PLATTEN UND AUFBAUTEN
FÜR DEN WERKZEUG- UND FORMENBAU

PLATES AND ASSEMBLIES
FOR TOOL- AND MOULD-MAKING

PLAQUES ET ASSEMBLAGES
POUR LA FABRICATION D'OUTILS ET DE MOULES



STRACK®
NORMALIEN

STRACK®
NORMALIEN



FORMPLATTEN
CAVITY PLATES
PLAQUES PORTE-EMPREINTE

Standard

1



FORMPLATTEN
CAVITY PLATES
PLAQUES PORTE-EMPREINTE

OXA

2



BACKEN- UND KASSETTENFORMEN
SPLIT AND CARTRIDGES MOULDS
MOULES A COINS ET MOULES A CASSETTES

OXA Standard

3



COMBI-SÄULENGESTELLE
COMBI-DIE SETS
COMBI-BLOCS A COLONNES

4

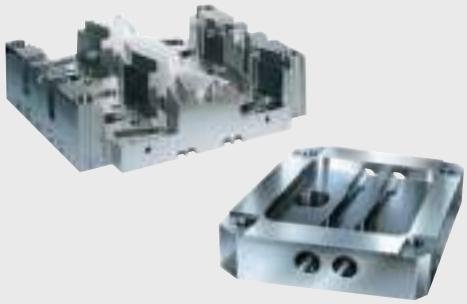
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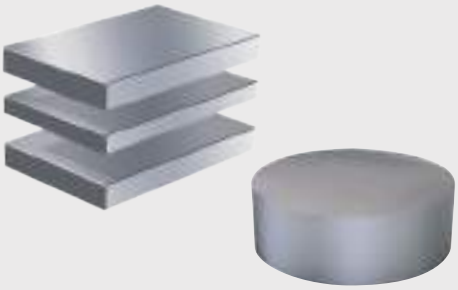
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PRÄZISIONSGESTELLE FÜR FOLGEVERBUNDWERKZEUGE
PRECISION DIE SETS FOR PROGRESSIVE DIES
BLOCS DE PRECISION POUR DES OUTILS PROGRESSIFS
6



SONDERGESTELLE UND ZUSATZBEARBEITUNGEN
SPECIAL DIE SETS AND ADDITIONAL MACHINING
BLOCS SPECIAUX ET USINAGES COMPLEMENTAIRES
7



E-, P-PLATTEN UND RUNDMATERIAL
E-, P-PLATES AND ROUND MATERIAL
PLAQUES E, P ET MATERIAU ROND
8



PRÄZISIONSFLACHSTAHL
PRECISION FLAT STEEL
ACIER PLAT DE PRECISION
9

INFORMATIONEN
INFORMATION
INFORMATIONS
i

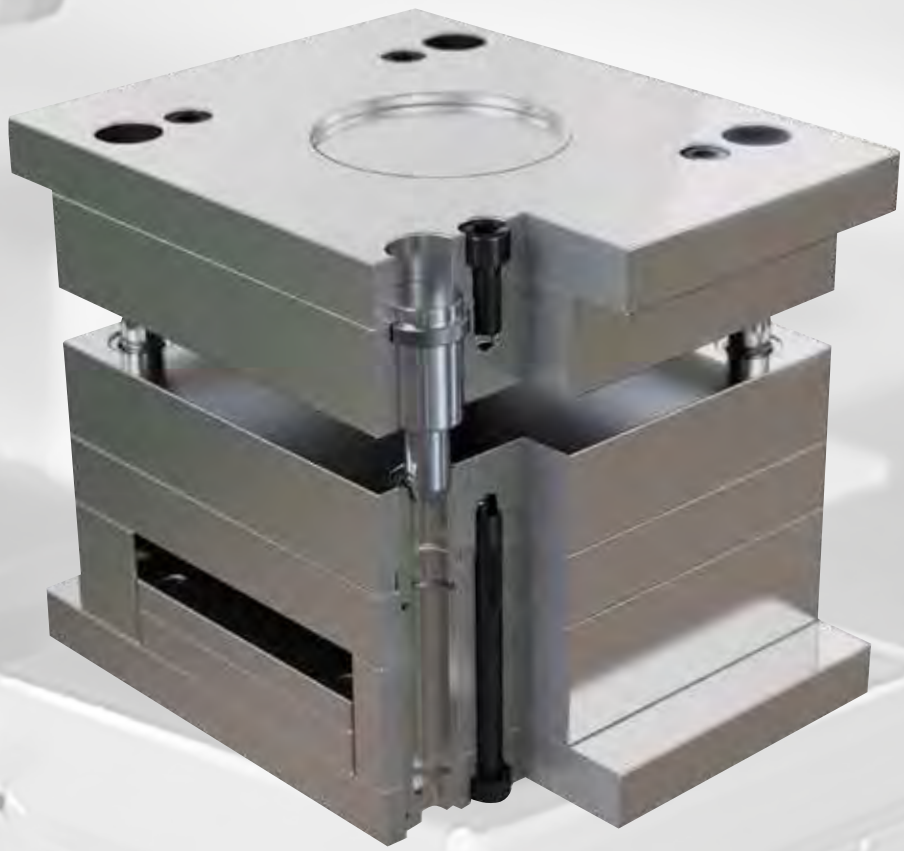
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FORMPLATTEN

CAVITY PLATES

PLAQUES PORTE-EMPREINTE

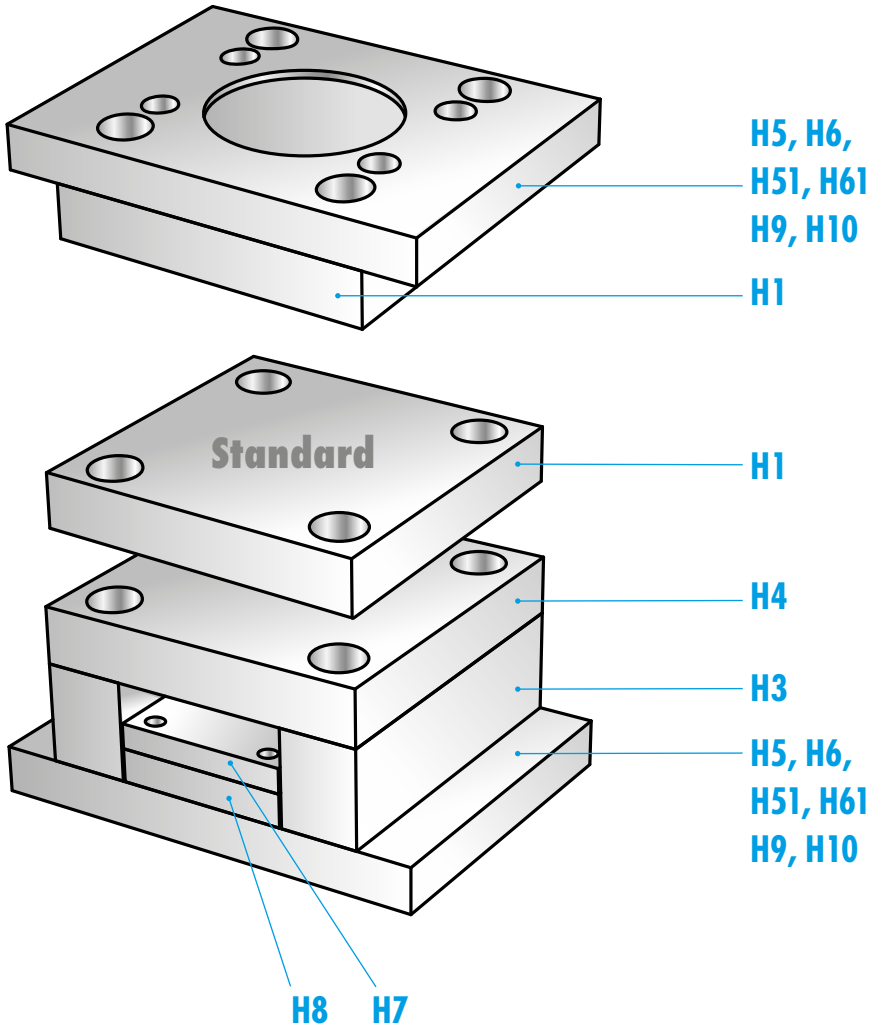
STANDARD



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NORMALIEN

Formplatten 1316 – 6080 | Cavity plates 1316 – 6080 | Plaques porte-empreinte 1316 – 6080



Empfohlene Stahlqualitäten | Recommended steel grades | Nuances d'acier recommandées

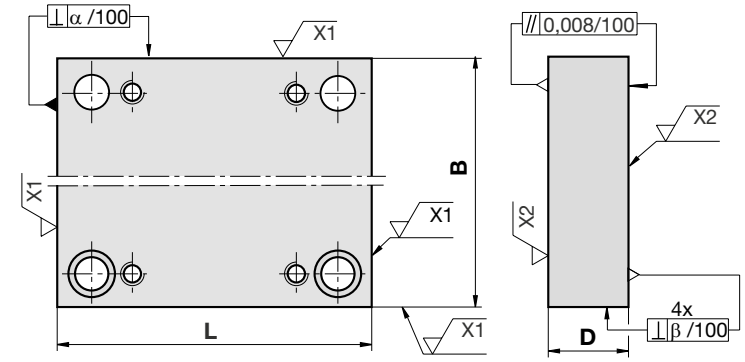
Position / Item / Position	Mat. Nr.	Symbol	Lieferfestigkeit /As-delievered strengt Etat de livraison
H1, H3, H4, H7, H8, H5, H6, H51, H61, H9, H10	1.1730	C 45 W	~650 N/mm²
H1	1.2083	X 42 Cr 13	760 N/mm²
H1, H3, H4, H7, H8, H5, H6, H51, H61, H9, H10	1.2085	X 33 Cr S 16	950 - 1100 N/mm²
H1	1.2162	21 Mn Cr 5	600 N/mm²
H1	1.2311	40 Cr Mn Mo 7	950 - 1100 N/mm²
H1, H3, H4, H7, H8, H5, H6, H51, H61, H9, H10	1.2312	40 Cr Mn Mo S 8-6	950 - 1100 N/mm²
H1	1.2343	X 38 Cr Mo V 5-1	780 N/mm²
H1	1.2767	X 45 Ni Cr Mo 4	850 N/mm²

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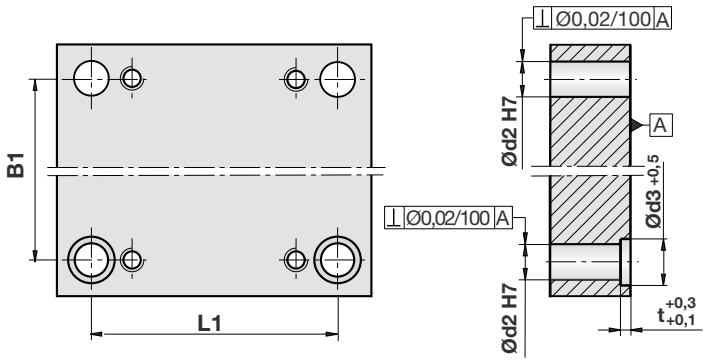
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Toleranzblatt | Tolerance sheet | Folio de tolerance

Standard

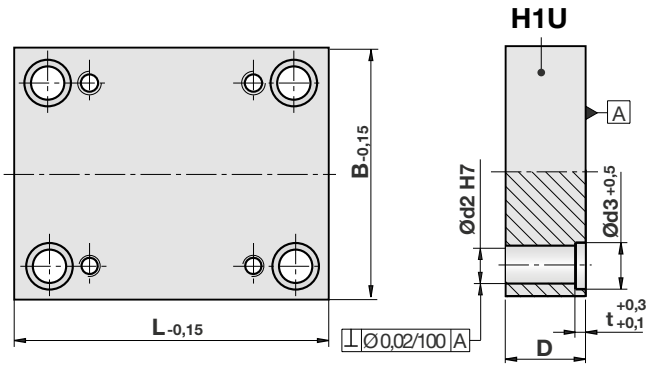


	B..., L...	H	H1...
B / L	97 - 596	-0,15	±0,012
	696 - 796	-0,15	-0,10
α/100	97 - 596	0,012	0,008
	696 - 796	0,012	0,12
β/100	97 - 596	0,05	0,02
	696 - 796	0,05	0,05
X 1	97 - 596	Rz 25	Rz 16
X 1	696 - 796	Rz 25	Rz 25
X 2	97 - 796	Rz 10	Rz 10
D	7 - 177	+0,05 /+0,25	



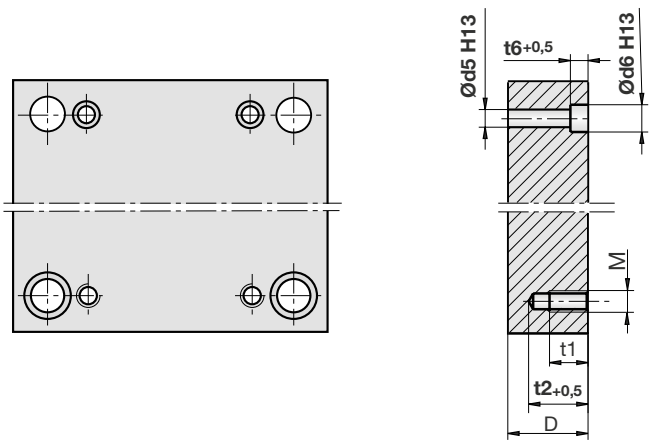
∅ d2	∅ d3	t
14	18	4,2
18	23	4,2
24	29	6,2
28	33	6,2
34	39	8,2
42	48	8,2
50	56	8,2

B1 / L1	
72 - 80	± 0,007
> 80 - 100	± 0,009
> 100 - 125	± 0,010
> 125 - 160	± 0,011
> 160 - 200	± 0,012
> 200 - 250	± 0,013
> 250 - 315	± 0,015
> 315 - 400	± 0,016
> 400 - 500	± 0,017
> 500 - 630	± 0,019
> 630 - 800	± 0,020



∅ d2	∅ d3	t
13,85	18	4,2
17,70	23	4,2
23,70	29	6,2
27,60	33	6,2
33,40	39	8,2
41,40	48	8,2
49,40	56	8,2

B / L	D	D*
≤ 296	+ 0,4 + 0,2	+ 0,25 + 0,10
> 296	+ 0,6 + 0,4	+ 0,25 + 0,10
D* =	1.2085	1.2311, 1.2312

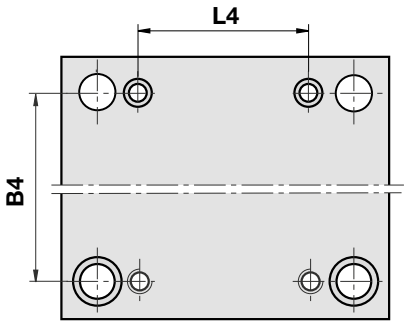


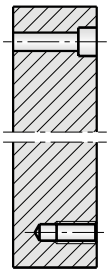
M	D	t1	t2	∅ d5	∅ d6	t6
M8	17 22 - 67	10 14	12 16	9,0	15	9
M10	17 22 27 - 97	10 13 17	12 16 20	11,0	18	11
M12	22 27 37 - 117	12 16 20	16 20 25	13,5	20	13
M16	37 - 157	23	28	17,5	26	17
M20	47 - 177	24	31	22,0	33	22

Toleranzblatt | Tolerance sheet | Folio de tolerance

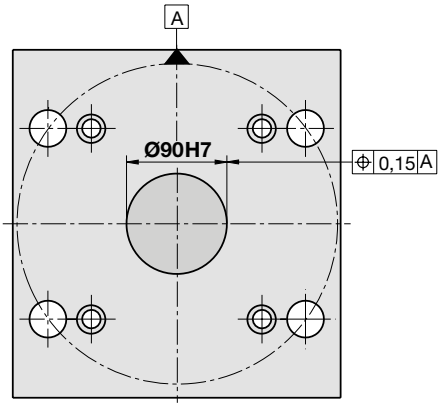
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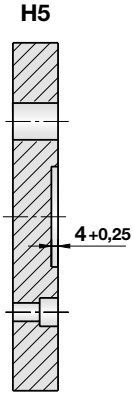
Standard

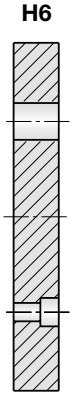


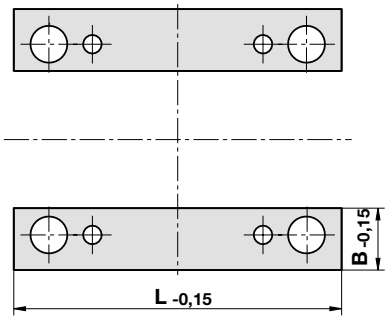


B4 / L4	
0 - 120	± 0,20
> 120 - 400	± 0,25
> 400 - 800	± 0,35

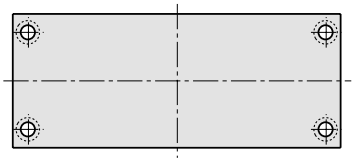


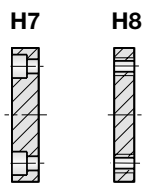












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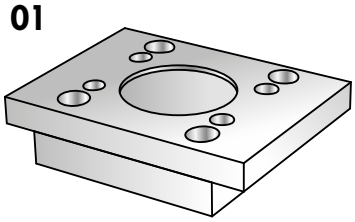
1

Plattenkombinationen | Plate combinations | Combinaison des plaques

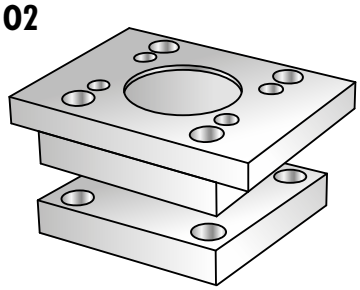
Düsenseite | Fixed half | Partie fixe

Standard

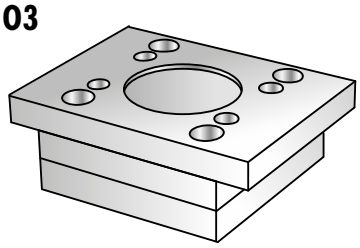
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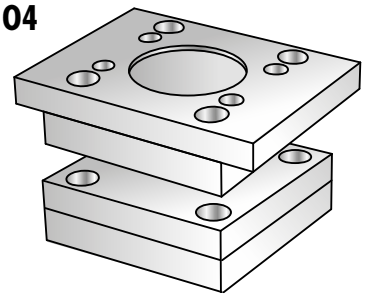
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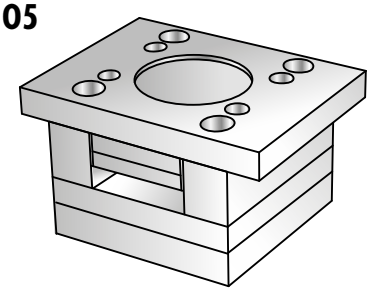
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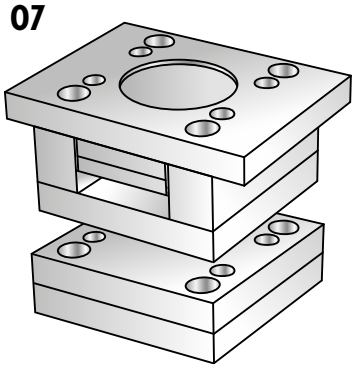
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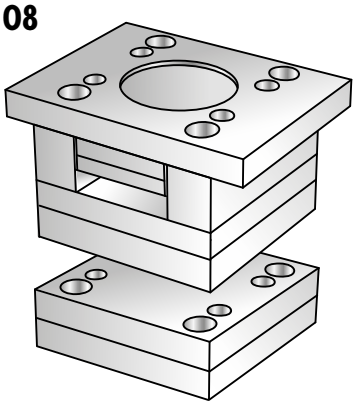
05



07



08



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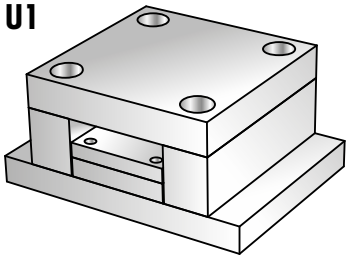
Plattenkombinationen | Plate combinations | Combinaison des plaques

1

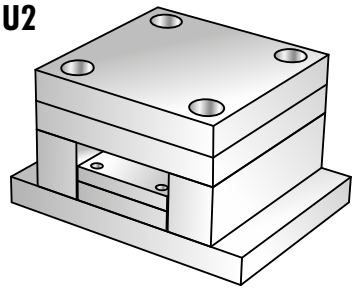
Auswerferseite | Moving half | Partie mobile

Standard

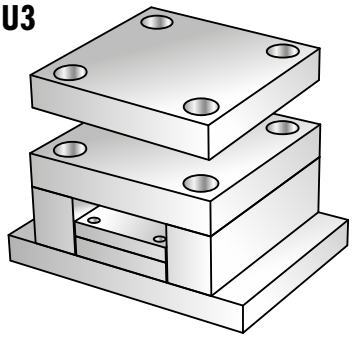
U1



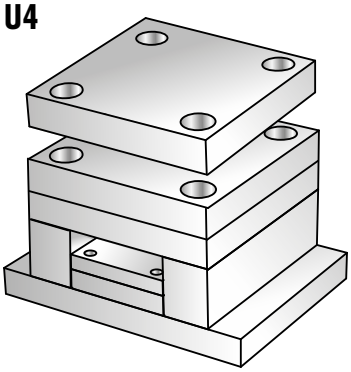
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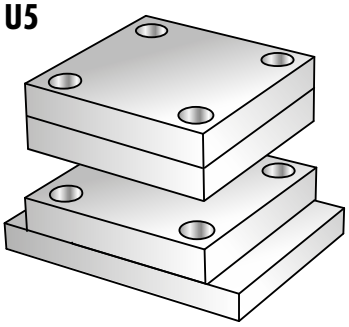
U3



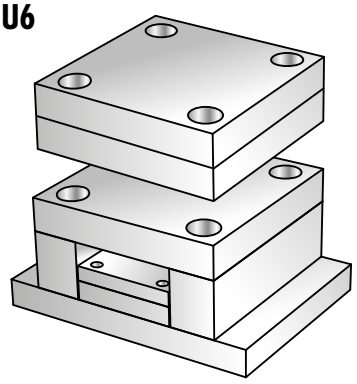
U4



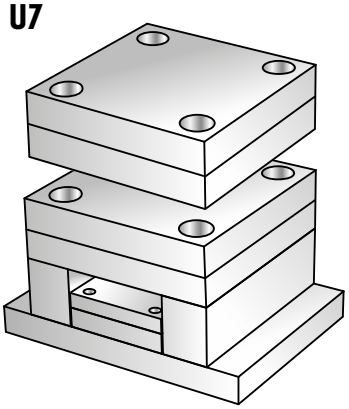
U5



U6



U7

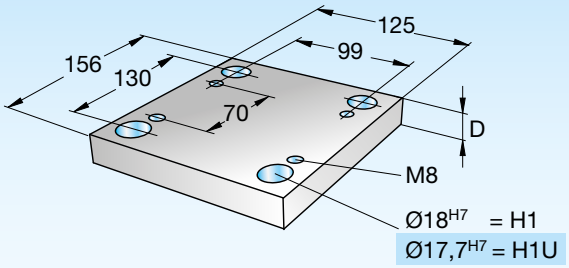


	U1	U2	U3	U4	U5	U6	U7
01	■	■	■	■	■	■	■
02	■	■					
03	■	■	■	■	■	■	■
04	■	■					
05	■	■	■	■	■	■	■
07	■	■					
08	■	■					

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1

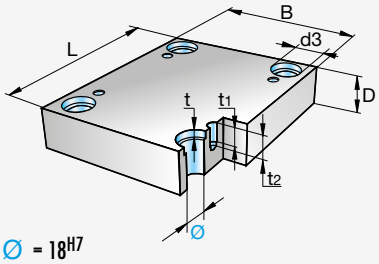
Formplatten 1316 | Cavity plates 1316 | Plaques porte-empreinte 1316



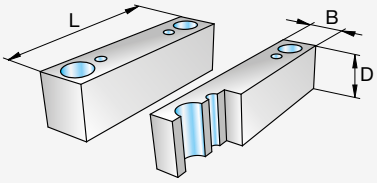
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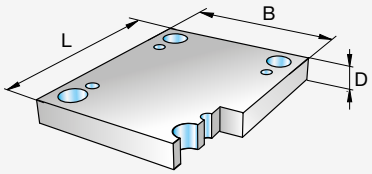
1316

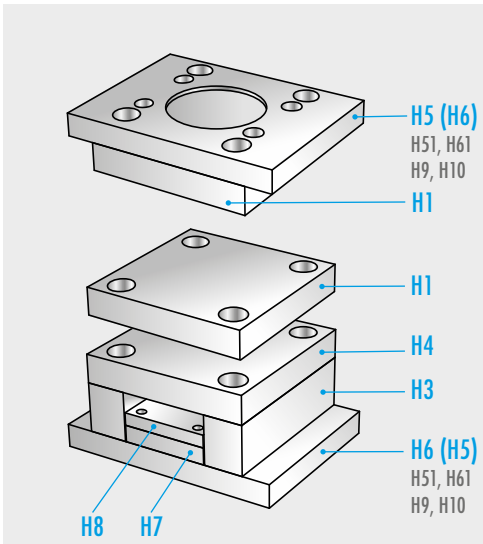
1316-Type-D-Mat.

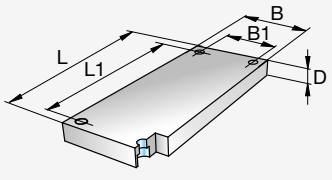
Type	B x L = 125 x 156	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		4,2	10	12	23	17	■			■	■	■		■
			14	16		22	■			■	■	■		■
			14	16		27	■			■	■	■	■	■
			14	16		37	■			■	■	■	■	■
			14	16		47	■			■	■	■	■	■
			14	16		57	■			■	■	■	■	■
			14	16		67	■			■	■	■	■	■

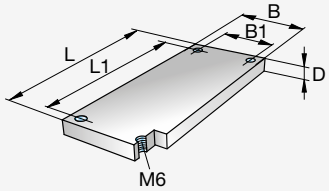
H1 Ø = 18H7
H1U Ø = 17,7H7

Type	B x L = 24 x 156	D	Mat. 1730	2085	2312
H3		37	■		
		47	■		
		57	■		
		67	■		

Type	B x L = 125 x 156	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		

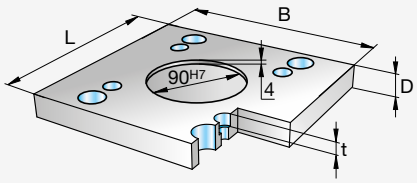
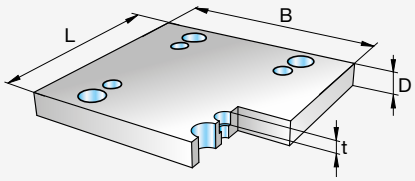


Type	B x L = 75 x 156 / B1 x L1 = 55 x 138	D	Mat. 1730	2085	2312
H7		12	■		
		17	■		■

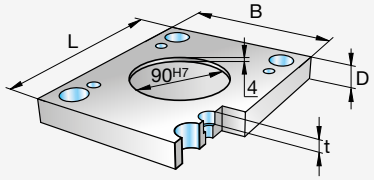
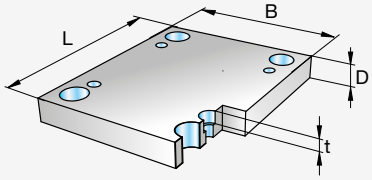
Type	B x L = 75 x 156 / B1 x L1 = 55 x 138	D	Mat. 1730	2085	2312
H8		8	■		

D 3001 09.2017

Formplatten 1316 | Cavity plates 1316 | Plaques porte-empreinte 1316

Type	B x L = 156 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		9	22	■		■
			27	■		■
H6		9	22	■		■
			27	■		■

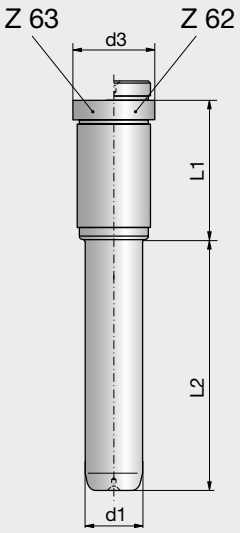
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 125 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		9	22	■		■
			27	■		■
H10		9	17	■		
			22	■		■

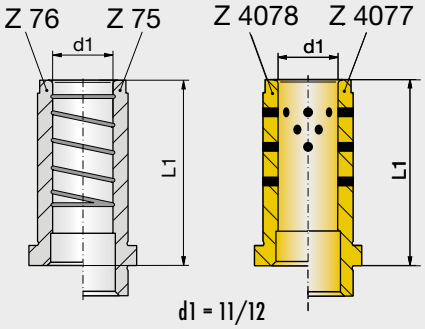
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

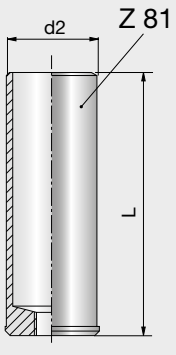
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 11/12



d1 = 11/12

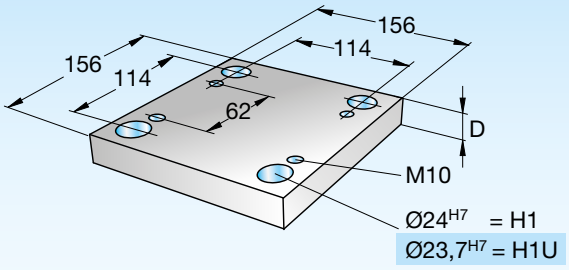


d2 = 18

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1

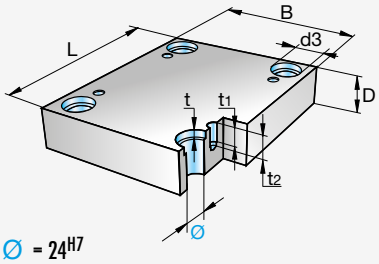
Formplatten 1616 | Cavity plates 1616 | Plaques porte-empreinte 1616

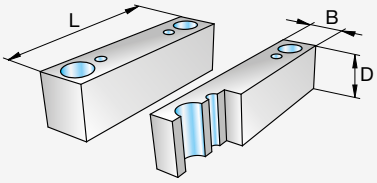


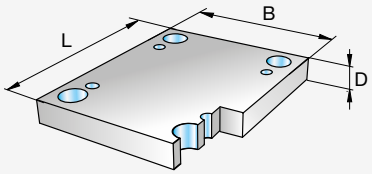
Standard

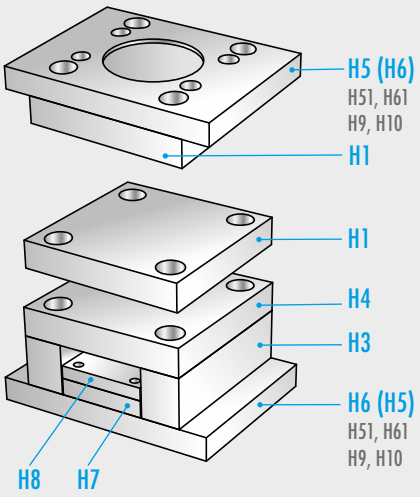
1616

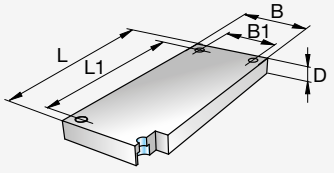
1616-Type-D-Mat.

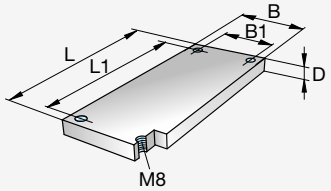
Type	B x L = 156 x 156	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■

Type	B x L = 37 x 156	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 156 x 156	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		



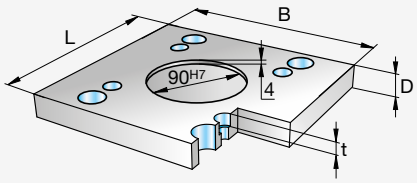
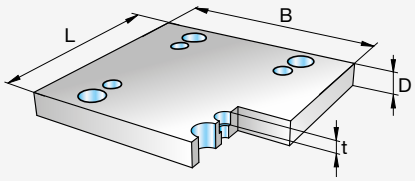
Type	B x L = 80 x 156 / B1 x L1 = 58 x 138	D	Mat. 1730	2085	2312
H7		12	■		
		16	■		

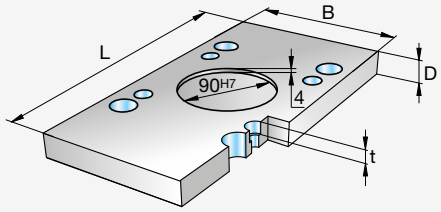
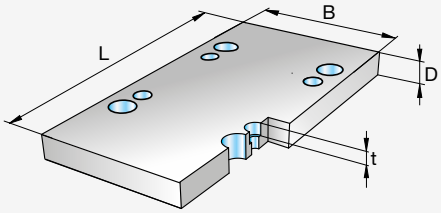
Type	B x L = 80 x 156 / B1 x L1 = 58 x 138	D	Mat. 1730	2085	2312
H8		12	■		

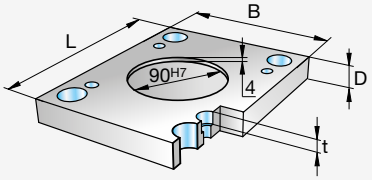
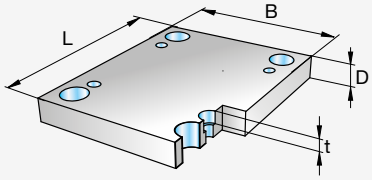
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Formplatten 1616 | Cavity plates 1616 | Plaques porte-empreinte 1616

Type	B x L = 208 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

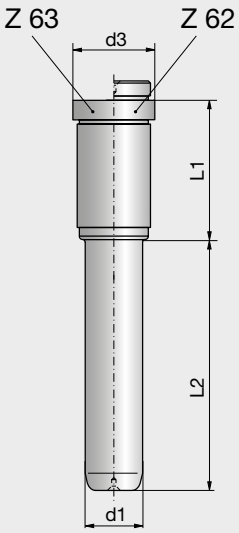
Type	B x L = 156 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 156 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

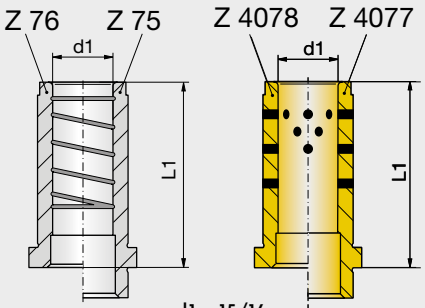
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

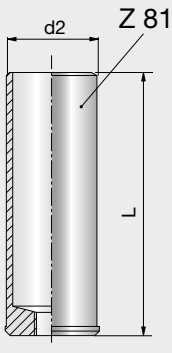
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



d1 = 15/16

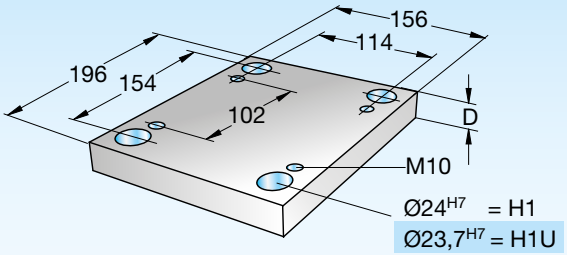


d2 = 24

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1

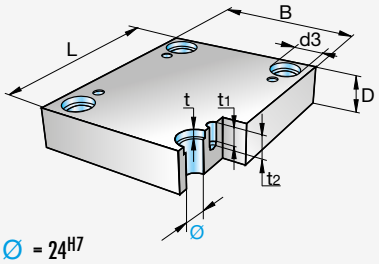
Formplatten 1620 | Cavity plates 1620 | Plaques porte-empreinte 1620

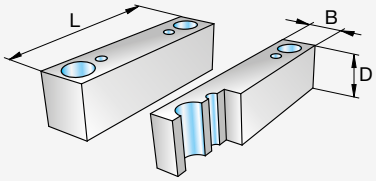


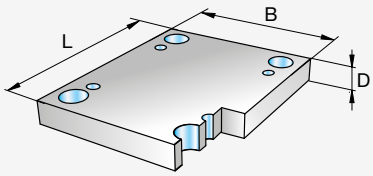
Standard

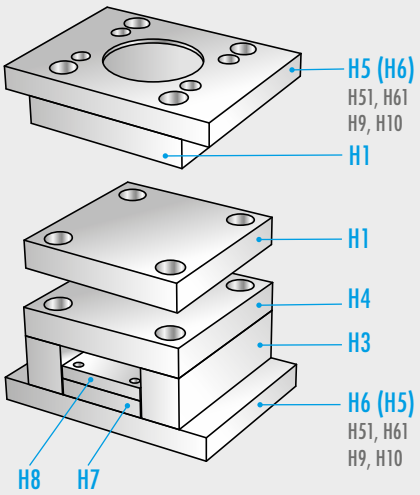
1620

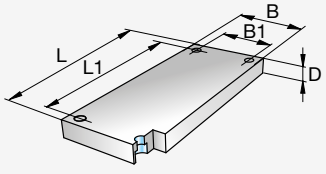
1620-Type-D-Mat.

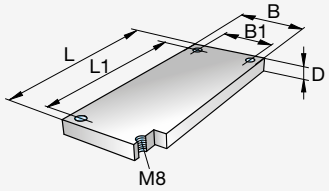
Type	B x L = 156 x 196	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■

Type	B x L = 37 x 196	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 156 x 196	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		



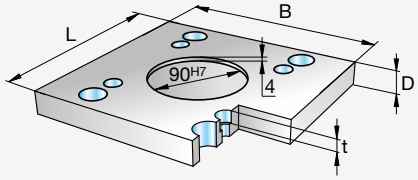
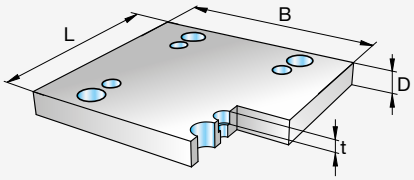
Type	B x L = 80 x 196 / B1 x L1 = 58 x 178	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

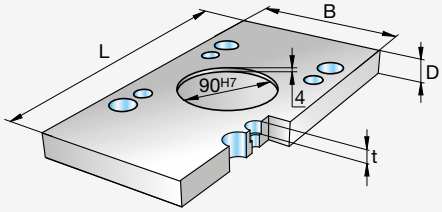
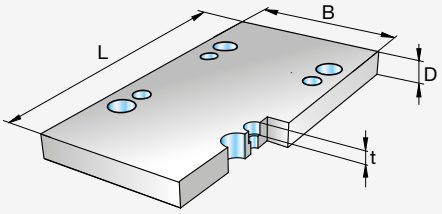
Type	B x L = 80 x 196 / B1 x L1 = 58 x 178	D	Mat. 1730	2085	2312
H8		12	■		

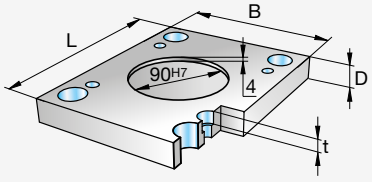
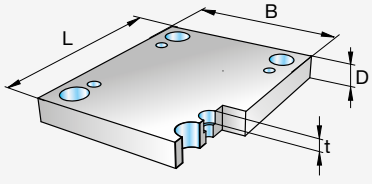
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Formplatten 1620 | Cavity plates 1620 | Plaques porte-empreinte 1620

Type	B x L = 208 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

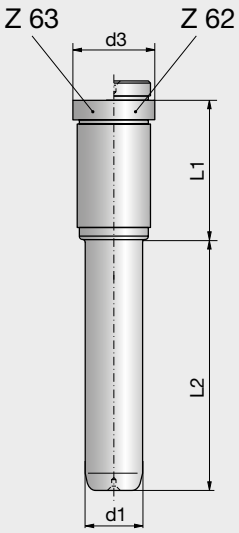
Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 156 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

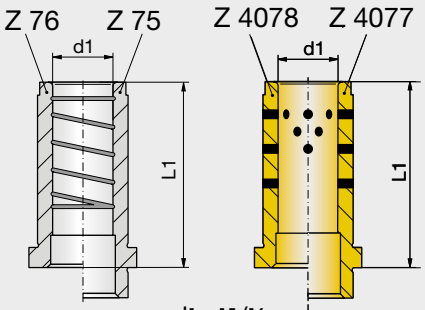
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

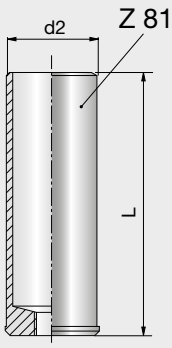
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



d1 = 15/16

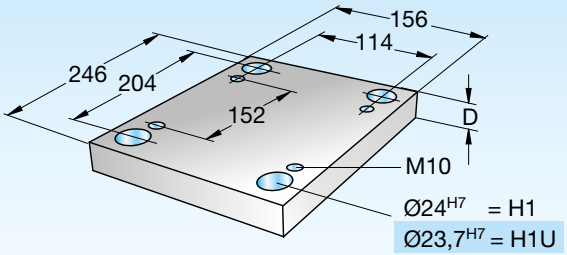


d2 = 24

D 3001 09.2017

1

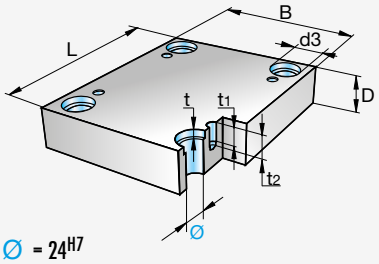
Formplatten 1625 | Cavity plates 1625 | Plaques porte-empreinte 1625

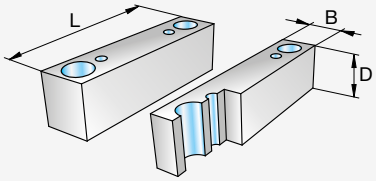


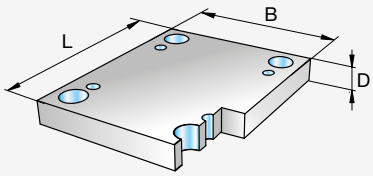
Standard

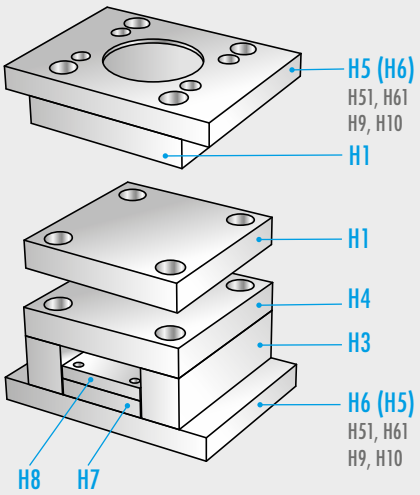
1625

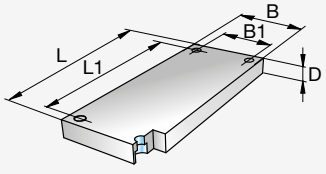
1625-Type-D-Mat.

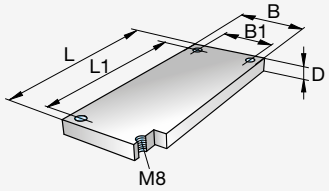
Type	B x L = 156 x 246	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 246	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

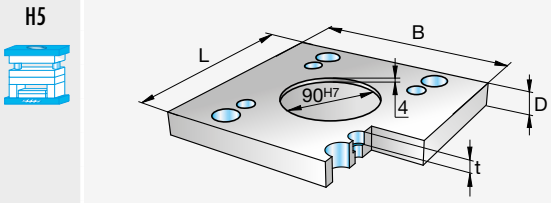
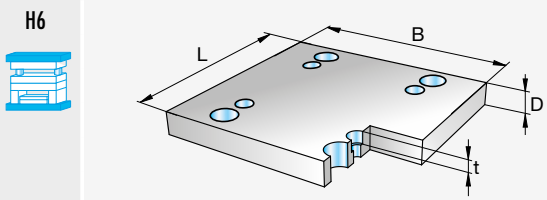
Type	B x L = 156 x 246	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

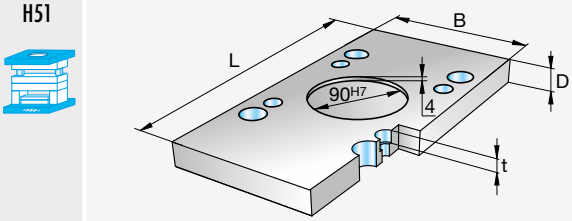
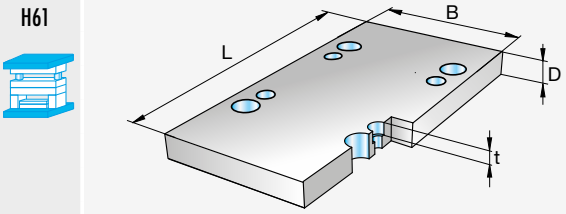


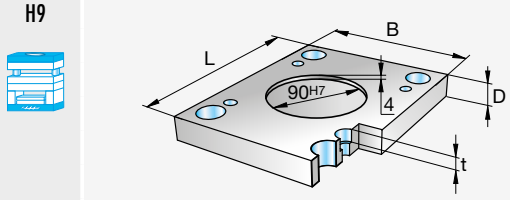
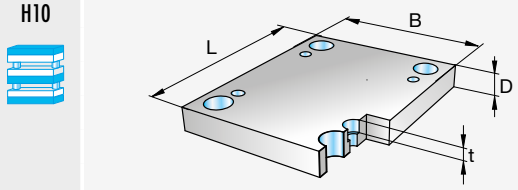
Type	B x L = 80 x 246 / B1 x L1 = 58 x 228	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

Type	B x L = 80 x 246 / B1 x L1 = 58 x 228	D	Mat. 1730	2085	2312
H8		12	■		

Formplatten 1625 | Cavity plates 1625 | Plaques porte-empreinte 1625

Type	B x L = 208 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

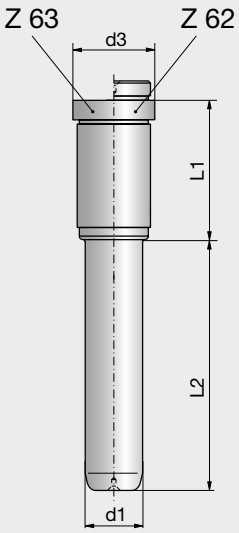
Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 156 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

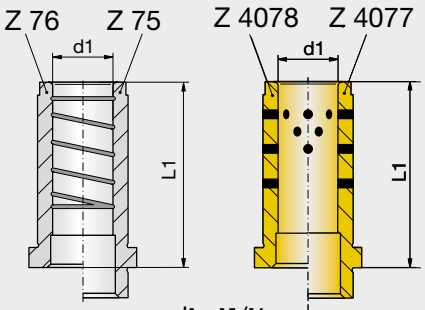
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

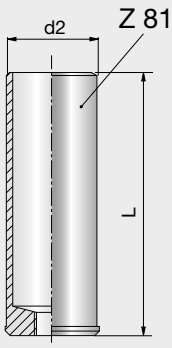
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



d1 = 15/16

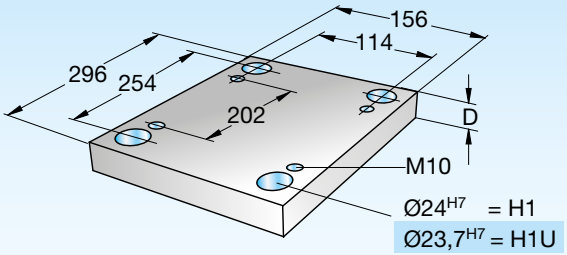


d2 = 24

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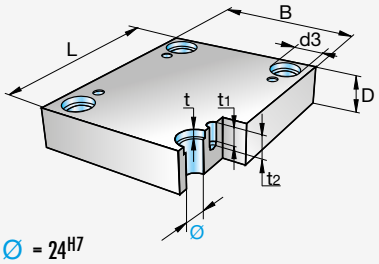
Formplatten 1630 | Cavity plates 1630 | Plaques porte-empreinte 1630

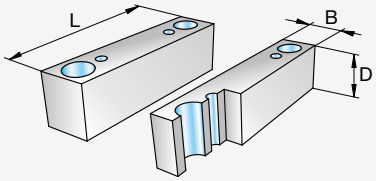


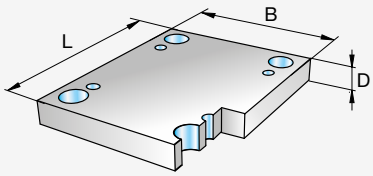
Standard

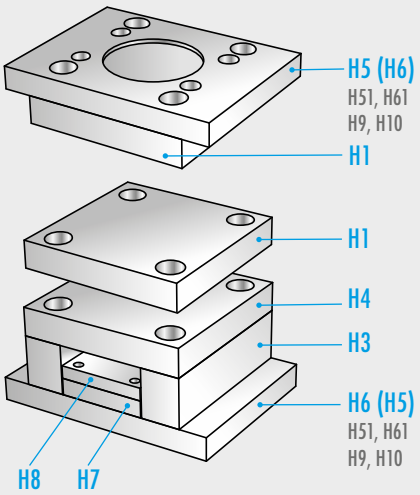
1630

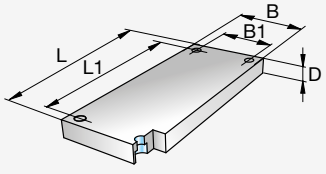
1630-Type-D-Mat.

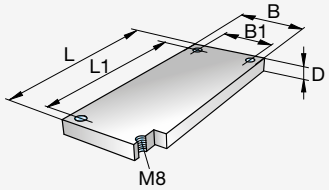
Type	B x L = 156 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 296	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 156 x 296	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

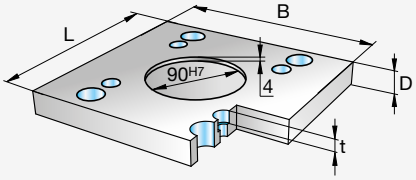
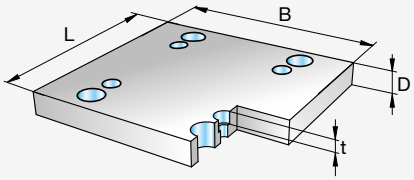


Type	B x L = 80 x 296 / B1 x L1 = 58 x 278	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

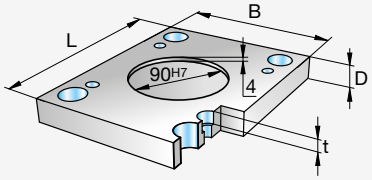
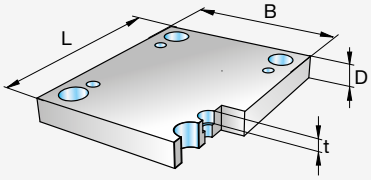
Type	B x L = 80 x 296 / B1 x L1 = 58 x 278	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 1630 | Cavity plates 1630 | Plaques porte-empreinte 1630

Type	B x L = 208 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

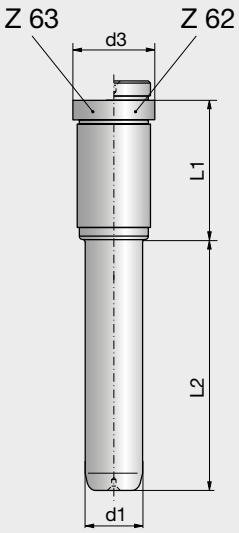
Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

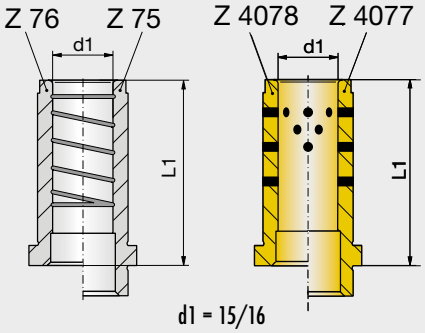
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

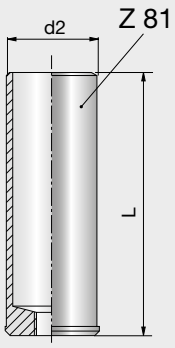
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



d1 = 15/16

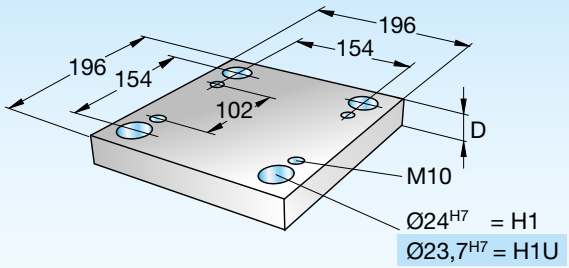


d2 = 24

D 3001 09.2017

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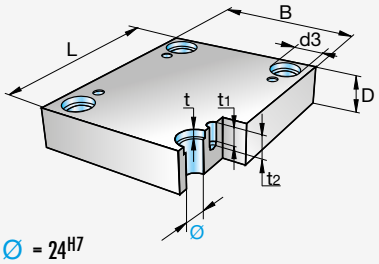
Formplatten 2020 | Cavity plates 2020 | Plaques porte-empreinte 2020

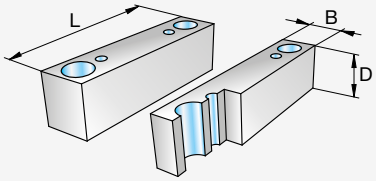


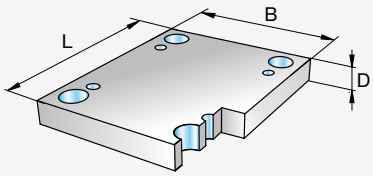
Standard

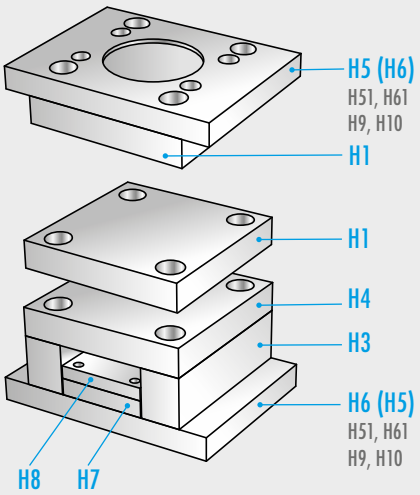
2020

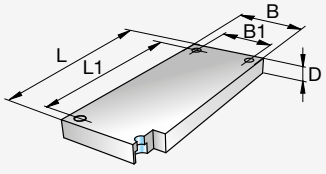
2020-Type-D-Mat.

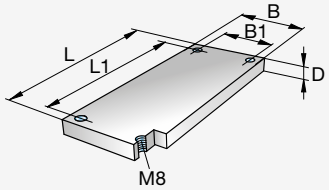
Type	B x L = 196 x 196	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 196	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 196	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

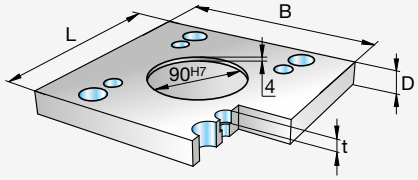
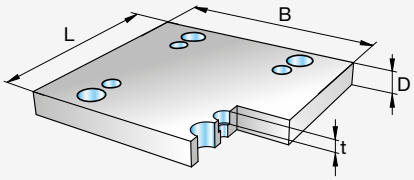


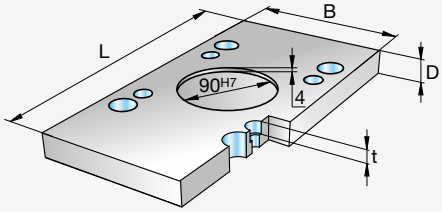
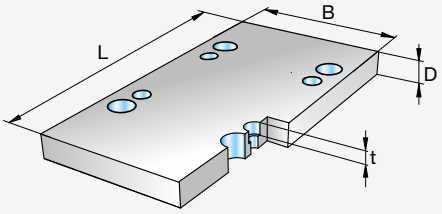
Type	B x L = 120 x 196 / B1 x L1 = 98 x 178	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

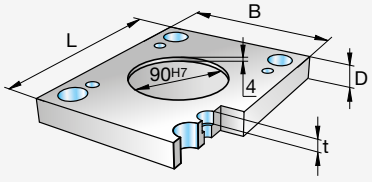
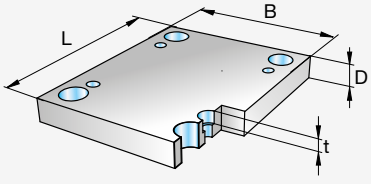
Type	B x L = 120 x 196 / B1 x L1 = 98 x 178	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2020 | Cavity plates 2020 | Plaques porte-empreinte 2020

Type	B x L = 246 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

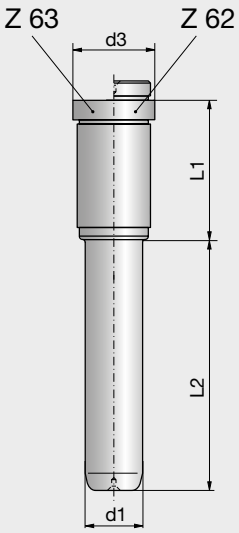
Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 196 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

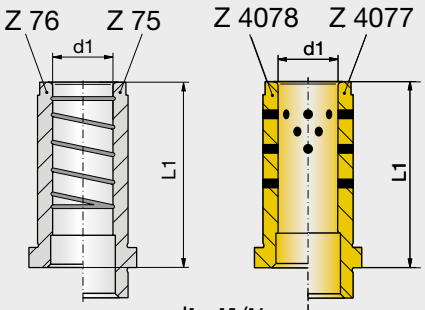
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

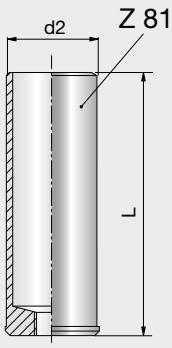
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



d1 = 15/16

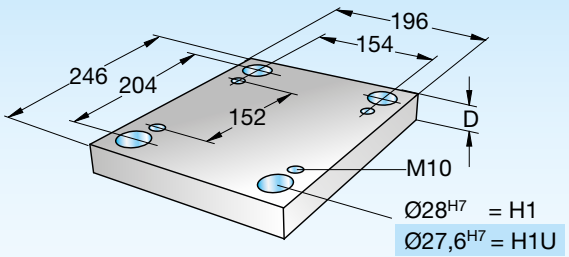


d2 = 24

D 3001 09.2017

1

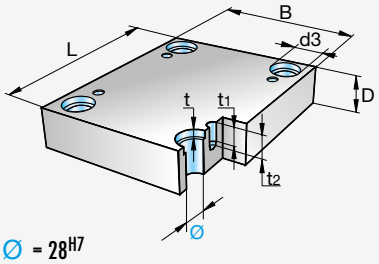
Formplatten 2025 | Cavity plates 2025 | Plaques porte-empreinte 2025

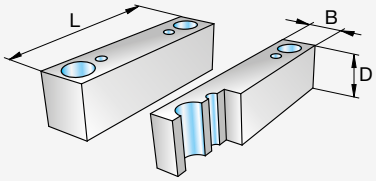


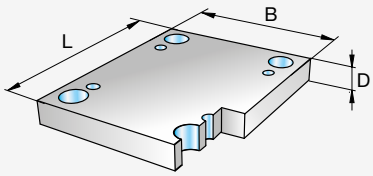
Standard

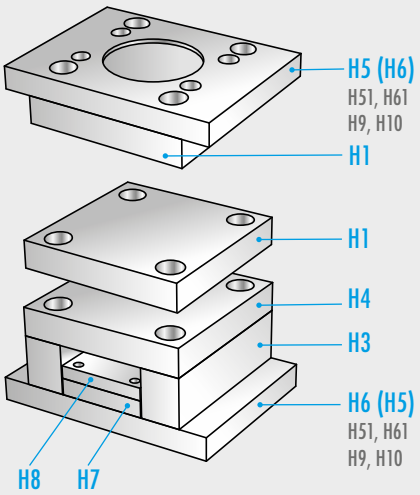
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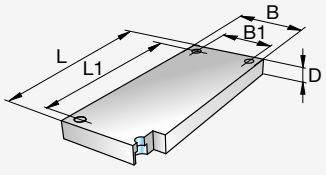
2025-Type-D-Mat.

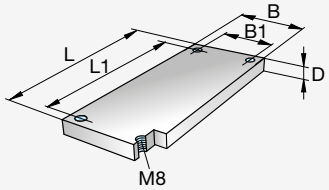
Type	B x L = 196 x 246	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	10	12	33	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 246	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 246	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

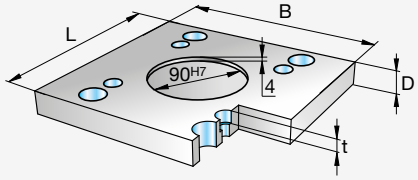
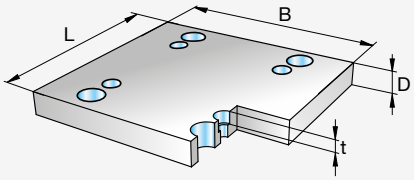


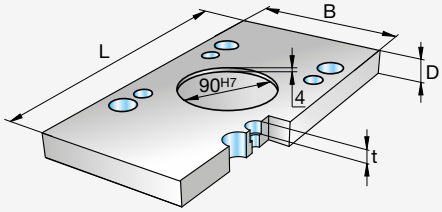
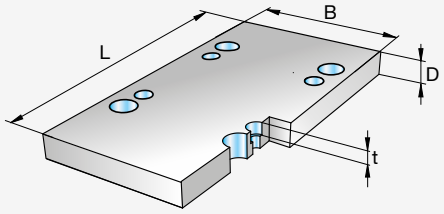
Type	B x L = 120 x 246 / B1 x L1 = 98 x 228	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

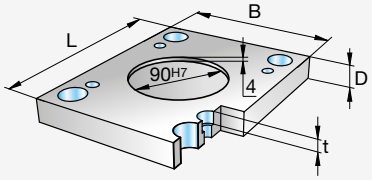
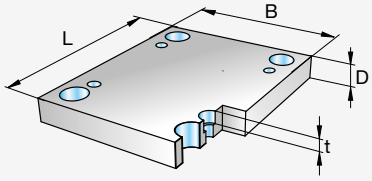
Type	B x L = 120 x 246 / B1 x L1 = 98 x 228	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2025 | Cavity plates 2025 | Plaques porte-empreinte 2025

Type	B x L = 246 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

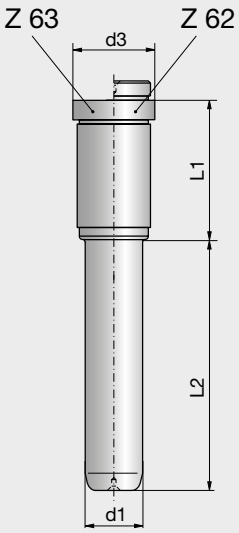
Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 196 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

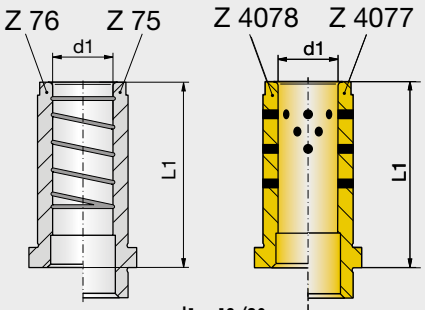
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

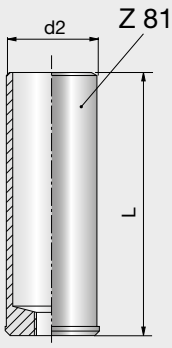
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

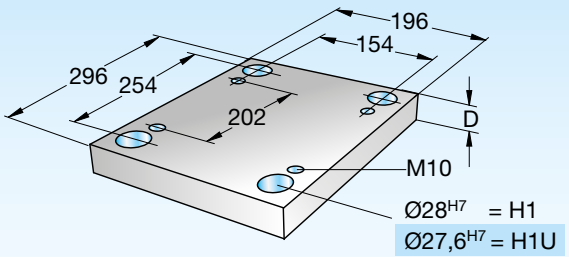


d2 = 28

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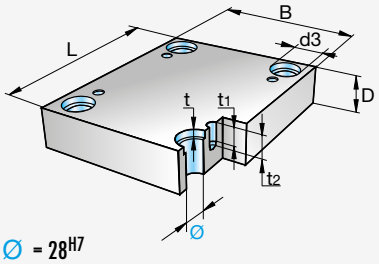
Formplatten 2030 | Cavity plates 2030 | Plaques porte-empreinte 2030

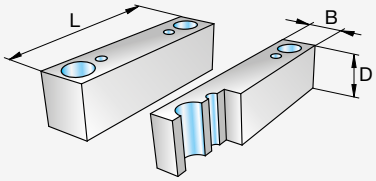


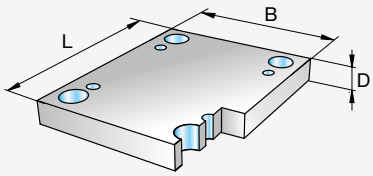
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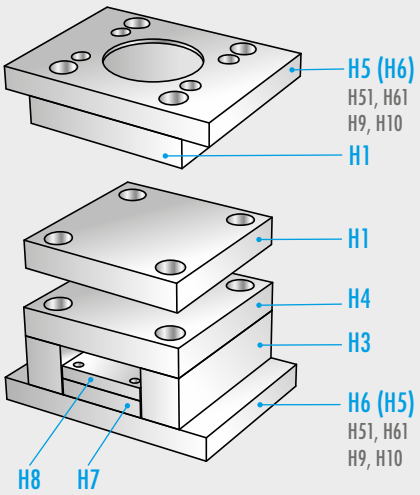
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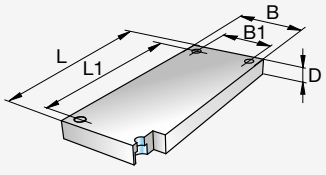
2030-Type-D-Mat.

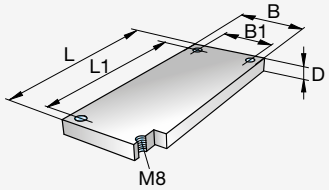
Type	B x L = 196 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	10	12	33	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 296	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 296	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

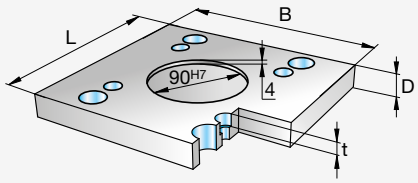
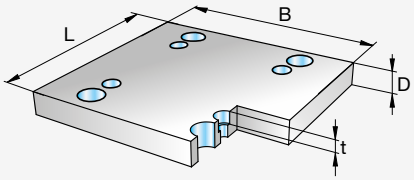


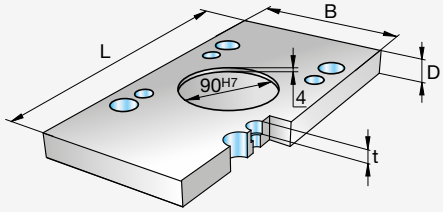
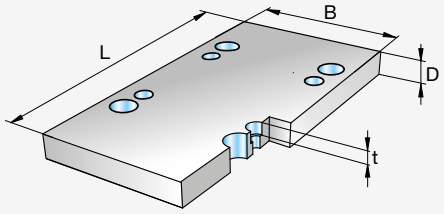
Type	B x L = 120 x 296 / B1 x L1 = 98 x 278	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

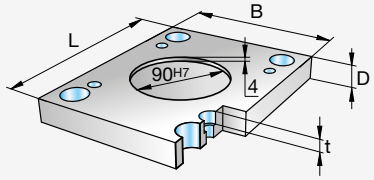
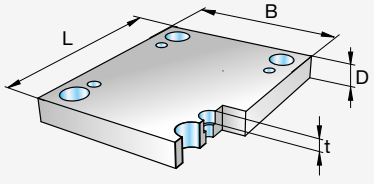
Type	B x L = 120 x 296 / B1 x L1 = 98 x 278	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2030 | Cavity plates 2030 | Plaques porte-empreinte 2030

Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

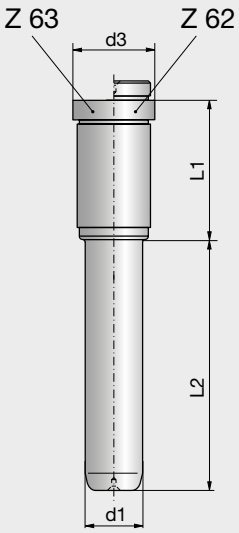
Type	B x L = 196 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

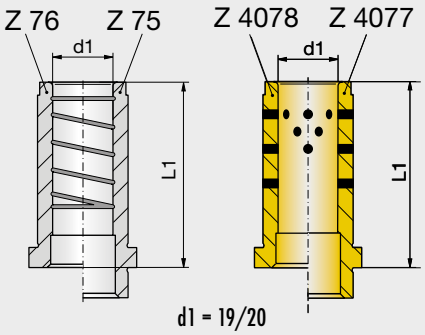
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

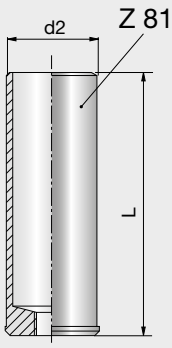
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

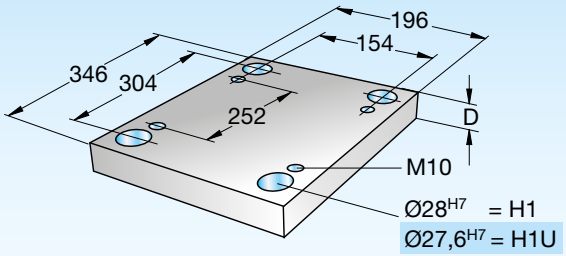


d2 = 28

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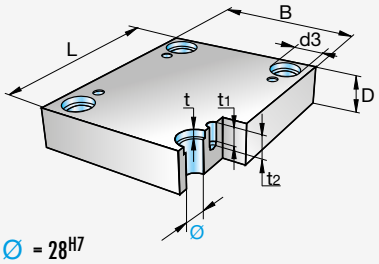
Formplatten 2035 | Cavity plates 2035 | Plaques porte-empreinte 2035

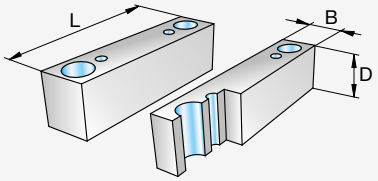


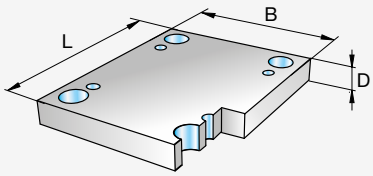
Standard

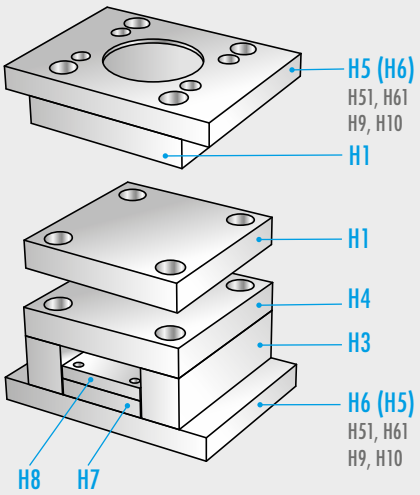
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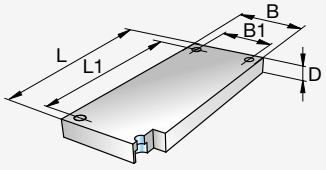
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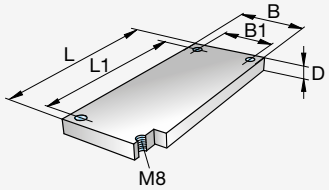
Type	B x L = 196 x 346	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	13	16	33	22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 346	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 346	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

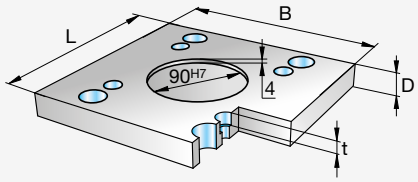
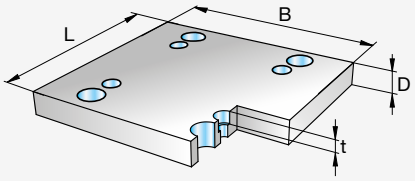


Type	B x L = 120 x 346 / B1 x L1 = 98 x 328	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

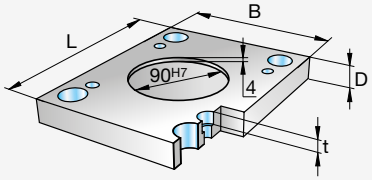
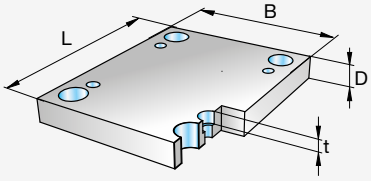
Type	B x L = 120 x 346 / B1 x L1 = 98 x 328	D	Mat. 1730	2085	2312
H8		12	■		

D 3001 09.2017

Formplatten 2035 | Cavity plates 2035 | Plaques porte-empreinte 2035

Type	B x L = 246 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	27	■		■
			37	■		■
H6		11	27	■		■
			37	■		■

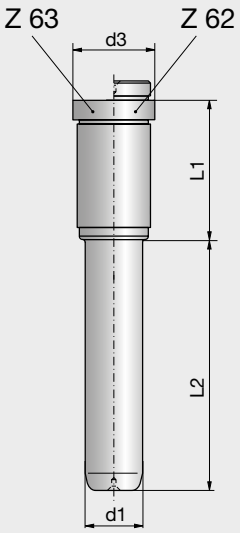
Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 196 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	27	■		■
			27	■		■
H10		11	22	■		■
			27	■		■
			37	■		■

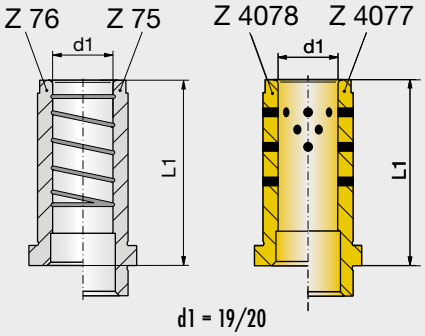
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

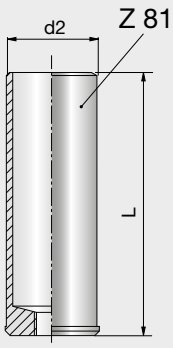
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

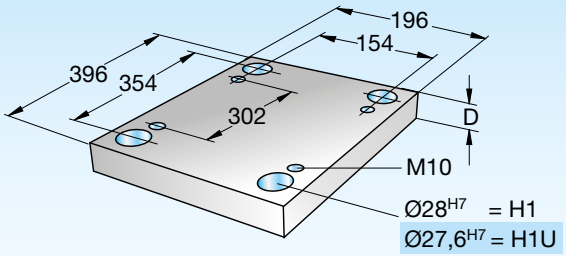


d2 = 28

D 3001 09.2017

1

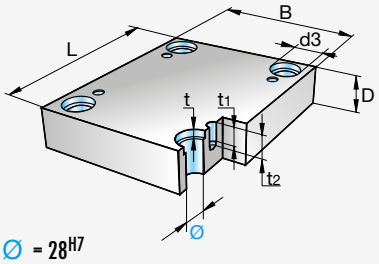
Formplatten 2040 | Cavity plates 2040 | Plaques porte-empreinte 2040

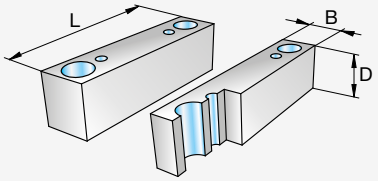


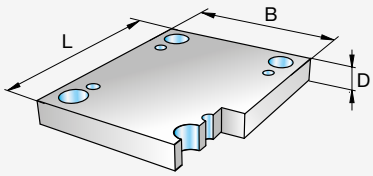
Standard

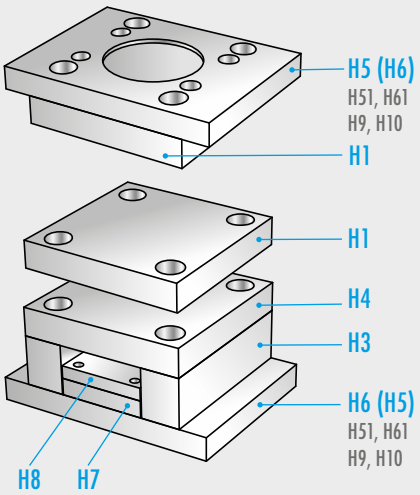
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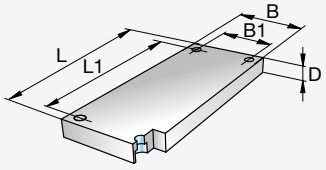
2040-Type-D-Mat.

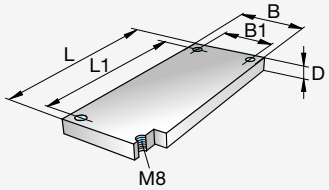
Type	B x L = 196 x 396	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	13	16	33	22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 396	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 396	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

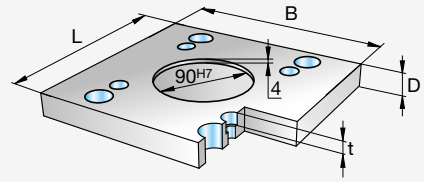
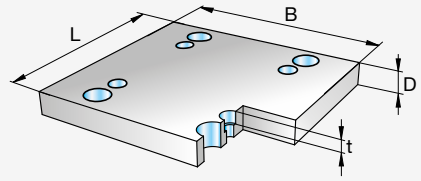


Type	B x L = 120 x 396 / B1 x L1 = 98 x 378	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

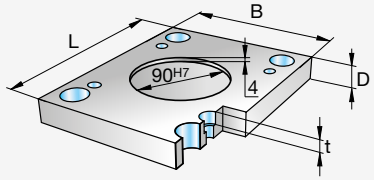
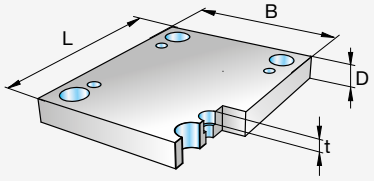
Type	B x L = 120 x 396 / B1 x L1 = 98 x 378	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2040 | Cavity plates 2040 | Plaques porte-empreinte 2040

Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	27	■		■
			37	■		■
H6		11	27	■		
			37	■		■
						■

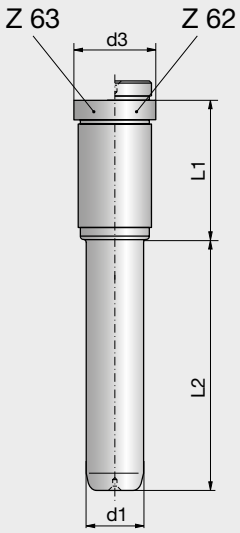
Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 196 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	27	■		■
			37	■		■
H10		11	22	■		
			27	■		■
			37	■		■

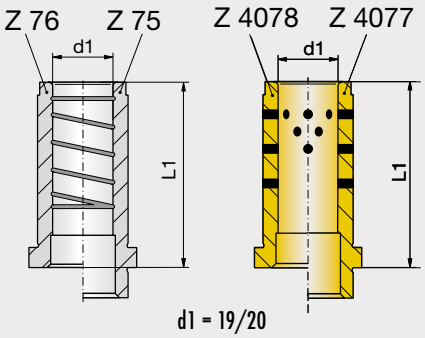
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

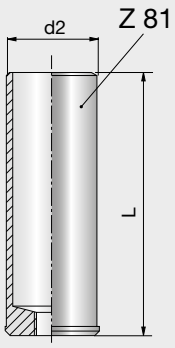
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

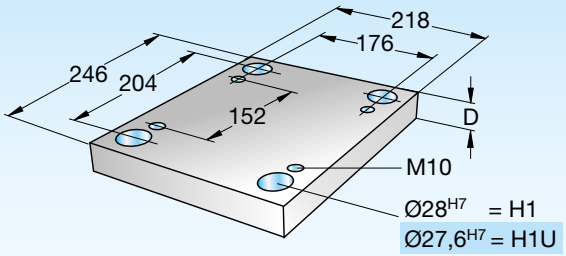


d2 = 28

D 3001 09.2017

1

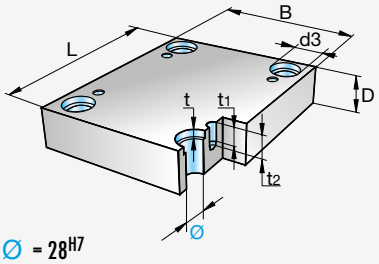
Formplatten 2225 | Cavity plates 2225 | Plaques porte-empreinte 2225

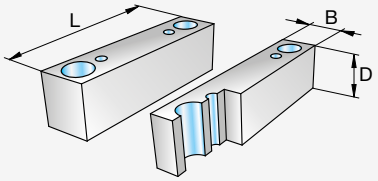


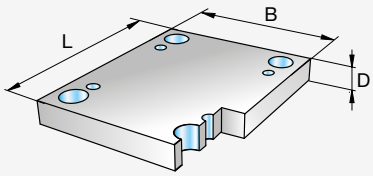
Standard

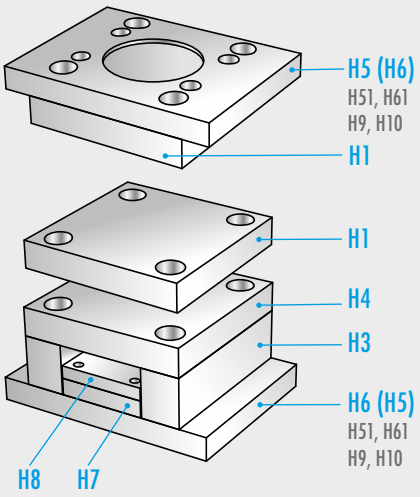
2225

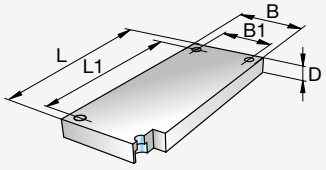
2225-Type-D-Mat.

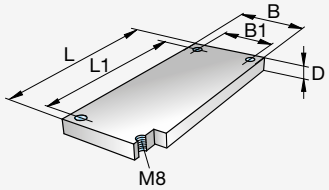
Type	B x L = 218 x 246	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	10	12	33	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 246	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 218 x 246	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

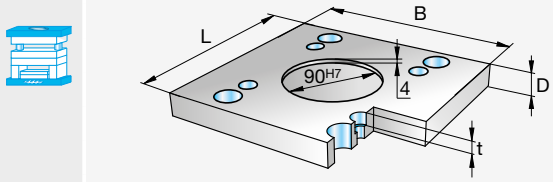
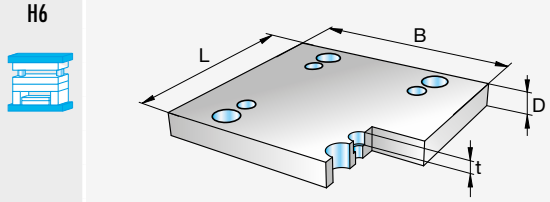


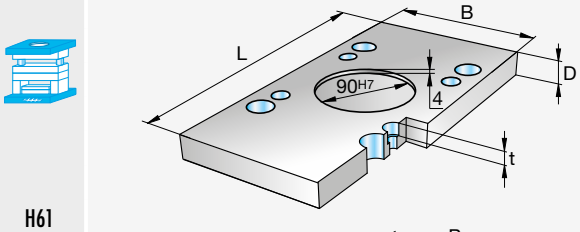
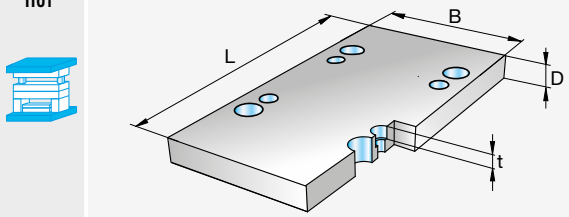
Type	B x L = 142 x 246 / B1 x L1 = 124 x 228	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

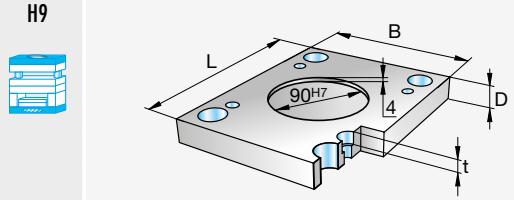
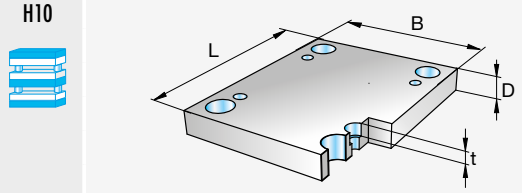
Type	B x L = 142 x 246 / B1 x L1 = 124 x 228	D	Mat. 1730	2085	2312
H8		12	■		

D 3001 09.2017

Formplatten 2225 | Cavity plates 2225 | Plaques porte-empreinte 2225

Type	B x L = 260 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

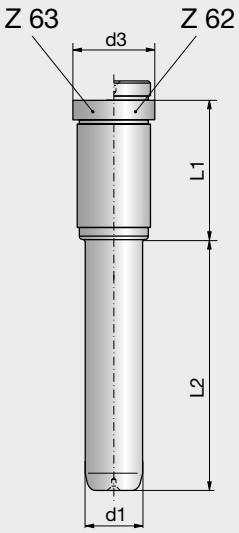
Type	B x L = 218 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 218 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

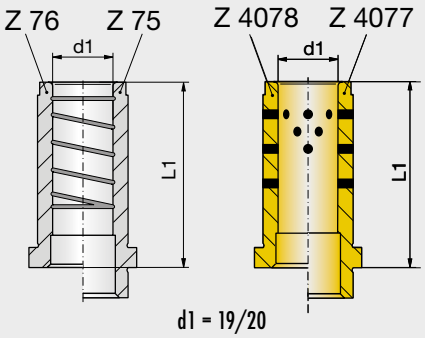
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

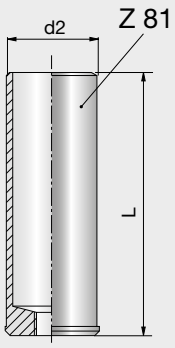
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

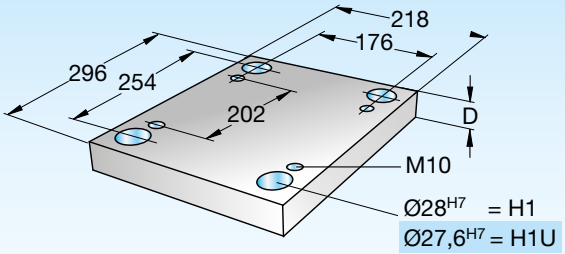


d2 = 28

D 3001 09.2017

1

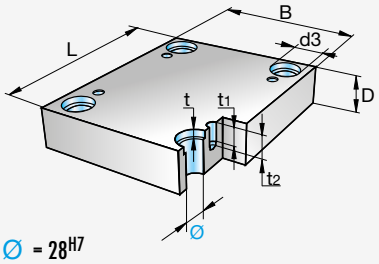
Formplatten 2230 | Cavity plates 2230 | Plaques porte-empreinte 2230

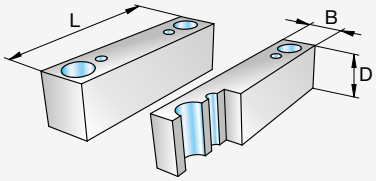


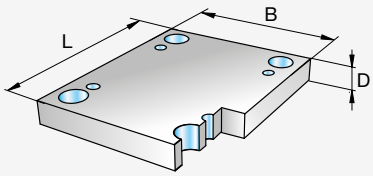
Standard

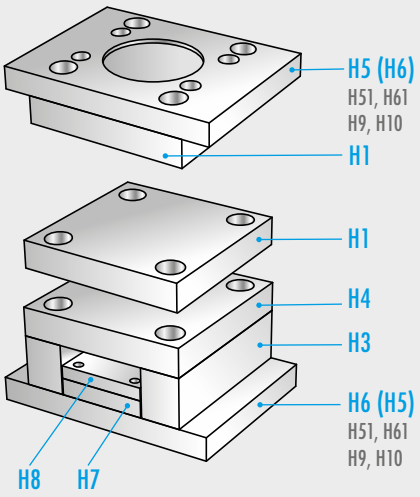
2230

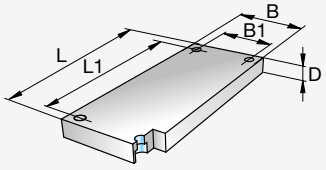
2230-Type-D-Mat.

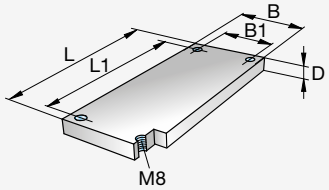
Type	B x L = 218 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 28H7 H1U Ø = 27,6H7	6,2	10	12	33	17	■			■	■	■		■
			13	16		22	■			■	■	■	■	■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 296	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 218 x 296	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

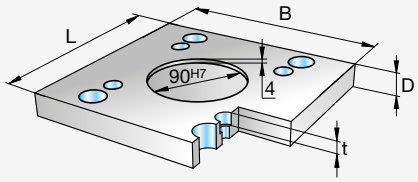
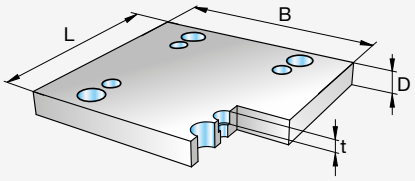


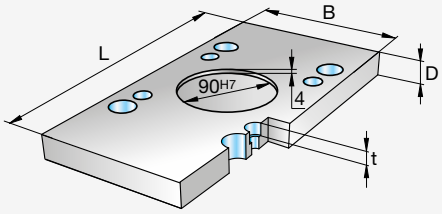
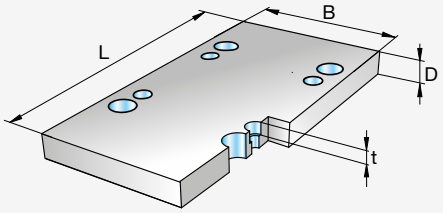
Type	B x L = 142 x 296 / B1 x L1 = 124 x 278	D	Mat. 1730	2085	2312
H7		16	■		
		27	■		■

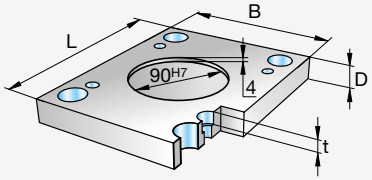
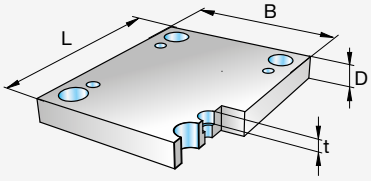
Type	B x L = 142 x 296 / B1 x L1 = 124 x 278	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2230 | Cavity plates 2230 | Plaques porte-empreinte 2230

Type	B x L = 260 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

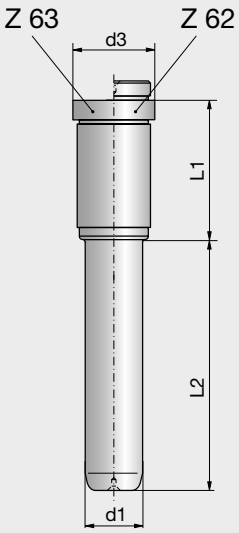
Type	B x L = 218 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 218 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

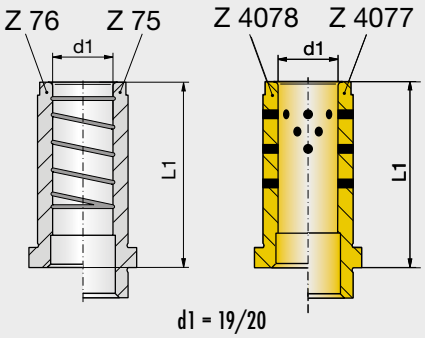
Zubehör für Standard-Formplatten
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Accessories for standard cavity plates
see book 2 / chapter 1

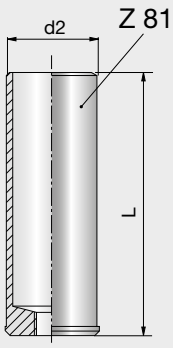
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 19/20



d1 = 19/20

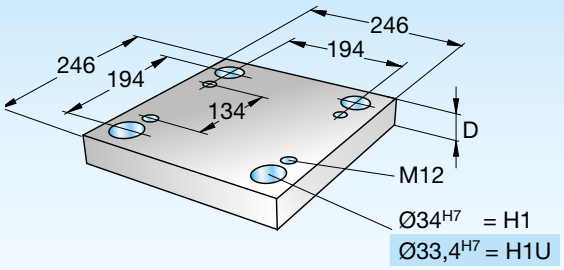


d2 = 28

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1

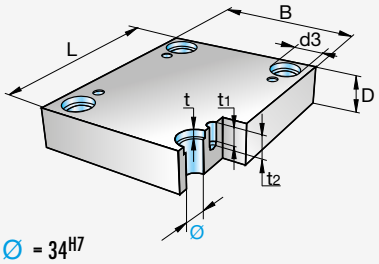
Formplatten 2525 | Cavity plates 2525 | Plaques porte-empreinte 2525

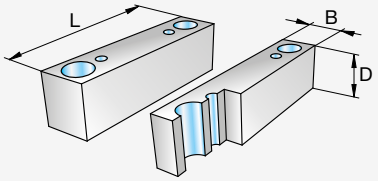


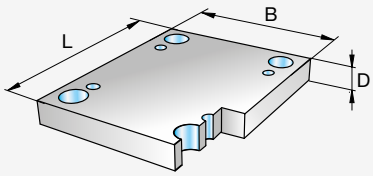
Standard

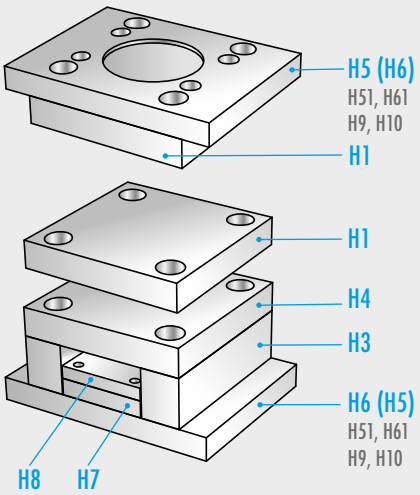
2525

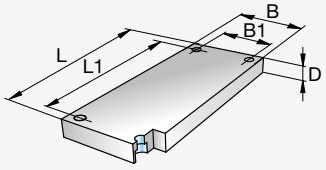
2525-Type-D-Mat.

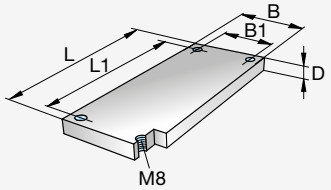
Type	B x L = 246 x 246	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	12	16	39	22	■			■	■	■		■
			16	20		27	■			■	■	■	■	■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■

Type	B x L = 47 x 246	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 246	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

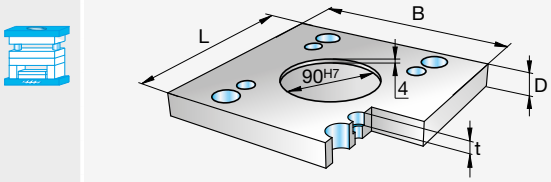
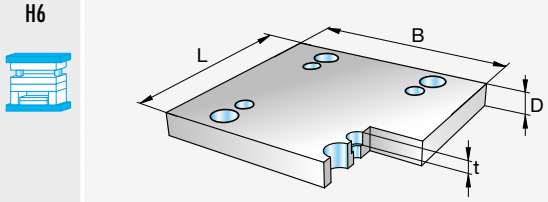


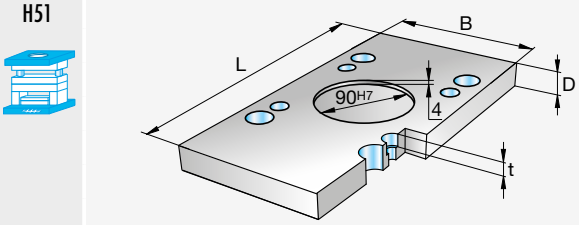
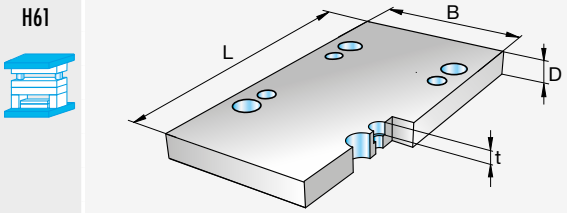
Type	B x L = 147 x 246 / B1 x L1 = 129 x 228	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

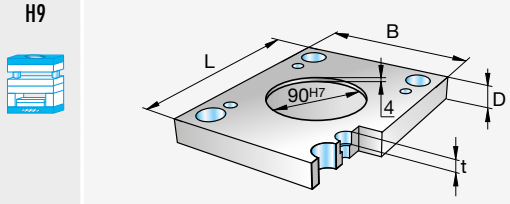
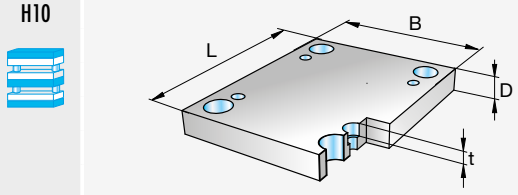
Type	B x L = 147 x 246 / B1 x L1 = 129 x 228	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2525 | Cavity plates 2525 | Plaques porte-empreinte 2525

Type	B x L = 296 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

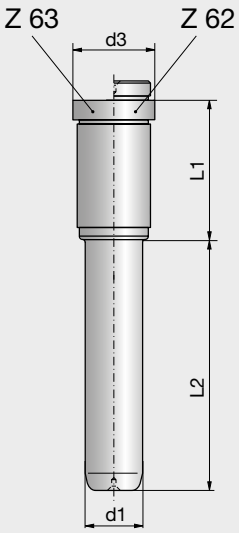
Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 246 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

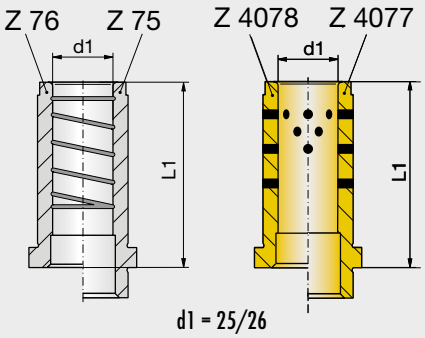
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

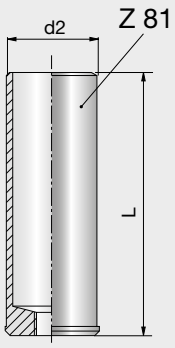
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

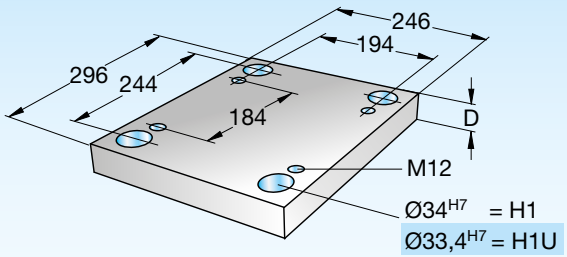


d2 = 34

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1

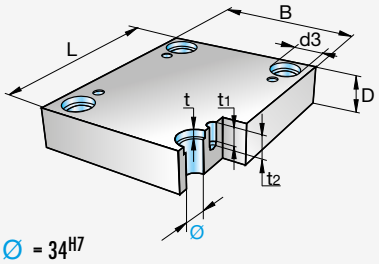
Formplatten 2530 | Cavity plates 2530 | Plaques porte-empreinte 2530

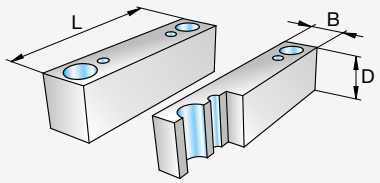


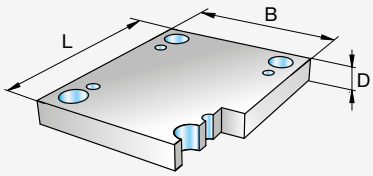
Standard

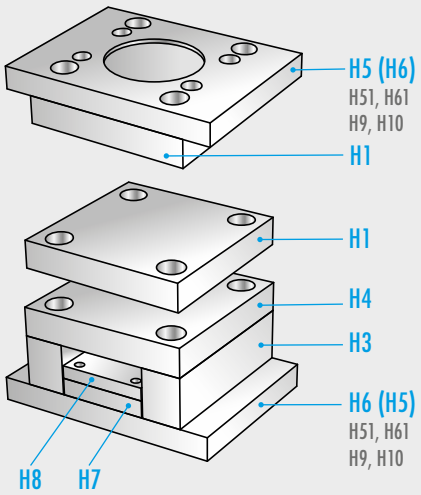
2530

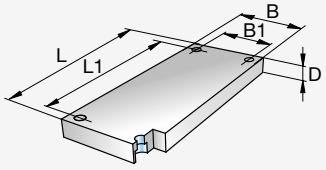
2530-Type-D-Mat.

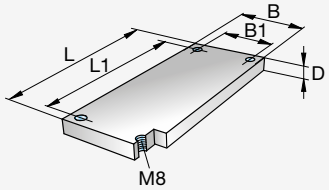
Type	B x L = 246 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	12	16	39	22	■			■	■	■		■
			16	20		27	■			■	■	■	■	■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■

Type	B x L = 47 x 296	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 296	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

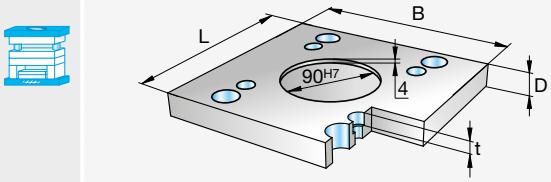
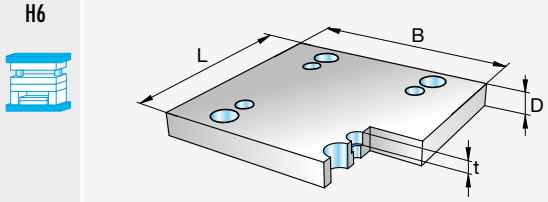


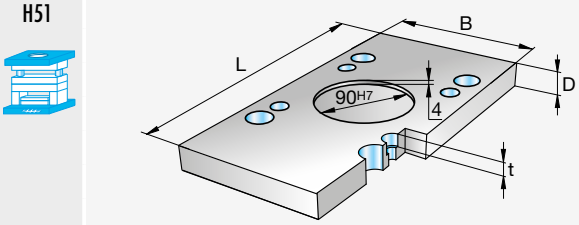
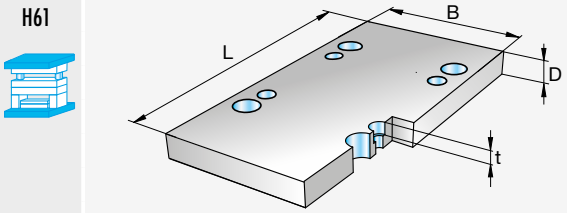
Type	B x L = 147 x 296 / B1 x L1 = 129 x 278	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

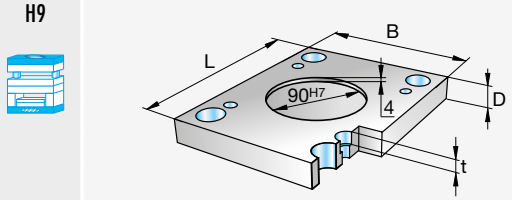
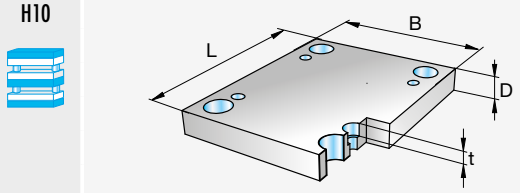
Type	B x L = 147 x 296 / B1 x L1 = 129 x 278	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2530 | Cavity plates 2530 | Plaques porte-empreinte 2530

Type	B x L = 296 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

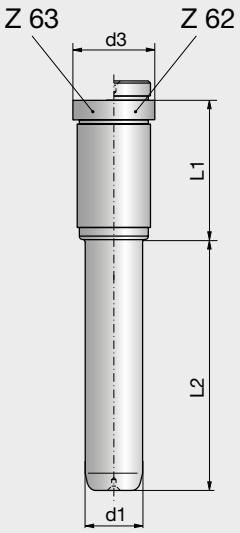
Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

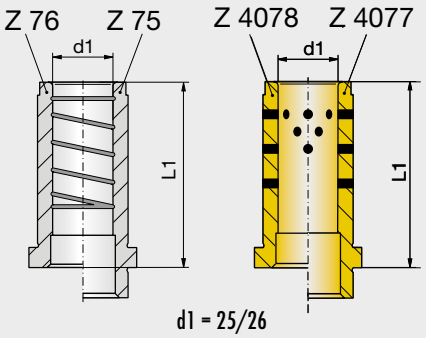
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

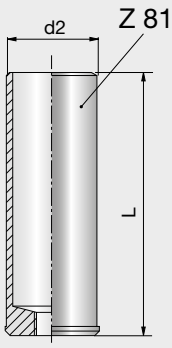
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

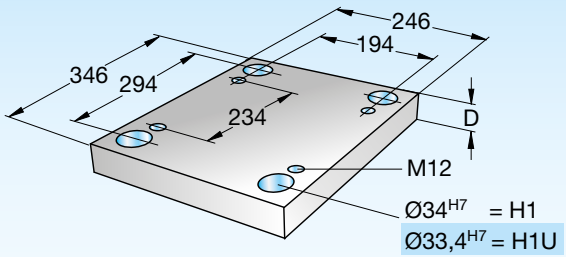


d2 = 34

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1

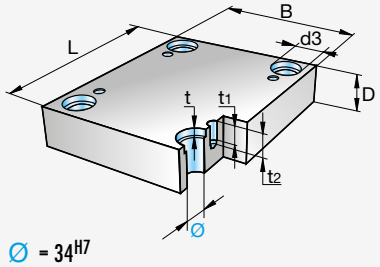
Formplatten 2535 | Cavity plates 2535 | Plaques porte-empreinte 2535

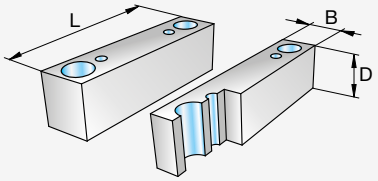


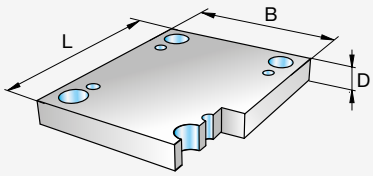
Standard

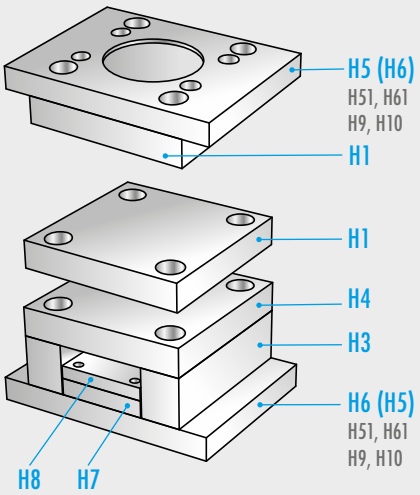
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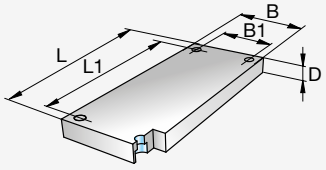
2535-Type-D-Mat.

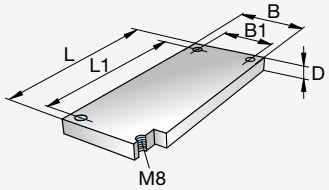
Type	B x L = 246 x 346	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	12	16	39	22	■			■	■	■		■
			16	20		27	■			■	■	■	■	■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■

Type	B x L = 47 x 346	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 346	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

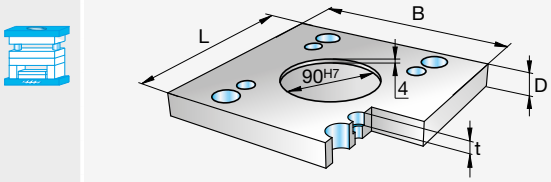
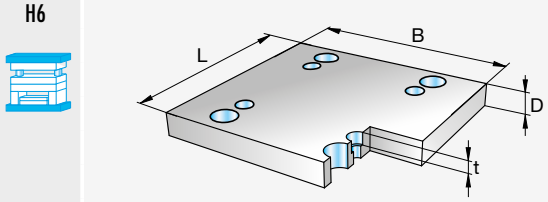


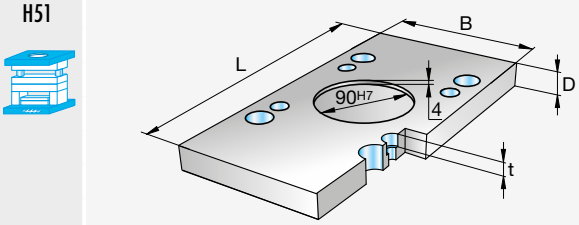
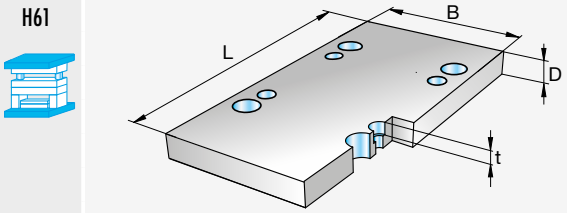
Type	B x L = 147 x 346 / B1 x L1 = 129 x 328	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

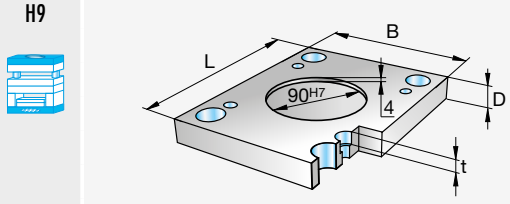
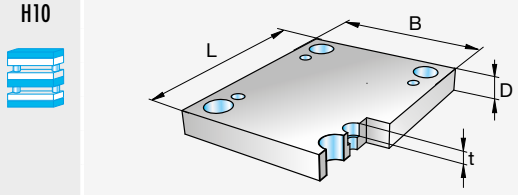
Type	B x L = 147 x 346 / B1 x L1 = 129 x 328	D	Mat. 1730	2085	2312
H8		12	■		

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Formplatten 2535 | Cavity plates 2535 | Plaques porte-empreinte 2535

Type	B x L = 296 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

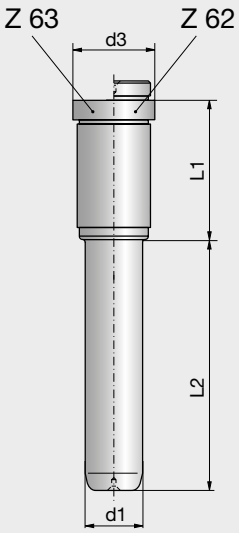
Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 246 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

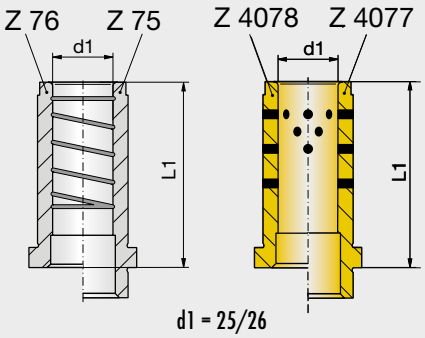
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

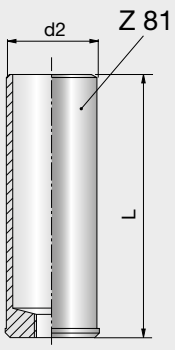
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

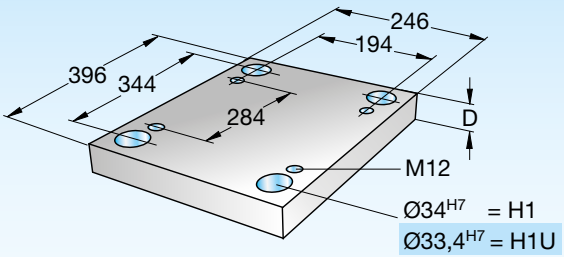


d2 = 34

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1

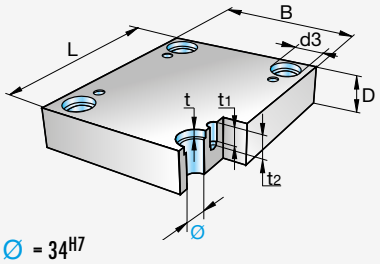
Formplatten 2540 | Cavity plates 2540 | Plaques porte-empreinte 2540



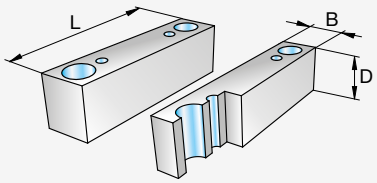
Standard

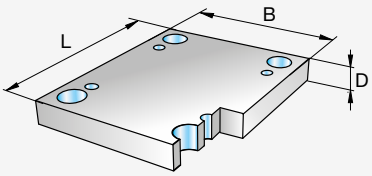
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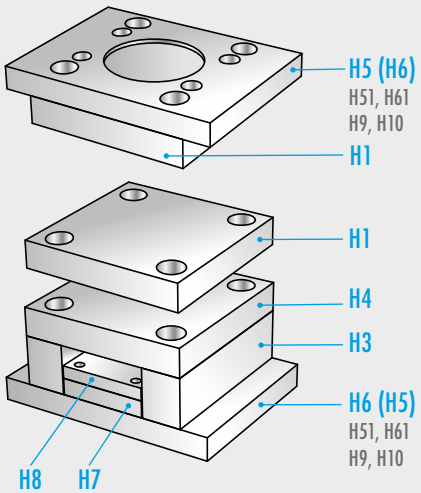
2540-Type-D-Mat.

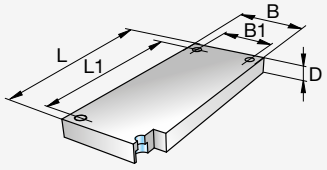
Type	B x L = 246 x 396	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	12	16	39	22	■			■	■	■		■
			16	20		27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■

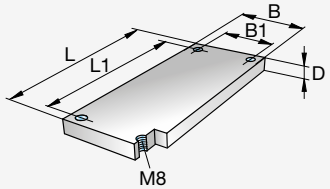
H1 Ø = 34H7
H1U Ø = 33,4H7

Type	B x L = 47 x 396	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 396	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



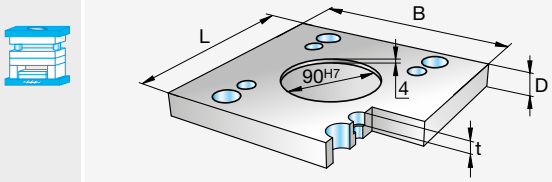
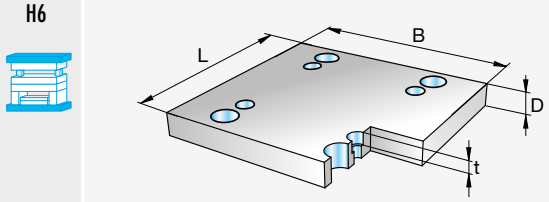
Type	B x L = 147 x 396 / B1 x L1 = 129 x 378	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

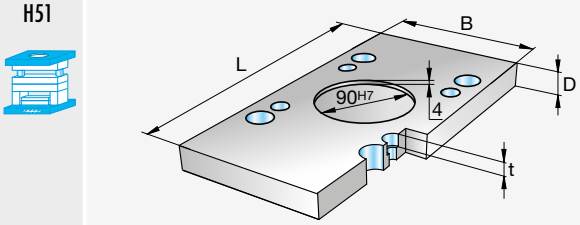
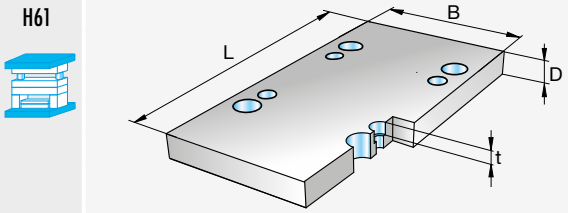
Type	B x L = 147 x 396 / B1 x L1 = 129 x 378	D	Mat. 1730	2085	2312
H8		12	■		

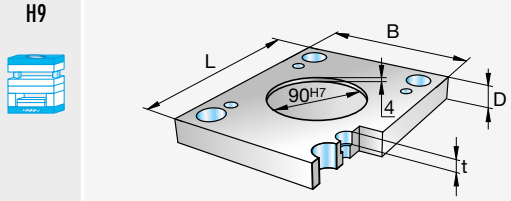
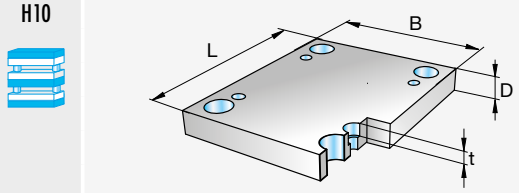
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Formplatten 2540 | Cavity plates 2540 | Plaques porte-empreinte 2540

Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

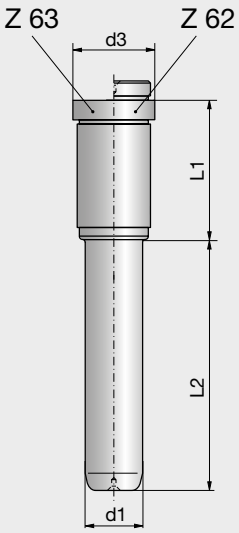
Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

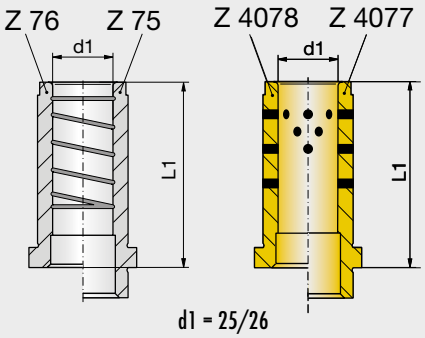
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

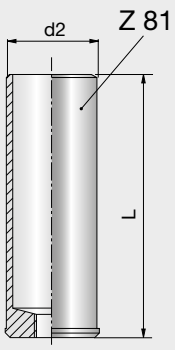
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

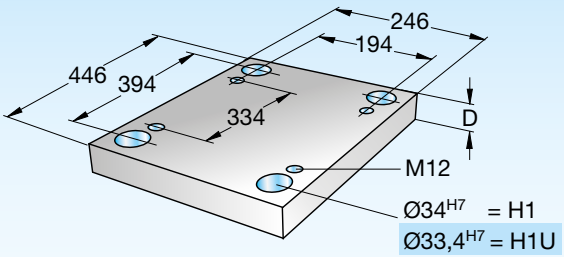


d2 = 34

D 3001 09.2017

1

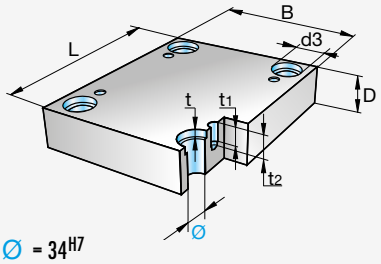
Formplatten 2545 | Cavity plates 2545 | Plaques porte-empreinte 2545



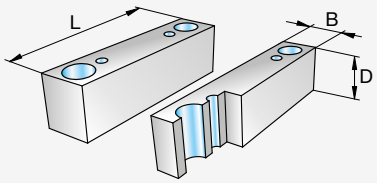
Standard

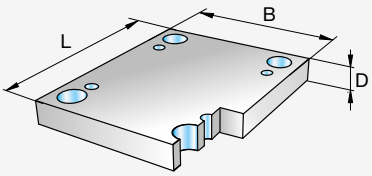
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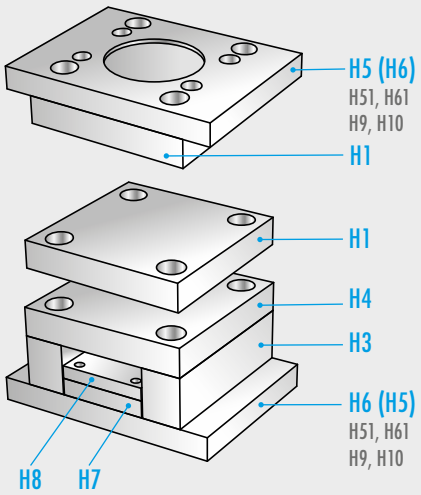
2545-Type-D-Mat.

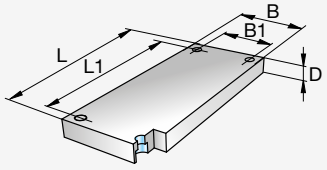
Type	B x L = 246 x 446	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

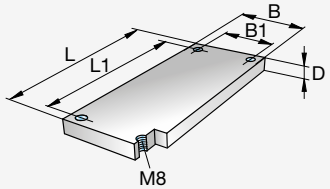
H1 Ø = 34H7
H1U Ø = 33,4H7

Type	B x L = 47 x446	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 446	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



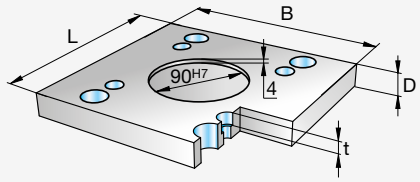
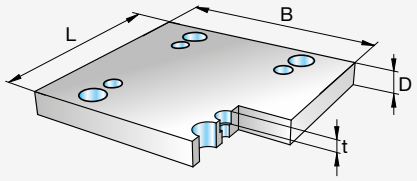
Type	B x L = 147 x 446 / B1 x L1 = 129 x 428	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 147 x 446 / B1 x L1 = 129 x 428	D	Mat. 1730	2085	2312
H8		12	■		

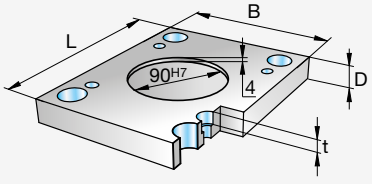
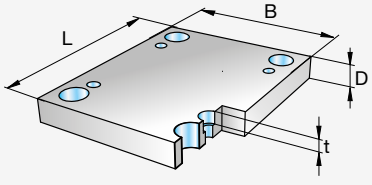
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Formplatten 2545 | Cavity plates 2545 | Plaques porte-empreinte 2545

Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
			47	■		■
H6		13	27	■		■
			37	■		■
			47	■		■

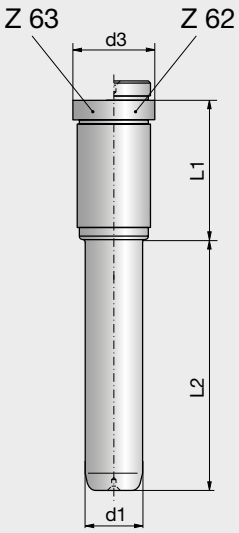
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
			47	■		■
H10		13	27	■		■
			37	■		■
			47	■		■

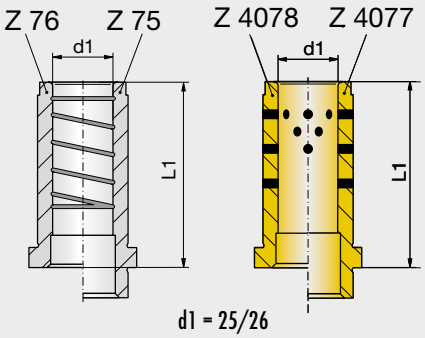
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

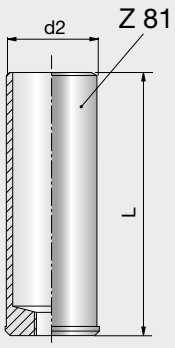
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

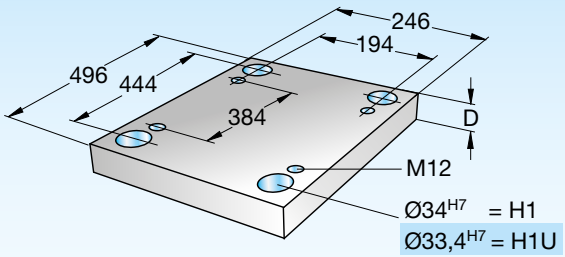


d2 = 34

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1

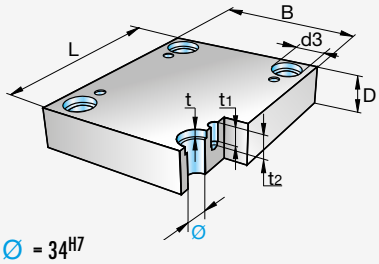
Formplatten 2550 | Cavity plates 2550 | Plaques porte-empreinte 2550

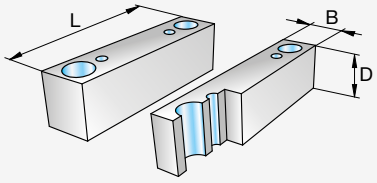


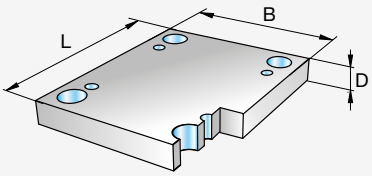
Standard

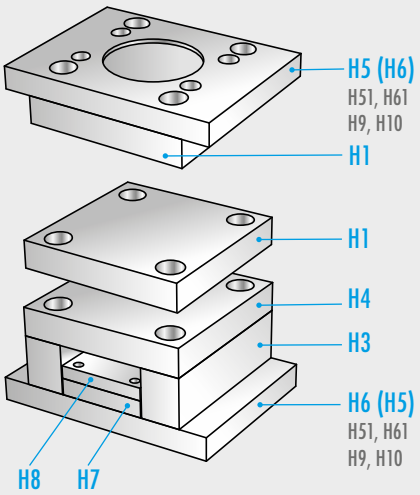
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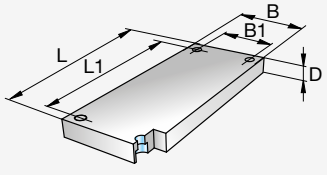
2550-Type-D-Mat.

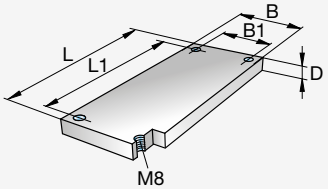
Type	B x L = 246 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

Type	B x L = 47 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 246 x 496	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



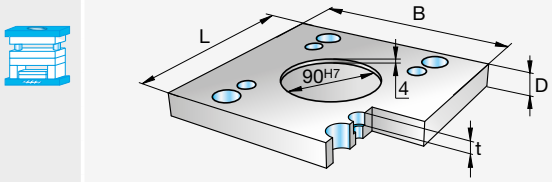
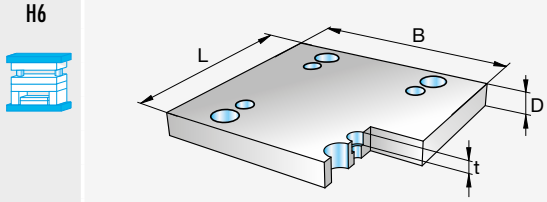
Type	B x L = 147 x 496 / B1 x L1 = 129 x 478	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 147 x 496 / B1 x L1 = 129 x 478	D	Mat. 1730	2085	2312
H8		12	■		

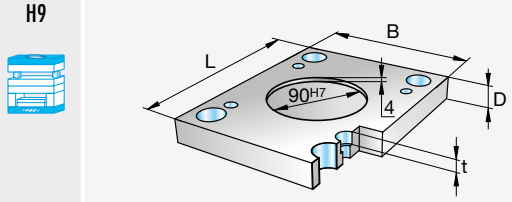
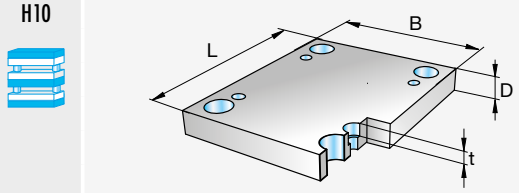
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Formplatten 2550 | Cavity plates 2550 | Plaques porte-empreinte 2550

Type	B x L = 296 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
			47	■		■
H6		13	27	■		■
			37	■		■
			47	■		■

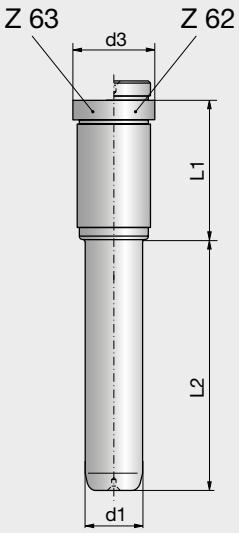
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 246 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
			47	■		■
H10		13	27	■		■
			37	■		■
			47	■		■

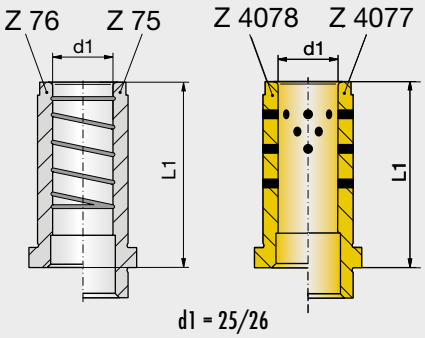
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

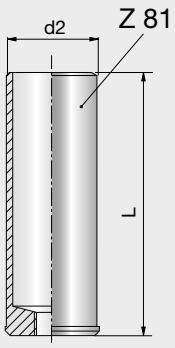
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

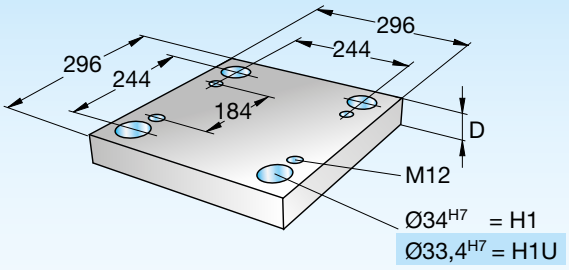


d2 = 34

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1

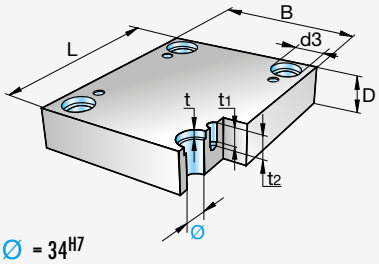
Formplatten 3030 | Cavity plates 3030 | Plaques porte-empreinte 3030

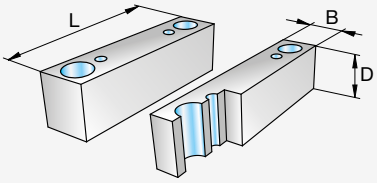


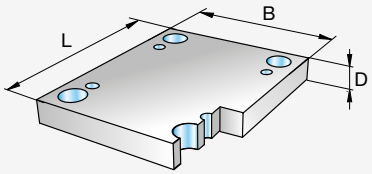
Standard

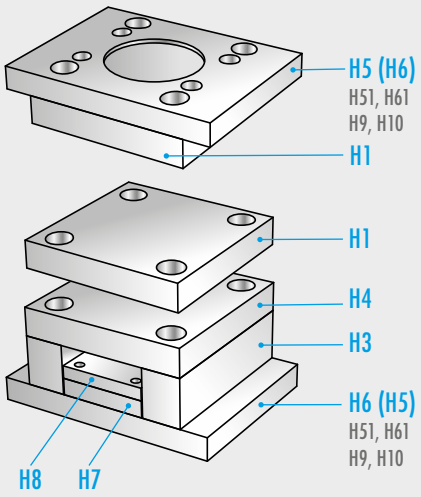
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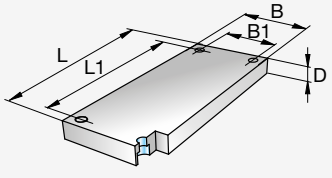
3030-Type-D-Mat.

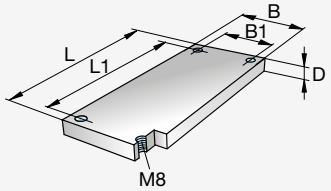
Type	B x L = 296 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

Type	B x L = 47 x 296	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 296	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



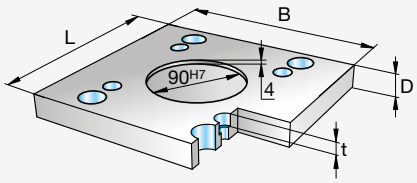
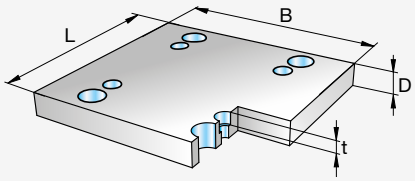
Type	B x L = 197 x 296 / B1 x L1 = 179 x 278	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

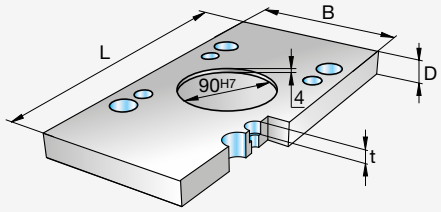
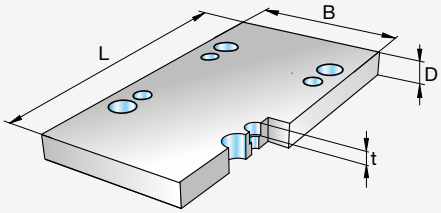
Type	B x L = 197 x 296 / B1 x L1 = 179 x 278	D	Mat. 1730	2085	2312
H8		12	■		

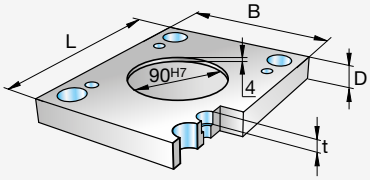
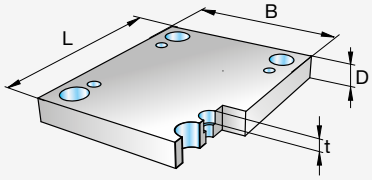
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Formplatten 3030 | Cavity plates 3030 | Plaques porte-empreinte 3030

Type	B x L = 346 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

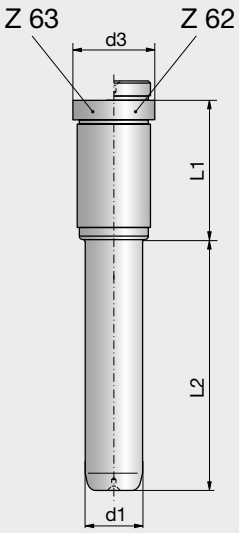
Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 296 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

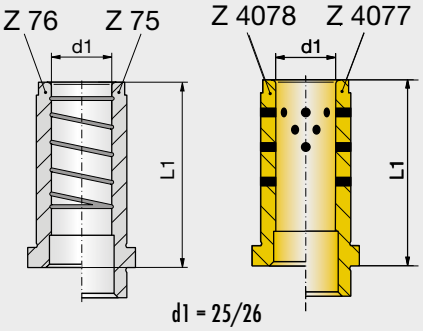
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

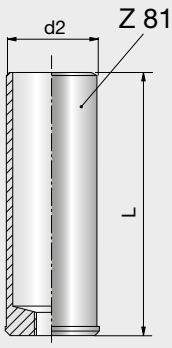
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

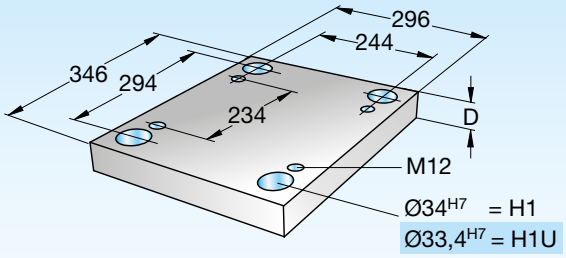


d2 = 34

D 3001 09.2017

1

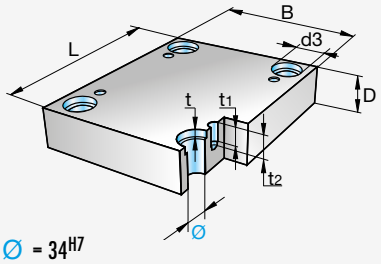
Formplatten 3035 | Cavity plates 3035 | Plaques porte-empreinte 3035

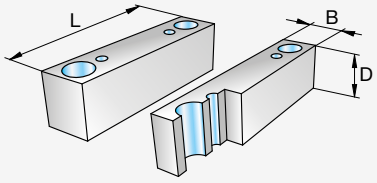


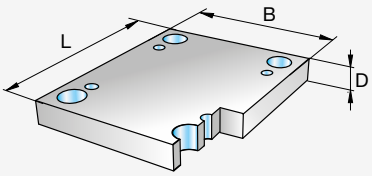
Standard

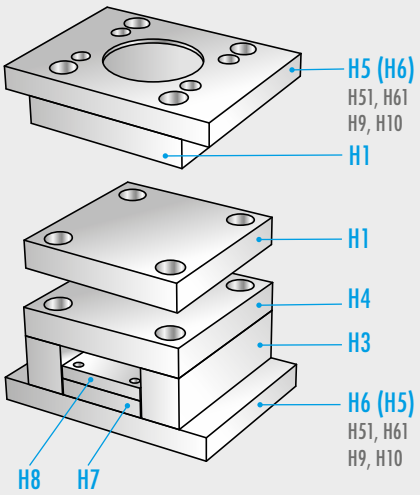
3035

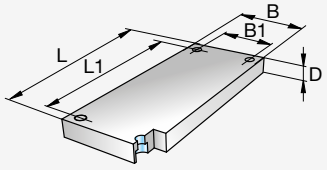
3035-Type-D-Mat.

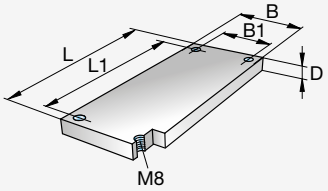
Type	B x L = 296 x 346	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

Type	B x L = 47 x 346	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 346	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



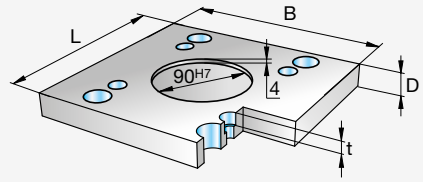
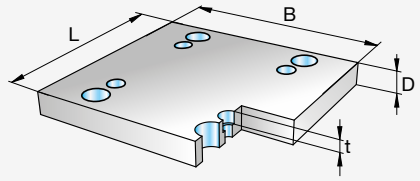
Type	B x L = 197 x 346 / B1 x L1 = 179 x 328	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

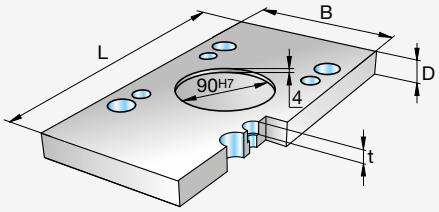
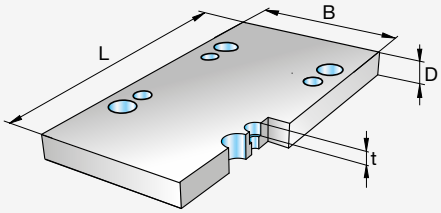
Type	B x L = 197 x 346 / B1 x L1 = 179 x 328	D	Mat. 1730	2085	2312
H8		12	■		

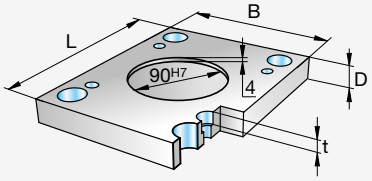
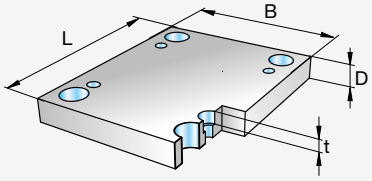
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Formplatten 3035 | Cavity plates 3035 | Plaques porte-empreinte 3035

Type	B x L = 346 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

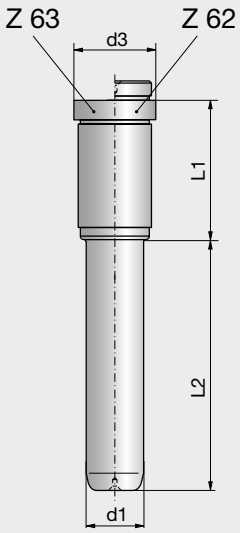
Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 296 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

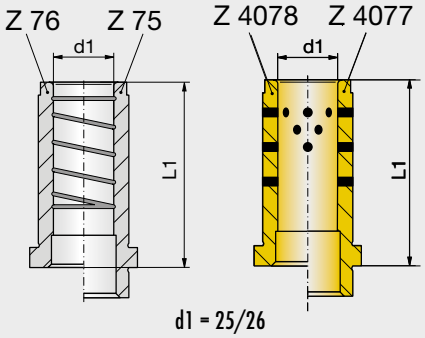
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

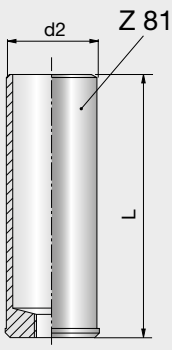
Accessories pour plaques
porte-empreinte de standard
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d1 = 25/26



d1 = 25/26

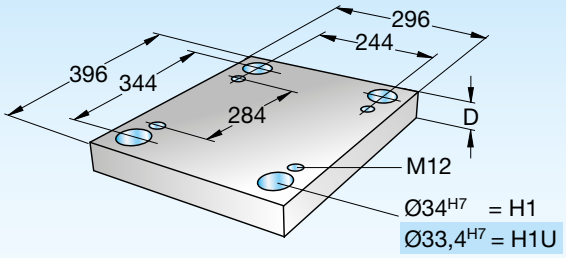


d2 = 34

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1

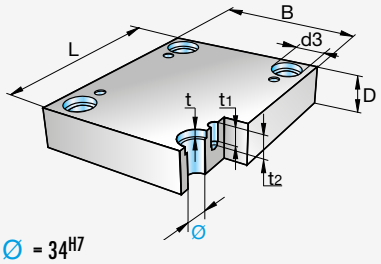
Formplatten 3040 | Cavity plates 3040 | Plaques porte-empreinte 3040

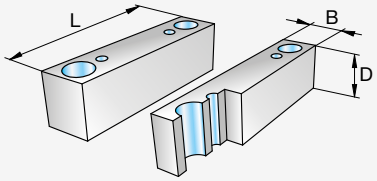


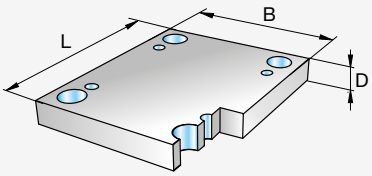
Standard

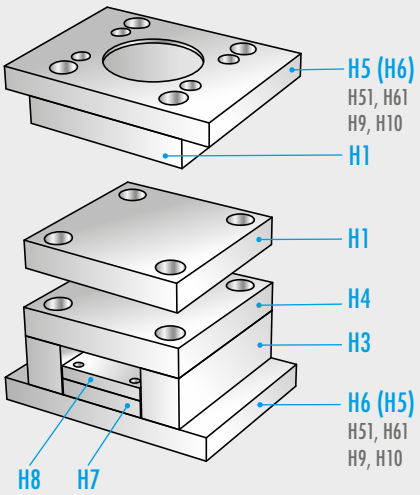
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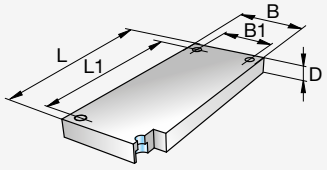
3040-Type-D-Mat.

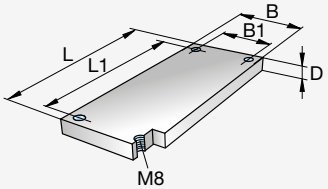
Type	B x L = 296 x 396	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

Type	B x L = 47 x 396	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 396	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		



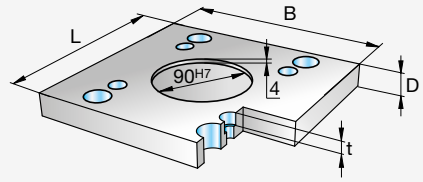
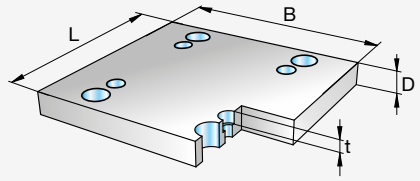
Type	B x L = 197 x 396 / B1 x L1 = 179 x 378	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

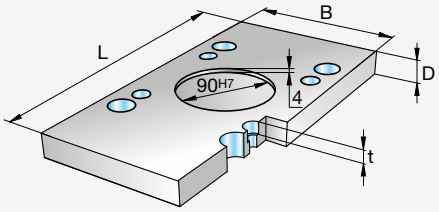
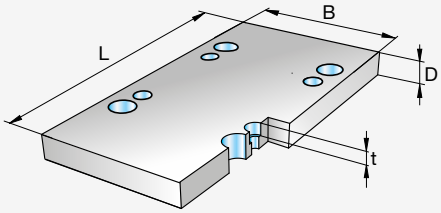
Type	B x L = 197 x 396 / B1 x L1 = 179 x 378	D	Mat. 1730	2085	2312
H8		12	■		

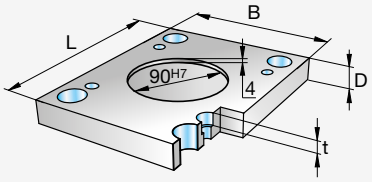
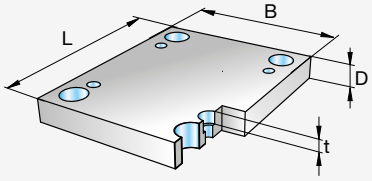
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Formplatten 3040 | Cavity plates 3040 | Plaques porte-empreinte 3040

Type	B x L = 346 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

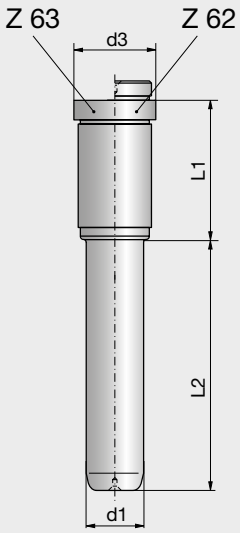
Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

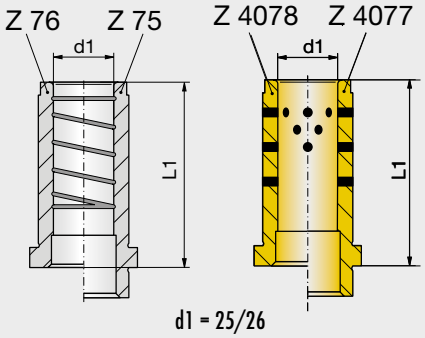
Zubehör für Standard-Formplatten
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Accessories for standard cavity plates
see book 2 / chapter 1

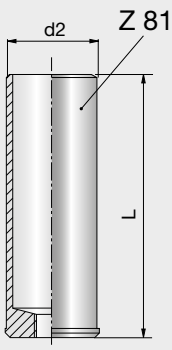
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

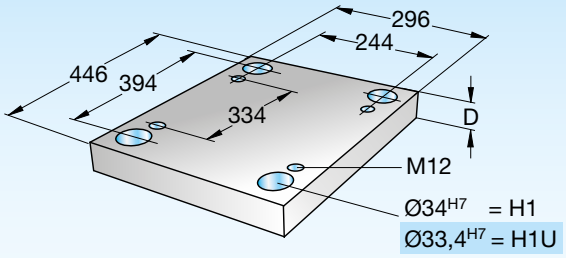


d2 = 34

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1

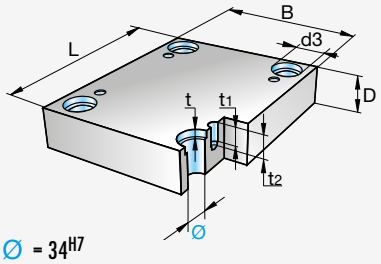
Formplatten 3045 | Cavity plates 3045 | Plaques porte-empreinte 3045

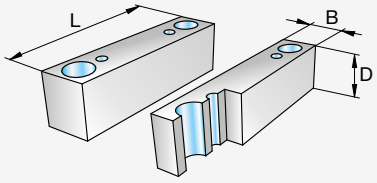


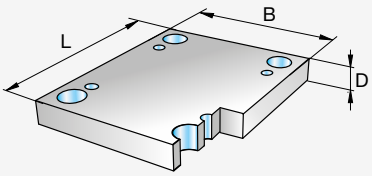
Standard

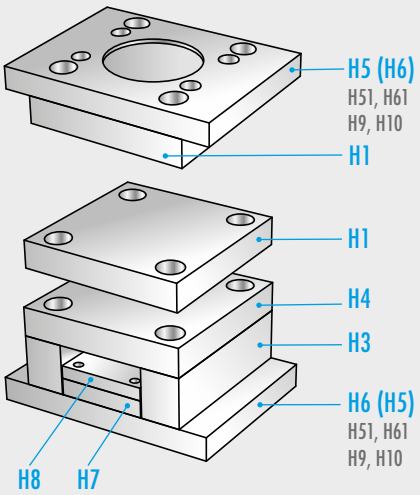
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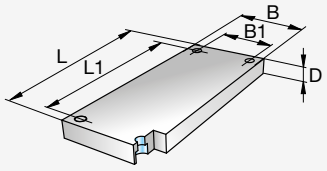
3045-Type-D-Mat.

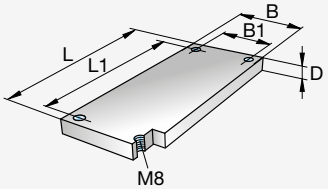
Type	B x L = 296 x 446	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		
			20	25		37	■			■	■	■	■	
			20	25		47	■			■	■	■	■	
			20	25		57	■			■	■	■	■	
			20	25		67	■			■	■	■	■	
			20	25		77	■			■	■	■	■	
			20	25		87	■			■	■	■	■	
			20	25		97	■			■	■	■	■	
			20	25		117	■			■	■	■	■	

Type	B x L = 47 x 446	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 446	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



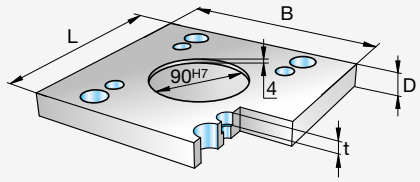
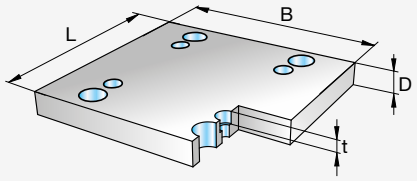
Type	B x L = 197 x 446 / B1 x L1 = 179 x 428	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 197 x 446 / B1 x L1 = 179 x 428	D	Mat. 1730	2085	2312
H8		12	■		

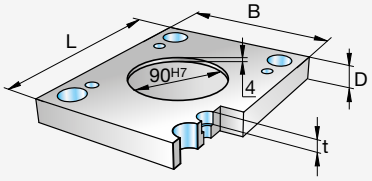
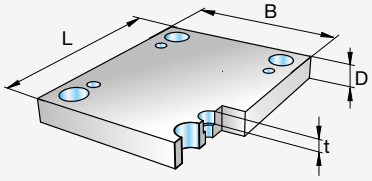
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Formplatten 3045 | Cavity plates 3045 | Plaques porte-empreinte 3045

Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	37	■		■
			47	■		■
			57	■		■
H6		13	37	■		■
			47	■		■
			57	■		■

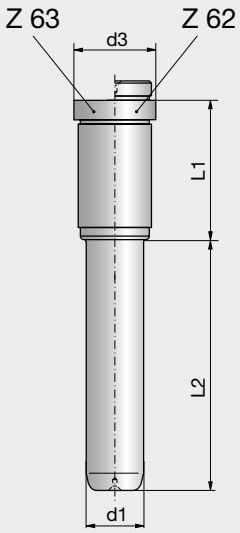
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	37	■		■
			47	■		■
			57	■		■
H10		13	27	■		■
			37	■		■
			47	■		■

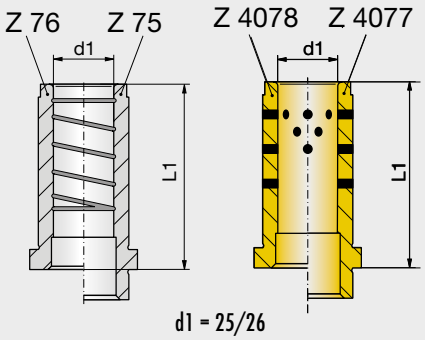
Zubehör für Standard-Formplatten
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Accessories for standard cavity plates
see book 2 / chapter 1

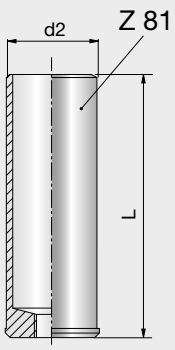
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

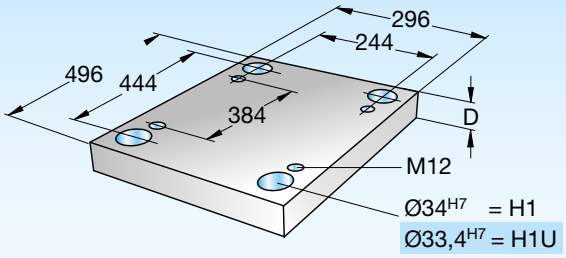


d2 = 34

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1

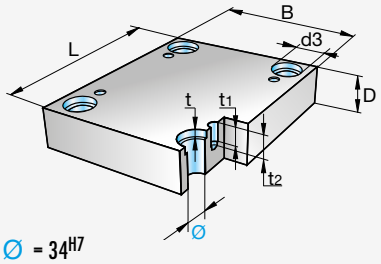
Formplatten 3050 | Cavity plates 3050 | Plaques porte-empreinte 3050

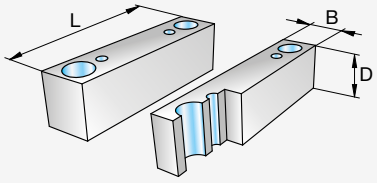


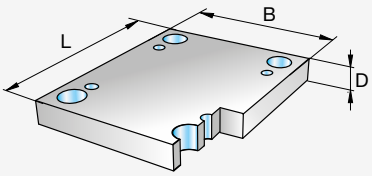
Standard

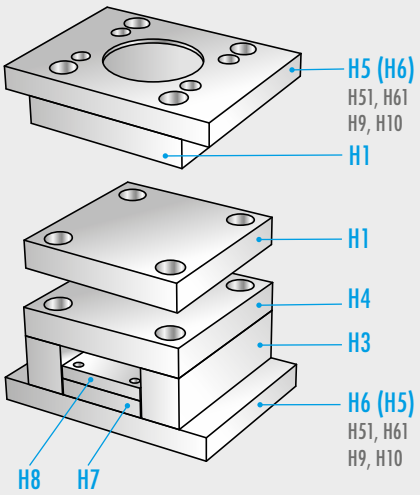
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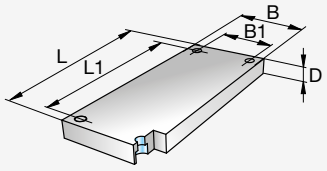
3050-Type-D-Mat.

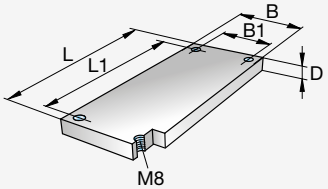
Type	B x L = 296 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		
			20	25		37	■			■	■	■	■	
			20	25		47	■			■	■	■	■	
			20	25		57	■			■	■	■	■	
			20	25		67	■			■	■	■	■	
			20	25		77	■			■	■	■	■	
			20	25		87	■			■	■	■	■	
			20	25		97	■			■	■	■	■	
			20	25		117	■			■	■	■	■	

Type	B x L = 47 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 496	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



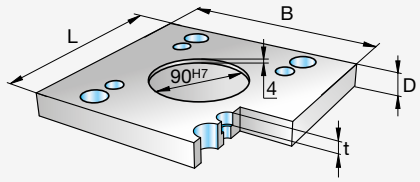
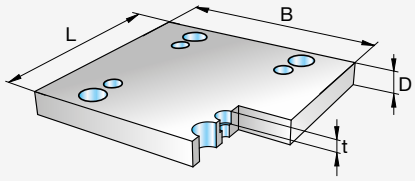
Type	B x L = 197 x 496 / B1 x L1 = 179 x 478	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 197 x 496 / B1 x L1 = 179 x 478	D	Mat. 1730	2085	2312
H8		12	■		

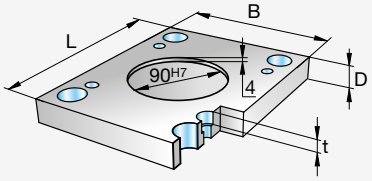
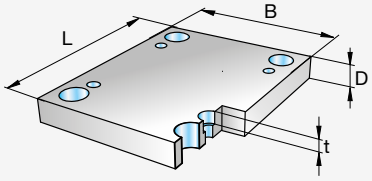
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Formplatten 3050 | Cavity plates 3050 | Plaques porte-empreinte 3050

Type	B x L = 346 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	37	■		■
			47	■		■
			57	■		■
H6		13	37	■		■
			47	■		■
			57	■		■

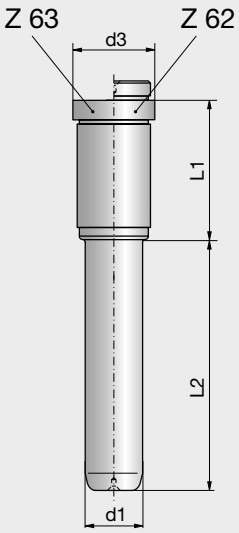
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	37	■		■
			47	■		■
			57	■		■
H10		13	27	■		■
			37	■		■
			47	■		■

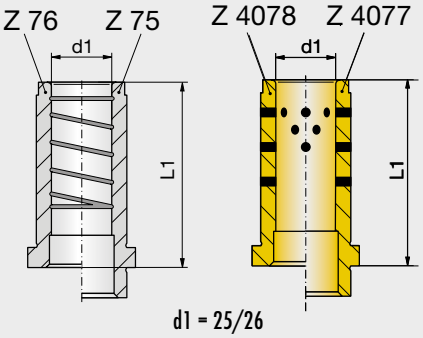
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

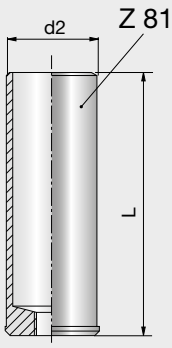
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

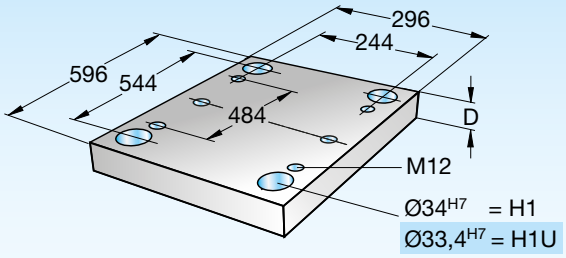


d2 = 34

D 3001 09.2017

1

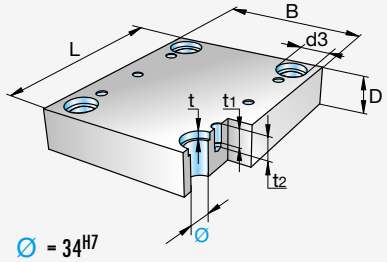
Formplatten 3060 | Cavity plates 3060 | Plaques porte-empreinte 3060

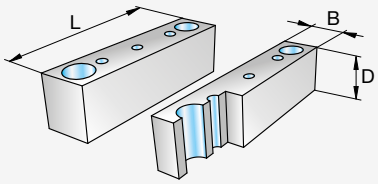


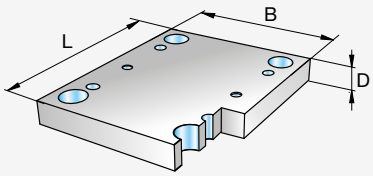
Standard

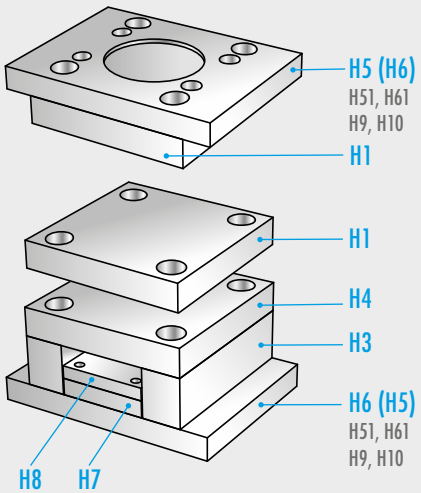
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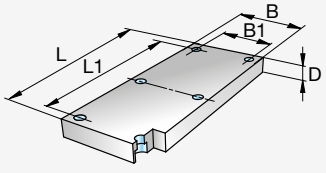
3060-Type-D-Mat.

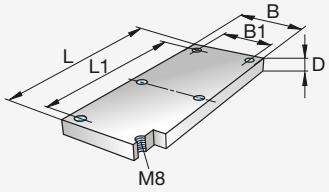
Type	B x L = 296 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		
			20	25		37	■			■	■	■	■	
			20	25		47	■			■	■	■	■	
			20	25		57	■			■	■	■	■	
			20	25		67	■			■	■	■	■	
			20	25		77	■			■	■	■	■	
			20	25		87	■			■	■	■	■	
			20	25		97	■			■	■	■	■	
			20	25		117	■			■	■	■	■	

Type	B x L = 47 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 296 x 596	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



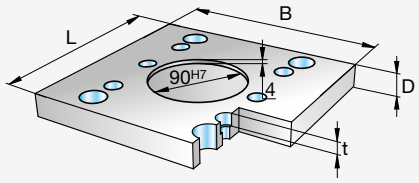
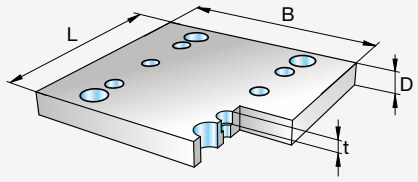
Type	B x L = 197 x 596 / B1 x L1 = 179 x 578	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 197 x 596 / B1 x L1 = 179 x 578	D	Mat. 1730	2085	2312
H8		12	■		

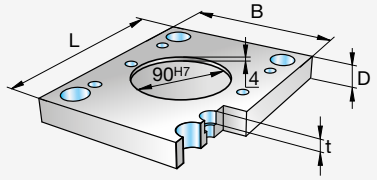
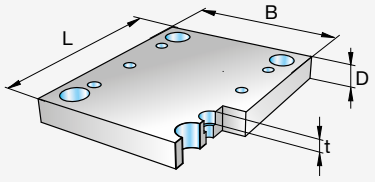
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Formplatten 3060 | Cavity plates 3060 | Plaques porte-empreinte 3060

Type	B x L = 346 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	37	■		■
			47	■		■
			57	■		■
H6		13	37	■		■
			47	■		■
			57	■		■

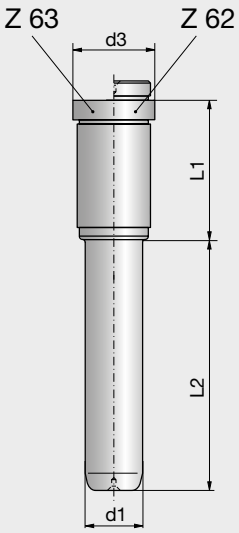
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	37	■		■
			47	■		■
			57	■		■
H10		13	27	■		■
			37	■		■
			47	■		■

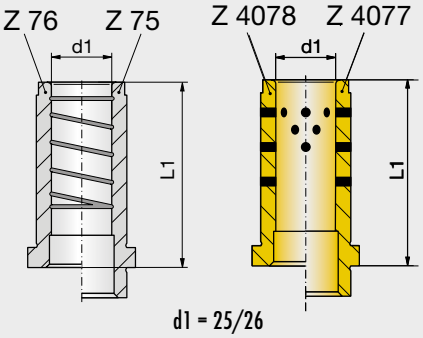
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

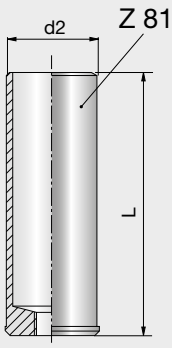
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

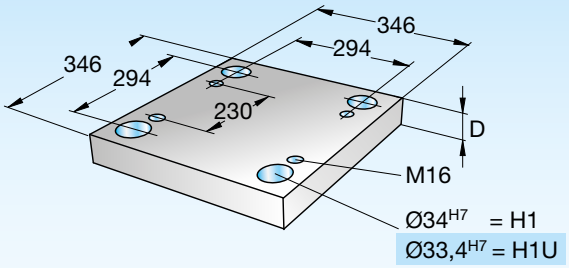


d2 = 34

D 3001 09.2017

1

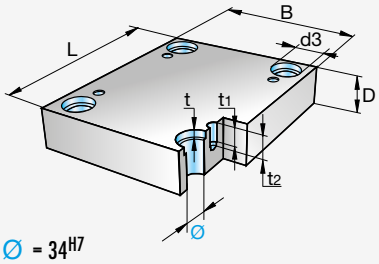
Formplatten 3535 | Cavity plates 3535 | Plaques porte-empreinte 3535

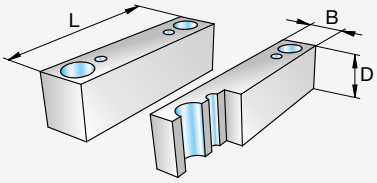


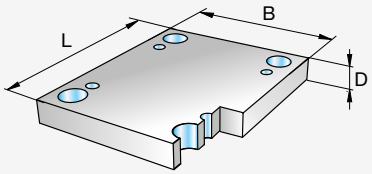
Standard

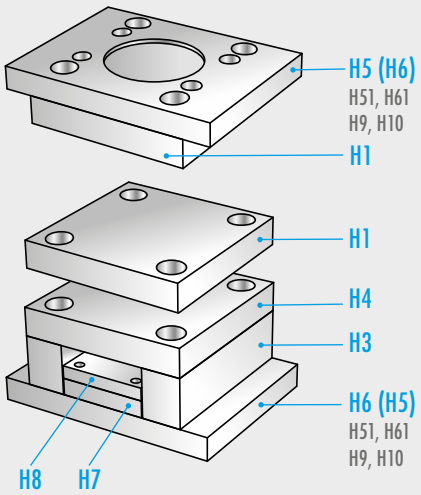
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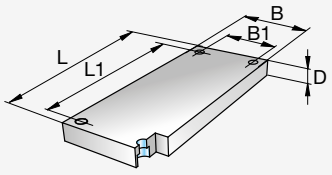
3535-Type-D-Mat.

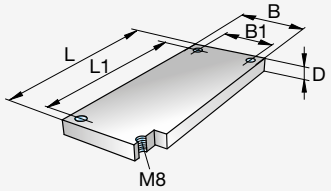
Type	B x L = 346 x 346	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■			■	■	■	■	■
						47	■			■	■	■	■	■
						57	■			■	■	■	■	■
						67	■			■	■	■	■	■
						77	■			■	■	■	■	■
						97	■			■	■	■	■	■
						117	■			■	■	■	■	■

Type	B x L = 47 x 346	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 346	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



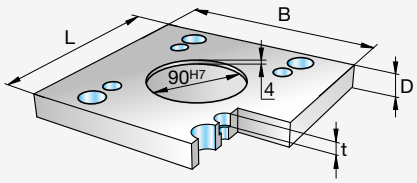
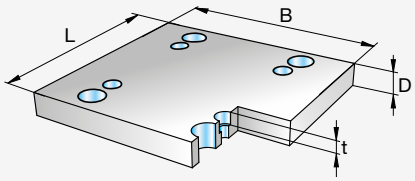
Type	B x L = 247 x 346 / B1 x L1 = 229 x 328	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

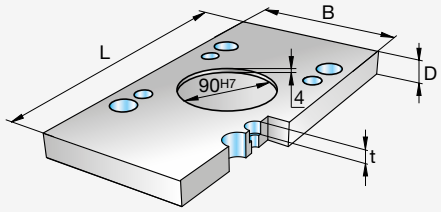
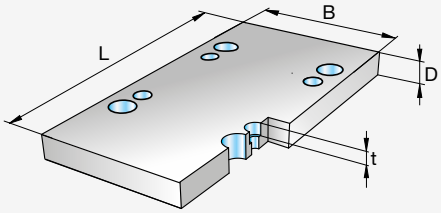
Type	B x L = 247 x 346 / B1 x L1 = 229 x 328	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

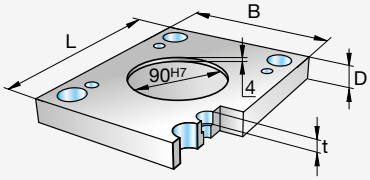
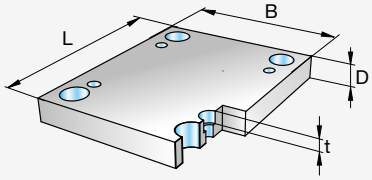
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Formplatten 3535 | Cavity plates 3535 | Plaques porte-empreinte 3535

Type	B x L = 396 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

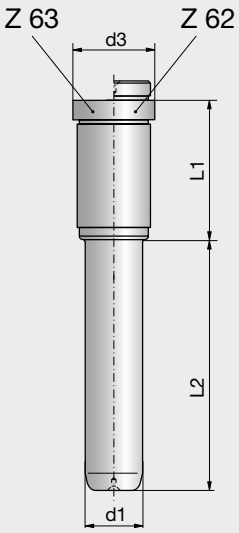
Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		17	37	■		■
			47	■		■
			57	■		■
H61		17	37	■		■
			47	■		■
			57	■		■

Type	B x L = 346 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

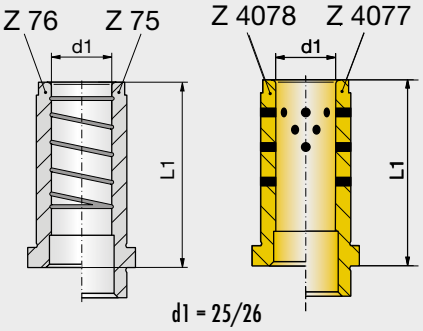
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

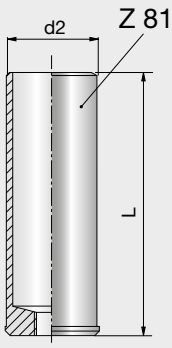
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

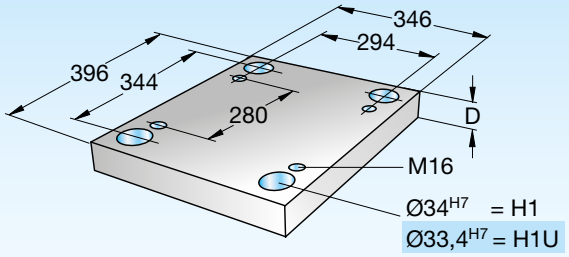


d2 = 34

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1

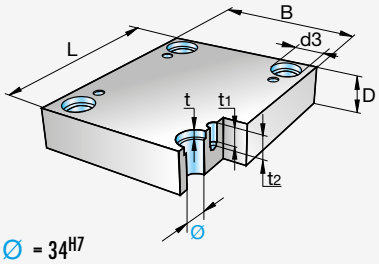
Formplatten 3540 | Cavity plates 3540 | Plaques porte-empreinte 3540

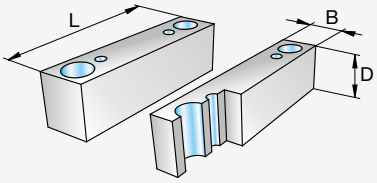


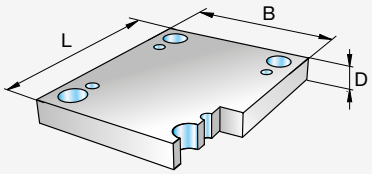
Standard

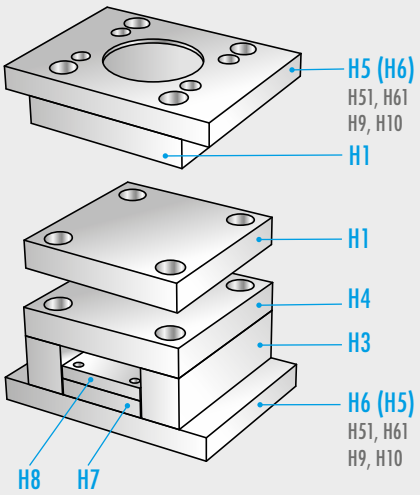
3540

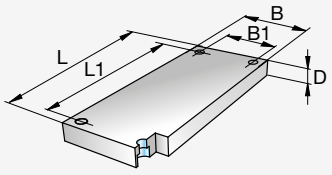
3540-Type-D-Mat.

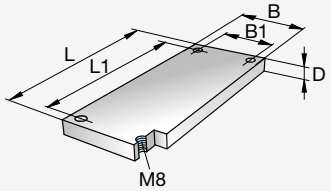
Type	B x L = 346 x 396	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■			■	■	■	■	■
						47	■			■	■	■	■	■
						57	■			■	■	■	■	■
						67	■			■	■	■	■	■
						77	■			■	■	■	■	■
						97	■			■	■	■	■	■
						117	■			■	■	■	■	■

Type	B x L = 47 x 396	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 396	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



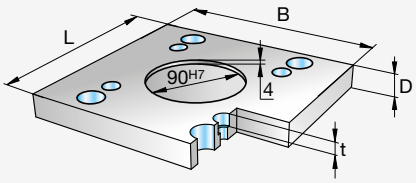
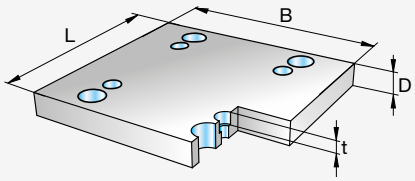
Type	B x L = 247 x 396 / B1 x L1 = 229 x 378	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

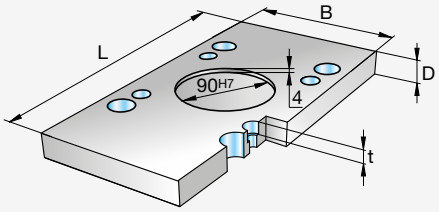
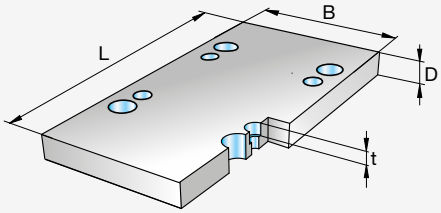
Type	B x L = 247 x 396 / B1 x L1 = 229 x 378	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

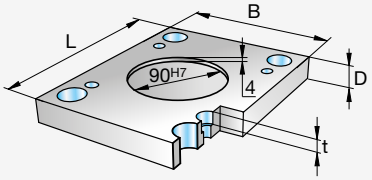
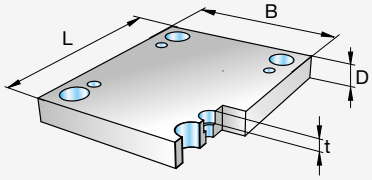
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Formplatten 3540 | Cavity plates 3540 | Plaques porte-empreinte 3540

Type	B x L = 396 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

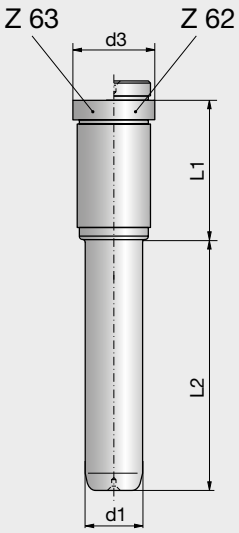
Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		17	37	■		■
			47	■		■
			57	■		■
H61		17	37	■		■
			47	■		■
			57	■		■

Type	B x L = 346 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

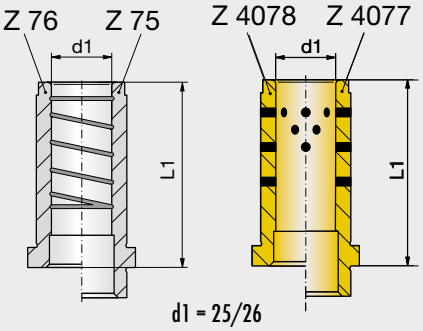
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

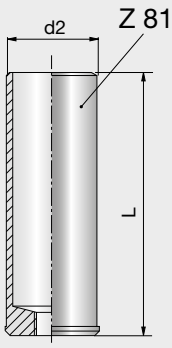
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

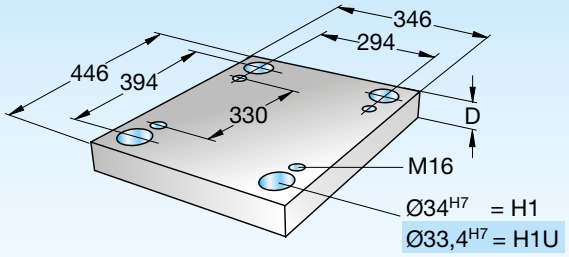


d2 = 34

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1

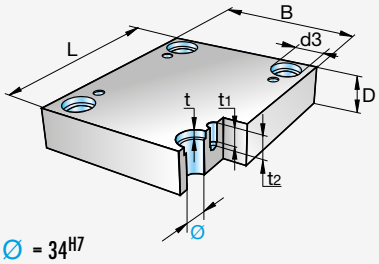
Formplatten 3545 | Cavity plates 3545 | Plaques porte-empreinte 3545

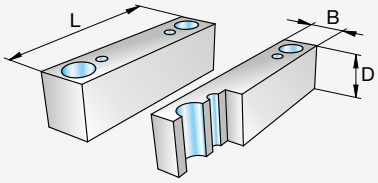


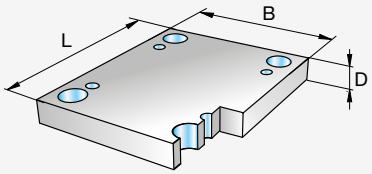
Standard

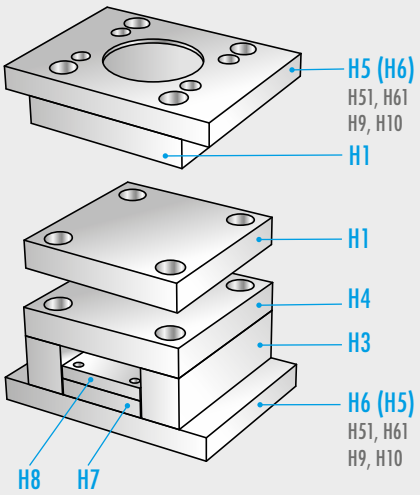
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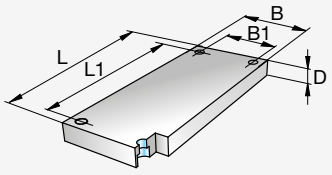
3545-Type-D-Mat.

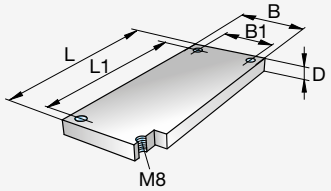
Type	B x L = 346 x 446	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	

Type	B x L = 47 x 446	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 446	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		

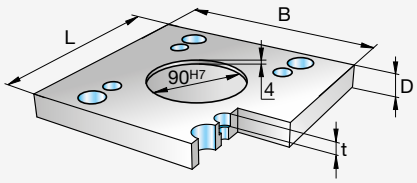
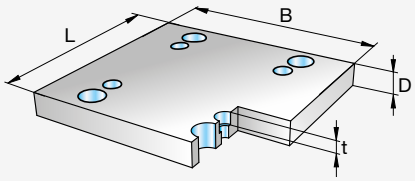


Type	B x L = 247 x 446 / B1 x L1 = 229 x 428	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

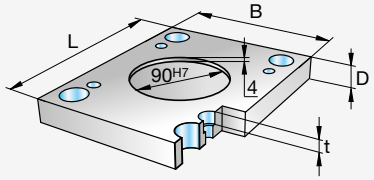
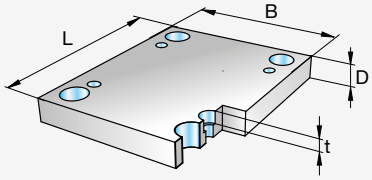
Type	B x L = 247 x 446 / B1 x L1 = 229 x 428	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

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Formplatten 3545 | Cavity plates 3545 | Plaques porte-empreinte 3545

Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

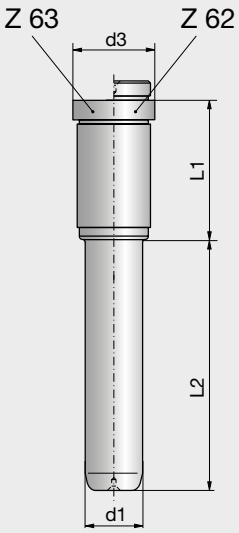
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

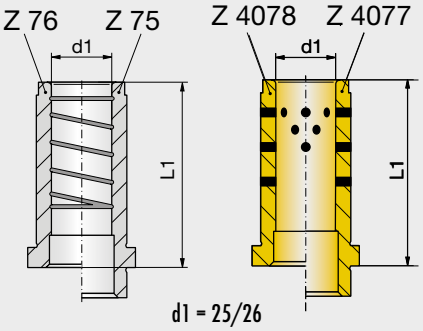
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

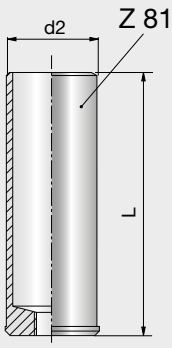
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

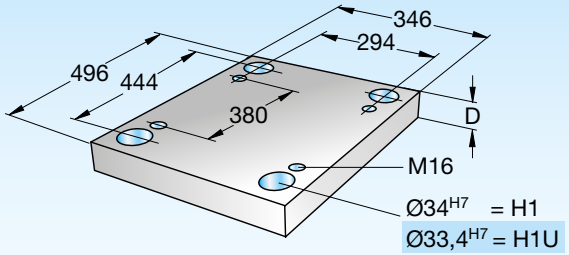


d2 = 34

D 3001 09.2017

1

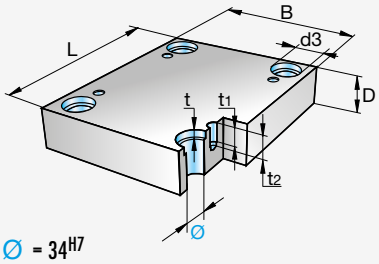
Formplatten 3550 | Cavity plates 3550 | Plaques porte-empreinte 3550



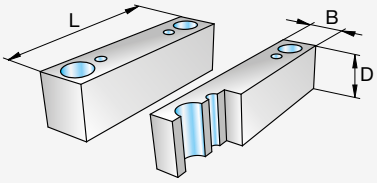
Standard

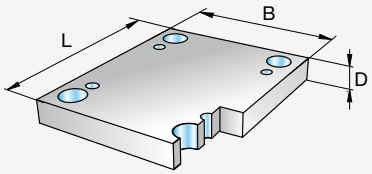
3550

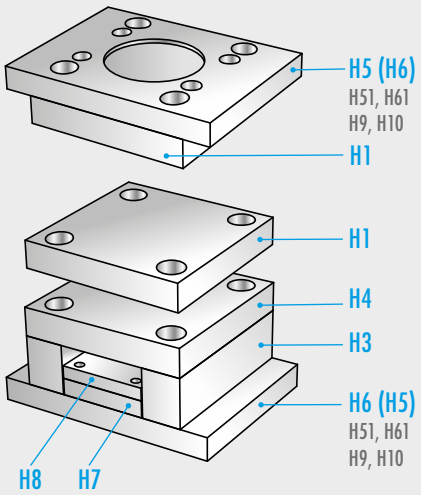
3550-Type-D-Mat.

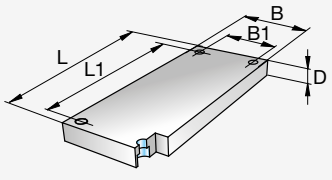
Type	B x L = 346 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	23	28	39	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	

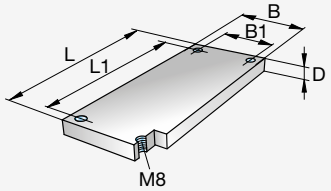
H1 Ø = 34H7
H1U Ø = 33,4H7

Type	B x L = 47 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 496	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



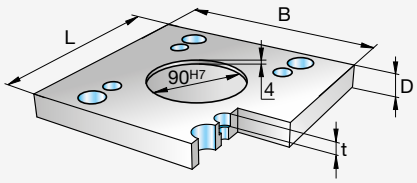
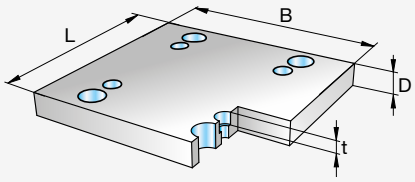
Type	B x L = 247 x 496 / B1 x L1 = 229 x 478	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 247 x 496 / B1 x L1 = 229 x 478	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

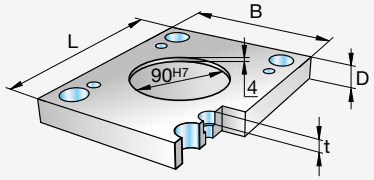
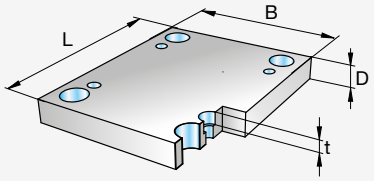
D 3001 09.2017

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Formplatten 3550 | Cavity plates 3550 | Plaques porte-empreinte 3550

Type	B x L = 396 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

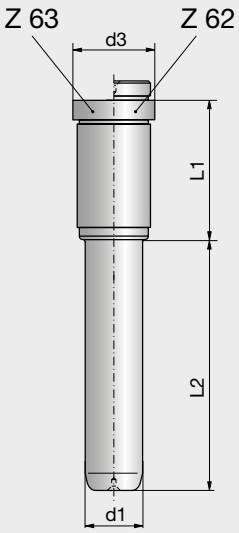
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

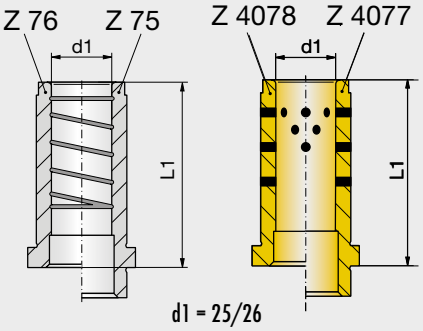
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

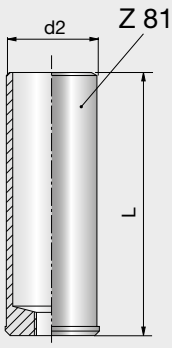
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

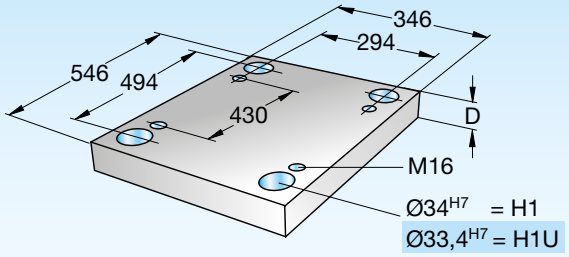


d2 = 34

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1

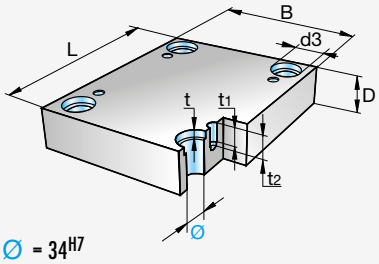
Formplatten 3555 | Cavity plates 3555 | Plaques porte-empreinte 3555

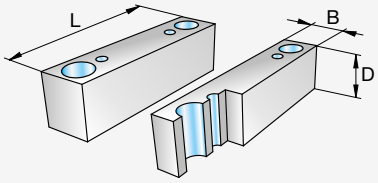


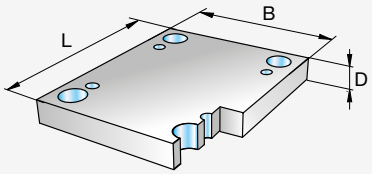
Standard

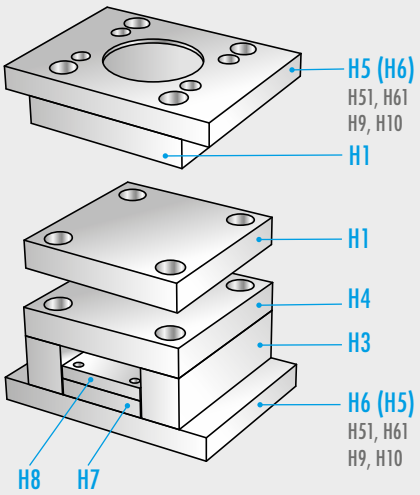
3555

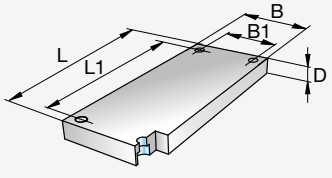
3555-Type-D-Mat.

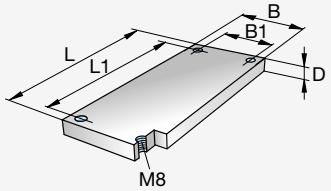
Type	B x L = 346 x 546	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	

Type	B x L = 47 x 546	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 546	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



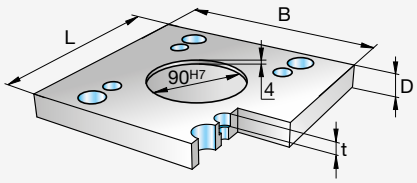
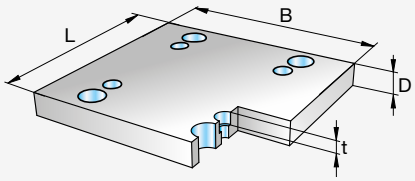
Type	B x L = 247 x 546 / B1 x L1 = 229 x 528	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 247 x 546 / B1 x L1 = 229 x 528	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

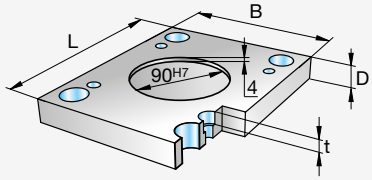
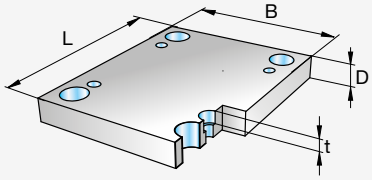
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Formplatten 3555 | Cavity plates 3555 | Plaques porte-empreinte 3555

Type	B x L = 396 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

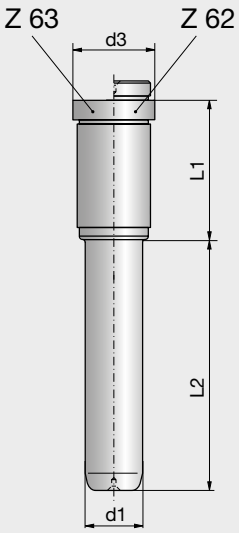
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

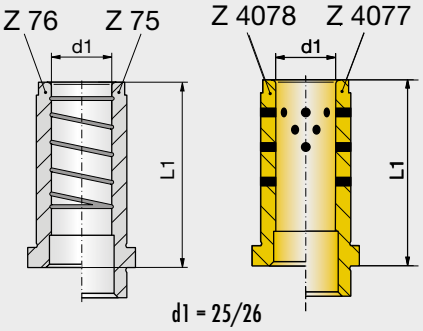
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

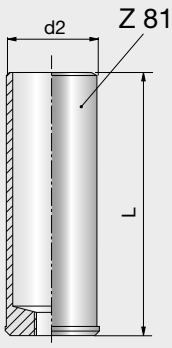
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

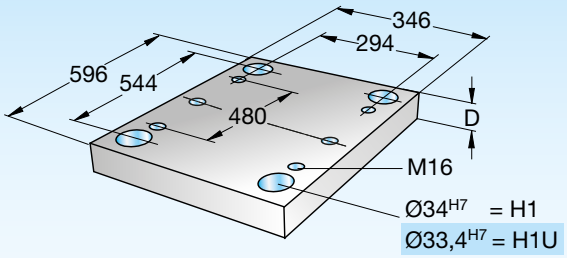


d2 = 34

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1

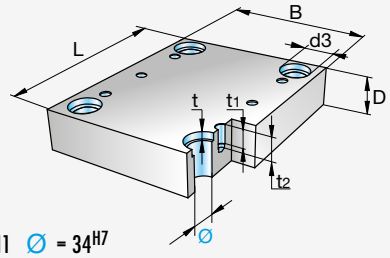
Formplatten 3560 | Cavity plates 3560 | Plaques porte-empreinte 3560

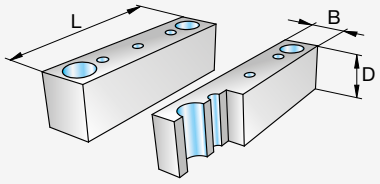


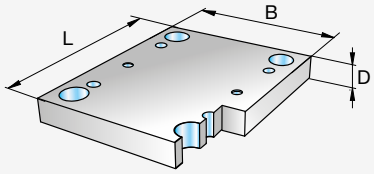
Standard

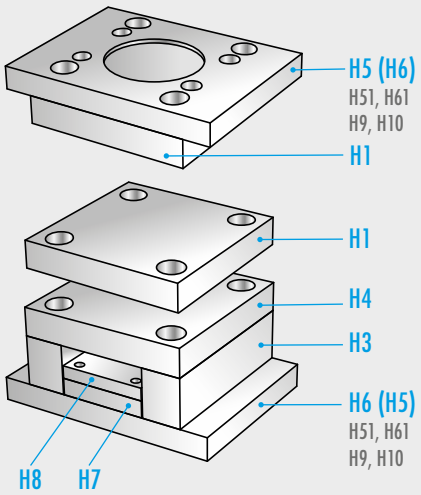
3560

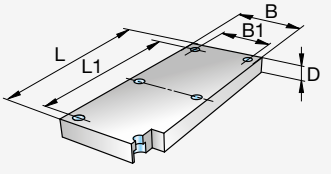
3560-Type-D-Mat.

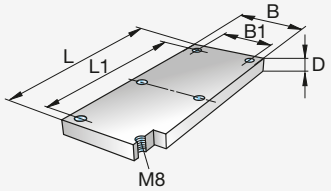
Type	B x L = 346 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	

Type	B x L = 47 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 596	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		

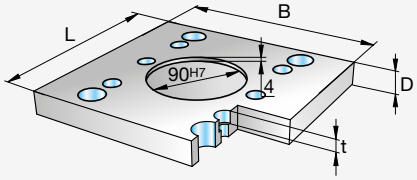
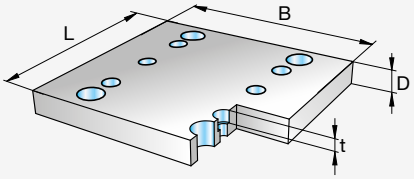


Type	B x L = 247 x 596 / B1 x L1 = 229 x 578	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

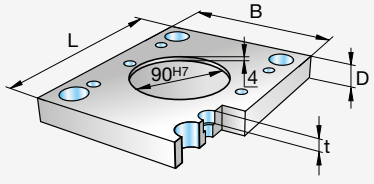
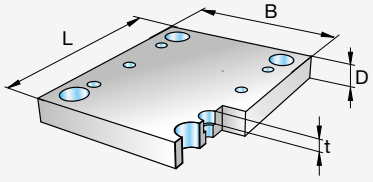
Type	B x L = 247 x 596 / B1 x L1 = 229 x 578	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

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Formplatten 3560 | Cavity plates 3560 | Plaques porte-empreinte 3560

Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

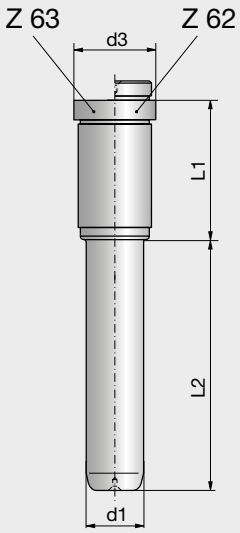
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

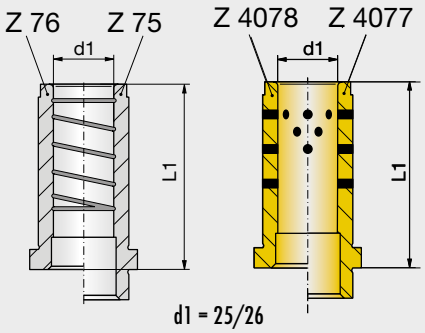
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

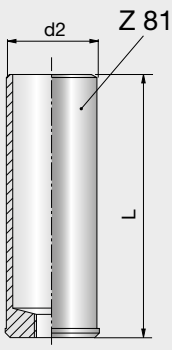
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

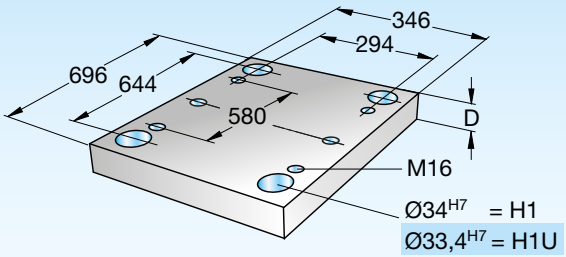


d2 = 34

D 3001 09.2017

1

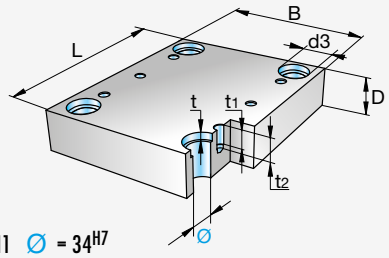
Formplatten 3570 | Cavity plates 3570 | Plaques porte-empreinte 3570

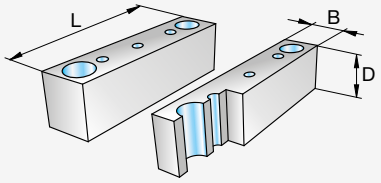


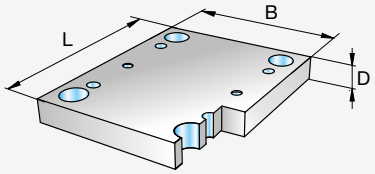
Standard

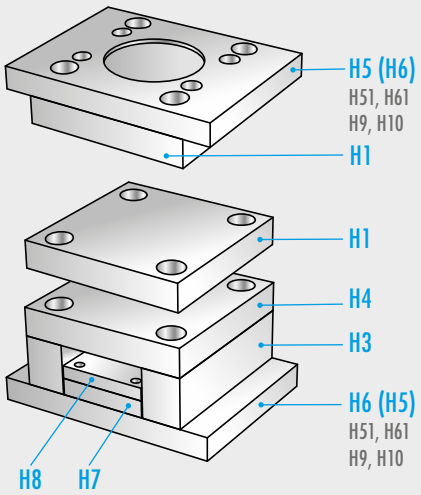
3570

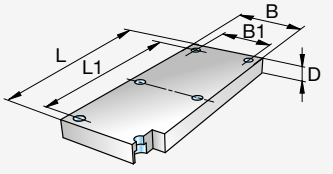
3570-Type-D-Mat.

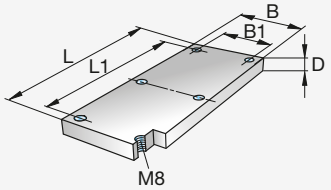
Type	B x L = 346 x 696	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	23	28	39	37	■				■	■		
						47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		

Type	B x L = 47 x 696	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

Type	B x L = 346 x 696	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



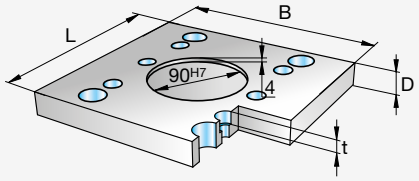
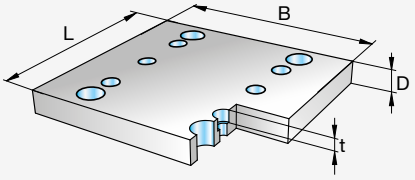
Type	B x L = 247 x 696 / B1 x L1 = 229 x 678	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 247 x 696 / B1 x L1 = 229 x 678	D	Mat. 1730	2085	2312
H8		12	■		
		18	■		

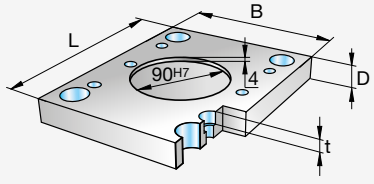
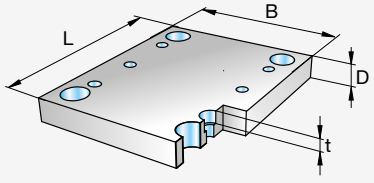
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Formplatten 3570 | Cavity plates 3570 | Plaques porte-empreinte 3570

Type	B x L = 396 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

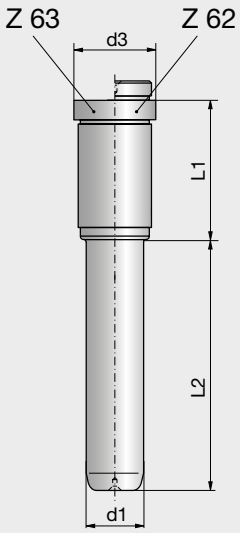
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

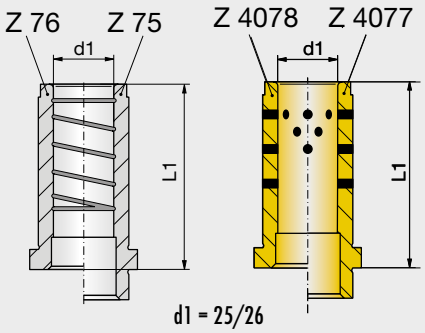
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

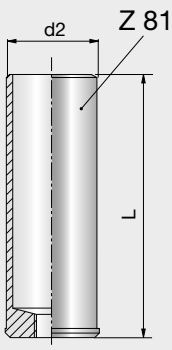
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26

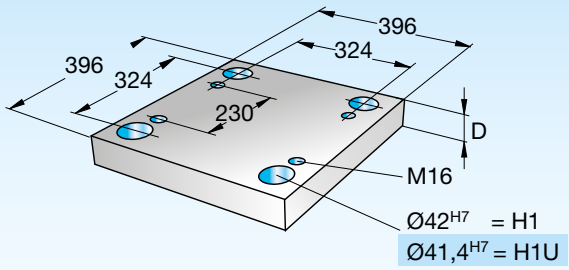


d2 = 34

D 3001 09.2017

1

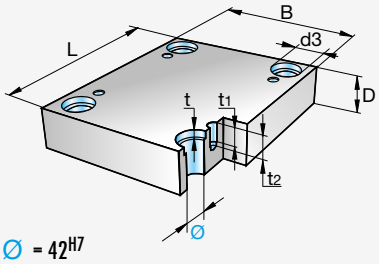
Formplatten 4040 | Cavity plates 4040 | Plaques porte-empreinte 4040

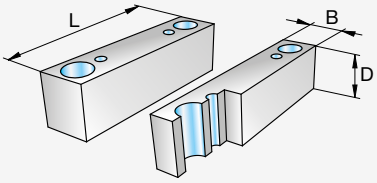


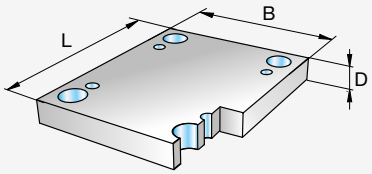
Standard

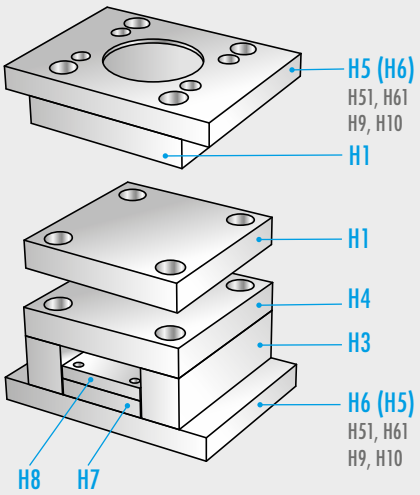
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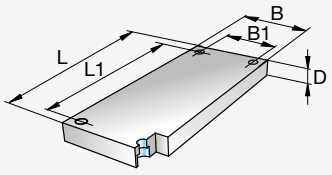
4040-Type-D-Mat.

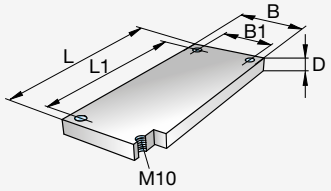
Type	B x L = 396 x 396	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	37	■			■	■	■	■	■
						47	■			■	■	■	■	■
						57	■			■	■	■	■	■
						67	■			■	■	■	■	■
						77	■			■	■	■	■	■
						97	■			■	■	■	■	■
						117	■			■	■	■	■	
						137	■			■	■	■	■	
						157	■			■	■	■	■	

Type	B x L = 62 x 396	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

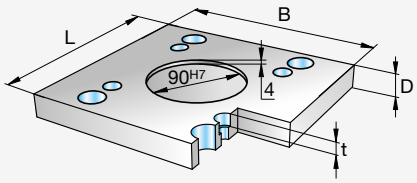
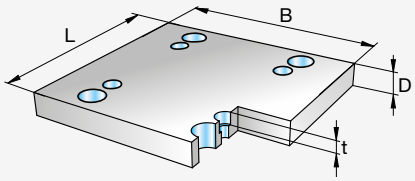
Type	B x L = 396 x 396	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		

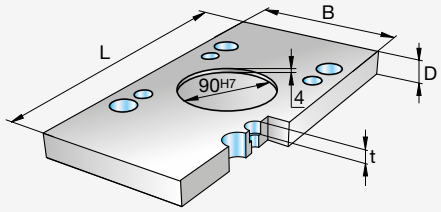
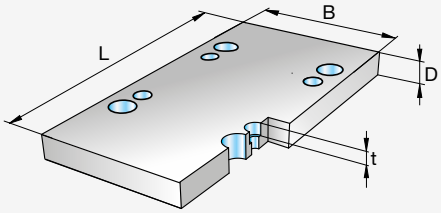


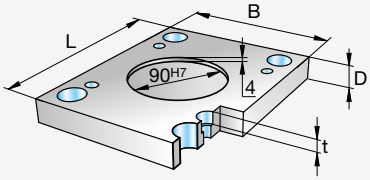
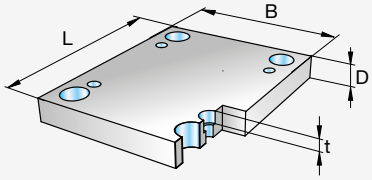
Type	B x L = 268 x 396 / B1 x L1 = 236 x 314	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 268 x 396 / B1 x L1 = 236 x 314	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

Formplatten 4040 | Cavity plates 4040 | Plaques porte-empreinte 4040

Type	B x L = 446 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

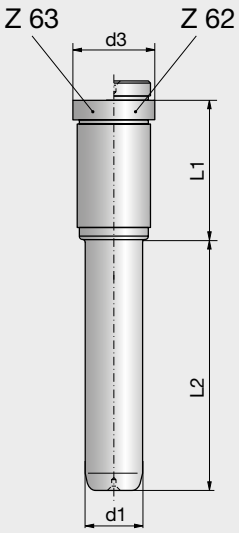
Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		17	37	■		■
			47	■		■
			57	■		■
H61		17	37	■		■
			47	■		■
			57	■		■

Type	B x L = 396 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

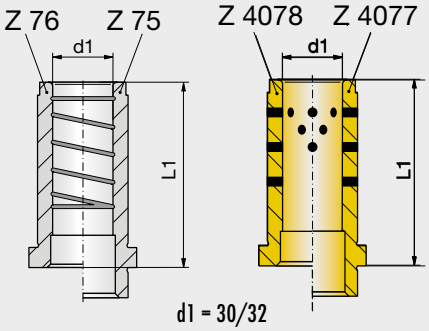
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

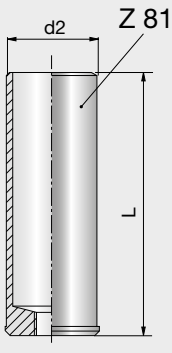
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

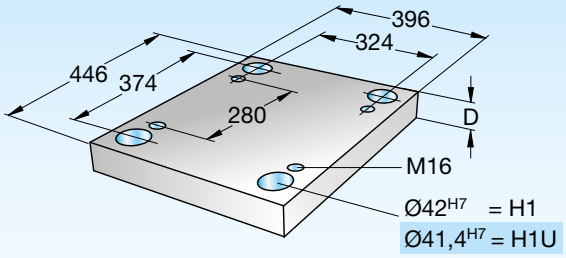


d2 = 42

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1

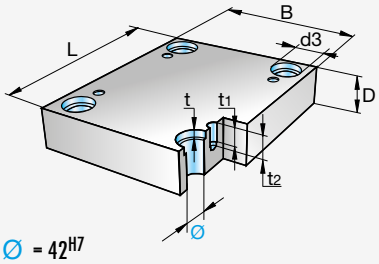
Formplatten 4045 | Cavity plates 4045 | Plaques porte-empreinte 4045

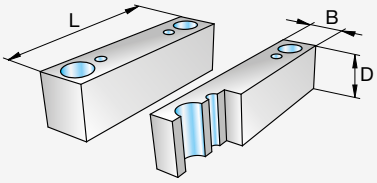


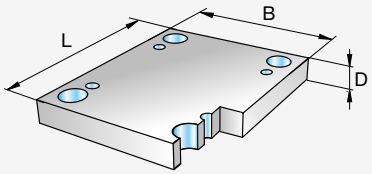
Standard

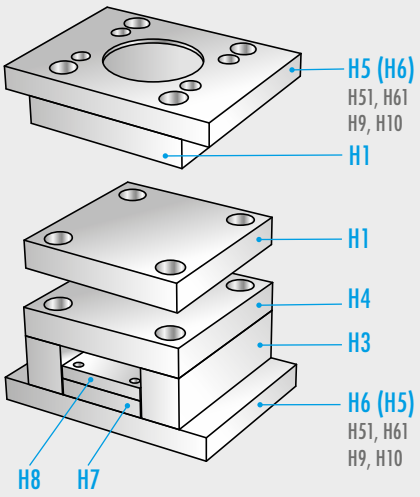
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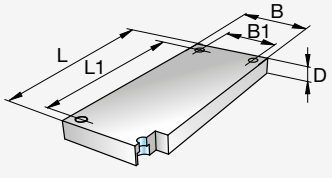
4045-Type-D-Mat.

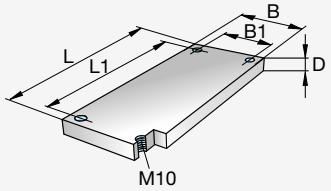
Type	B x L = 396 x 446	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	
						137	■			■	■	■	■	
						157	■			■	■	■	■	

Type	B x L = 62 x 446	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

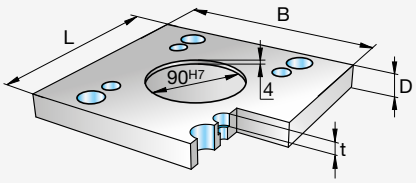
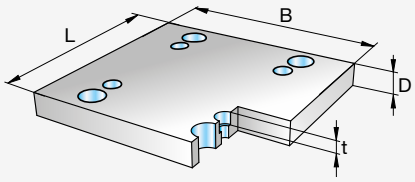
Type	B x L = 396 x 446	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



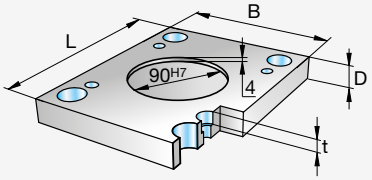
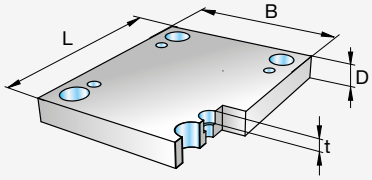
Type	B x L = 268 x 446 / B1 x L1 = 240 x 364	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 268 x 446 / B1 x L1 = 240 x 364	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

Formplatten 4045 | Cavity plates 4045 | Plaques porte-empreinte 4045

Type	B x L = 446 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

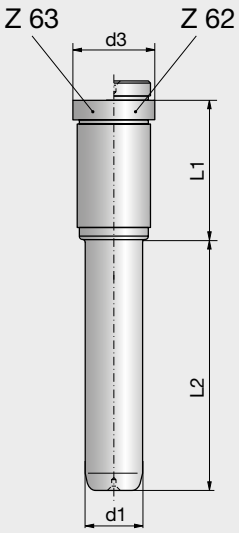
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

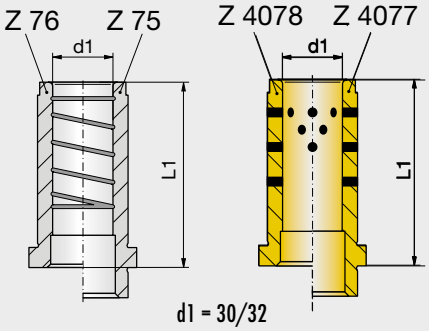
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

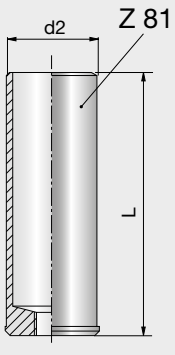
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

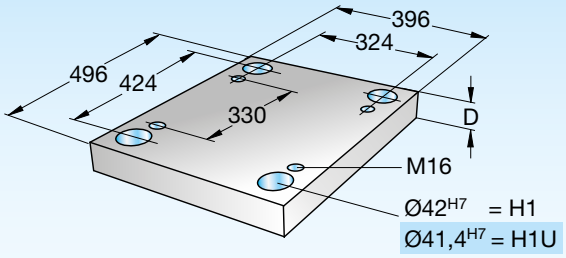


d2 = 42

D 3001 09.2017

1

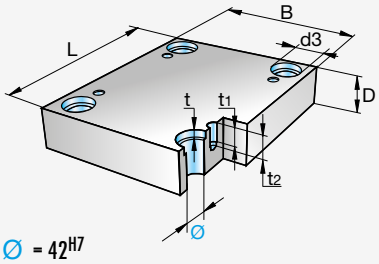
Formplatten 4050 | Cavity plates 4050 | Plaques porte-empreinte 4050

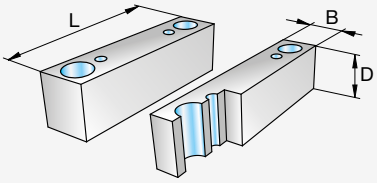


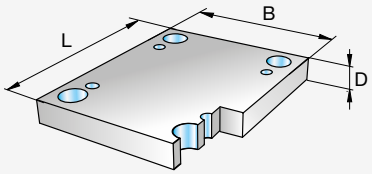
Standard

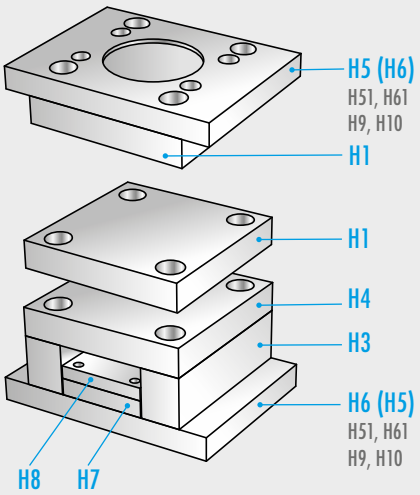
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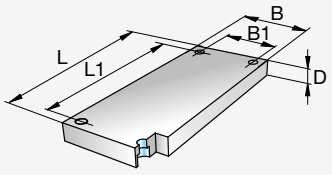
4050-Type-D-Mat.

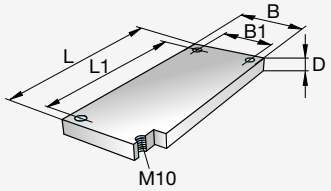
Type	B x L = 396 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	
						137	■			■	■	■	■	
						157	■			■	■	■	■	

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

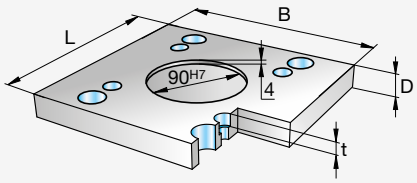
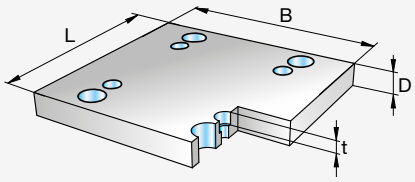
Type	B x L = 396 x 496	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



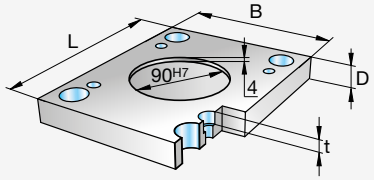
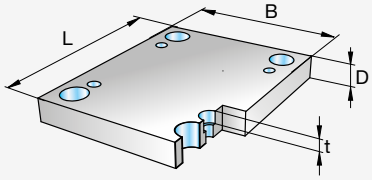
Type	B x L = 268 x 496 / B1 x L1 = 240 x 414	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 268 x 496 / B1 x L1 = 240 x 414	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

Formplatten 4050 | Cavity plates 4050 | Plaques porte-empreinte 4050

Type	B x L = 446 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

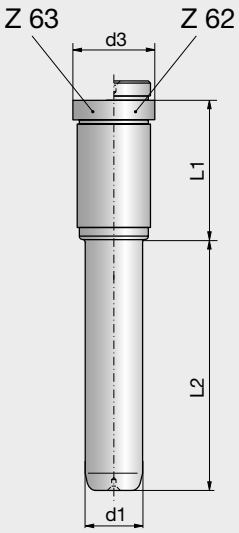
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

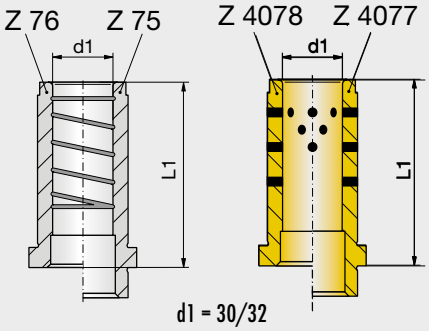
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

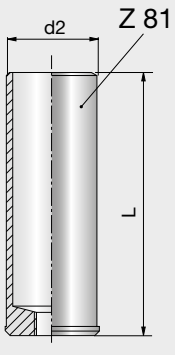
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

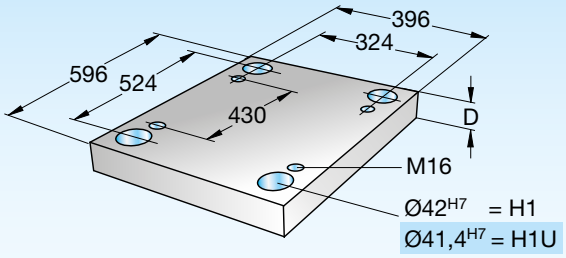


d2 = 42

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1

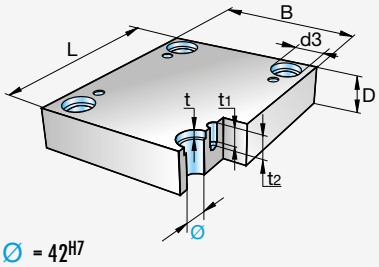
Formplatten 4060 | Cavity plates 4060 | Plaques porte-empreinte 4060



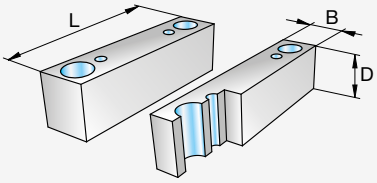
Standard

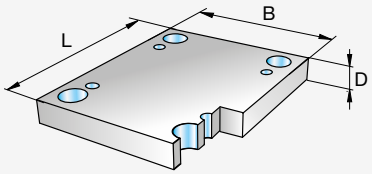
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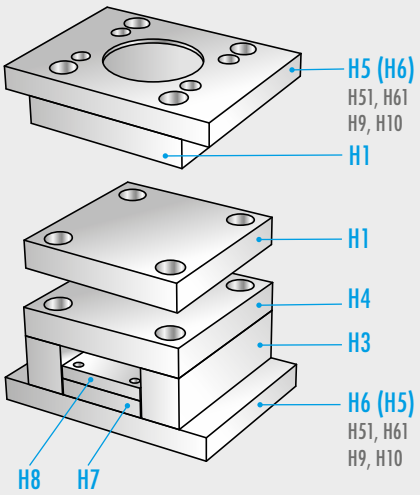
4060-Type-D-Mat.

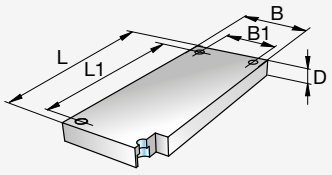
Type	B x L = 396 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	23	28	48	47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■	■	

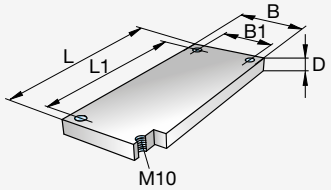
H1 Ø = 42H7
H1U Ø = 41,4H7

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 396 x 596	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



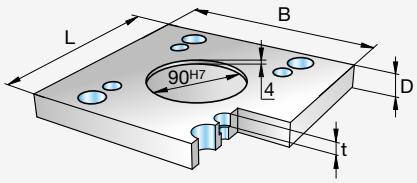
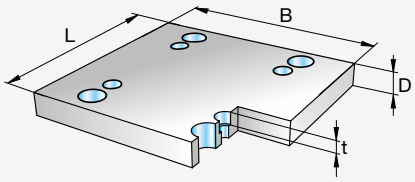
Type	B x L = 268 x 596 / B1 x L1 = 240 x 514	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 268 x 596 / B1 x L1 = 240 x 514	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

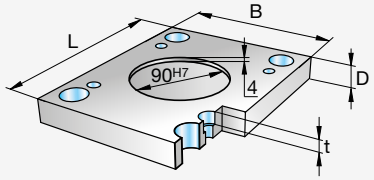
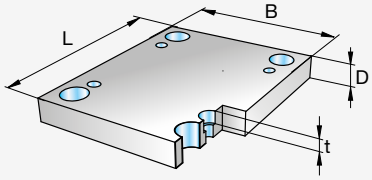
D 3001 09.2017

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Formplatten 4060 | Cavity plates 4060 | Plaques porte-empreinte 4060

Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

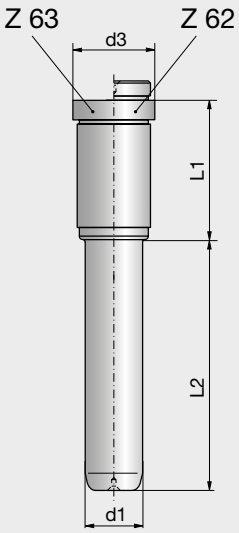
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

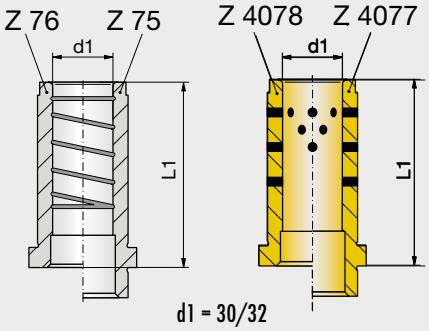
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

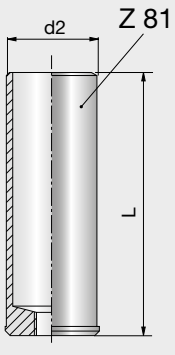
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

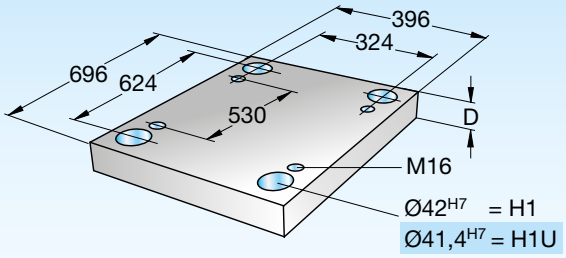


d2 = 42

D 3001 09.2017

1

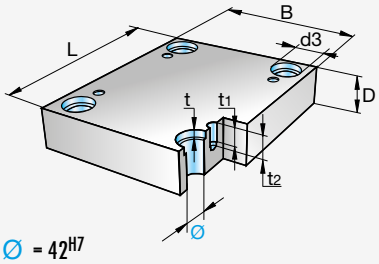
Formplatten 4070 | Cavity plates 4070 | Plaques porte-empreinte 4070

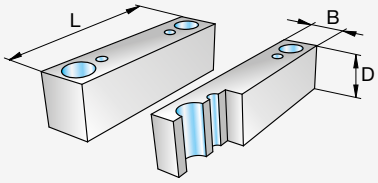


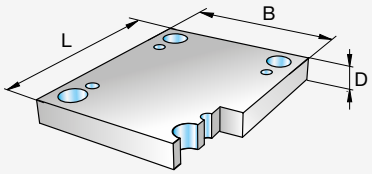
Standard

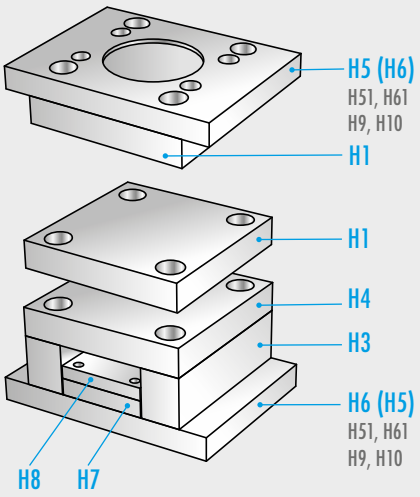
4070

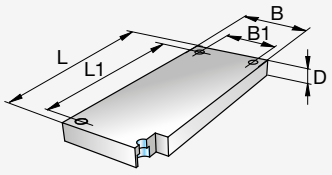
4070-Type-D-Mat.

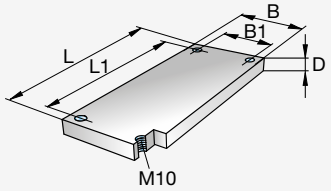
Type	B x L = 396 x 696	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

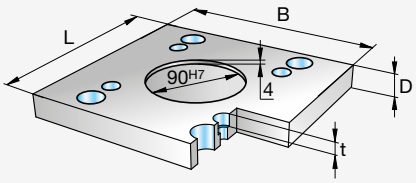
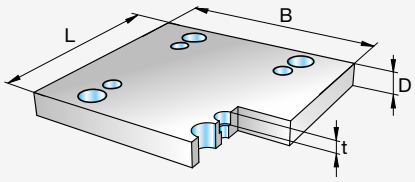
Type	B x L = 396 x 696	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



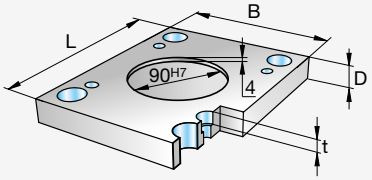
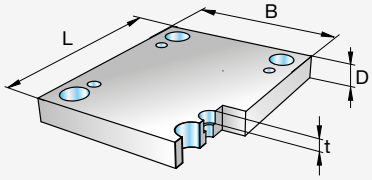
Type	B x L = 268 x 696 / B1 x L1 = 240 x 614	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 268 x 696 / B1 x L1 = 240 x 614	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

Formplatten 4070 | Cavity plates 4070 | Plaques porte-empreinte 4070

Type	B x L = 496 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

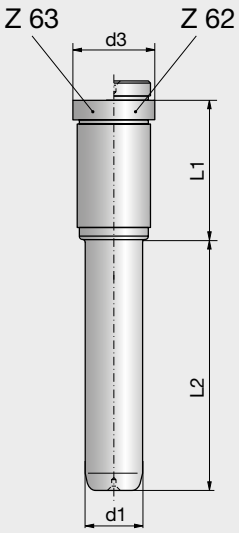
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

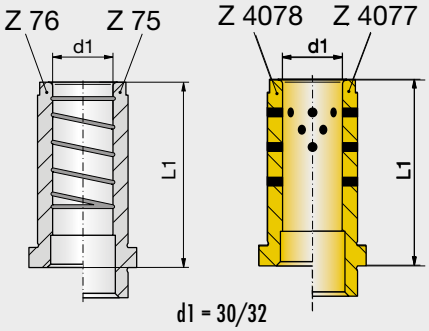
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

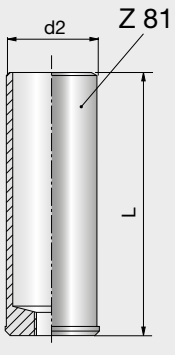
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

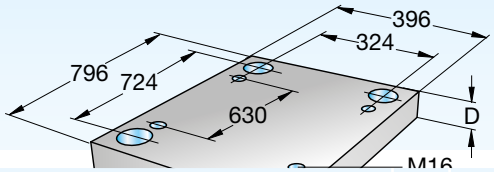


d2 = 42

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1

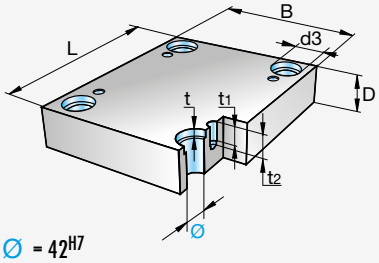
Formplatten 4080 | Cavity plates 4080 | Plaques porte-empreinte 4080

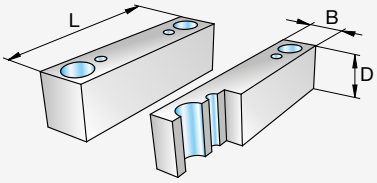


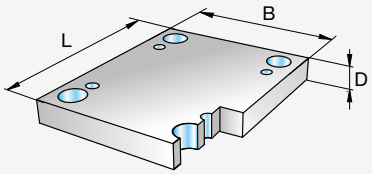
Standard

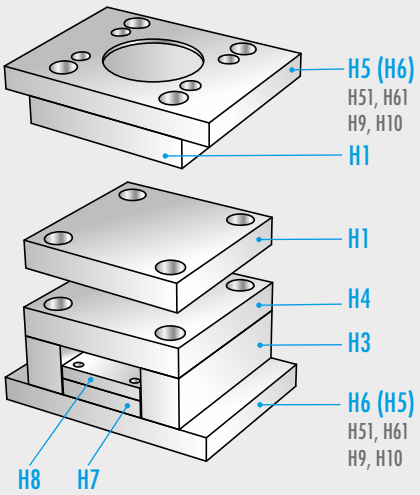
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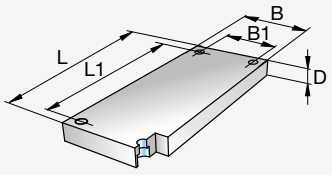
4080-Type-D-Mat.

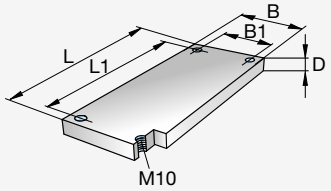
Type	B x L = 396 x 796	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42^{H7} H1U Ø = 41,4^{H7}	8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 396 x 796	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		

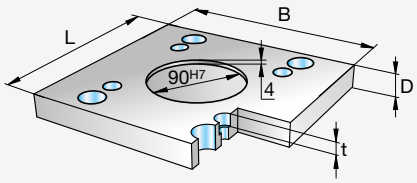
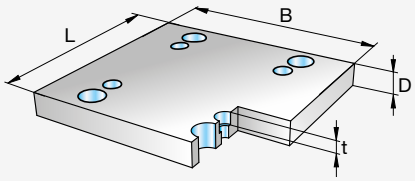


Type	B x L = 268 x 796 / B1 x L1 = 236 x 714	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

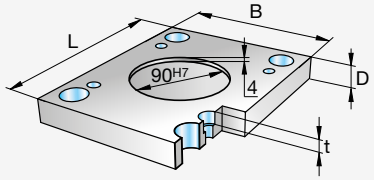
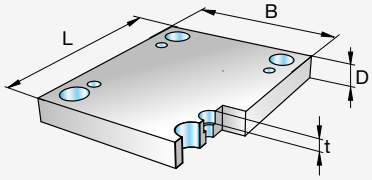
Type	B x L = 268 x 796 / B1 x L1 = 236 x 714	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

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Formplatten 4080 | Cavity plates 4080 | Plaques porte-empreinte 4080

Type	B x L = 496 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	37	■		■
			47	■		■
			57	■		■
H6		17	37	■		■
			47	■		■
			57	■		■

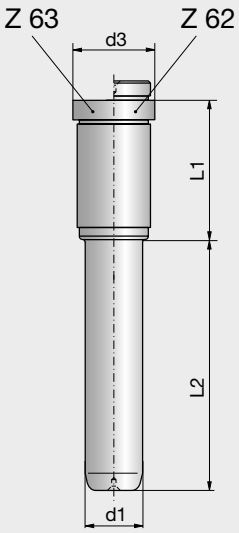
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	37	■		■
			47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

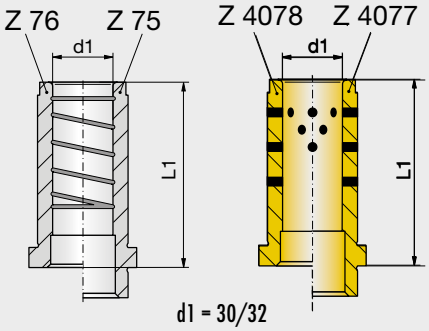
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

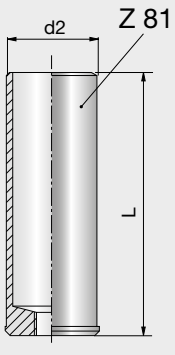
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

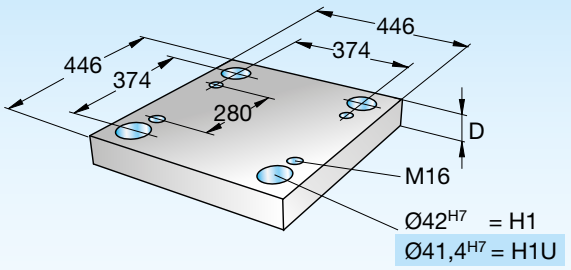


d2 = 42

D 3001 09.2017

1

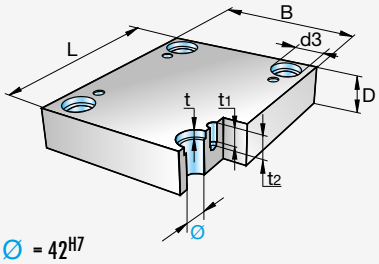
Formplatten 4545 | Cavity plates 4545 | Plaques porte-empreinte 4545

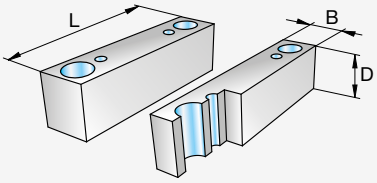


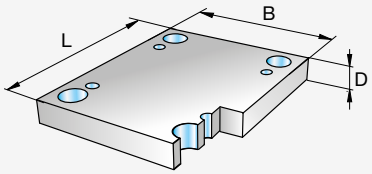
Standard

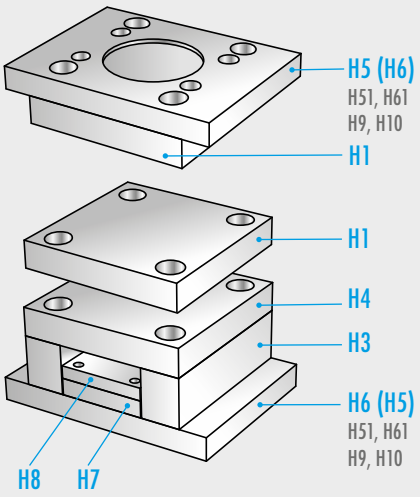
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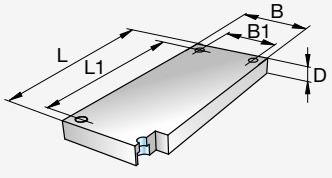
4545-Type-D-Mat.

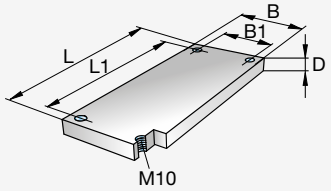
Type	B x L = 446 x 446	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	37	■			■	■	■	■	
						47	■			■	■	■	■	
						57	■			■	■	■	■	
						67	■			■	■	■	■	
						77	■			■	■	■	■	
						97	■			■	■	■	■	
						117	■			■	■	■	■	
						137	■			■	■	■	■	
						157	■			■	■	■	■	

Type	B x L = 62 x 446	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 446 x 446	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



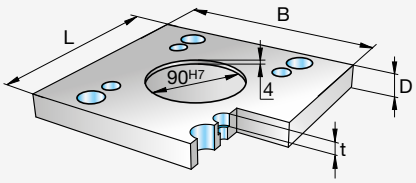
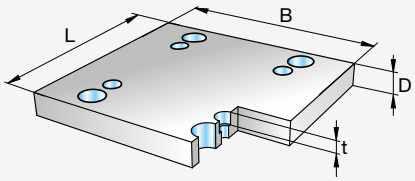
Type	B x L = 317 x 446 / B1 x L1 = 293 x 422	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 317 x 446 / B1 x L1 = 293 x 422	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

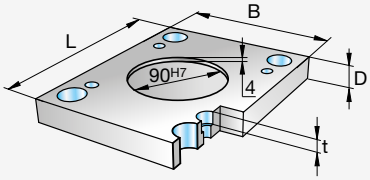
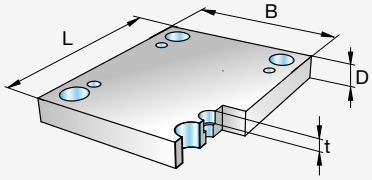
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Formplatten 4545 | Cavity plates 4545 | Plaques porte-empreinte 4545

Type	B x L = 496 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

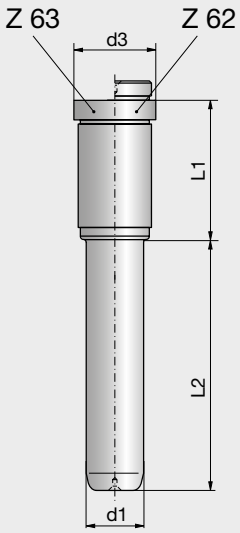
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

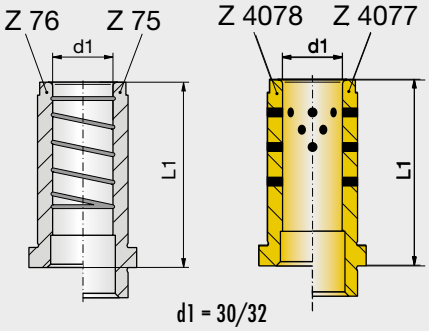
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

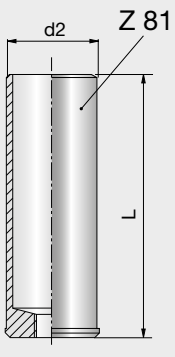
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

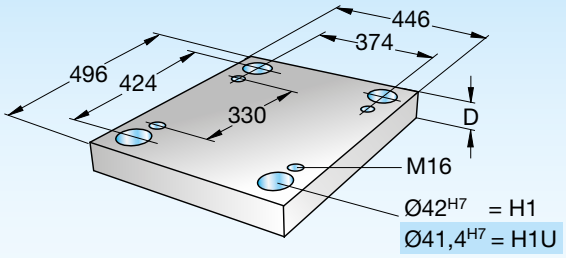


d2 = 42

D 3001 09.2017

1

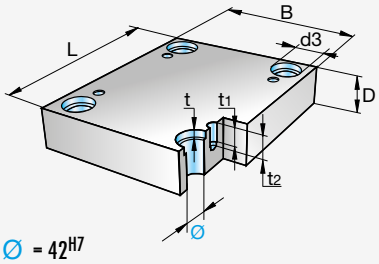
Formplatten 4550 | Cavity plates 4550 | Plaques porte-empreinte 4550

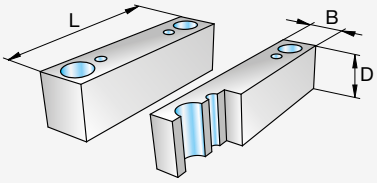


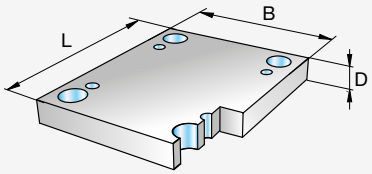
Standard

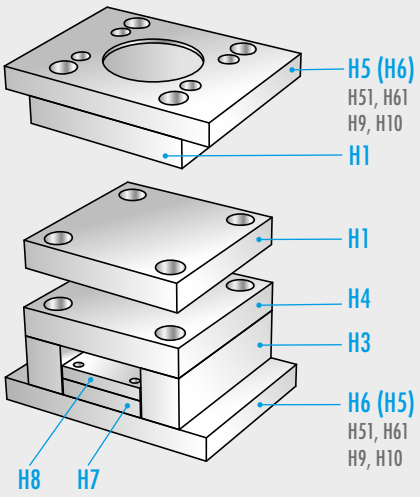
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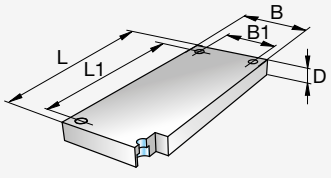
4550-Type-D-Mat.

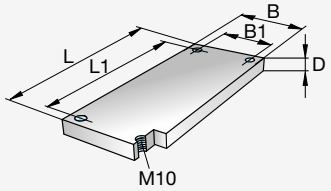
Type	B x L = 446 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	37	■				■	■	■	
						47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■	■	

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 446 x 496	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



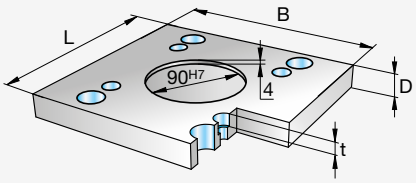
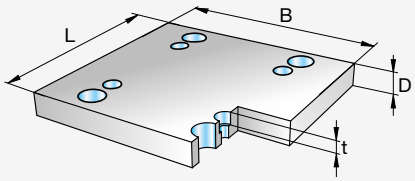
Type	B x L = 317 x 496 / B1 x L1 = 293 x 472	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 317 x 496 / B1 x L1 = 293 x 472	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

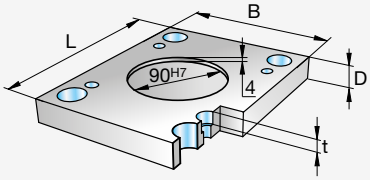
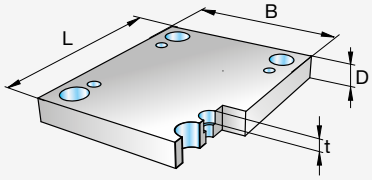
D 3001 09.2017

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Formplatten 4550 | Cavity plates 4550 | Plaques porte-empreinte 4550

Type	B x L = 496 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

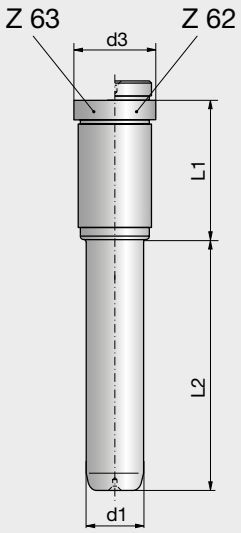
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

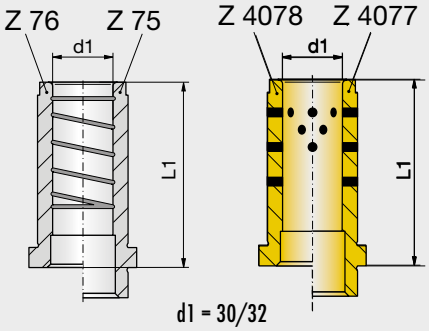
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

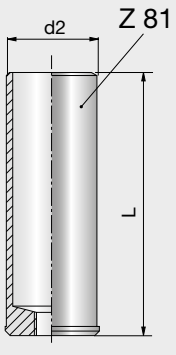
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

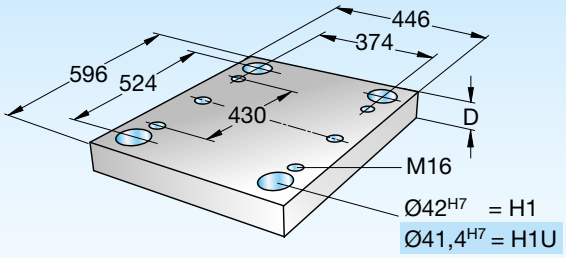


d2 = 42

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1

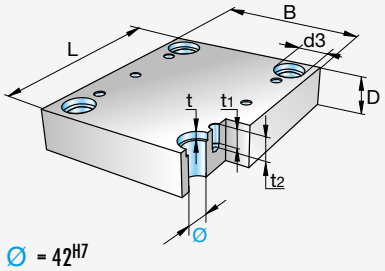
Formplatten 4560 | Cavity plates 4560 | Plaques porte-empreinte 4560

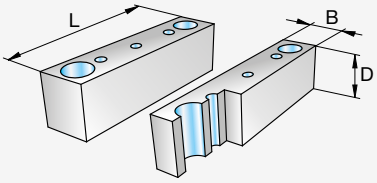


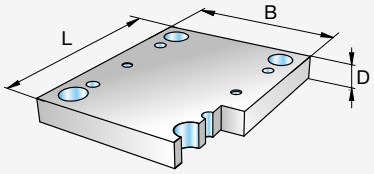
Standard

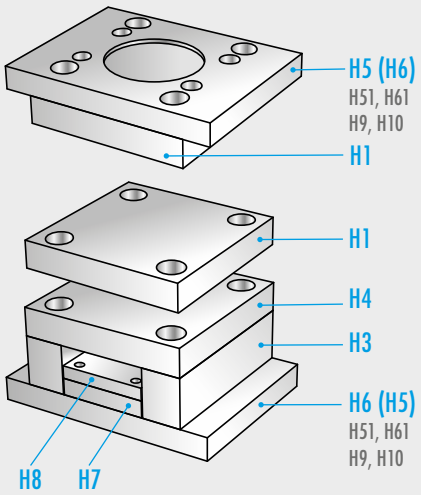
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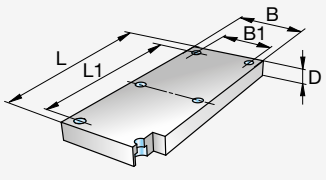
4560-Type-D-Mat.

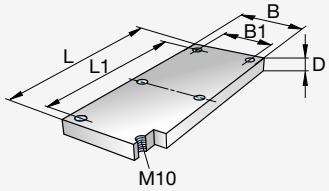
Type	B x L = 446 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 446 x 596	D	Mat. 1730	2085	2312
H4		37	■		
		47	■		
		57	■		



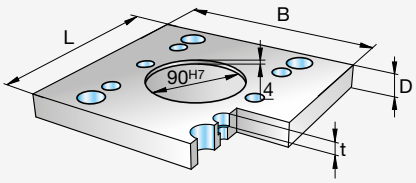
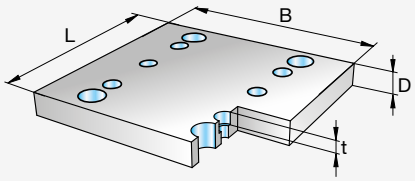
Type	B x L = 317 x 596 / B1 x L1 = 293 x 572	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 317 x 596 / B1 x L1 = 293 x 572	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

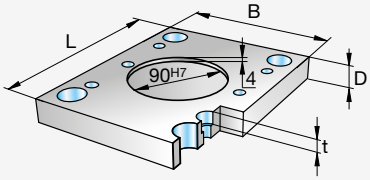
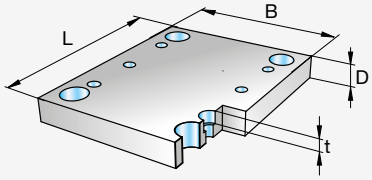
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Formplatten 4560 | Cavity plates 4560 | Plaques porte-empreinte 4560

Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

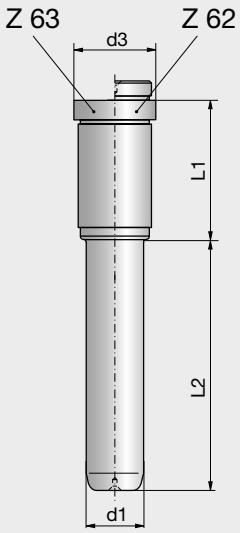
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	37	■		■
			47	■		■
			57	■		■

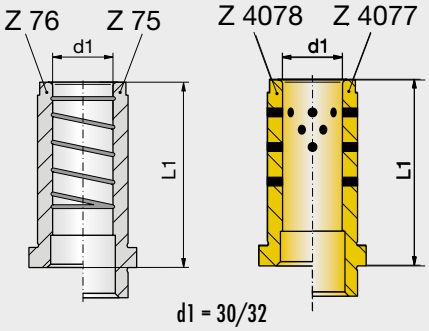
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

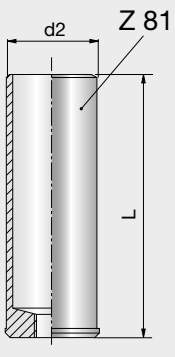
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

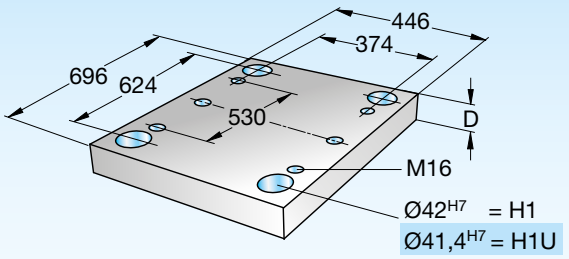


d2 = 42

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1

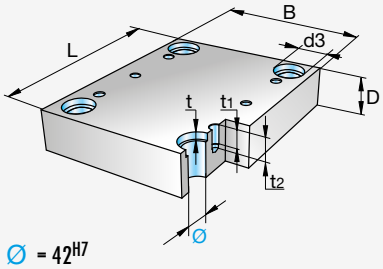
Formplatten 4570 | Cavity plates 4570 | Plaques porte-empreinte 4570



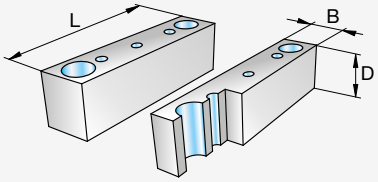
Standard

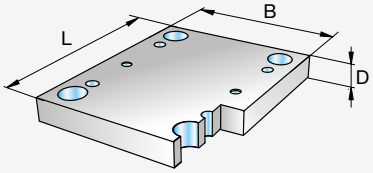
4570

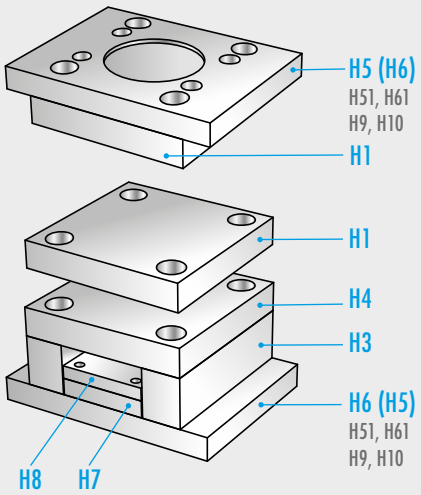
4570-Type-D-Mat.

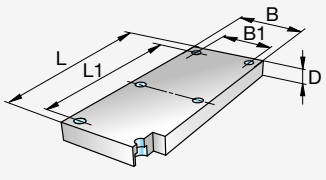
Type	B x L = 446 x 696	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		

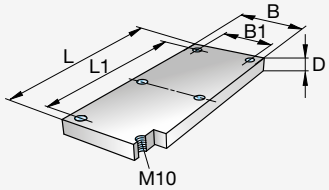
H1 Ø = 42H7
H1U Ø = 41,4H7

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 446 x 696	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



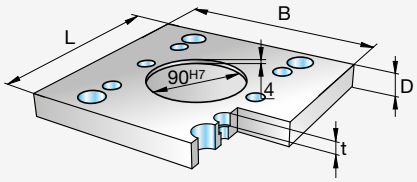
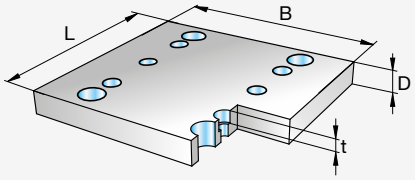
Type	B x L = 317 x 696 / B1 x L1 = 293 x 672	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 317 x 696 / B1 x L1 = 293 x 672	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

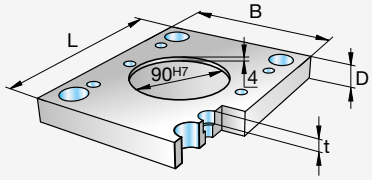
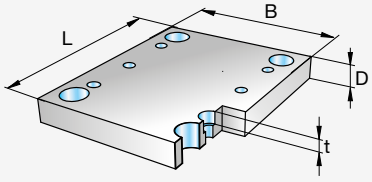
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Formplatten 4570 | Cavity plates 4570 | Plaques porte-empreinte 4570

Type	B x L = 496 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

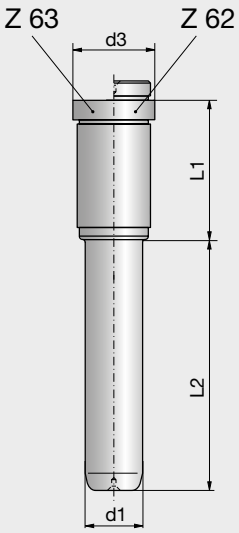
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

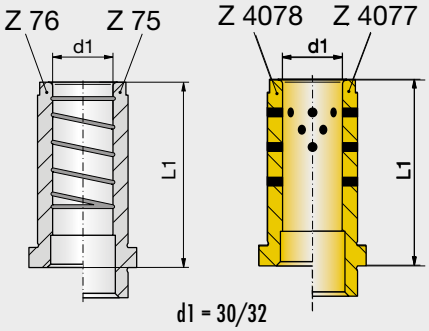
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

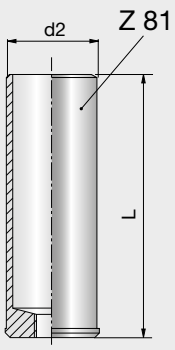
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

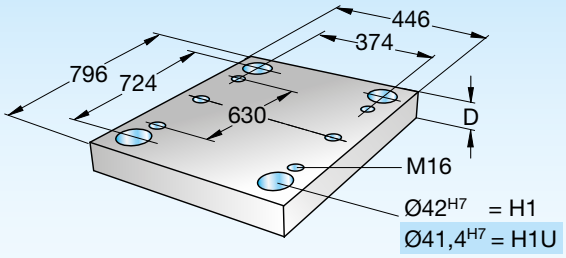


d2 = 42

D 3001 09.2017

1

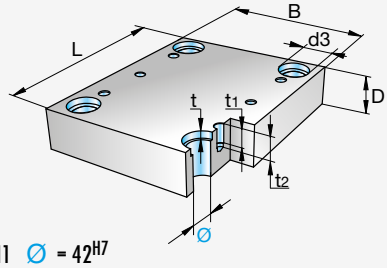
Formplatten 4580 | Cavity plates 4580 | Plaques porte-empreinte 4580

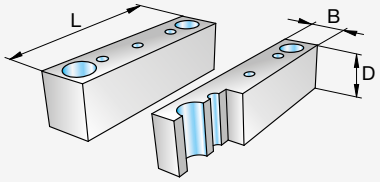


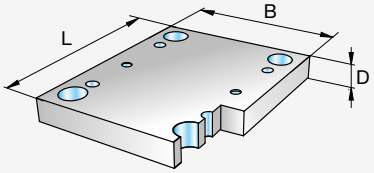
Standard

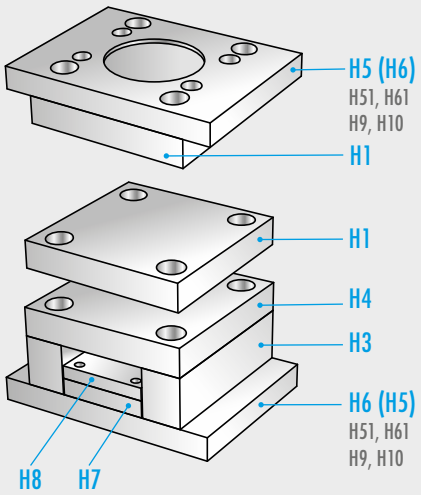
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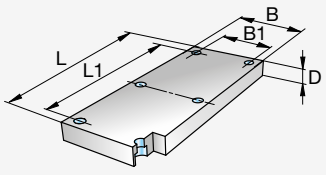
4580-Type-D-Mat.

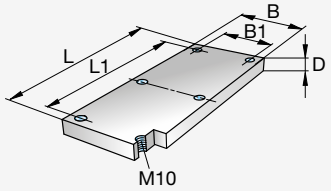
Type	B x L = 446 x 796	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 446 x 796	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



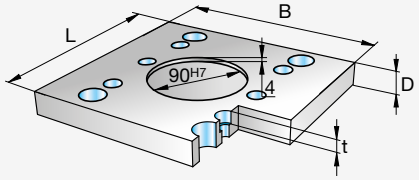
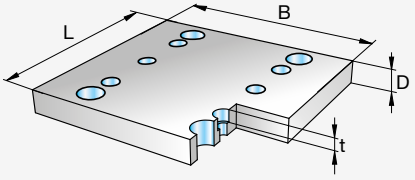
Type	B x L = 317 x 796 / B1 x L1 = 293 x 772	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 317 x 796 / B1 x L1 = 293 x 772	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

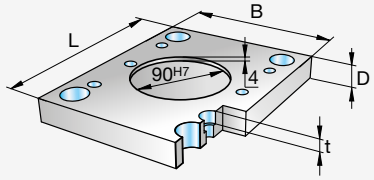
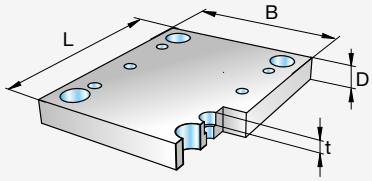
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Formplatten 4580 | Cavity plates 4580 | Plaques porte-empreinte 4580

Type	B x L = 496 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

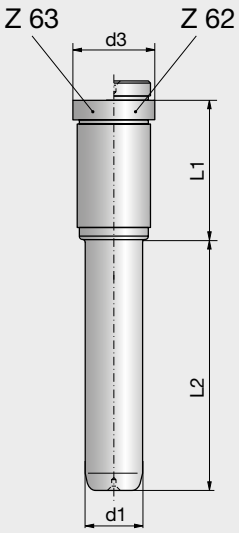
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

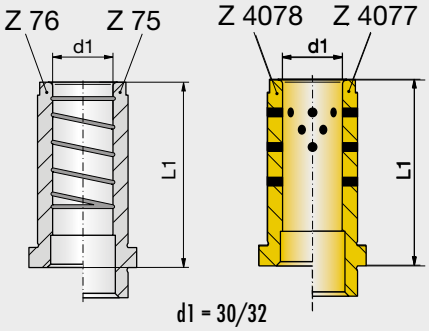
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

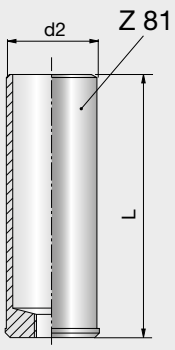
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

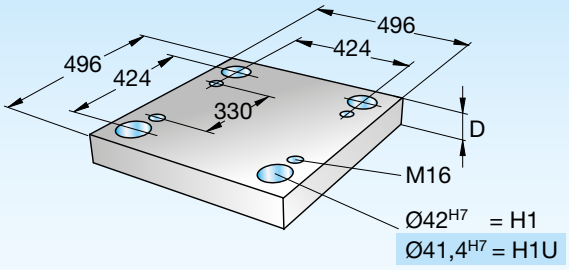


d2 = 42

D 3001 09.2017

1

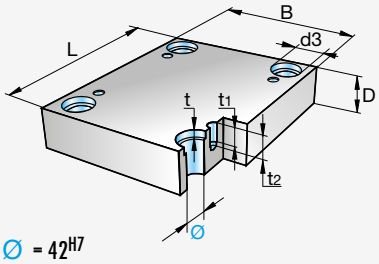
Formplatten 5050 | Cavity plates 5050 | Plaques porte-empreinte 5050

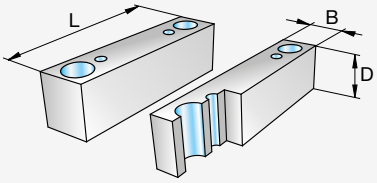


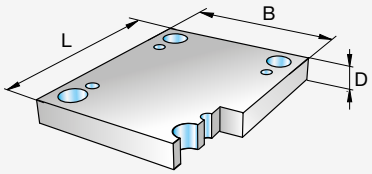
Standard

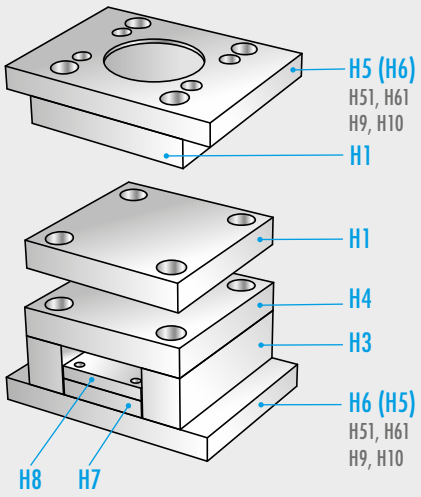
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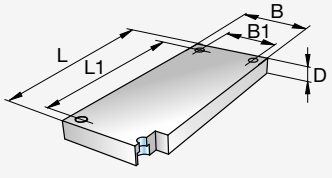
5050-Type-D-Mat.

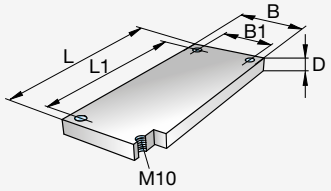
Type	B x L = 496 x 496	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■		
						177	■				■	■		

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 496 x 496	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



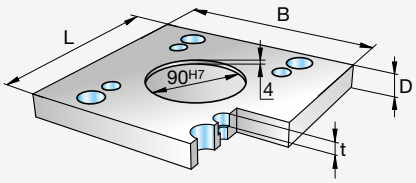
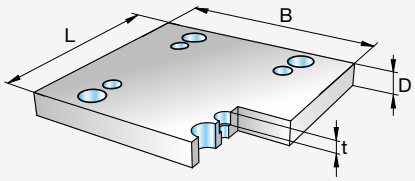
Type	B x L = 367 x 496 / B1 x L1 = 343 x 472	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 367 x 496 / B1 x L1 = 343 x 472	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

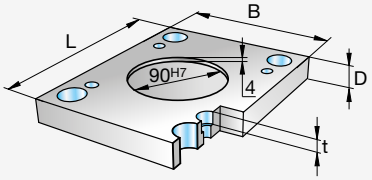
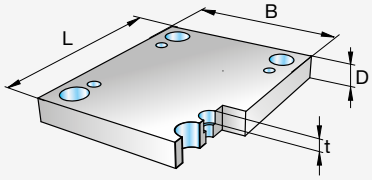
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Formplatten 5050 | Cavity plates 5050 | Plaques porte-empreinte 5050

Type	B x L = 546 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

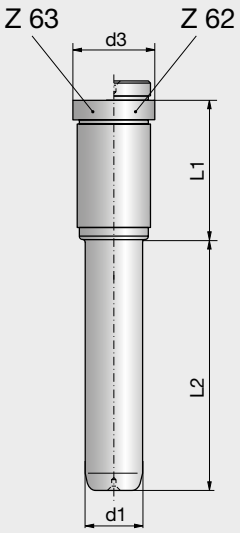
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L =496 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

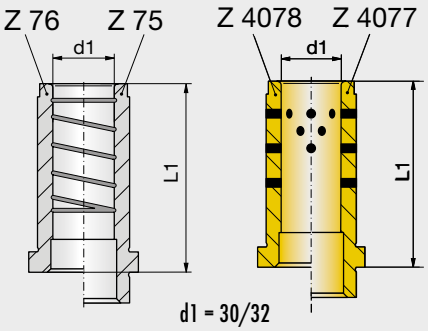
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

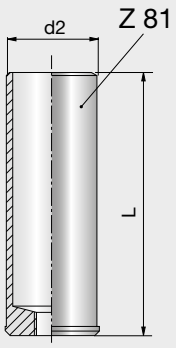
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

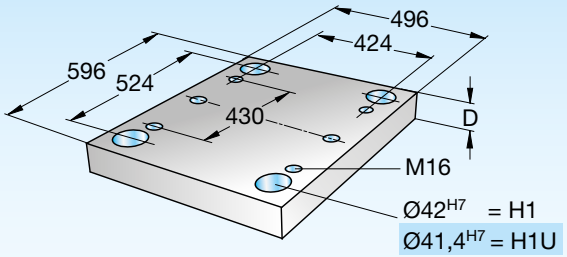


d2 = 42

D 3001 09.2017

1

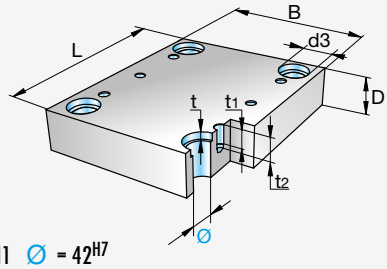
Formplatten 5060 | Cavity plates 5060 | Plaques porte-empreinte 5060

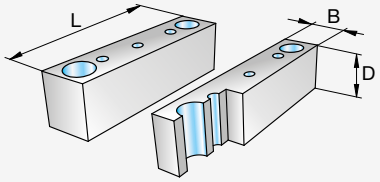


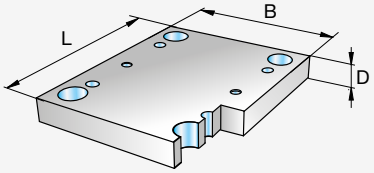
Standard

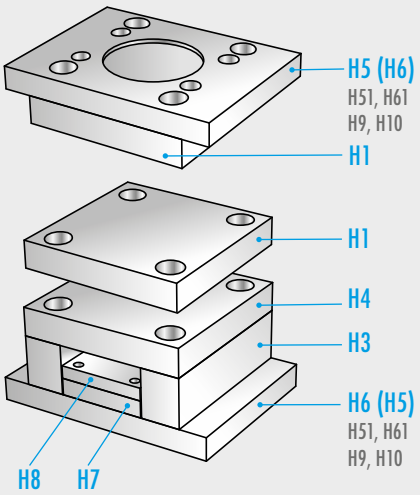
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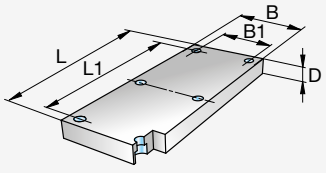
5060-Type-D-Mat.

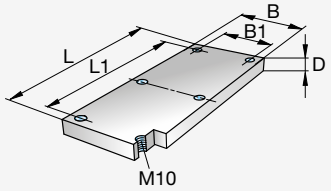
Type	B x L = 496 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■		
						177	■				■	■		

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 496 x 596	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



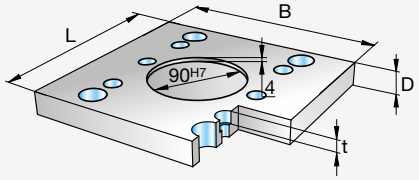
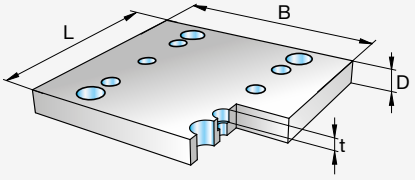
Type	B x L = 367 x 596 / B1 x L1 = 343 x 572	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 367 x 596 / B1 x L1 = 343 x 572	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

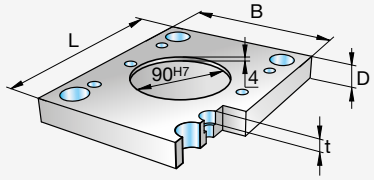
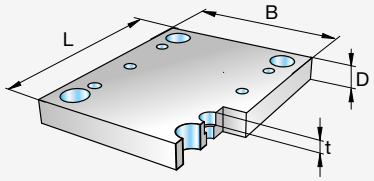
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Formplatten 5060 | Cavity plates 5060 | Plaques porte-empreinte 5060

Type	B x L = 546 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

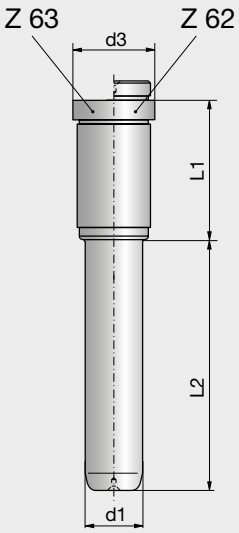
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

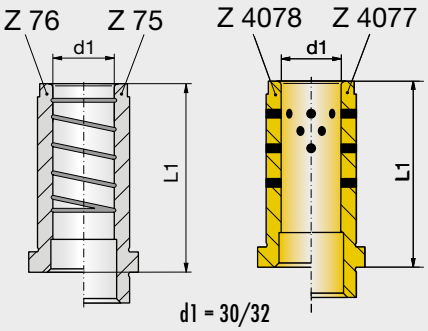
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

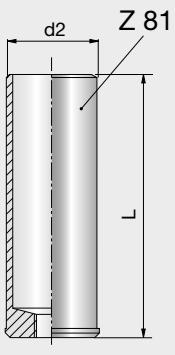
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

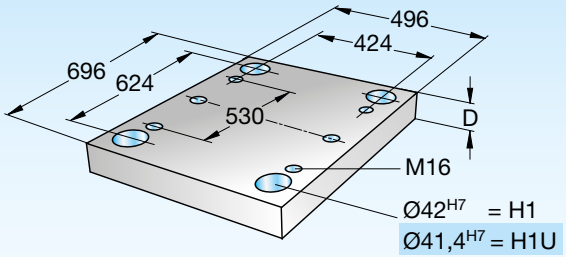


d2 = 42

D 3001 09.2017

1

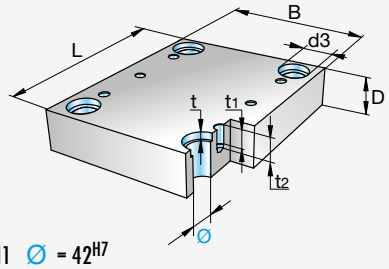
Formplatten 5070 | Cavity plates 5070 | Plaques porte-empreinte 5070

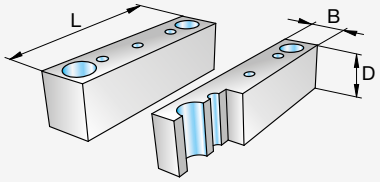


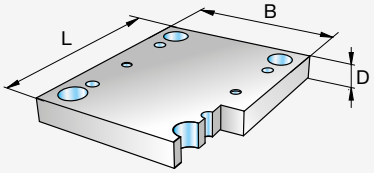
Standard

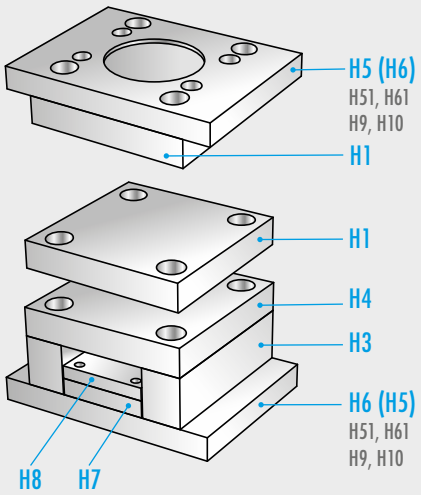
5070

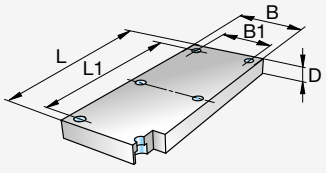
5070-Type-D-Mat.

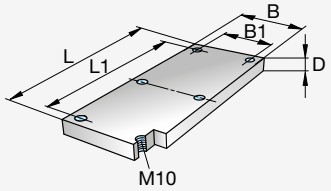
Type	B x L = 496 x 696	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 42H7 H1U Ø = 41,4H7	8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		
						177	■				■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

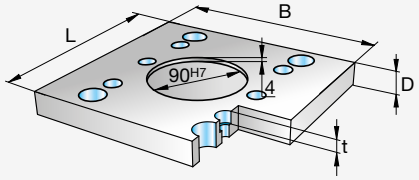
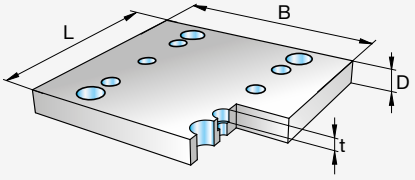
Type	B x L = 496 x 696	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



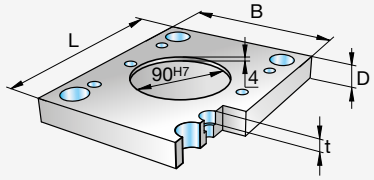
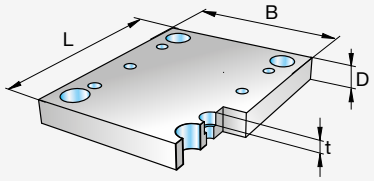
Type	B x L = 367 x 696 / B1 x L1 = 343 x 672	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 367 x 696 / B1 x L1 = 343 x 672	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

Formplatten 5070 | Cavity plates 5070 | Plaques porte-empreinte 5070

Type	B x L = 546 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

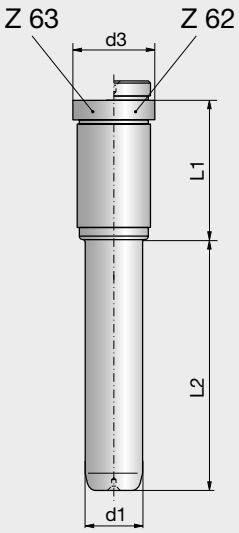
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

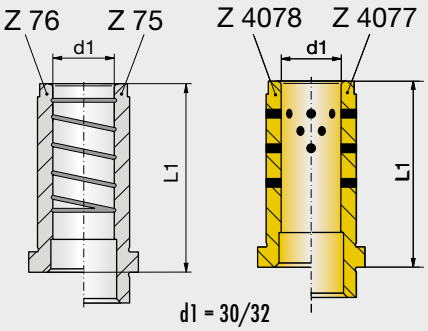
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

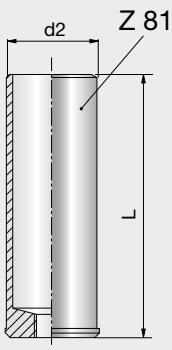
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

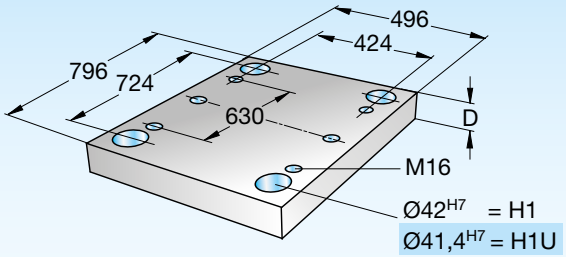


d2 = 42

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1

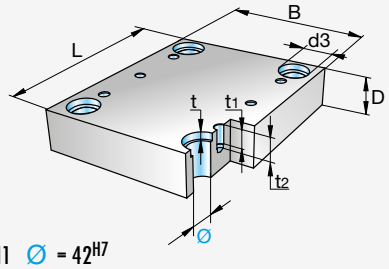
Formplatten 5080 | Cavity plates 5080 | Plaques porte-empreinte 5080



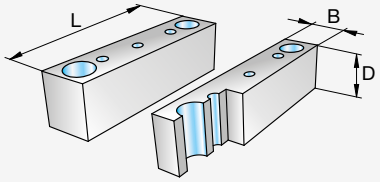
Standard

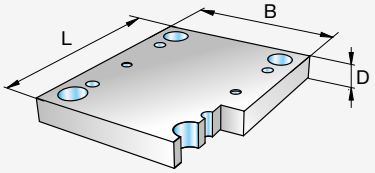
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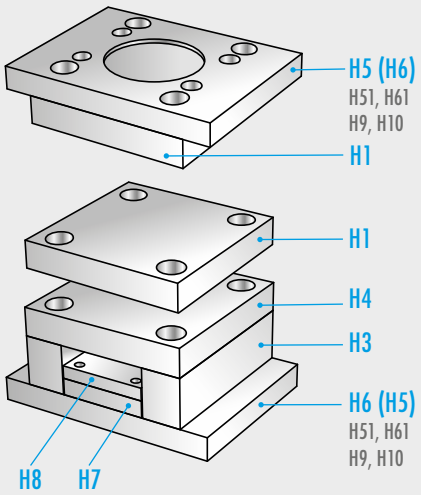
5080-Type-D-Mat.

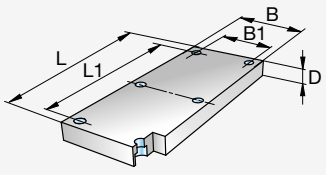
Type	B x L = 496 x 796	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U		8,2	23	28	48	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		
						177	■				■	■		

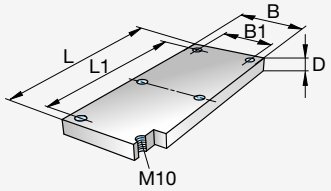
H1 Ø = 42H7
H1U Ø = 41,4H7

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 496 x 796	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



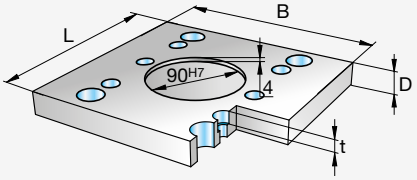
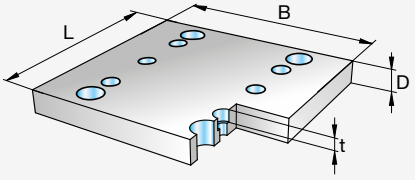
Type	B x L = 367 x 796 / B1 x L1 = 343 x 772	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 367 x 796 / B1 x L1 = 343 x 772	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

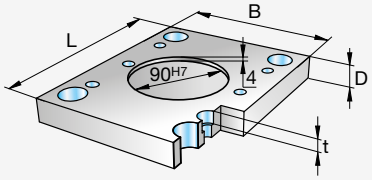
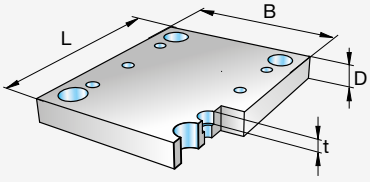
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Formplatten 5080 | Cavity plates 5080 | Plaques porte-empreinte 5080

Type	B x L = 546 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		17	47	■		■
			57	■		■
H6		17	47	■		■
			57	■		■

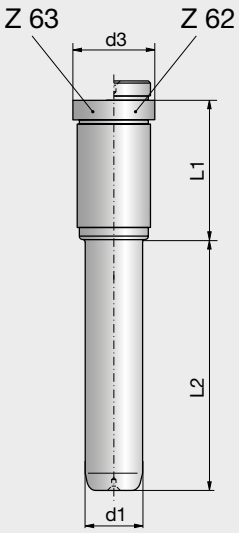
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		17	47	■		■
			57	■		■
H10		17	47	■		■
			57	■		■

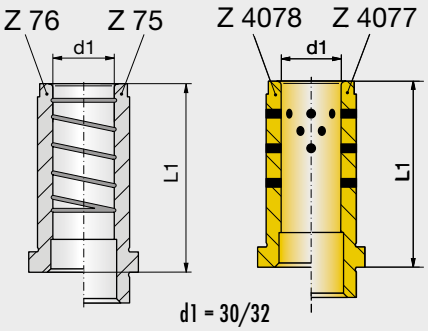
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

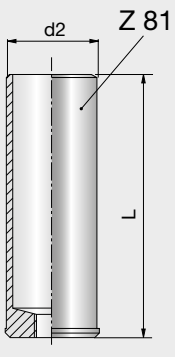
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 30/32



d1 = 30/32

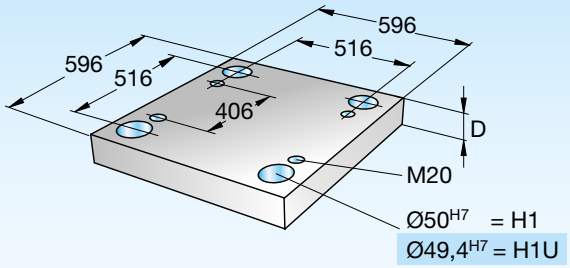


d2 = 42

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1

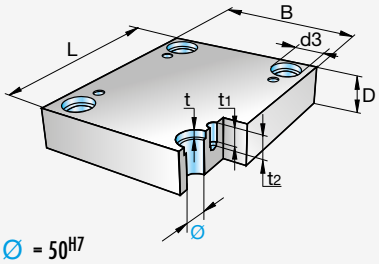
Formplatten 6060 | Cavity plates 6060 | Plaques porte-empreinte 6060

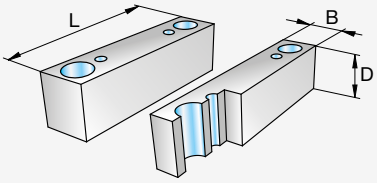


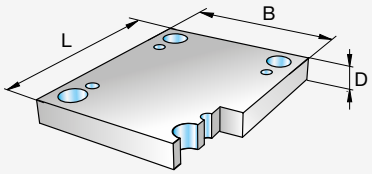
Standard

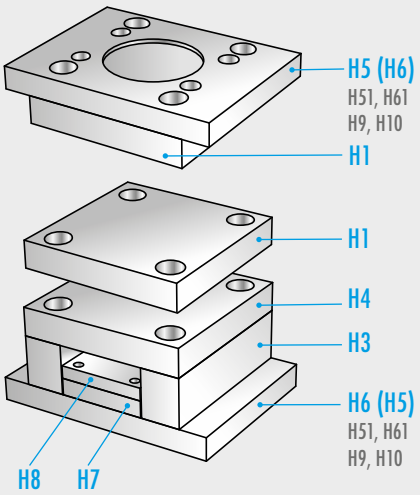
6060

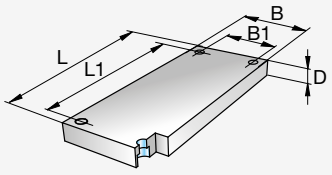
6060-Type-D-Mat.

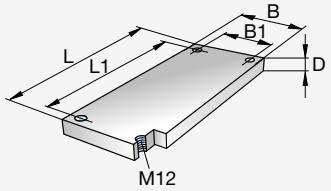
Type	B x L = 596 x 596	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 50H7 H1U Ø = 49,4H7	8,2	24	31	56	47	■				■	■	■	
						57	■				■	■	■	
						67	■				■	■	■	
						77	■				■	■	■	
						97	■				■	■	■	
						117	■				■	■	■	
						137	■				■	■	■	
						157	■				■	■		
						177	■				■	■		

Type	B x L = 68 x 596	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 596 x 596	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



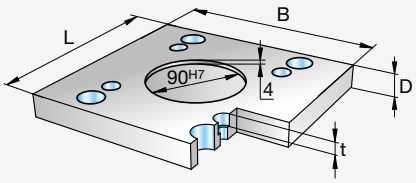
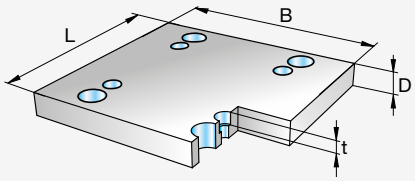
Type	B x L = 455 x 596 / B1 x L1 = 425 x 566	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 455 x 596 / B1 x L1 = 425 x 566	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

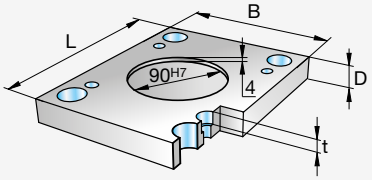
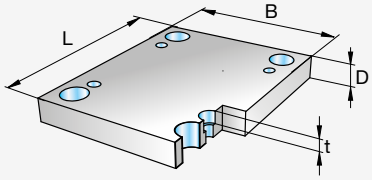
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Formplatten 6060 | Cavity plates 6060 | Plaques porte-empreinte 6060

Type	B x L = 646 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		22	47	■		■
			57	■		■
H6		22	47	■		■
			57	■		■

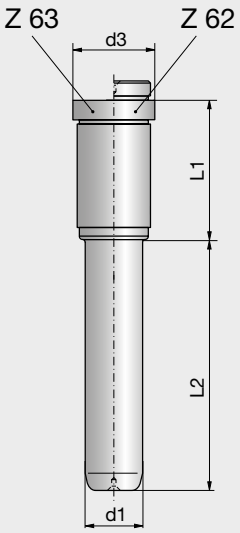
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		22	47	■		■
			57	■		■
H10		22	47	■		■
			57	■		■

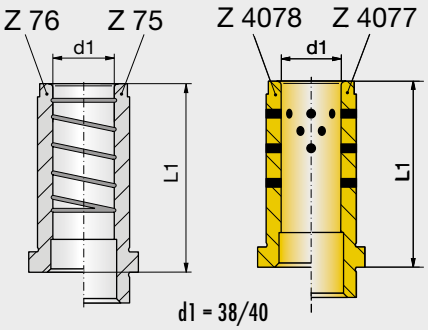
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

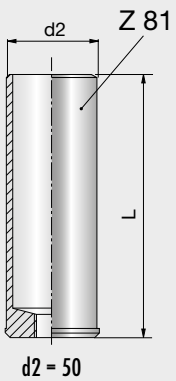
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 38/40



d1 = 38/40

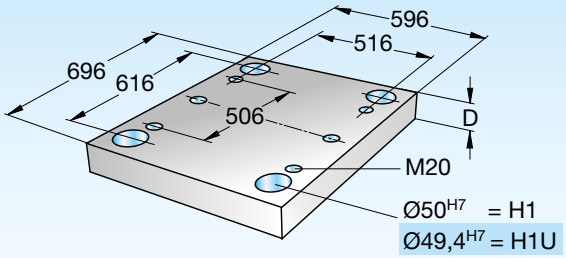


d2 = 50

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1

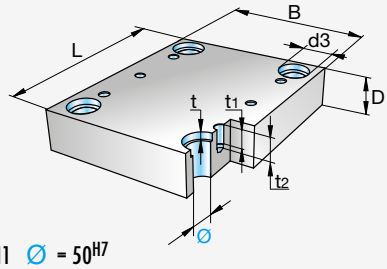
Formplatten 6070 | Cavity plates 6070 | Plaques porte-empreinte 6070

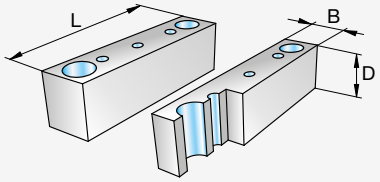


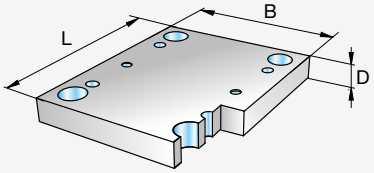
Standard

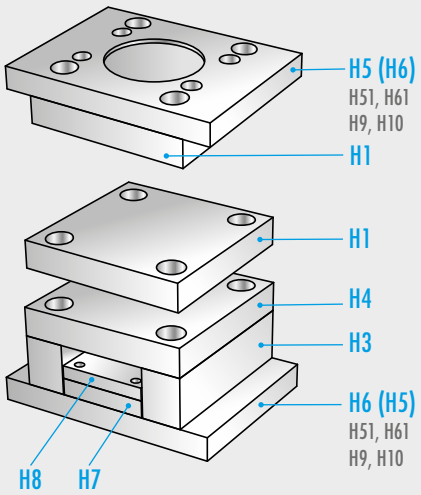
6070

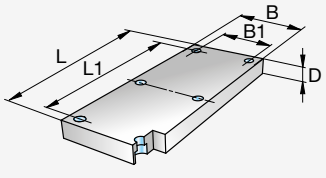
6070-Type-D-Mat.

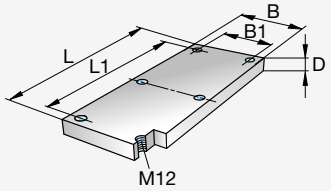
Type	B x L = 596 x 696	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 50H7 H1U Ø = 49,4H7	8,2	24	31	56	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		
						177	■				■	■		

Type	B x L = 68 x 696	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 596 x 696	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



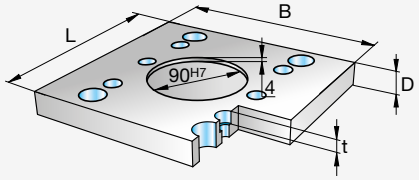
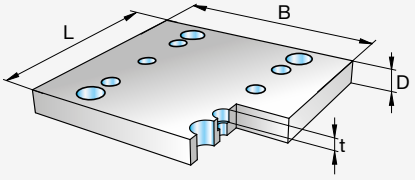
Type	B x L = 455 x 696 / B1 x L1 = 425 x 666	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 455 x 696 / B1 x L1 = 425 x 666	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

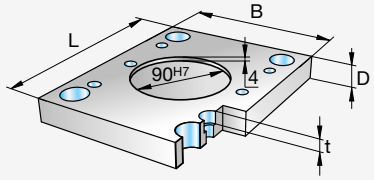
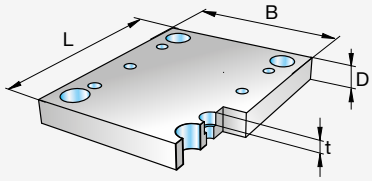
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Formplatten 6070 | Cavity plates 6070 | Plaques porte-empreinte 6070

Type	B x L = 646 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		22	47	■		■
			57	■		■
H6		22	47	■		■
			57	■		■

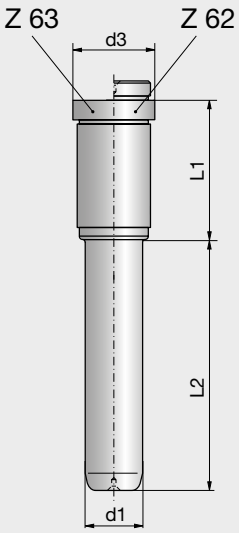
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		22	47	■		■
			57	■		■
H10		22	47	■		■
			57	■		■

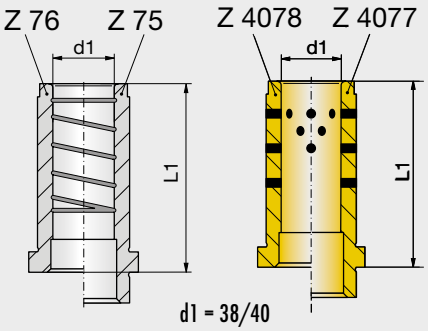
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

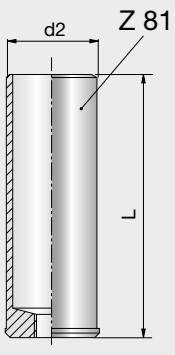
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 38/40



d1 = 38/40

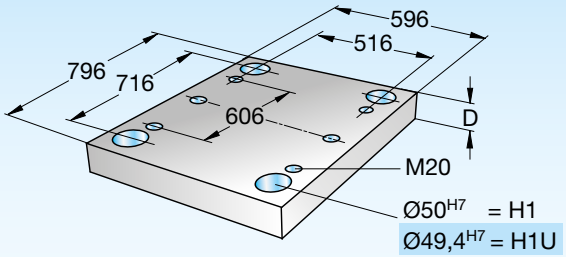


d2 = 50

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1

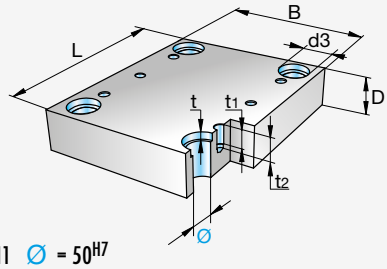
Formplatten 6080 | Cavity plates 6080 | Plaques porte-empreinte 6080

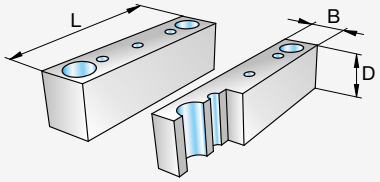


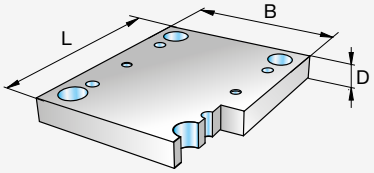
Standard

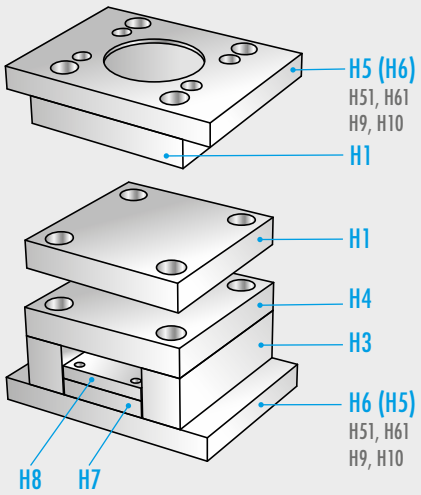
6080

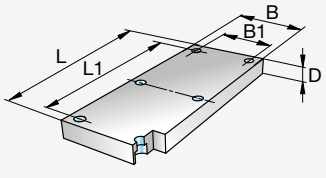
6080-Type-D-Mat.

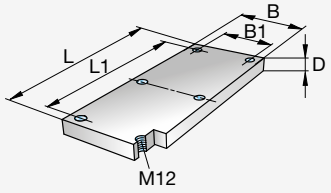
Type	B x L = 596 x 796	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 50H7 H1U Ø = 49,4H7	8,2	24	31	56	47	■				■	■		
						57	■				■	■		
						67	■				■	■		
						77	■				■	■		
						97	■				■	■		
						117	■				■	■		
						137	■				■	■		
						157	■				■	■		
						177	■				■	■		

Type	B x L = 68 x 796	D	Mat. 1730	2085	2312
H3		57	■		
		77	■		
		97	■		
		117	■		
		137	■		

Type	B x L = 596 x 796	D	Mat. 1730	2085	2312
H4		47	■		
		57	■		



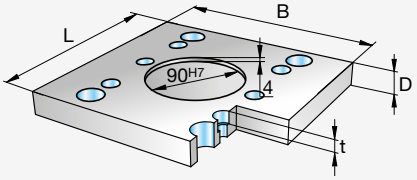
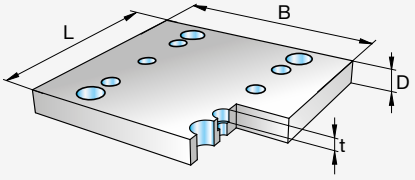
Type	B x L = 455 x 796 / B1 x L1 = 425 x 766	D	Mat. 1730	2085	2312
H7		22	■		■
		27	■		■

Type	B x L = 455 x 796 / B1 x L1 = 425 x 766	D	Mat. 1730	2085	2312
H8		17	■		
		22	■		

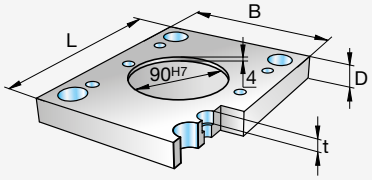
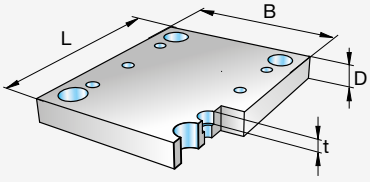
D 3001 09.2017

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Formplatten 6080 | Cavity plates 6080 | Plaques porte-empreinte 6080

Type	B x L = 646 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		22	47	■		■
			57	■		■
H6		22	47	■		■
			57	■		■

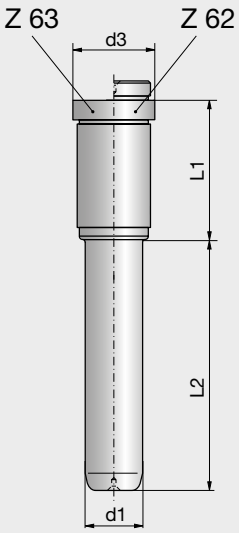
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		22	47	■		■
			57	■		■
H10		22	47	■		■
			57	■		■

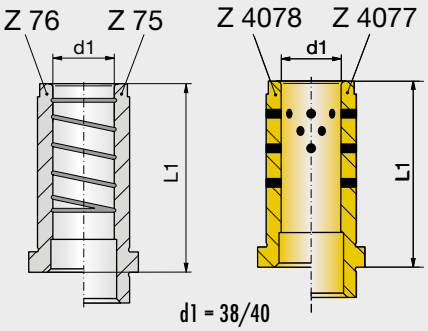
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

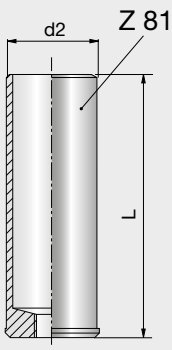
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 38/40



d1 = 38/40

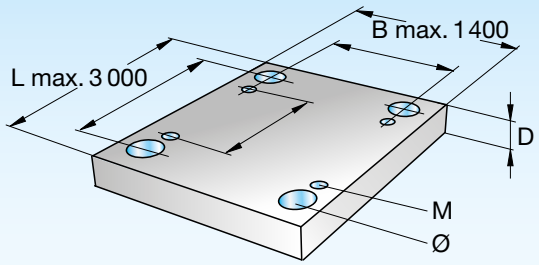


d2 = 50

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1

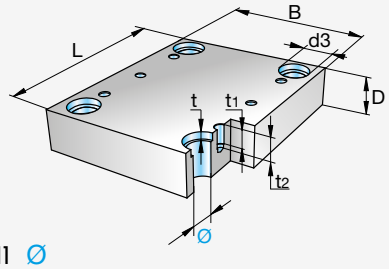
Formplatten B x L | Cavity plates B x L | Plaques porte-empreinte B x L



Standard

B x L

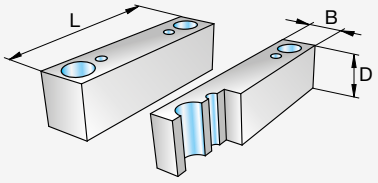
B x L
Type-D-Mat.

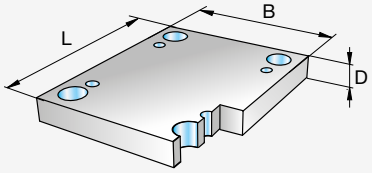
Type	B x L	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø H1U Ø													

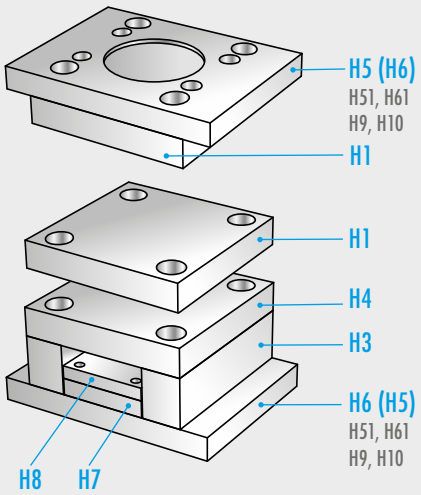
Wir liefern auf Wunsch bis Formplattengrößen maximal 3 000 x 1 400 mm, Gewicht maximal 3 000 kg

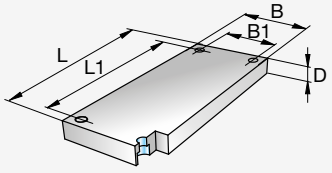
If desired we deliver up to cavity plate dimensions maximal 3 000 x 1 400 mm, weight maximal 3 000 kg

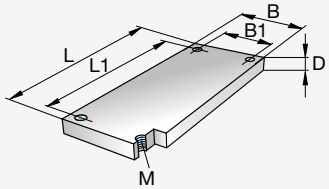
Sur demande nous livrons jusqu'une dimension de plaque porte-empreinte maximale 3 000 x 1 400 mm, poids maximal 3 000 kg

Type	B x L	D	Mat. 1730	2085	2312
H3					

Type	B x L	D	Mat. 1730	2085	2312
H4					



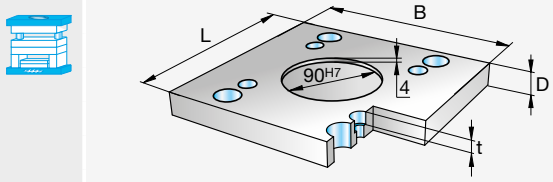
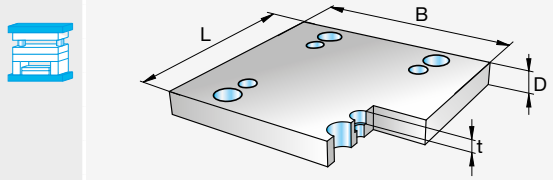
Type	B x L / B1 x L1	D	Mat. 1730	2085	2312
H7					

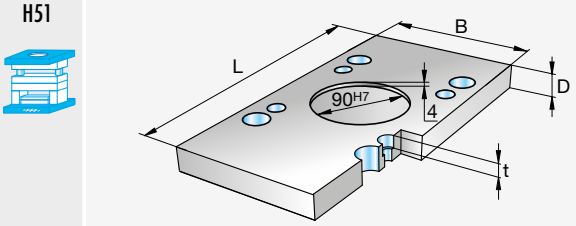
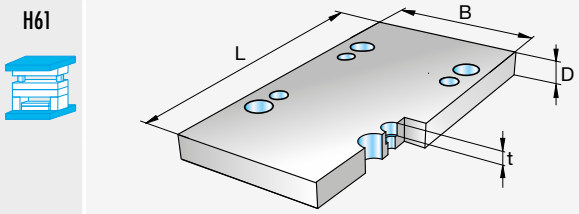
Type	B x L / B1 x L1	D	Mat. 1730	2085	2312
H8					

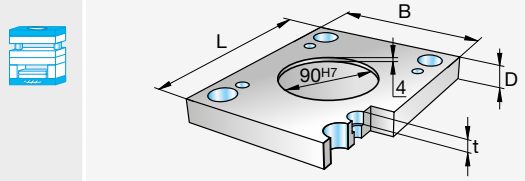
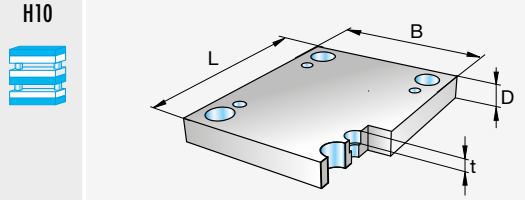
Formplatten B x L

Cavity plates B x L

Plaques porte-empreinte B x L

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5						
H6						

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51						
H61						

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9						
H10						

Zubehör bitte abstimmen:
Fehlende Durchmesser und Längen auf Anfrage.

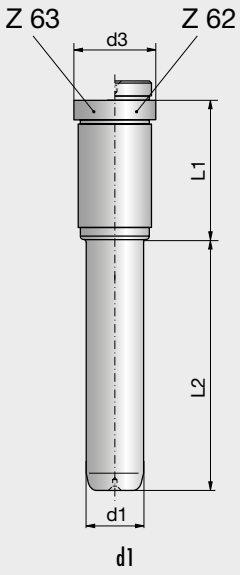
Please coordinate accessories:
Missing diameters and lengths on request.

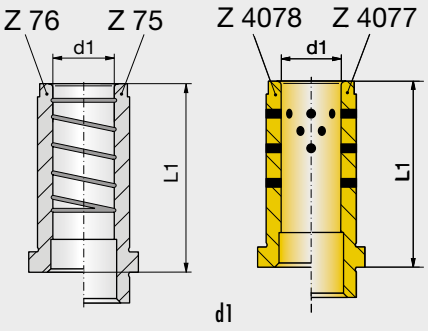
Veuillez accorder les accessoires:
Diamètres et longueurs manquants sur demande.

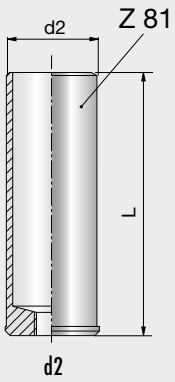
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1





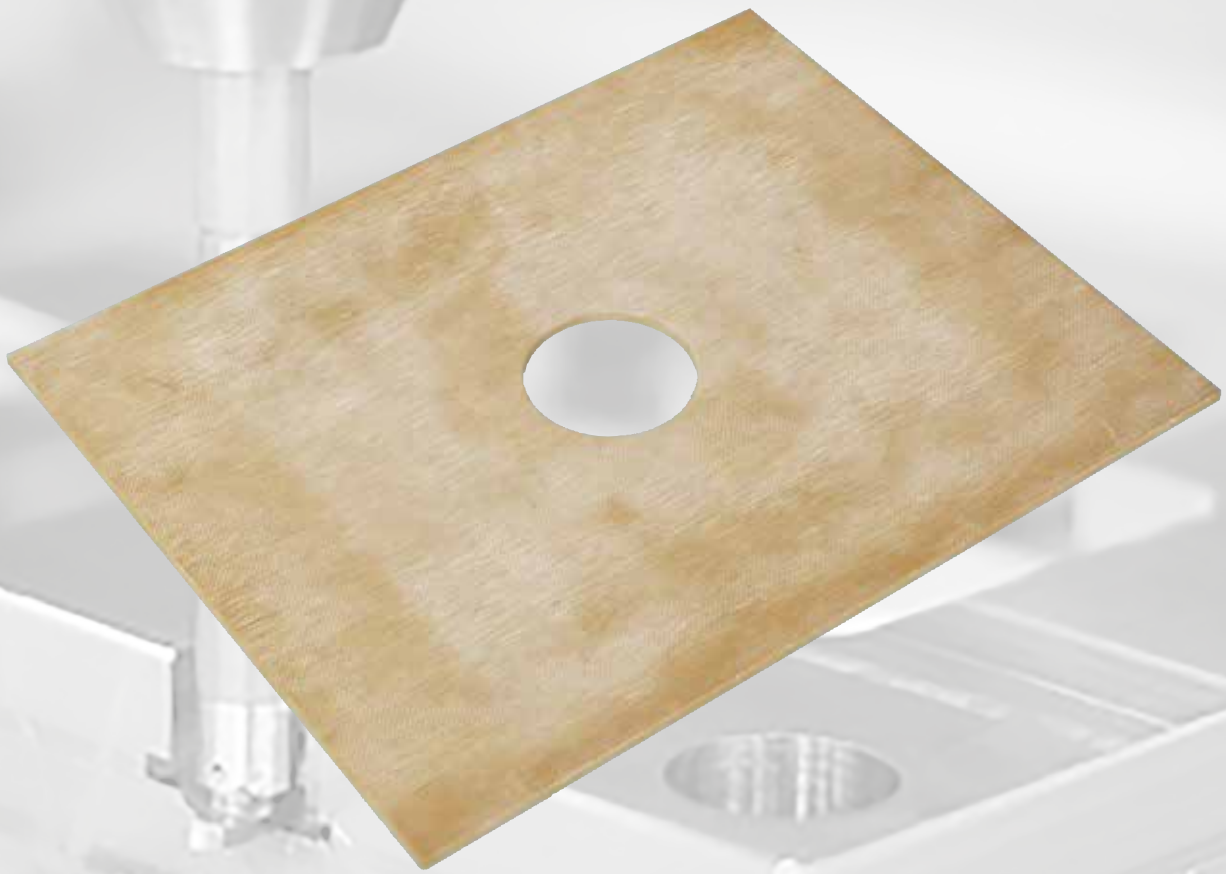


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WÄRMEISOLIERPLATTEN

THERMAL INSULATING PLATES

PLAQUES ISOLANTE

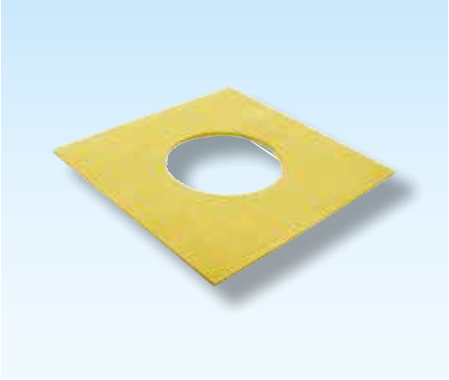


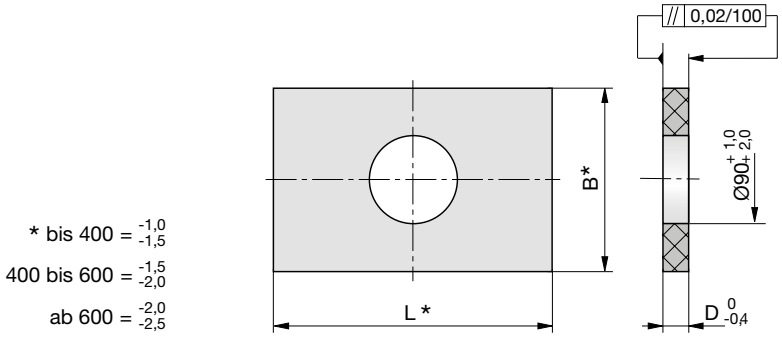
STRACK®

NORMALIEN

1

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante





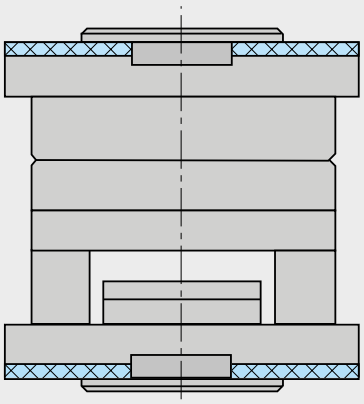
Z 7921- ~330 N/mm²

Z 7921-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



B	L	D
156	125	6
	130	
	156	
	196	
	208	
	246	
	296	
196	196	6
	208	
	246	
	296	
	346	
	396	
246	208	6
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

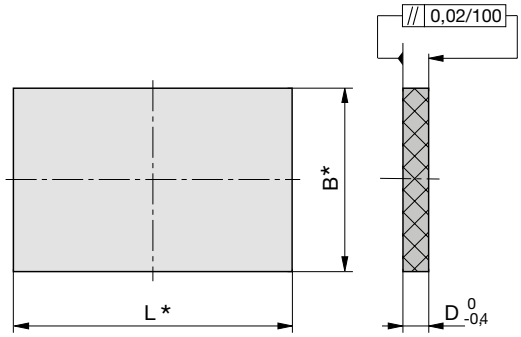
B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
	796	
646	696	8
	796	
	896	
	996	
696	696	8
	796	
	896	
	996	
796	796	8
	896	
	996	
896	896	8
	996	

D 3001 09.2017

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante



* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



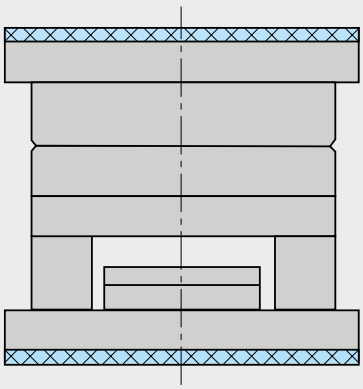
Z 7922- ~330 N/mm²

Z 7922-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

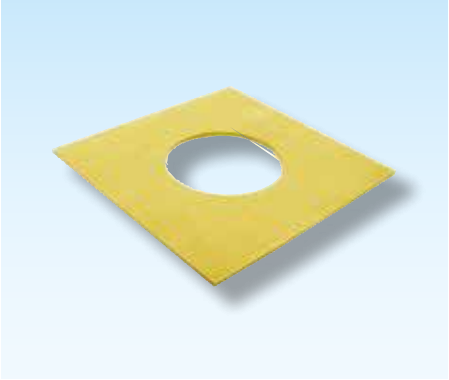


B	L	D	B	L	D
156	125	6	396	496	8
	130			546	
	156			596	
	196			696	
	208			796	
	246		446	446	8
	296			496	
196	196	6		546	
	208			596	
	246			696	
	296			796	
	346		496	496	8
	396			546	
246	208	6		596	
	218			696	
	260			796	
	296		546	596	8
	346			696	
	396			796	
	446		596	596	8
	496			646	
296	208	8		696	
	218			796	
	260		646	696	8
	296			796	
	346			896	
	396			996	
	446		696	696	8
	496			796	
	596			896	
346	346	8		996	
	396		796	796	8
	446			896	
	496			996	
	546		896	896	8
	596			996	
	696				
396	218	8			
	396				
	446				

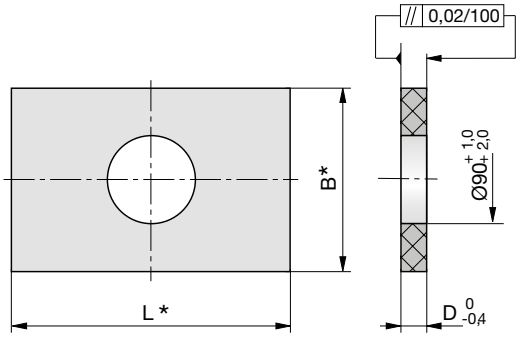
D 3001 09.2017

1

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante



* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



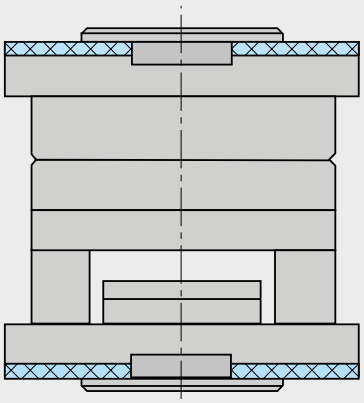
Z 7923- ~600 N/mm²

Z 7923-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



B	L	D
156	125	8
	130	
	156	
	196	
	208	
	246	
	296	
196	196	8
	208	
	246	
	296	
	346	
	396	
246	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

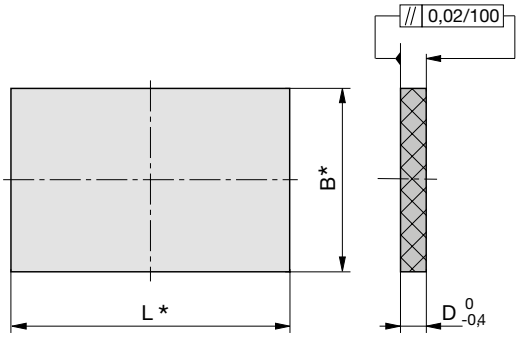
B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
	796	
646	696	8
	796	
	896	
	996	
696	696	8
	796	
	896	
	996	
796	796	8
	896	
	996	
896	896	8
	996	

D 3001 09.2017

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante



* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



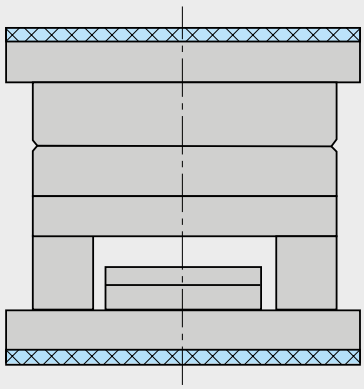
Z 7924- ~600 N/mm²

Z 7924-B-L

Andere Größen (z. B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

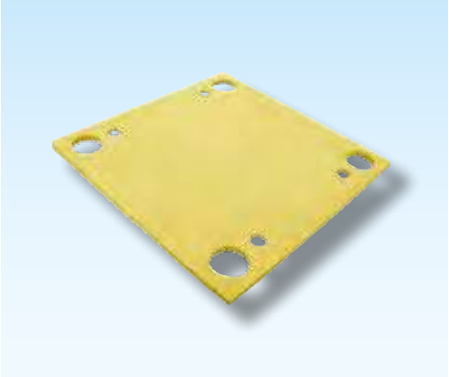


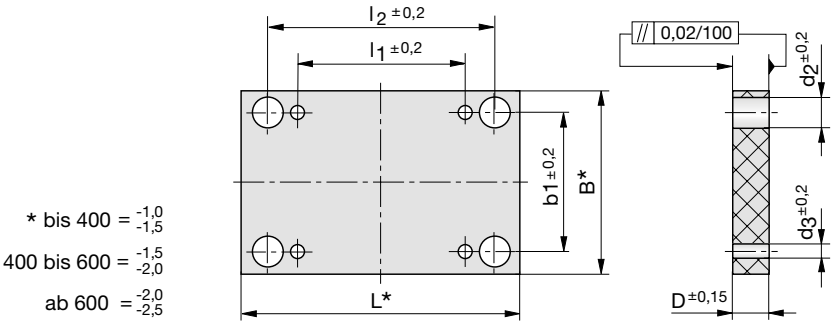
B	L	D	B	L	D
156	125	8	396	496	8
	130			546	
	156			596	
	196			696	
	208			796	
	246		446	446	8
	296			496	
196	196	8		546	
	208			596	
	246			696	
	296			796	
	346		496	496	8
	396			546	
246	208	8		596	
	218			696	
	260			796	
	296		546	596	8
	346			696	
	396			796	
	446		596	596	8
	496			646	
296	208	8		696	
	218			796	
	260		646	696	8
	296			796	
	346			896	
	396			996	
	446		696	696	8
	496			796	
	596			896	
346	346	8		996	
	396		796	796	8
	446			896	
	496			996	
	546		896	896	8
	596			996	
	696				
396	218	8			
	396				
	446				

D 3001 09.2017

1

Wärmeisolierplatten | Thermal insulating plates | Plaques Isolante





* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

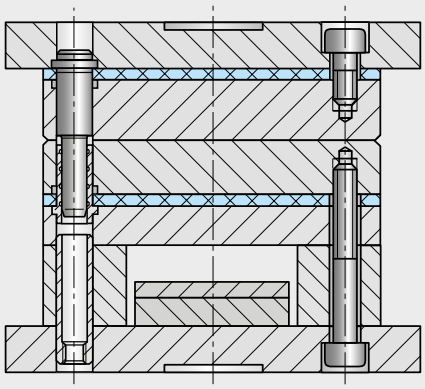
Z 7925- ~600 N/mm²

Z 7925-B-L

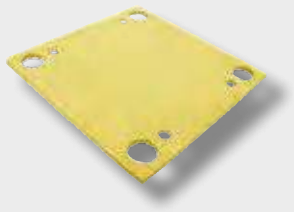
Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



B	L	D	l1	l2	b1	d2	d3
125	156	6	70	130	99	18,5	8,5
156	156		62	114	114	24,5	11,0
	196		102	154	114	24,5	11,0
	246		152	204	114	24,5	11,0
	296		202	254	114	24,5	11,0
196	196	6	102	154	154	24,5	11,0
	246		152	204	154	28,5	11,0
	296		202	254	154	28,5	11,0
	346		252	304	154	28,5	11,0
	396		302	354	154	28,5	11,0
218	246	6	152	204	176	28,5	11,0
	296		202	254	176	28,5	11,0
246	246	8	134	194	194	34,5	13,0
	296		184	244	194	34,5	13,0
	346		234	294	194	34,5	13,0
	396		284	344	194	34,5	13,0
	446		334	394	194	34,5	13,0
	496		384	444	194	34,5	13,0
296	296	8	184	244	244	34,5	13,0
	346		234	294	244	34,5	13,0
	396		284	344	244	34,5	13,0
	446		334	394	244	34,5	13,0
	496		384	444	244	34,5	13,0
	596		484	544	244	34,5	13,0
346	346	8	230	294	294	34,5	17,0
	396		280	344	294	34,5	17,0
	446		330	394	294	34,5	17,0
	496		380	444	294	34,5	17,0
	546		430	494	294	34,5	17,0
	596		480	544	294	34,5	17,0
	696		580	644	294	34,5	17,0

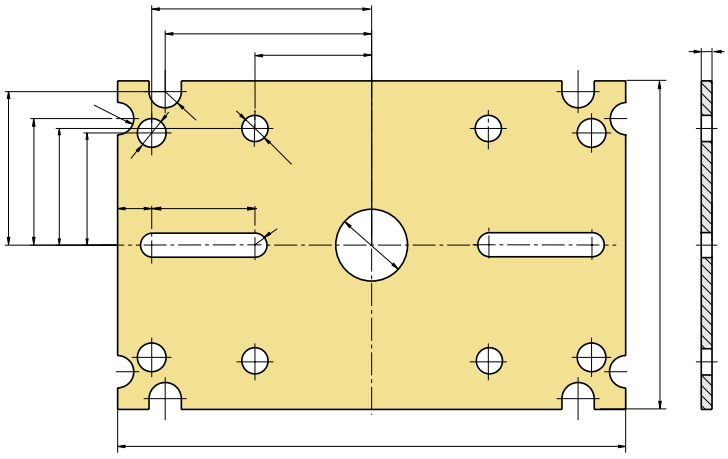


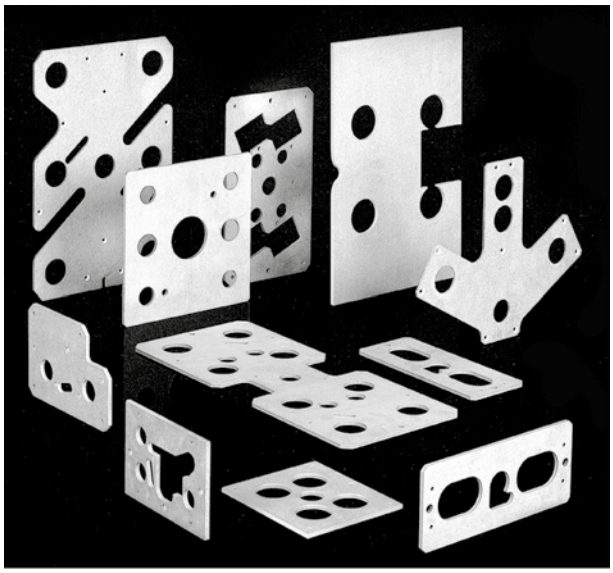
B	L	D	a1	a2	b	d2	d3
396	396	10	230	230	324	42,5	17,0
	446		280	280	374	42,5	17,0
	496		330	330	424	42,5	17,0
	596		430	430	524	42,5	17,0
	696		530	530	624	42,5	17,0
	796		630	630	724	42,5	17,0
446	446	10	280	374	374	42,5	17,0
	496		330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
496	496	10	330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
596	596	10	406	516	516	50,5	21,0
	696		506	616	616	50,5	21,0
	796		606	716	716	50,5	21,0

Alle Wärmeisolierplatten auf Anfrage auch mit zusätzlicher Bearbeitung lieferbar

On request all thermal insulating plates can also be delivered with an additional treatment

Sur demande toutes les plaques isolantes peuvent être livrées avec un traitement supplémentaire





Wärmeisolierplatten asbestfrei

Wärmeisolierplatten aus den nachstehend aufgeführten STRACK NORM Qualitäten sind asbestfrei und von hoher Strukturfestigkeit. Ihr Basismaterial besteht aus modifizierten duroplastischen Harzen, die u. a. mit Glasgeweben und mit aktiven Füllstoffen verstärkt sind.

Thermal Insulating Plates asbestos free

STRACK NORM Thermal Insulating Plates are non asbestos. They are recommendable, where a high strength component, excellent thermal protection and dimensional stability are required. They are intimate blends of high grade inorganic reinforcement and outstanding thermosetting resins.

Plaques Isolante sans amiante

Les Plaques thermo-isolantes dans les qualités STRACK NORM mentionnées ci-dessous sont exemptes d'amiante et présentent une haute stabilité de structure. Elles sont composées de résines thermodurcissables modifiées, renforcées de tissus de verre et d'autres agents actifs de remplissage.

Bearbeitungshinweise

Eine Absaugvorrichtung ist bei der Bearbeitung von Wärmeisolierplatten zu empfehlen.
Für die Bearbeitung der Typen **Z 7921**, **Z 7922** **Z 7926** und **Z 7928** sind normale Bearbeitungswerkzeuge einzusetzen.
Bei den Typen **Z 7923**, **Z 7924** und **Z 7925** sind hartmetallbestückte Werkzeuge einzusetzen.

Working tips

An extractor fan is recommendable when working with thermal insulating plates.
Normal tools should be used on types **Z 7921**, **Z 7922**, **Z 7926 and Z 7928**.
Carbide-tipped tools should be used on types **Z 7923**, **Z 7924 and Z 7925**.

Remarques de traitement

Un dispositif d'aspiration est recommandé pour l'usinage de plaques calorifuges.
Pour le traitement des types **Z 7921**, **Z 7922**, **Z 7926** et **Z 7928** le recours à des outils de façonnage normaux suffit.
Pour les types **Z 7923**, **Z 7924** et **Z 7925** il est conseillé de recourir à des outils à mise de métal dur.

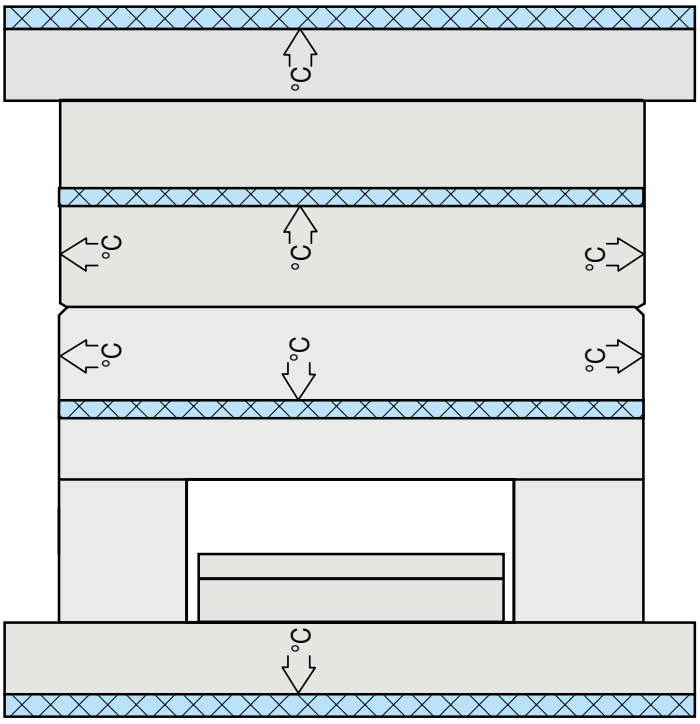
Technische Daten Technical data Caractéristiques techniques		Z 7921 Z 7922	Z 7923 Z 7924 Z 7925
Druckfestigkeit Compressive strength Résistance à la compression	N/mm^2 kp/cm^2	330 3300	600 6000
Einsatztemperatur max. Working temperature max. Température maximum d'utilisation	°C	230	220
Wärmeleitzahl Coefficient of thermal conductivity Température maximum d'utilisation	W/mK	0,3	0,3
Feuchtigkeitsaufnahme Moisture absorption Absorption d'humidité	24 h/%	0,8	0,3
Dichte Specific gravity Densité	g/cm^3	1,95	1,85
Lineare Wärmeausdehnung Absorption d'humidité Dilatation thermique linéaire	$10^{-5}/°C$	1,2	1,5
Planparallelität geschliffen Parallelism, ground Parallélisme après retification	mm/m	± 0,1	± 0,05
Abweichung von der Nennstärke Deviation from nominal gauges Ecart de l'épaisseur nominale	%	± 3	± 3 (1,5)

D 3001 09.2017

STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

Wärmeisolierplatten asbestfrei | Thermal Insulating Plates asbestos free | Plaques Isolante sans amiante

STRACK NORM	Werkstoff	Material	Matériau
Z 7921 Z 7922	Aus hochfester Glaswirrfaser, gebunden in hitzebeständigen duroplastischen Harzen.	Of high strength random glass fibres, bound in heat-resistant thermosetting resins.	En fibres de verre embrouillées, entourées de résines thermodurcissables résistantes à la chaleur.
Z 7923 Z 7924 Z 7925	Aus kompakt angeordneten, vorbehandelten Glasfeingeweben, gebunden mit hitzebeständigen, modifizierten duroplastischen Harzen.	Of compactly arranged, pretreated fine glass fabrics, bound with heat-resistant modified thermosetting resins.	En tissus fins en fibres de verre, prétraites, disposées de manière compacte, entourés de résines thermodurcissables résistantes à la chaleur.



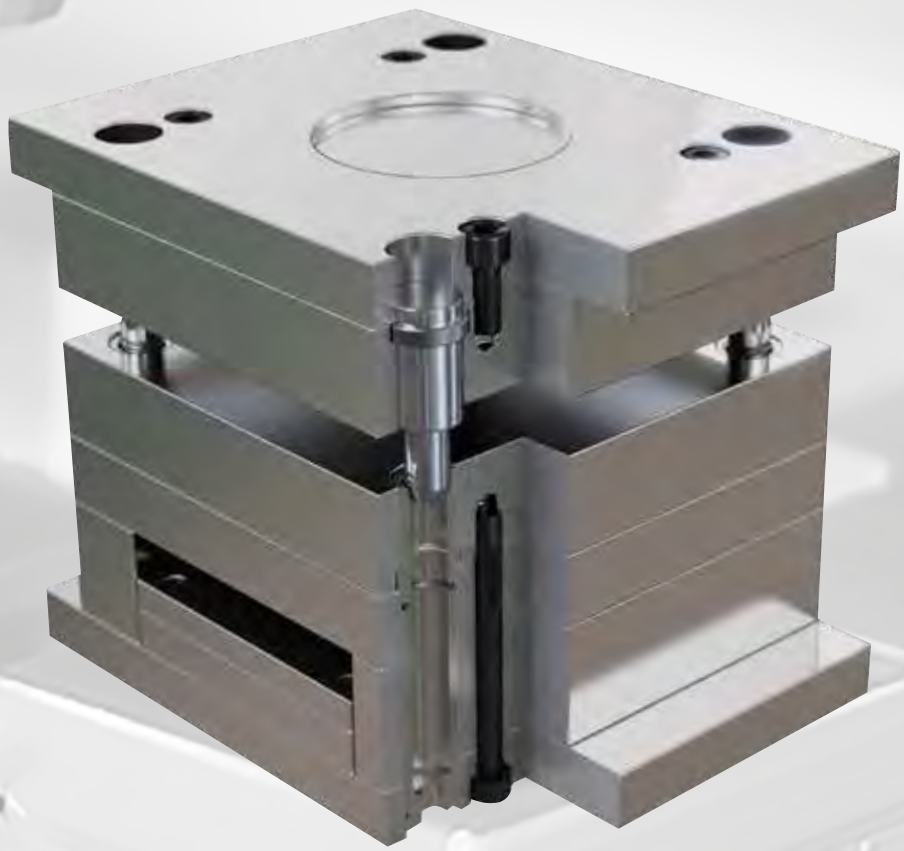
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FORMPLATTEN

CAVITY PLATES

PLAQUES PORTE-EMPREINTE

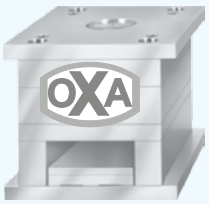


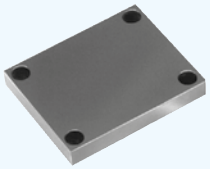
STRACK®

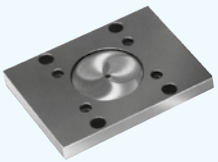
NORMALIEN

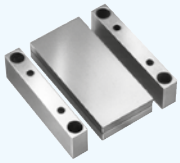
2

Formplatten
Cavity Plates
Plaques Porte-Empreinte











2.3

156 x 156 2.8
156 x 196 2.10
156 x 246 2.12
156 x 296 2.14

196 x 196 2.16
190 x 246 2.18
196 x 296 2.20
196 x 346 2.22
196 x 396 2.24

218 x 246 2.26
218 x 296 2.28

246 x 246 2.30
246 x 296 2.32
246 x 346 2.34
246 x 396 2.36
246 x 446 2.38
246 x 496 2.40

296 x 296 2.42
296 x 346 2.44
296 x 396 2.46
296 x 446 2.48
296 x 496 2.50
296 x 546 2.52
296 x 596 2.54
296 x 696 2.56

346 x 346 2.58
346 x 396 2.60
346 x 446 2.62
346 x 496 2.64
346 x 546 2.66
346 x 596 2.68
346 x 696 2.70
346 x 796 2.72

396 x 396 2.74
396 x 446 2.76
396 x 496 2.78
396 x 546 2.80
396 x 596 2.82
396 x 696 2.84
396 x 796 2.86
396 x 896 2.88

446 x 446 2.90
446 x 496 2.92
446 x 546 2.94
446 x 596 2.96
446 x 696 2.98
446 x 796 2.100
446 x 896 2.102

496 x 496 2.104
496 x 546 2.106
496 x 596 2.108
496 x 696 2.110
496 x 796 2.112
496 x 896 2.114
496 x 996 2.116

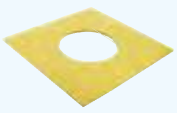
546 x 546 2.118
546 x 596 2.120
546 x 696 2.122
546 x 796 2.124
546 x 896 2.126
546 x 996 2.128

596 x 596 2.130
596 x 696 2.132
596 x 796 2.134
596 x 896 2.136
596 x 996 2.138

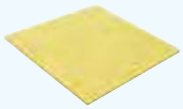
696 x 696 2.140
696 x 796 2.142
696 x 896 2.144
696 x 996 2.146

796 x 796 2.148
796 x 896 2.150
796 x 996 2.152

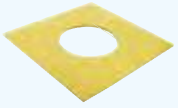
Formplatten
Cavity plates
Plaques porte-empreite
B x L 2.154



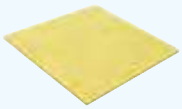
Z 7921 2.158



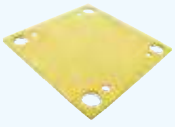
Z 2922 2.159



Z 7923 2.160



Z 7924 2.161



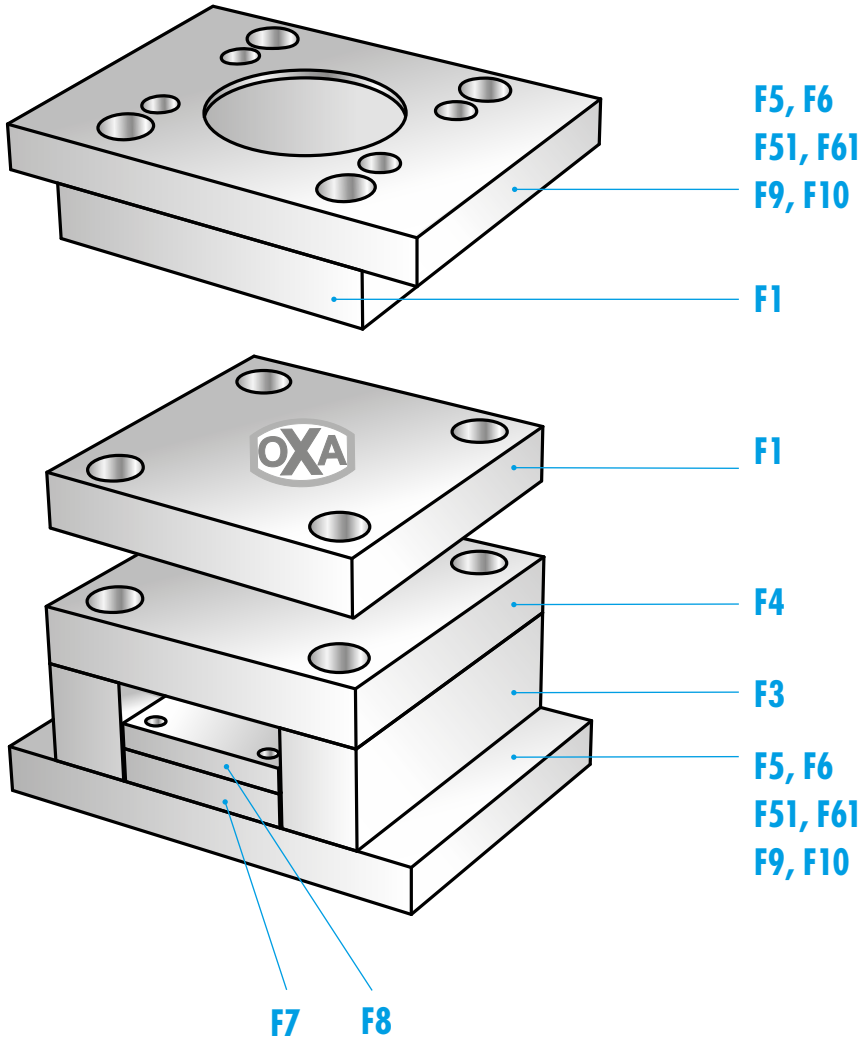
Z 7925 2.162



2.164

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Formplatten	Cavity plates	Plaques porte-empreinte
156 x 156 – 796 x 996	156 x 156 – 796 x 996	156 x 156 – 796 x 996



Empfohlene Stahlqualitäten | Recommended steel grades | Nuances d'acier recommandées

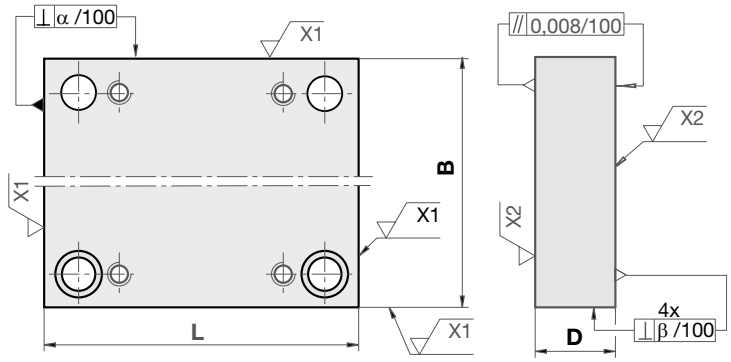
Position / Item / Position	Mat. Nr.	Symbol	Lieferfestigkeit /As-delievered strengt Etat de livraison
F1, F3, F4, F7, F8, F5, F6, F51, F61, F9, F10	1.1730	C 45 W	~650 N/mm²
F1	1.2083	X 42 Cr 13	760 N/mm²
F1, F3, F4, F7, F8, F5, F6, F51, F61, F9, F10	1.2085	X 33 Cr S 16	950 - 1100 N/mm²
F1	1.2162	21 Mn Cr 5	600 N/mm²
F1	1.2311	40 Cr Mn Mo 7	950 - 1100 N/mm²
F1, F3, F4, F7, F8, F5, F6, F51, F61, F9, F10	1.2312	40 Cr Mn Mo S 8-6	950 - 1100 N/mm²
F1	1.2343	X 38 Cr Mo V 5-1	780 N/mm²
F1	1.2767	X 45 Ni Cr Mo 4	850 N/mm²

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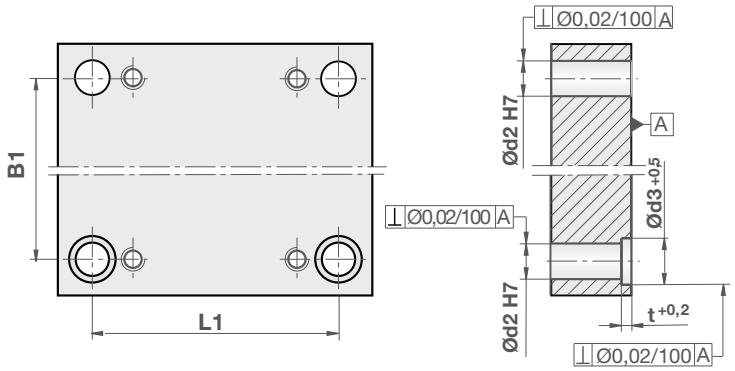
Toleranzblatt | Tolerance sheet | Folio de tolerance

OXA

2



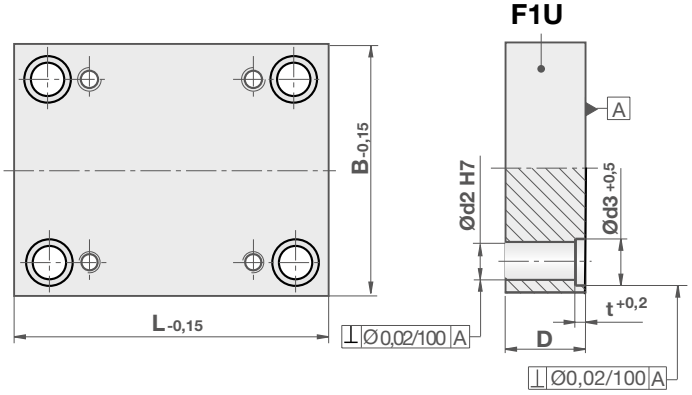
	B..., L...	F
B / L	156 - 996	± 0,15
α/100	156 - 996	0,02
β/100	156 - 996	0,03
X 1	156 - 996	Rz 25
X 2	156 - 996	Rz 10
D	9 - 196	+ 0,1 / + 0,25



∅ d2	∅ d3	t
20	26	6,3
26	32	6,3
30	36	6,3
42	48	6,3
54	61	10,3

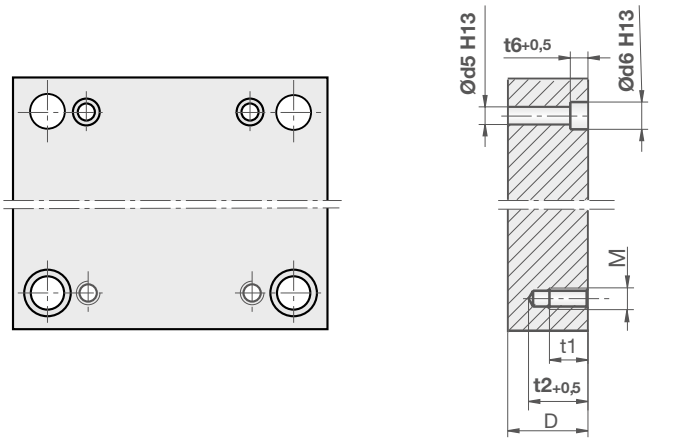
B1 / L1	
72 - 80	± 0,007
> 80 - 100	± 0,009
> 100 - 125	± 0,010
> 125 - 160	± 0,011
> 160 - 200	± 0,012
> 200 - 250	± 0,013
> 250 - 315	± 0,015
> 315 - 400	± 0,016
> 400 - 500	± 0,017
> 500 - 630	± 0,019
> 630 - 800	± 0,020
> 800 - 1000	± 0,022

F1U



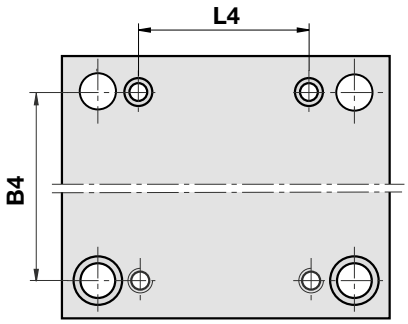
∅ d2	∅ d3	t
19,6	26	6,3
25,5	32	6,3
29,4	36	6,3
41,3	48	6,3
53,2	61	10,3

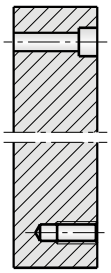
B / L	D	D*
≤ 296	+ 0,4 + 0,2	+ 0,25 + 0,10
> 296	+ 0,6 + 0,4	+ 0,25 + 0,10
D* =	1.2085	1.2311, 1.2312



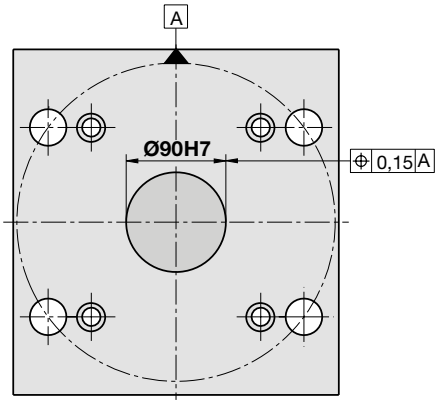
M	D	t1	t2	∅ d5	∅ d6	t6
M8	17 22 - 66	10 14	12 18	9,0	15	9
M10	17 22 27 - 96	10 14 15	12 18 20	11,0	18	11
M12	22 27 36 - 116	14 16 18	18 20 25	14,0	20	13
M16	36 46 - 156	22 25	28 36	18,0	26	17
M20	46 56 - 196	24 32	32 45	22,0	33	22

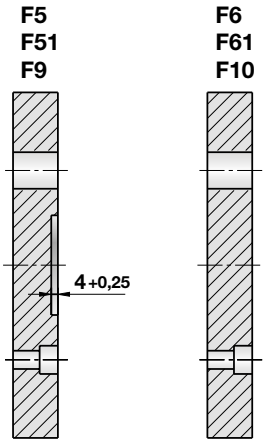
Toleranzblatt | Tolerance sheet | Folio de tolerance

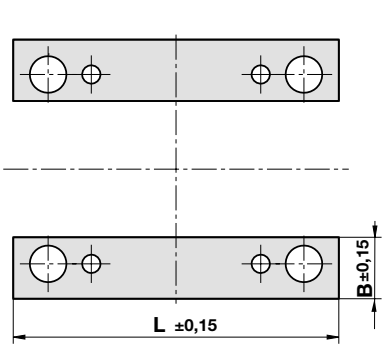




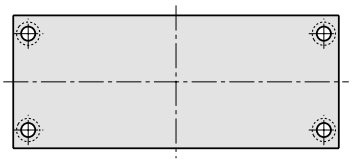
B4 / L4	
0 - 120	± 0,20
> 120 - 400	± 0,25
> 400 - 1000	± 0,35

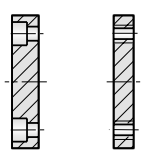










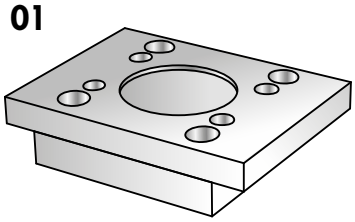


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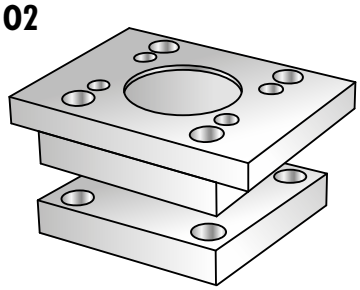
Plattenkombinationen	Plate combinations	Combinaison des plaques
Düsenseite	Fixed half	Partie fixe

OXA

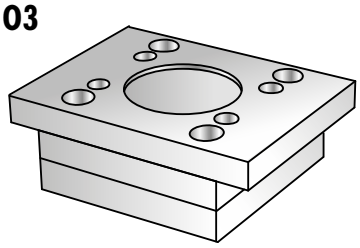
01



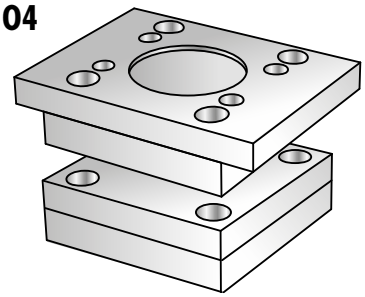
02



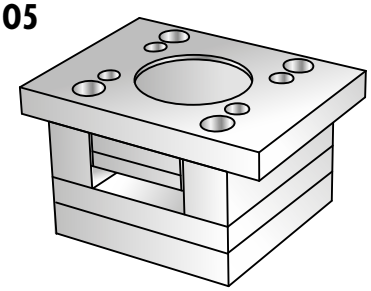
03



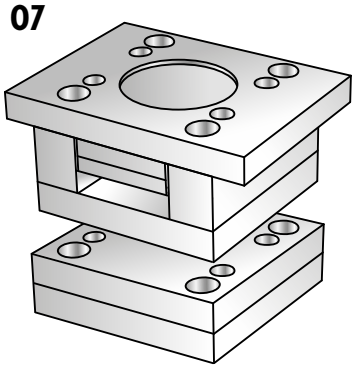
04



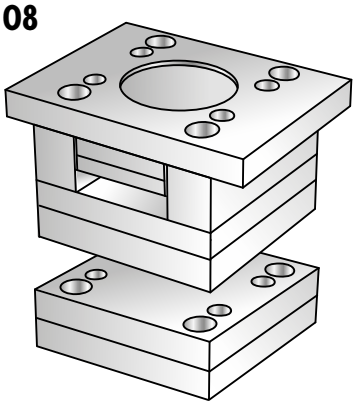
05



07



08



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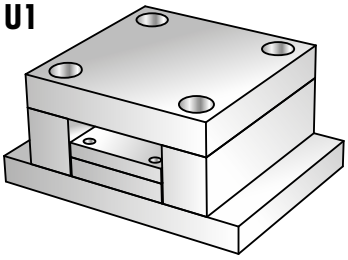
STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

Plattenkombinationen | Plate combinations | Combinaison des plaques

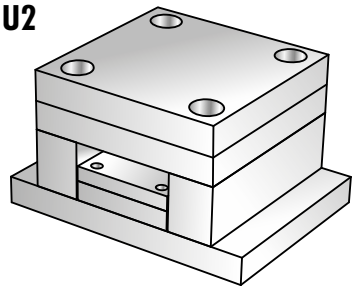
Auswerferseite | Moving half | Partie mobile

OXA

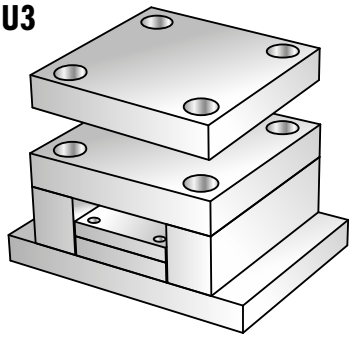
U1



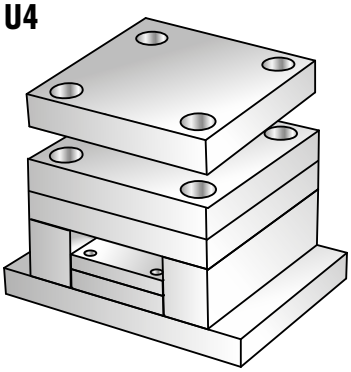
U2



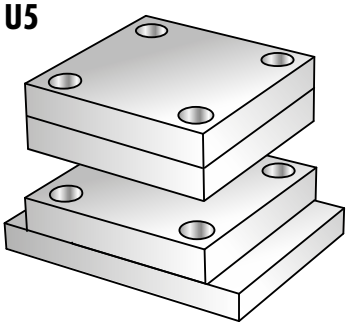
U3



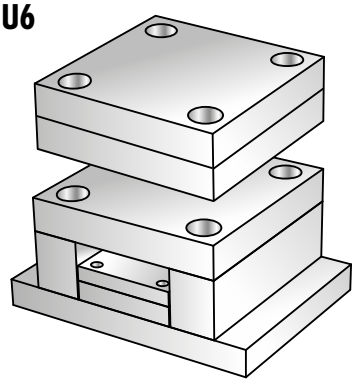
U4



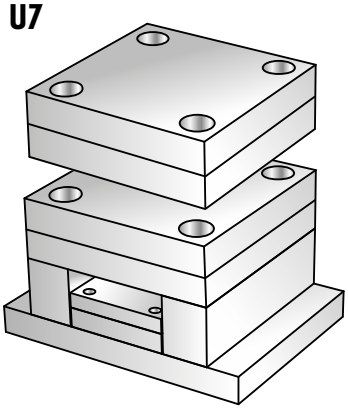
U5



U6



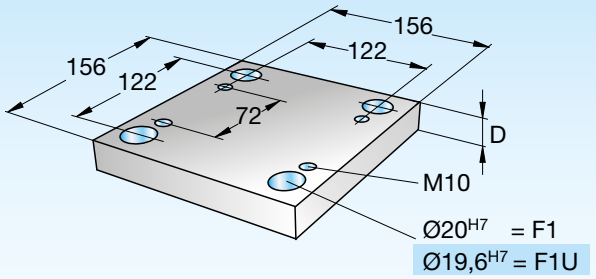
U7



	U1	U2	U3	U4	U5	U6	U7
01	■	■	■	■	■	■	■
02	■	■					
03	■	■	■	■	■	■	■
04	■	■					
05	■	■	■	■	■	■	■
07	■	■					
08	■	■					

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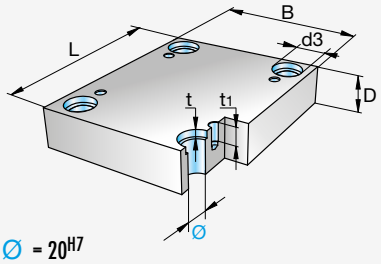
Formplatten 156 x 156 | Cavity plates 156 x 156 | Plaques porte-empreinte 156 x 156

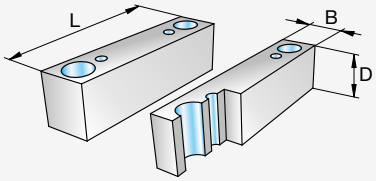


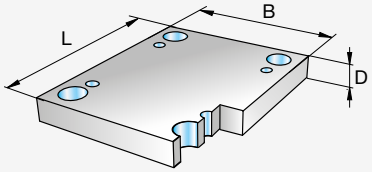
OXA

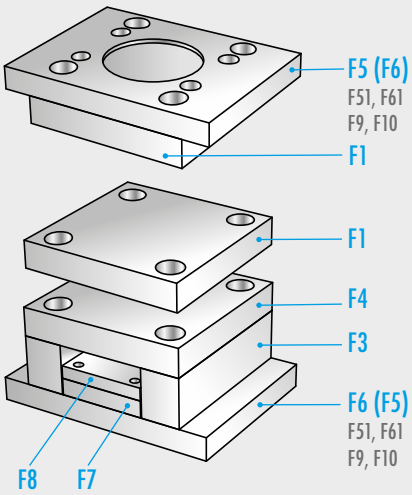
156 x 156

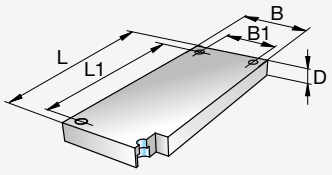
156 x156-
Type-D-Mat.

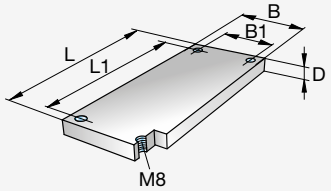
Type	B x L = 156 x 156	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 20H7 F1U Ø = 19,6H7	6,3	17	26	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■	■	■	■	■	■	■	■
			15		36	■	■	■	■	■	■	■	■
			15		46	■	■	■	■	■	■	■	■
			15		56	■	■	■	■	■	■	■	■
			15		66	■	■	■	■	■	■	■	■
			15		76	■	■	■	■	■	■	■	■

Type	B x L = 32 x 156	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

Type	B x L = 156 x 156	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■



Type	B x L = 90 x 156 / B1 x L1 = 68 x 100	D	Mat. 1730	2085	2312
F7		17	■	■	■

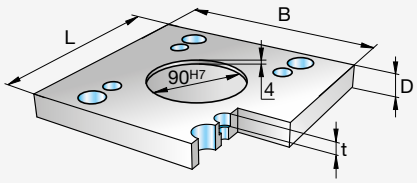
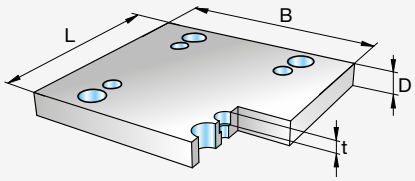
Type	B x L = 90 x 156 / B1 x L1 = 68 x 100	D	Mat. 1730	2085	2312
F8		9	■	■	

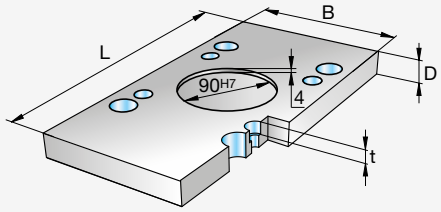
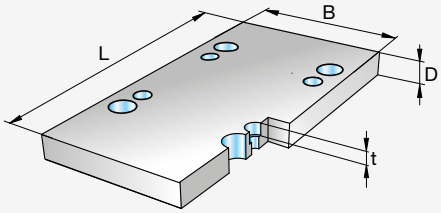
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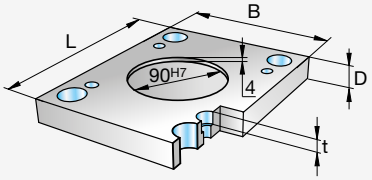
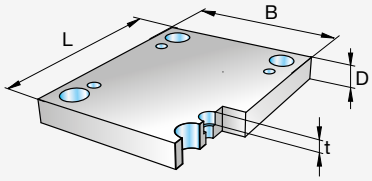
Formplatten 156 x 156

Cavity plates 156 x 156

Plaques porte-empreinte 156 x 156

Type	B x L = 206 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	22	■	■	■
			27	■	■	■
F6		11	22	■	■	■
			27	■	■	■

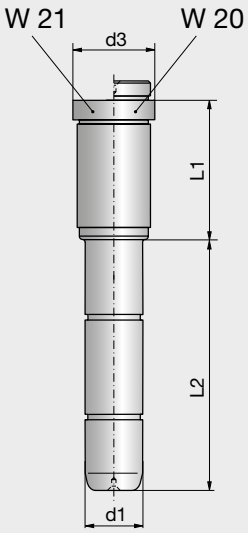
Type	B x L = 156 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	22	■	■	■
			27	■	■	■
F61		11	22	■	■	■
			27	■	■	■

Type	B x L = 156 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

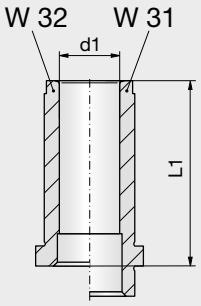
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

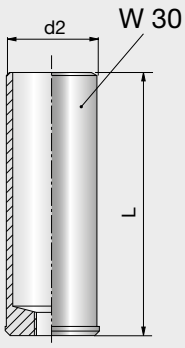
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 14/15



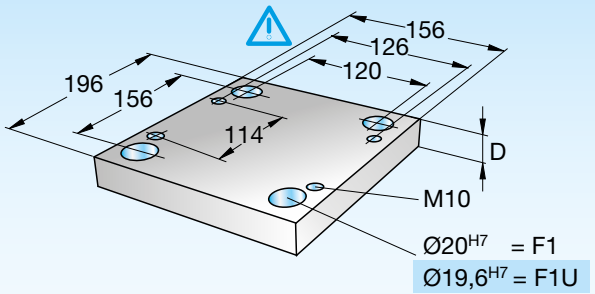
d1 = 14/15



d2 = 20

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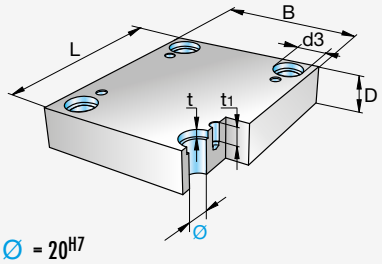
Formplatten 156 x 196 | Cavity plates 156 x 196 | Plaques porte-empreinte 156 x 196

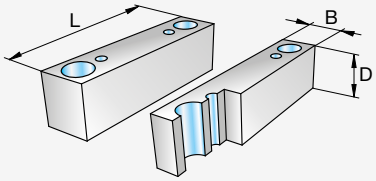


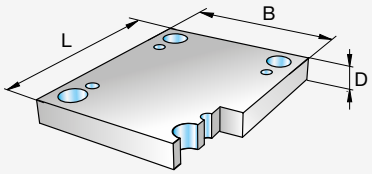
OXA

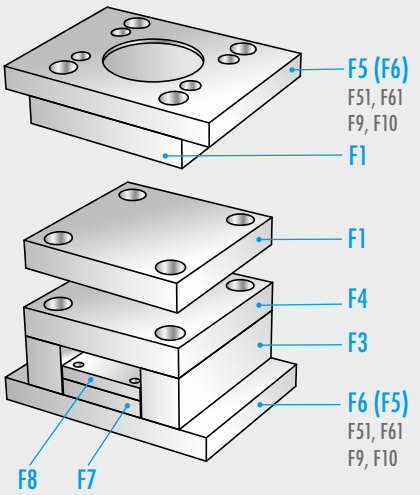
156 x 196

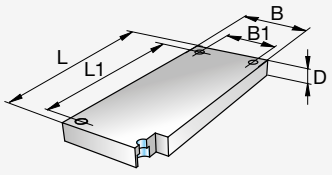
156 x196-
Type-D-Mat.

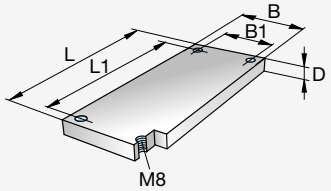
Type	B x L = 156 x 196	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 20H7 F1U Ø = 19,6H7	6,3	17	26	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■	■	■	■	■	■	■	■
			15		36	■	■	■	■	■	■	■	■
			15		46	■	■	■	■	■	■	■	■
			15		56	■	■	■	■	■	■	■	■
			15		66	■	■	■	■	■	■	■	■
			15		76	■	■	■	■	■	■	■	■

Type	B x L = 32 x 196	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

Type	B x L = 156 x 196	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■



Type	B x L = 90 x 196 / B1 x L1 = 68 x 140	D	Mat. 1730	2085	2312
F7		17	■	■	■

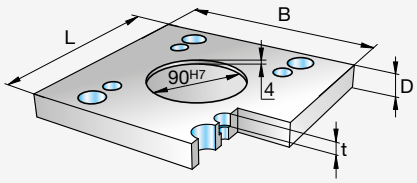
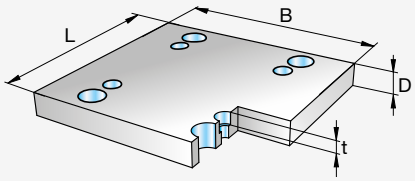
Type	B x L = 90 x 196 / B1 x L1 = 68 x 140	D	Mat. 1730	2085	2312
F8		9	■	■	

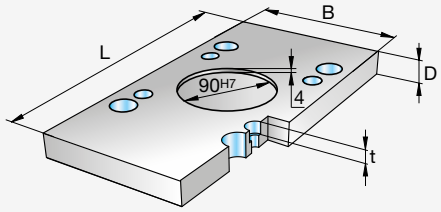
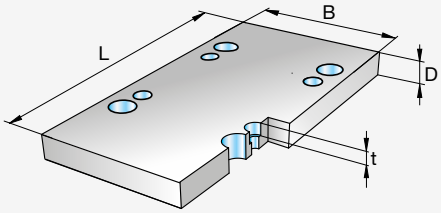
D 3001 09.2017

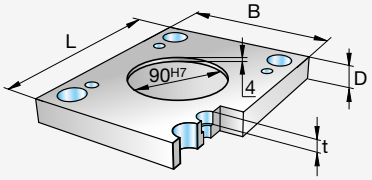
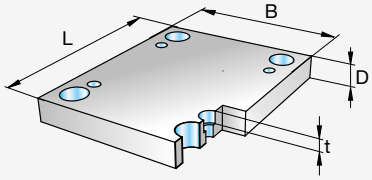
Formplatten 156 x 196

Cavity plates 156 x 196

Plaques porte-empreinte 156 x 196

Type	B x L = 206 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	22	■	■	■
			27	■	■	■
F6		11	22	■	■	■
			27	■	■	■

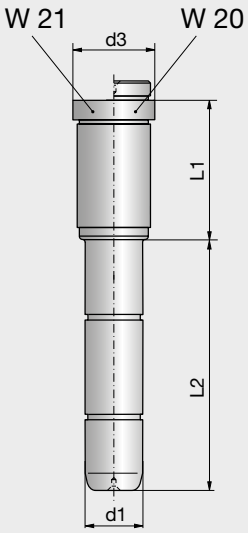
Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	22	■	■	■
			27	■	■	■
F61		11	22	■	■	■
			27	■	■	■

Type	B x L = 156 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

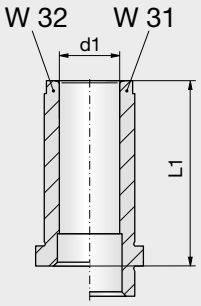
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

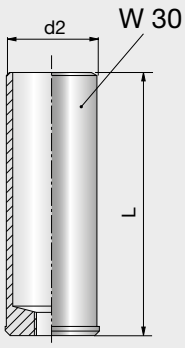
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 14/15



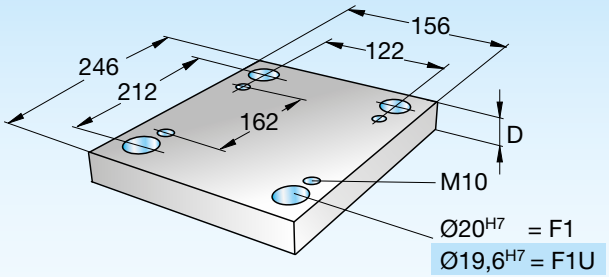
d1 = 14/15



d2 = 20

D 3001 09.2017

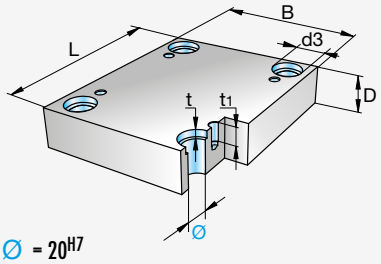
Formplatten 156 x 246 | Cavity plates 156 x 246 | Plaques porte-empreinte 156 x 246

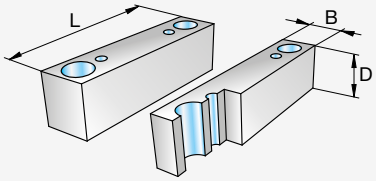


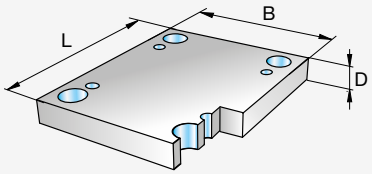
OXA

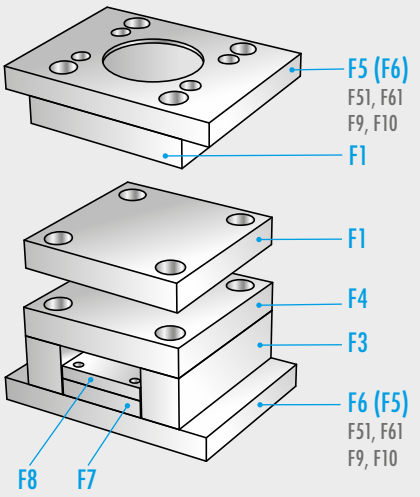
156 x 246

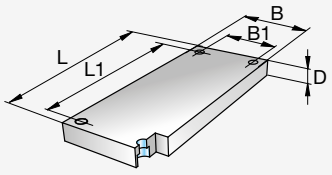
156 x 246-
Type-D-Mat.

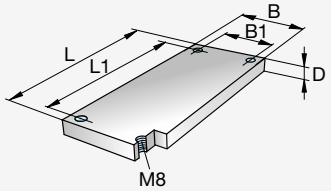
Type	B x L = 156 x 246	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 20H7 F1U Ø = 19,6H7	6,3	17	26	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■	■	■	■	■	■	■	■
			15		36	■	■	■	■	■	■	■	■
			15		46	■	■	■	■	■	■	■	■
			15		56	■	■	■	■	■	■	■	■
			15		66	■	■	■	■	■	■	■	■
			15		76	■	■	■	■	■	■	■	■

Type	B x L = 32 x 246	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

Type	B x L = 156 x 246	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■



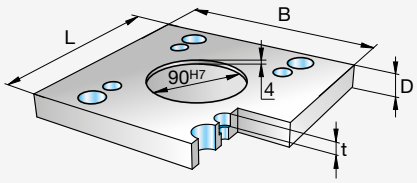
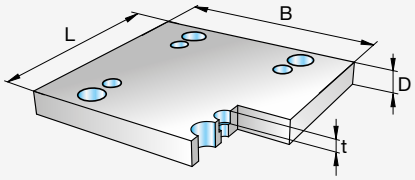
Type	B x L = 90 x 246 / B1 x L1 = 68 x 186	D	Mat. 1730	2085	2312
F7		17	■	■	■

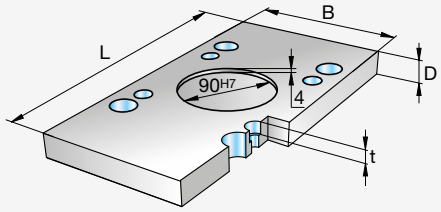
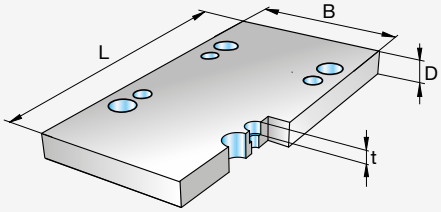
Type	B x L = 90 x 246 / B1 x L1 = 68 x 186	D	Mat. 1730	2085	2312
F8		9	■	■	

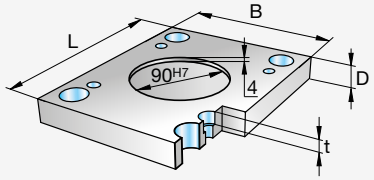
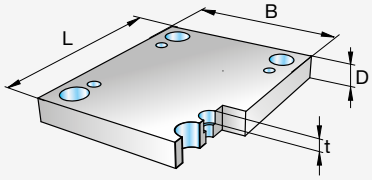
Formplatten 156 x 246

Cavity plates 156 x 246

Plaques porte-empreinte 156 x 246

Type	B x L = 196 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	22	■	■	■
			27	■	■	■
F6		11	22	■	■	■
			27	■	■	■

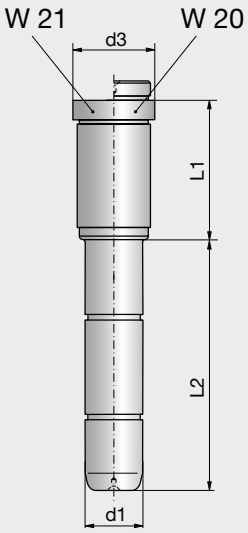
Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	22	■	■	■
			27	■	■	■
F61		11	22	■	■	■
			27	■	■	■

Type	B x L = 156 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

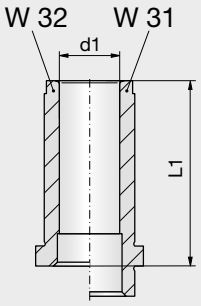
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

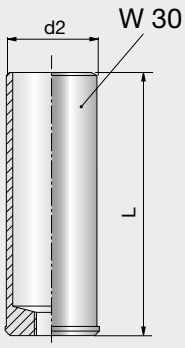
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 14/15



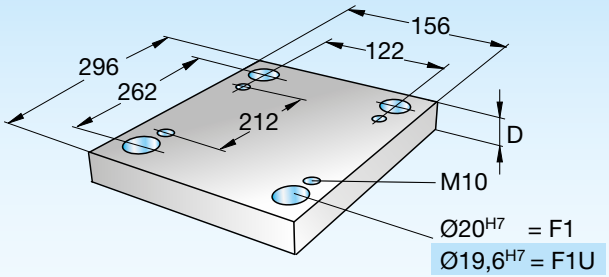
d1 = 14/15



d2 = 20

D 3001 09.2017

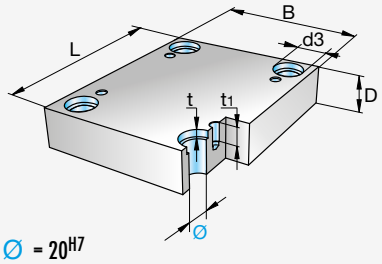
Formplatten 156 x 296 | Cavity plates 156 x 296 | Plaques porte-empreinte 156 x 296

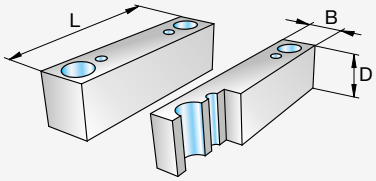


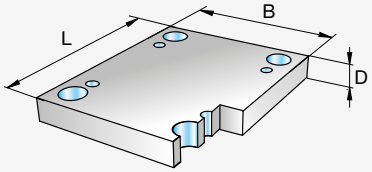
OXA

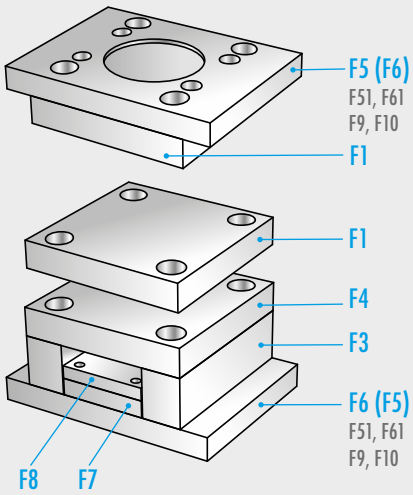
156 x 296

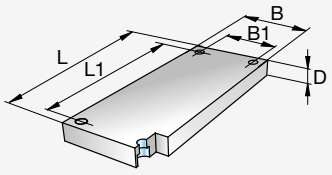
156 x 296-
Type-D-Mat.

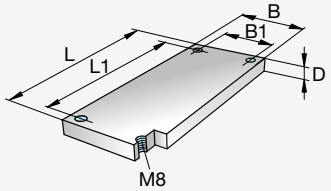
Type	B x L = 156 x 296	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 20H7 F1U Ø = 19,6H7	6,3	22	26	22	■		■	■	■	■		
			15		27	■		■	■	■	■		
			15		36	■		■	■	■	■		
			15		46	■		■	■	■	■		
			15		56	■		■	■	■	■		
			15		66	■		■	■	■	■		
			15		76	■		■	■	■	■		

Type	B x L = 32 x 296	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

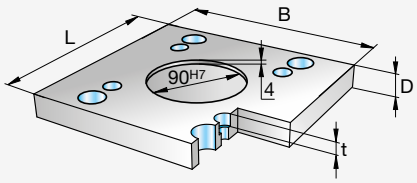
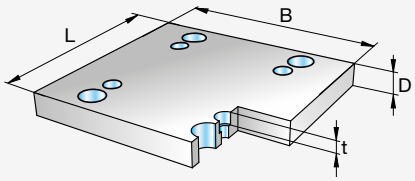
Type	B x L = 156 x 296	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■

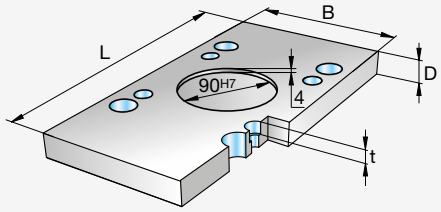
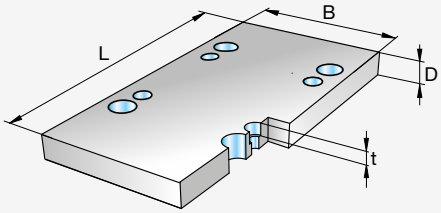


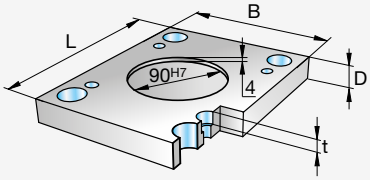
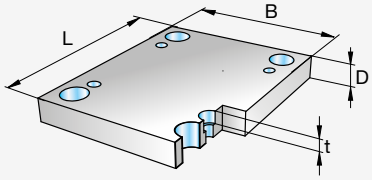
Type	B x L = 90 x 296 / B1 x L1 = 68 x 236	D	Mat. 1730	2085	2312
F7		17	■	■	■

Type	B x L = 90 x 296 / B1 x L1 = 68 x 236	D	Mat. 1730	2085	2312
F8		12	■	■	

Formplatten 156 x 296 | Cavity plates 156 x 296

Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	27	■	■	■
F6		11	27	■	■	■

Type	B x L = 156 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	27	■	■	■
F61		11	27	■	■	■

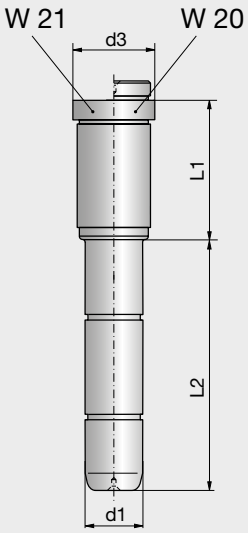
Type	B x L = 156 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	22	■	■	■
F10		11	22	■	■	■

Plaques porte-empreinte 156 x 296

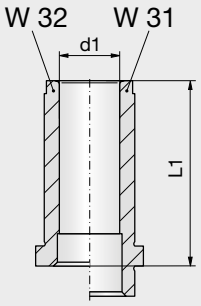
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

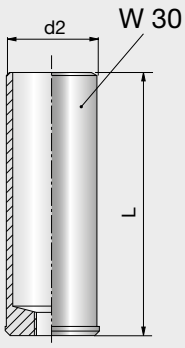
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 14/15

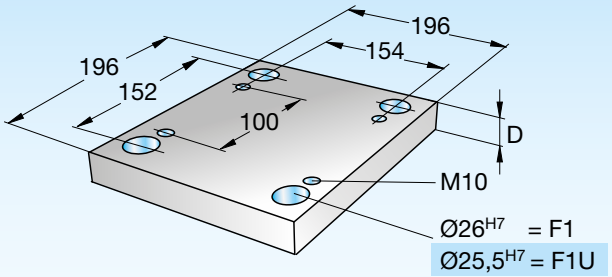


d1 = 14/15



d2 = 20

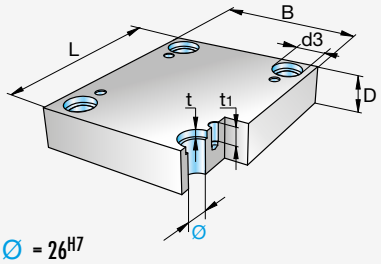
Formplatten 196 x 196 | Cavity plates 196 x 196 | Plaques porte-empreinte 196 x 196

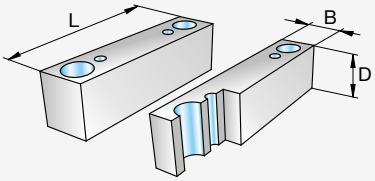


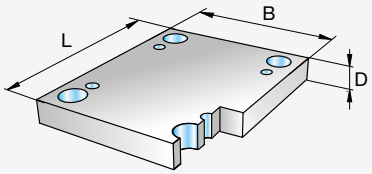
OXA

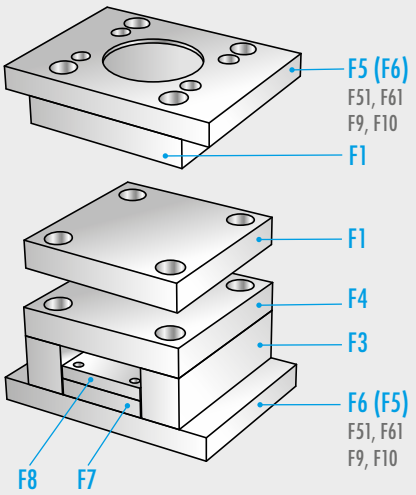
196 x 196

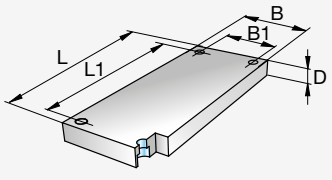
196 x 196-
Type-D-Mat.

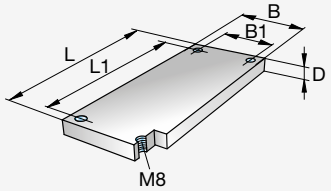
Type	B x L = 196 x 196	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 26H7 F1U Ø = 25,5H7	6,3	17	32	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■	■	■	■	■	■	■	■
			15		36	■	■	■	■	■	■	■	■
			15		46	■	■	■	■	■	■	■	■
			15		56	■	■	■	■	■	■	■	■
			15		66	■	■	■	■	■	■	■	■
			15		76	■	■	■	■	■	■	■	■
			15		86	■	■	■	■	■	■	■	■
			15		96	■	■	■	■	■	■	■	■

Type	B x L = 38 x 196	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

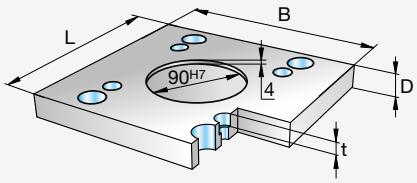
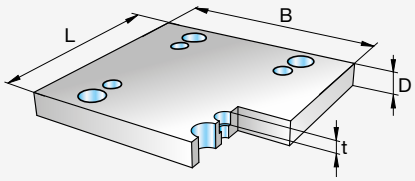
Type	B x L = 196 x 196	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■

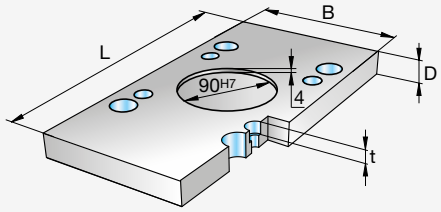
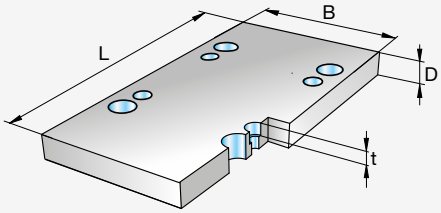


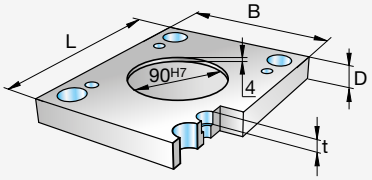
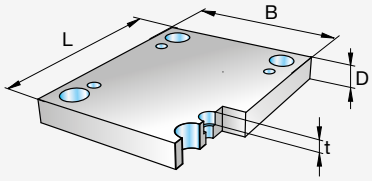
Type	B x L = 118 x 196 / B1 x L1 = 96 x 132	D	Mat. 1730	2085	2312
F7		17	■	■	■

Type	B x L = 118 x 196 / B1 x L1 = 96 x 132	D	Mat. 1730	2085	2312
F8		12	■	■	

Formplatten 196 x 196 | Cavity plates 196 x 196 | Plaques porte-empreinte 196 x 196

Type	B x L = 246 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	22	■	■	■
			27	■	■	■
F6		11	22	■	■	■
			27	■	■	■

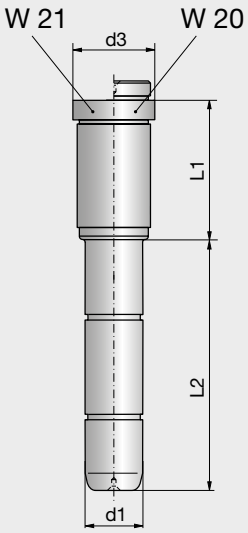
Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	22	■	■	■
			27	■	■	■
F61		11	22	■	■	■
			27	■	■	■

Type	B x L = 196 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

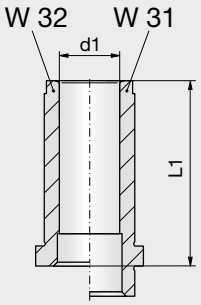
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

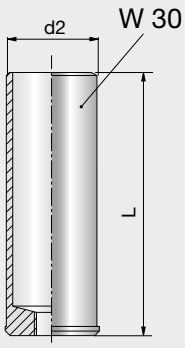
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 18/20

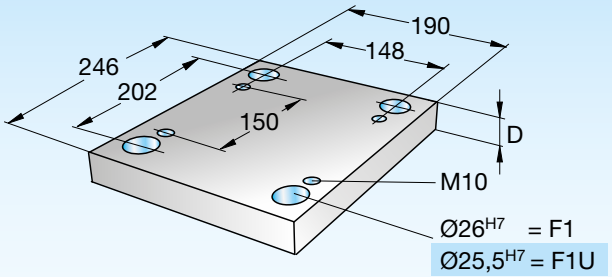


d1 = 18/20



d2 = 26

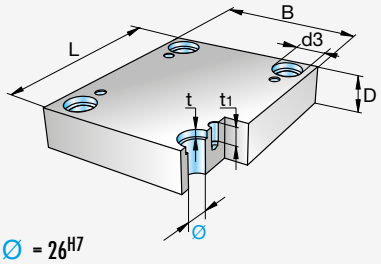
Formplatten 190 x 246 | Cavity plates 190 x 246 | Plaques porte-empreinte 190 x 246

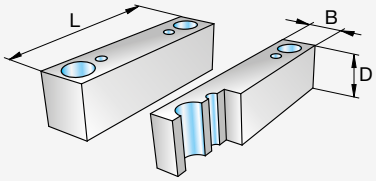


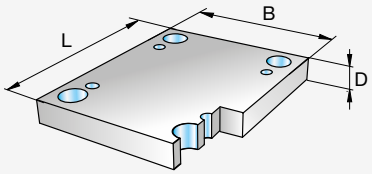
OXA

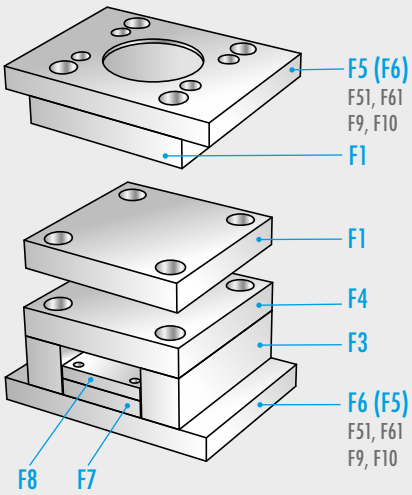
190 x 246

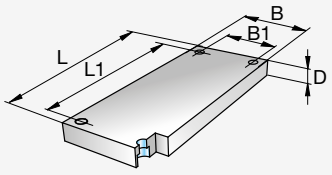
190 x 246-
Type-D-Mat.

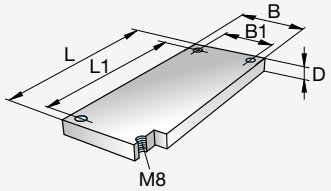
Type	B x L = 190 x 246	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 26H7 F1U Ø = 25,5H7	6,3	17	32	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■	■	■	■	■	■	■	■
			15		36	■	■	■	■	■	■	■	■
			15		46	■	■	■	■	■	■	■	■
			15		56	■	■	■	■	■	■	■	■
			15		66	■	■	■	■	■	■	■	■
			15		76	■	■	■	■	■	■	■	■
			15		86	■	■	■	■	■	■	■	■
			15		96	■	■	■	■	■	■	■	■

Type	B x L = 38 x 246	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

Type	B x L = 190 x 246	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■

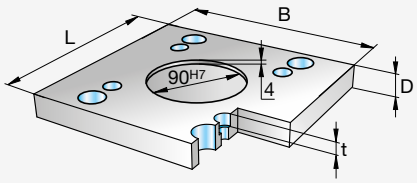
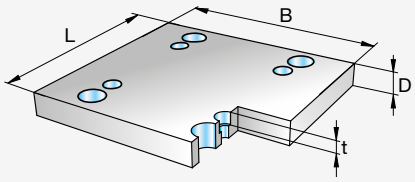


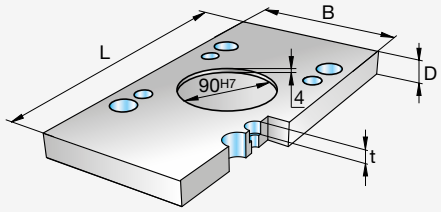
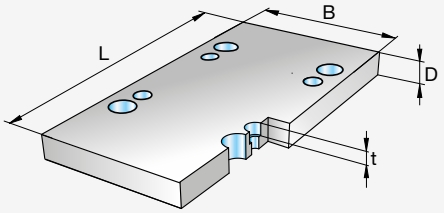
Type	B x L = 112 x 246 / B1 x L1 = 90 x 182	D	Mat. 1730	2085	2312
F7		17	■	■	■

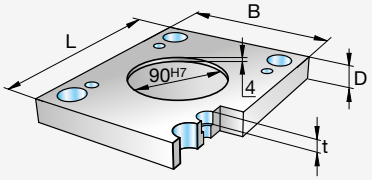
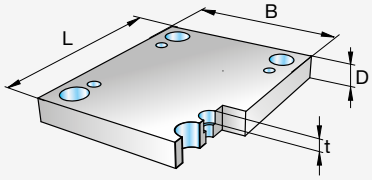
Type	B x L = 112 x 246 / B1 x L1 = 90 x 182	D	Mat. 1730	2085	2312
F8		12	■	■	

D 3001 09.2017

Formplatten 190 x 246 | Cavity plates 190 x 246

Type	B x L = 254 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	27	■	■	■
			36	■	■	■
F6		11	22	■	■	■
			27	■	■	■

Type	B x L = 190 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	27	■	■	■
			36	■	■	■
F61		11	22	■	■	■
			27	■	■	■

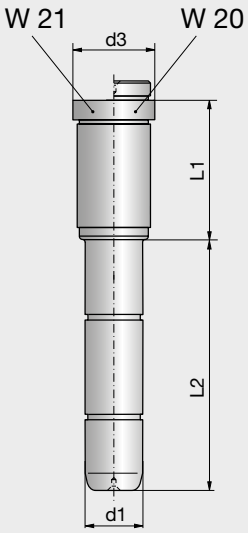
Type	B x L = 190 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

Plaques porte-empreinte 190 x 246

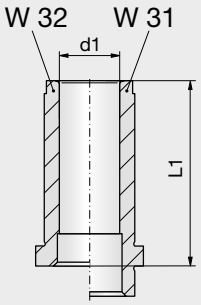
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

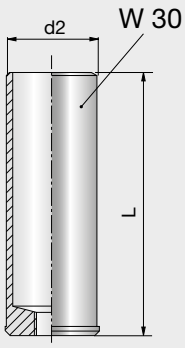
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 18/20



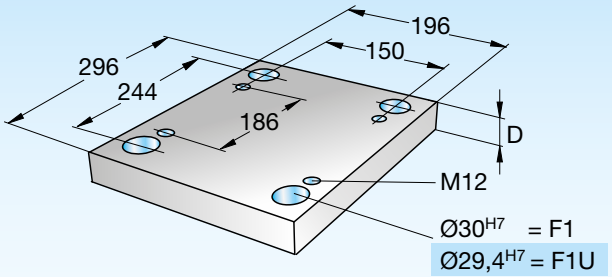
d1 = 18/20



d2 = 26

D 3001 09.2017

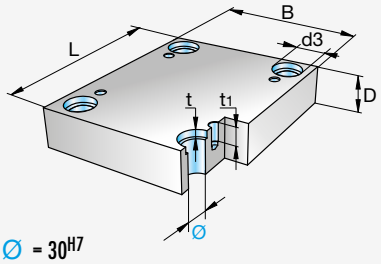
Formplatten 196 x 296 | Cavity plates 196 x 296 | Plaques porte-empreinte 196 x 296

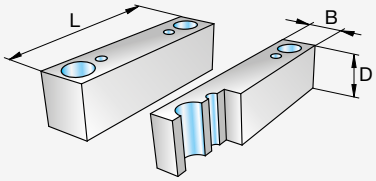


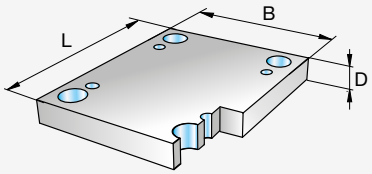
OXA

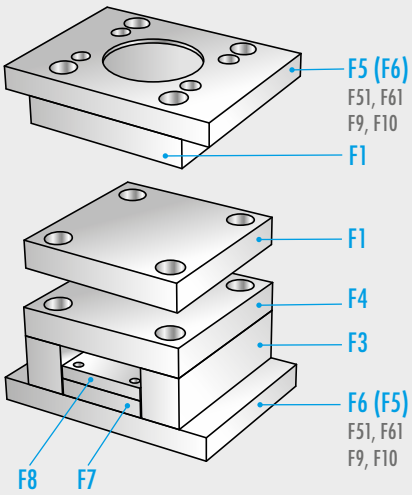
196 x 296

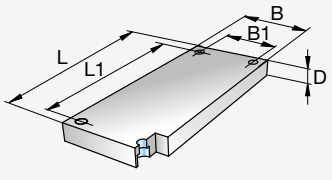
196 x 296-Type-D-Mat.

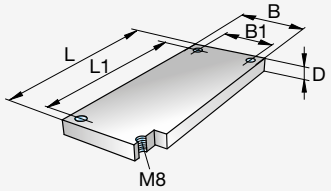
Type	B x L = 196 x 296	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	17	36	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			18		27	■	■	■	■	■	■	■	■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■

Type	B x L = 43 x 296	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 196 x 296	D	Mat. 1730	2085	2312
F4		36	■	■	■

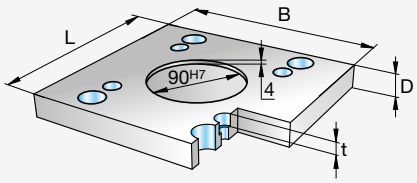
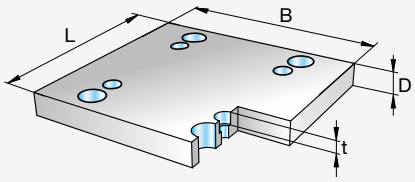


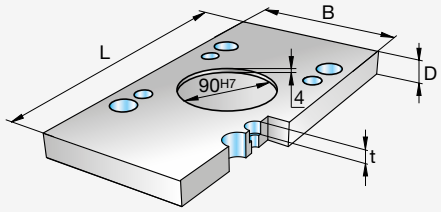
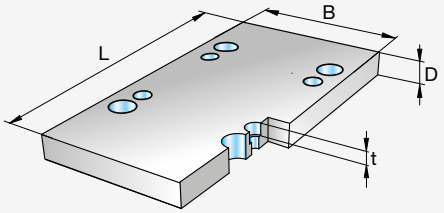
Type	B x L = 108 x 296 / B1 x L1 = 90 x 230	D	Mat. 1730	2085	2312
F7		17	■	■	■

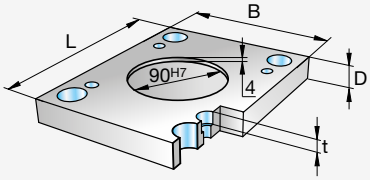
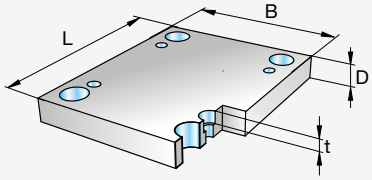
Type	B x L = 108 x 296 / B1 x L1 = 90 x 230	D	Mat. 1730	2085	2312
F8		12	■	■	

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Formplatten 196 x 296 | Cavity plates 196 x 296

Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

Type	B x L = 196 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

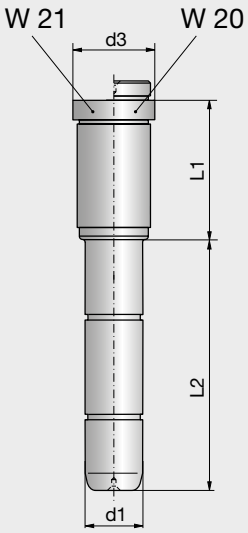
Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	17	■	■	
			22	■	■	■
			27	■	■	■

Plaques porte-empreinte 196 x 296

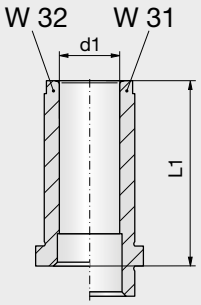
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

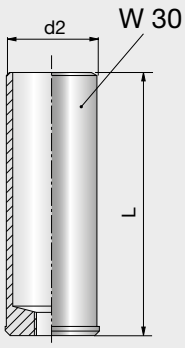
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24

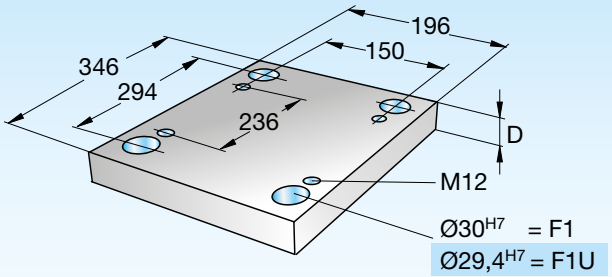


d1 = 22/24



d2 = 30

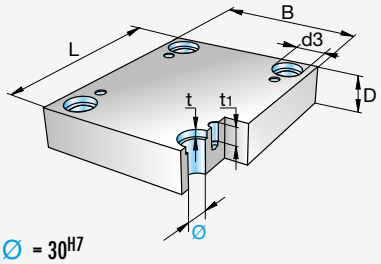
Formplatten 196 x 346 | Cavity plates 196 x 346 | Plaques porte-empreinte 196 x 346

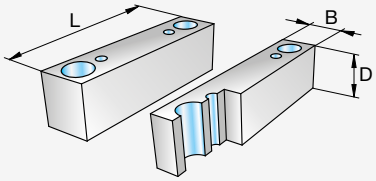


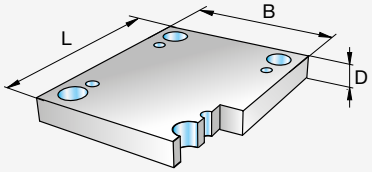
OXA

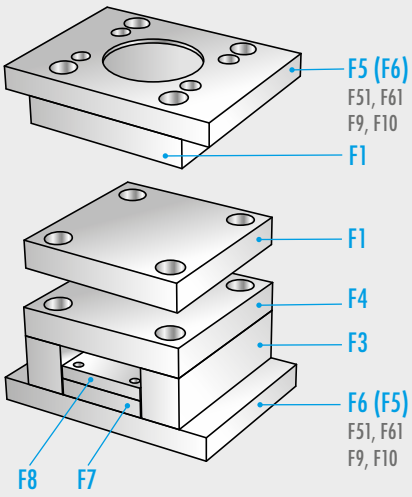
196 x 346

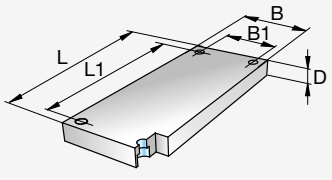
196 x 346-
Type-D-Mat.

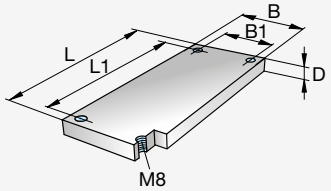
Type	B x L = 196 x 346	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	17	36	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			18		27	■	■	■	■	■	■	■	■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■

Type	B x L = 43 x 346	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 196 x 346	D	Mat. 1730	2085	2312
F4		36	■	■	■



Type	B x L = 108 x 346 / B1 x L1 = 90 x 280	D	Mat. 1730	2085	2312
F7		17	■	■	■

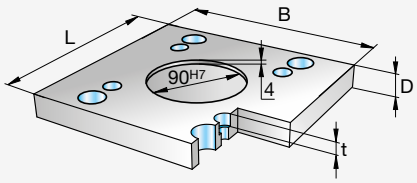
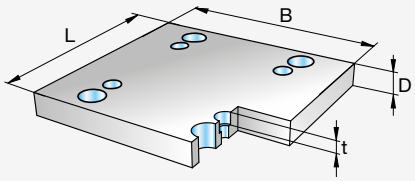
Type	B x L = 108 x 346 / B1 x L1 = 90 x 280	D	Mat. 1730	2085	2312
F8		12	■	■	

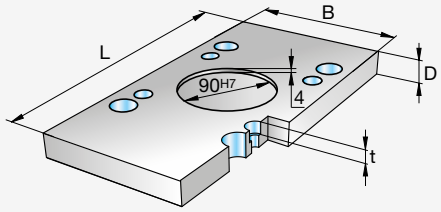
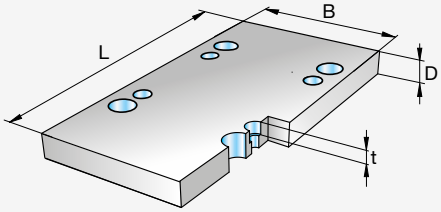
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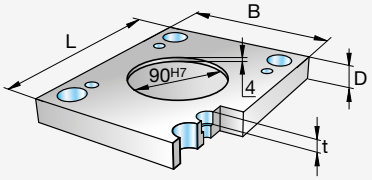
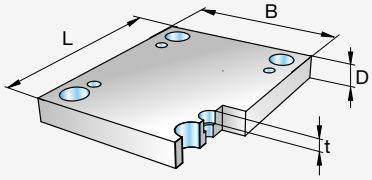
Formplatten 196 x 346

Cavity plates 196 x 346

Plaques porte-empreinte 196 x 346

Type	B x L = 246 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

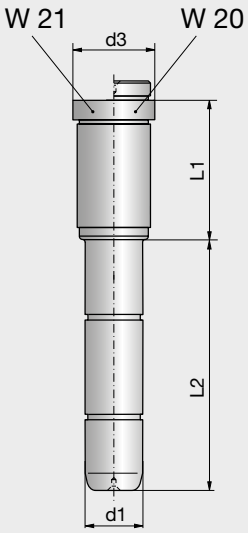
Type	B x L = 196 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 196 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	17	■	■	
			22	■	■	■
			27	■	■	■

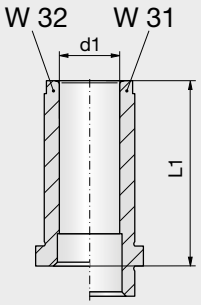
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

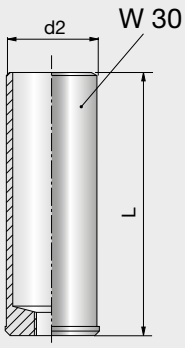
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



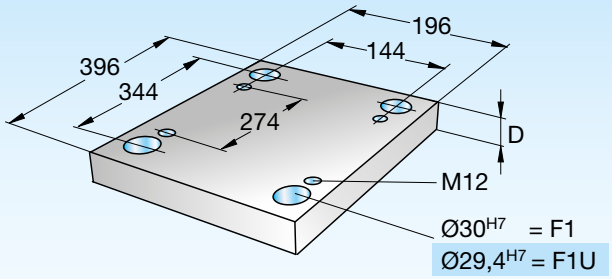
d1 = 22/24



d2 = 30

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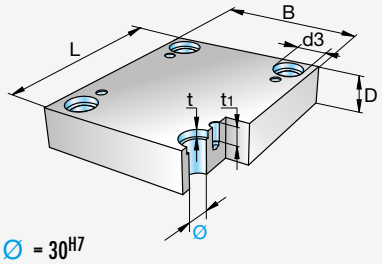
Formplatten 196 x 396 | Cavity plates 196 x 396 | Plaques porte-empreinte 196 x 396



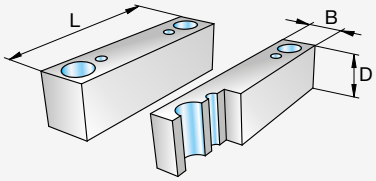
OXA

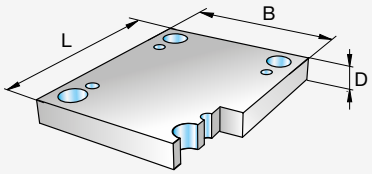
196 x 396

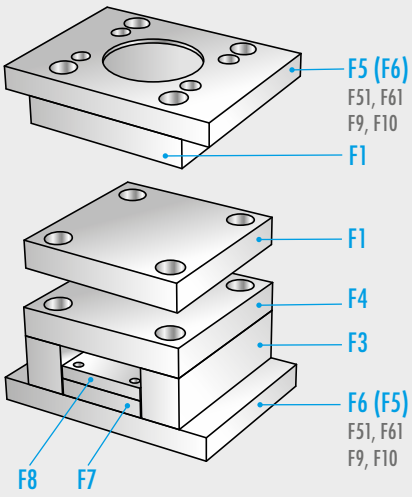
196 x 396-
Type-D-Mat.

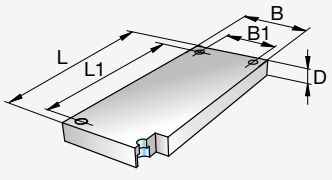
Type	B x L = 196 x 396	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		

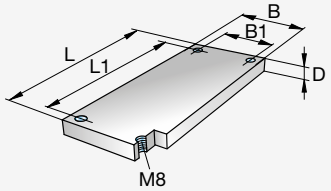
F1 Ø = 30H7
F1U Ø = 29,4H7

Type	B x L = 43 x 396	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 196 x 396	D	Mat. 1730	2085	2312
F4		36	■	■	■



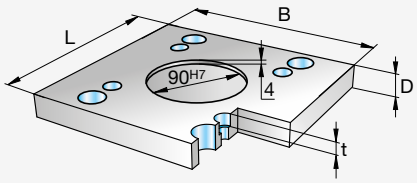
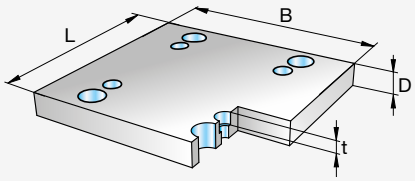
Type	B x L = 108 x 396 / B1 x L1 = 90 x 330	D	Mat. 1730	2085	2312
F7		22	■	■	■

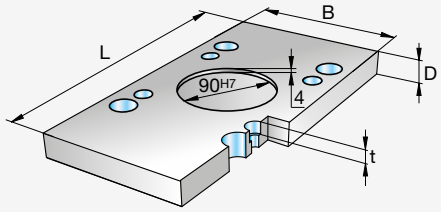
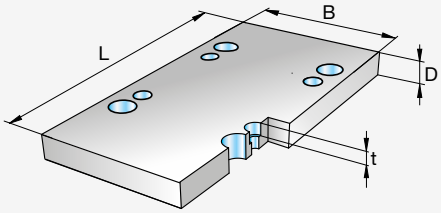
Type	B x L = 108 x 396 / B1 x L1 = 90 x 330	D	Mat. 1730	2085	2312
F8		17	■	■	

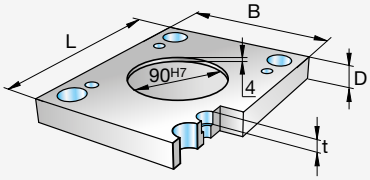
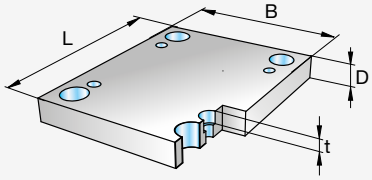
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Formplatten 196 x 396 | Cavity plates 196 x 396

Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

Type	B x L = 196 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	36	■	■	■
F61		13	36	■	■	■

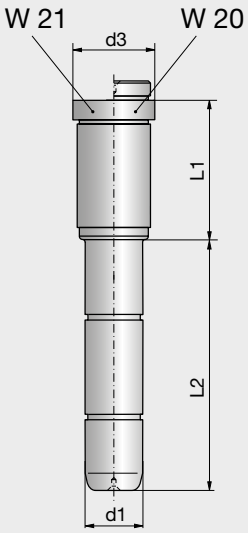
Type	B x L = 196 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

Plaques porte-empreinte 196 x 396

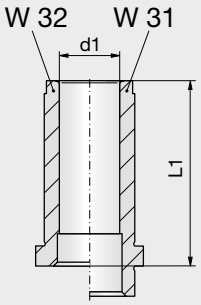
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

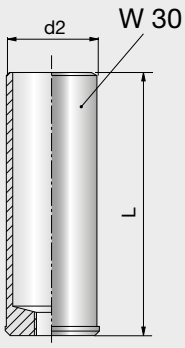
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



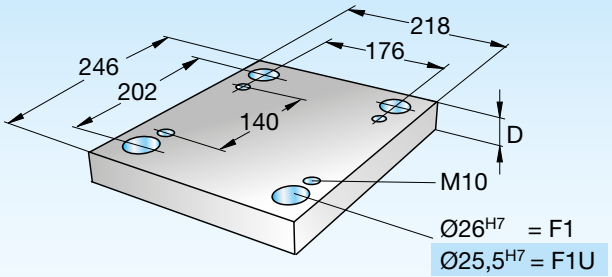
d1 = 22/24



d2 = 30

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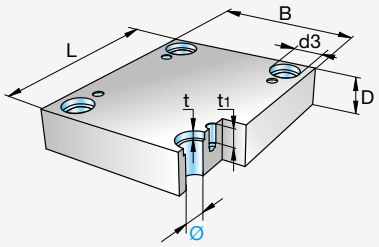
Formplatten 218 x 246 | Cavity plates 218 x 246 | Plaques porte-empreinte 218 x 246

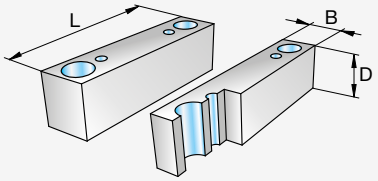


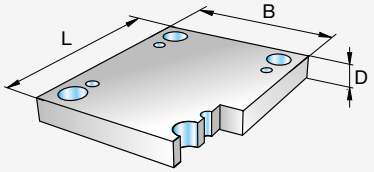
OXA

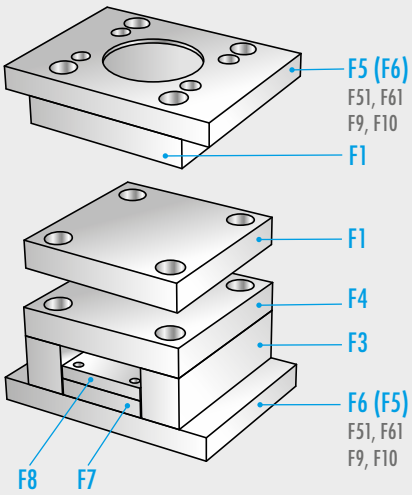
218 x 246

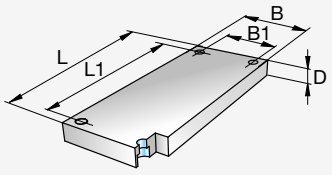
218 x 246-
Type-D-Mat.

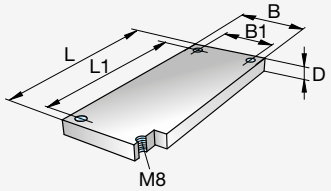
Type	B x L = 218 x 246	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 26H7 F1U Ø = 25,5H7	6,3	17	32	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			15		27	■		■	■	■	■		■
			15		36	■		■	■	■	■		■
			15		46	■		■	■	■	■		■
			15		56	■		■	■	■	■		■
			15		66	■		■	■	■	■		■
			15		76	■		■	■	■	■		■
			15		86	■		■	■	■	■		■
			15		96	■		■	■	■	■		■

Type	B x L = 38 x 246	D	Mat. 1730	2085	2312
F3		46	■	■	
		56	■	■	
		76	■	■	

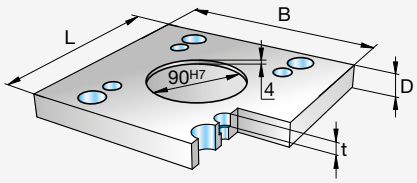
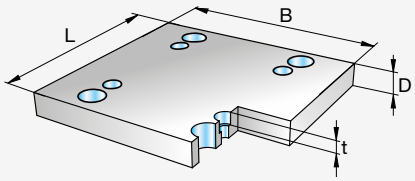
Type	B x L = 218 x 246	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■

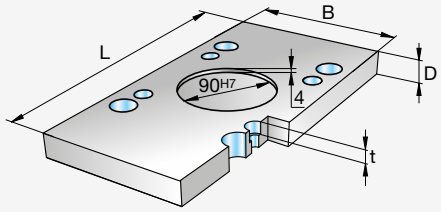
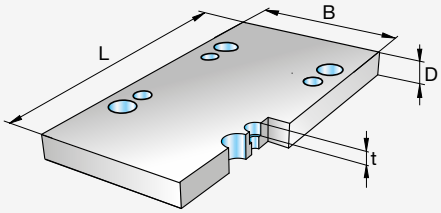


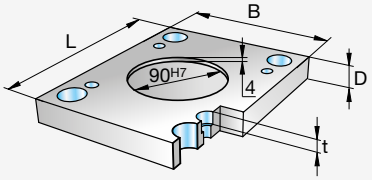
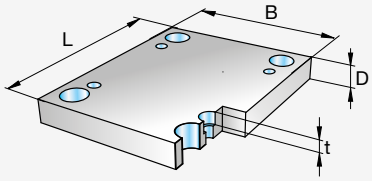
Type	B x L = 140 x 246 / B1 x L1 = 118 x 182	D	Mat. 1730	2085	2312
F7		17	■	■	■

Type	B x L = 140 x 246 / B1 x L1 = 118 x 182	D	Mat. 1730	2085	2312
F8		12	■	■	

Formplatten 218 x 246 | Cavity plates 218 x 246 | Plaques porte-empreinte 218 x 246

Type	B x L = 276 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		11	22	■	■	■
			27	■	■	■
F6		11	22	■	■	■
			27	■	■	■

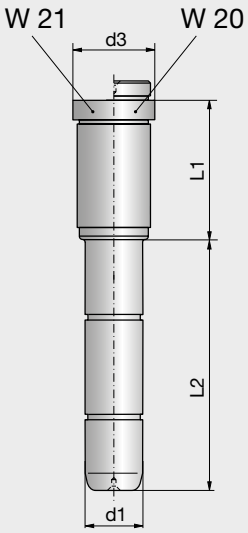
Type	B x L = 218 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		11	22	■	■	■
			27	■	■	■
F61		11	22	■	■	■
			27	■	■	■

Type	B x L = 218 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		11	17	■	■	■
			22	■	■	■
F10		11	17	■	■	■
			22	■	■	■

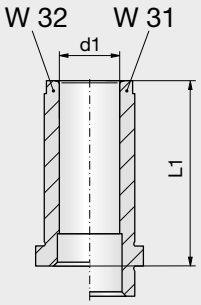
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

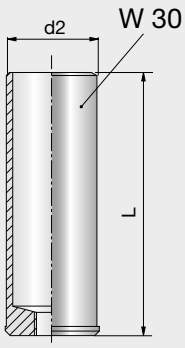
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 18/20



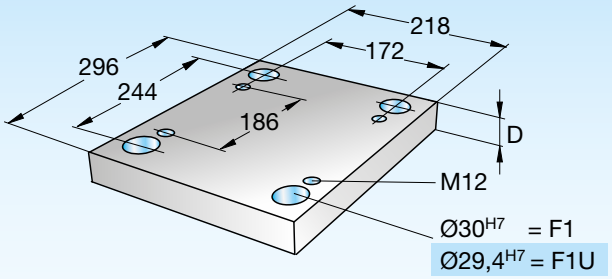
d1 = 18/20



d2 =26

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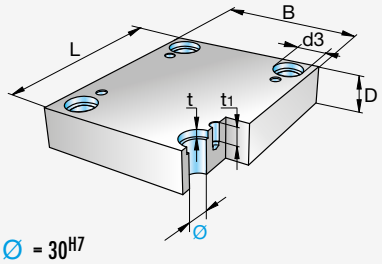
Formplatten 218 x 296 | Cavity plates 218 x 296 | Plaques porte-empreinte 218 x 296

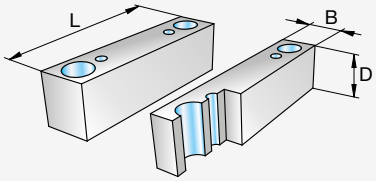


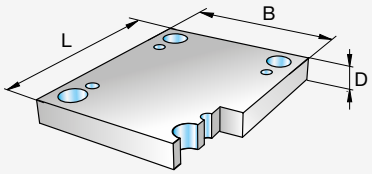
OXA

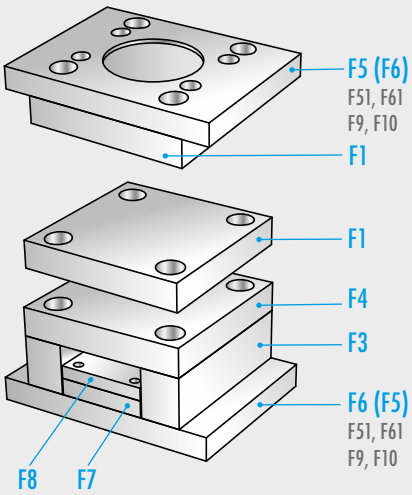
218 x 296

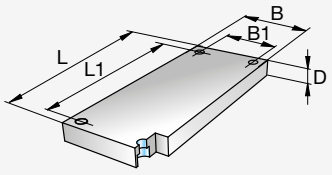
218 x 296-
Type-D-Mat.

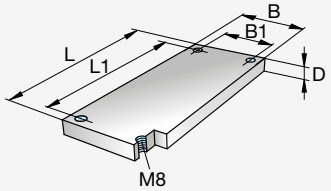
Type	B x L = 218 x 296	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	17	36	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■		■	■	■	■		■
			18		46	■		■	■	■	■		■
			18		56	■		■	■	■	■		■
			18		66	■		■	■	■	■		■
			18		76	■		■	■	■	■		■
			18		86	■		■	■	■	■		■
			18		96	■		■	■	■	■		■

Type	B x L = 43 x 296	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 218 x 296	D	Mat. 1730	2085	2312
F4		27	■	■	■
		36	■	■	■

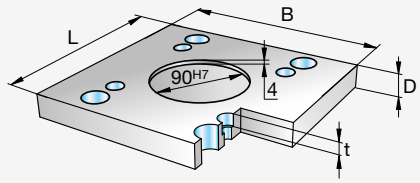
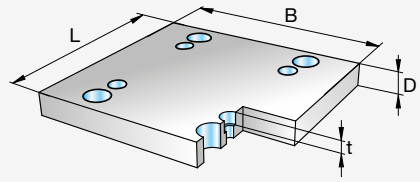


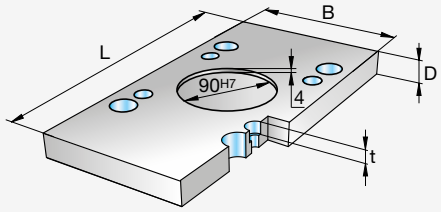
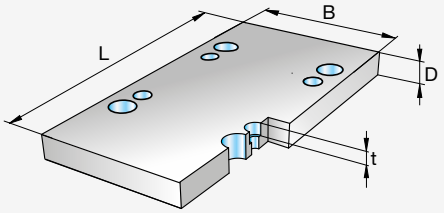
Type	B x L = 130 x 296 / B1 x L1 = 108 x 230	D	Mat. 1730	2085	2312
F7		17	■	■	■

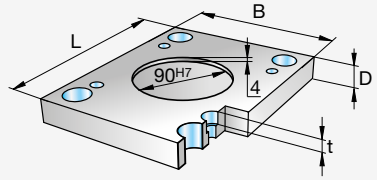
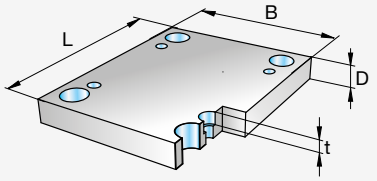
Type	B x L = 130 x 296 / B1 x L1 = 108 x 230	D	Mat. 1730	2085	2312
F8		12	■	■	

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Formplatten 218 x 296 | Cavity plates 218 x 296

Type	B x L = 276 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

Type	B x L = 218 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	22	■	■	
			27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

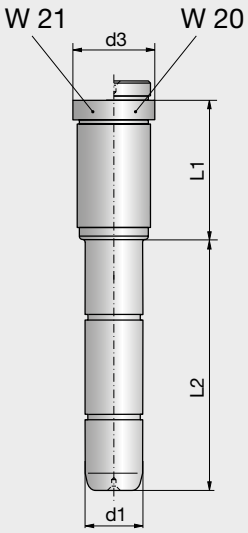
Type	B x L = 218 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	17	■	■	
			22	■	■	■
			27	■	■	■

Plaques porte-empreinte 218 x 296

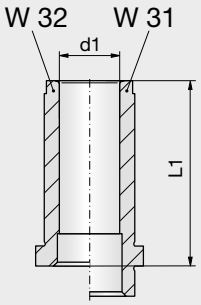
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

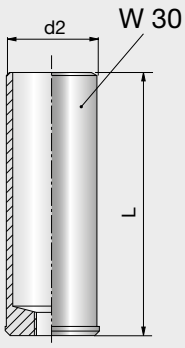
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



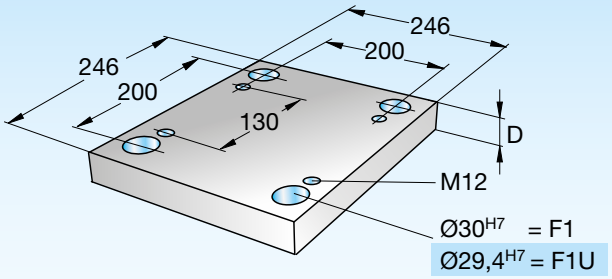
d1 = 22/24



d2 = 30

D 3001 09.2017

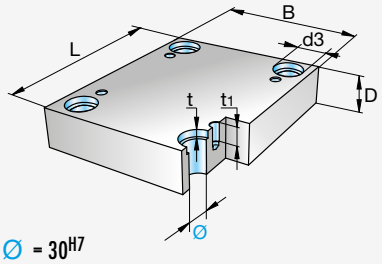
Formplatten 246 x 246 | Cavity plates 246 x 246 | Plaques porte-empreinte 246 x 246

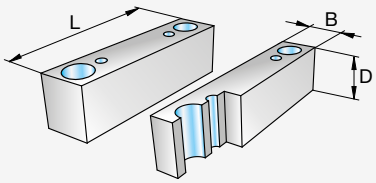


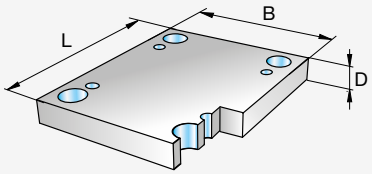
OXA

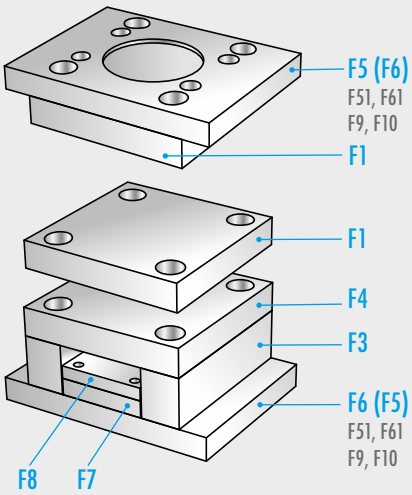
246 x 246

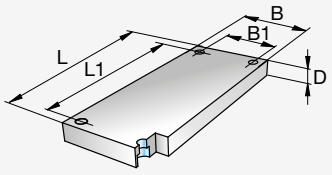
246 x 246-
Type-D-Mat.

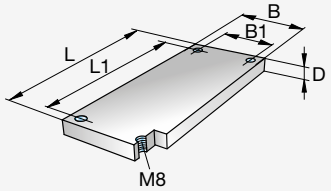
Type	B x L = 246 x 246	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	17	36	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			18		27	■	■	■	■	■	■	■	■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■

Type	B x L = 43 x 246	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 246	D	Mat. 1730	2085	2312
F4		36	■	■	■



Type	B x L = 158 x 246 / B1 x L1 = 130 x 180	D	Mat. 1730	2085	2312
F7		17	■	■	■

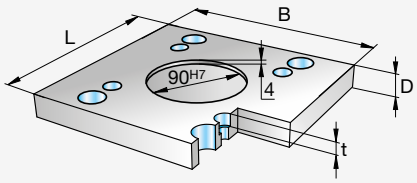
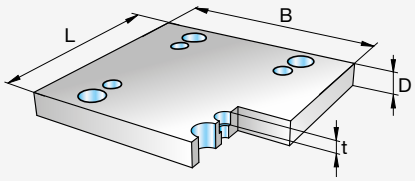
Type	B x L = 158 x 246 / B1 x L1 = 130 x 180	D	Mat. 1730	2085	2312
F8		12	■	■	

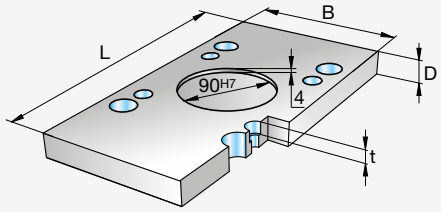
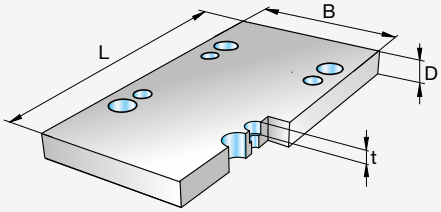
D 3001 09.2017

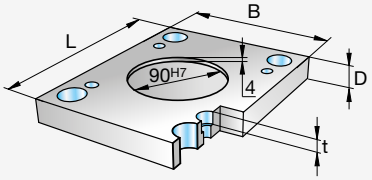
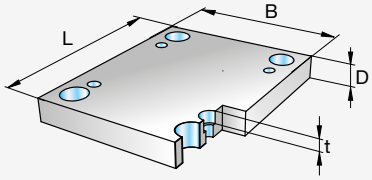
Formplatten 246 x 246

Cavity plates 246 x 246

Plaques porte-empreinte 246 x 246

Type	B x L = 296 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

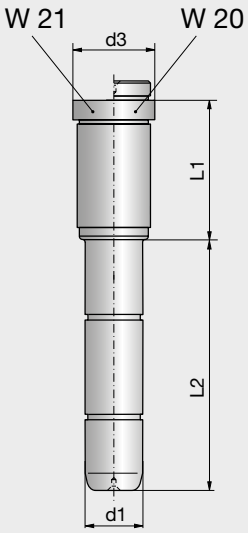
Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 246 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	17	■	■	
			22	■	■	■
			27	■	■	■

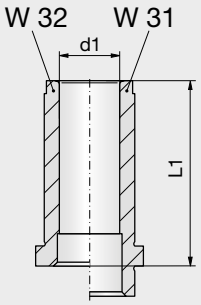
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

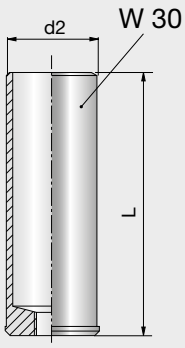
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



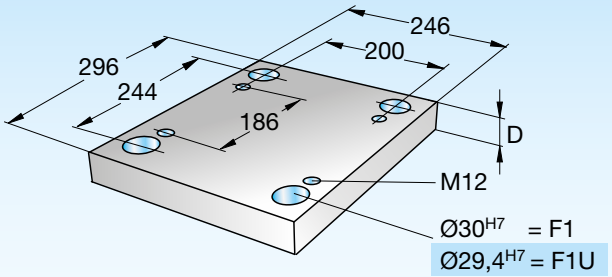
d1 = 22/24



d2 = 30

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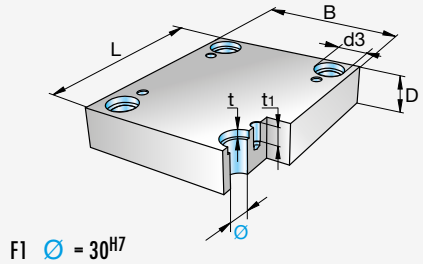
Formplatten 246 x 296 | Cavity plates 246 x 296 | Plaques porte-empreinte 246 x 296

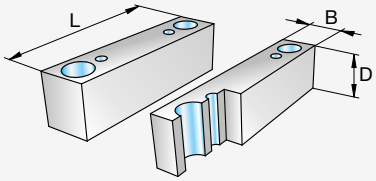


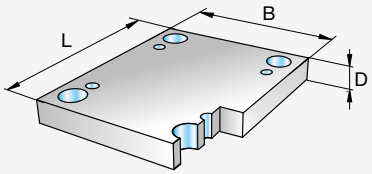
OXA

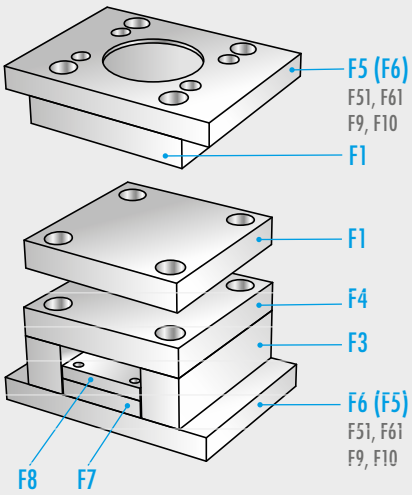
246 x 296

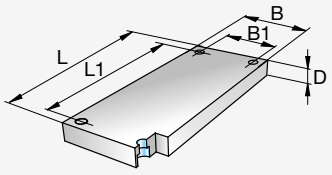
246 x 296-
Type-D-Mat.

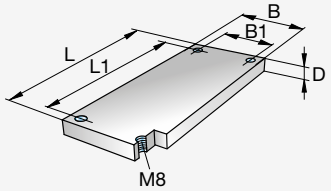
Type	B x L = 246 x 296	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	17	36	17	■		■	■	■	■		■
			22		22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 43 x 296	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 296	D	Mat. 1730	2085	2312
F4		36	■	■	■



Type	B x L = 158 x 296 / B1 x L1 = 130 x 230	D	Mat. 1730	2085	2312
F7		17	■	■	■

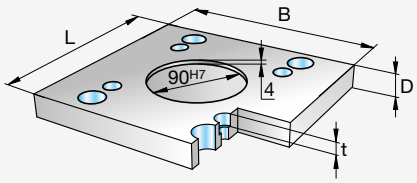
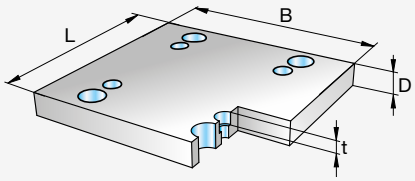
Type	B x L = 158 x 296 / B1 x L1 = 130 x 230	D	Mat. 1730	2085	2312
F8		12	■	■	

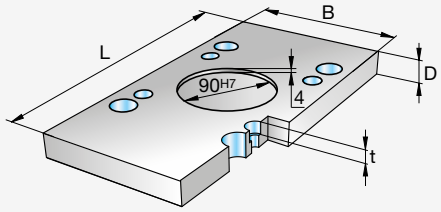
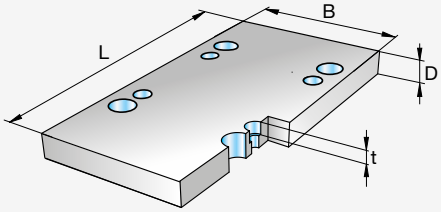
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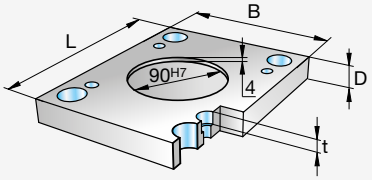
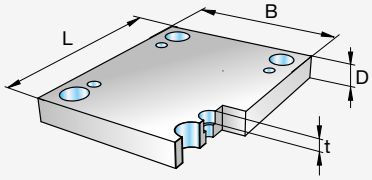
Formplatten 246 x 296

Cavity plates 246 x 296

Plaques porte-empreinte 246 x 296

Type	B x L = 296 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

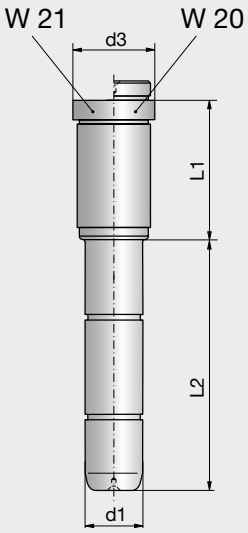
Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	17	■	■	
			22	■	■	■
			27	■	■	■

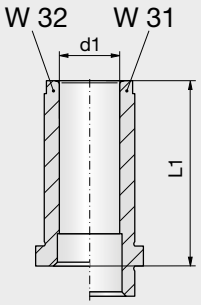
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

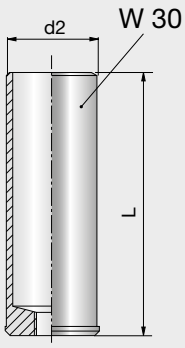
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



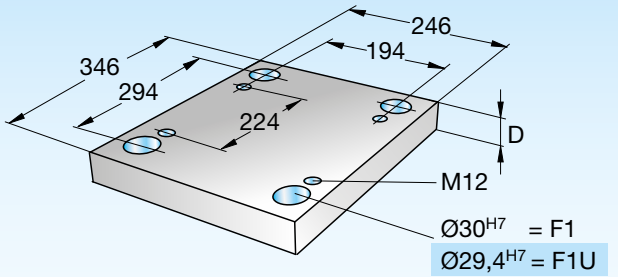
d1 = 22/24



d2 = 30

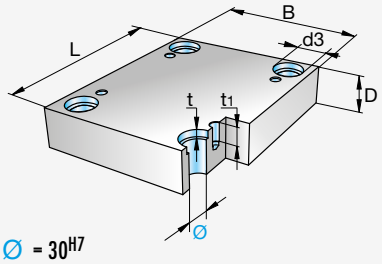
D 3001 09.2017

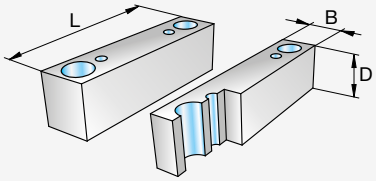
Formplatten 246 x 346 | Cavity plates 246 x 346 | Plaques porte-empreinte 246 x 346

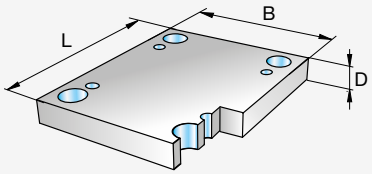


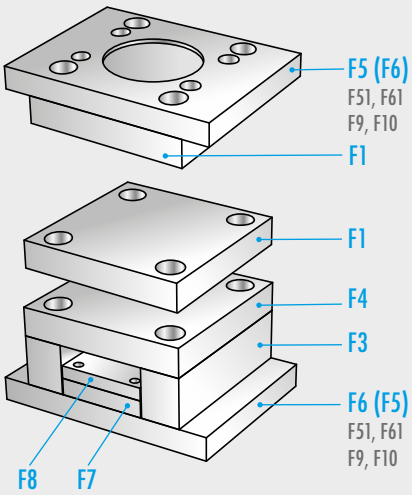
246 x 346

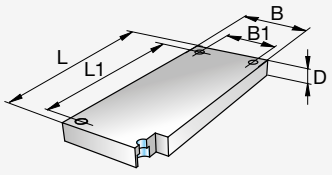
246 x 346-
Type-D-Mat.

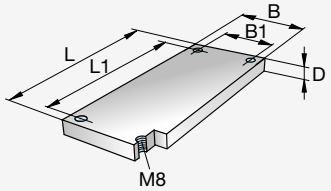
Type	B x L = 246 x 346	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 43 x 346	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 346	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

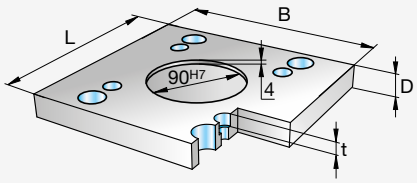
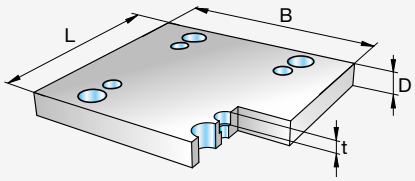


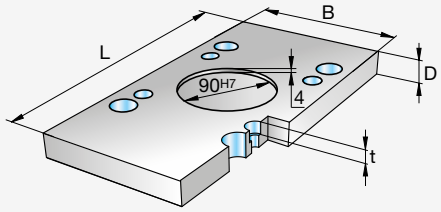
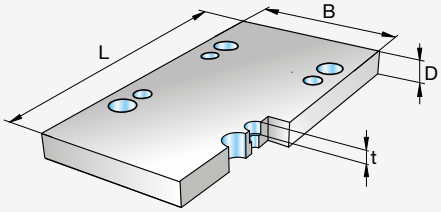
Type	B x L = 158 x 346 / B1 x L1 = 136 x 286	D	Mat. 1730	2085	2312
F7		22	■	■	■

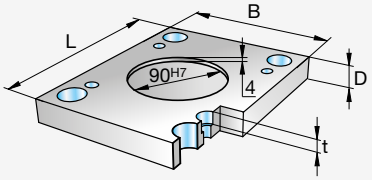
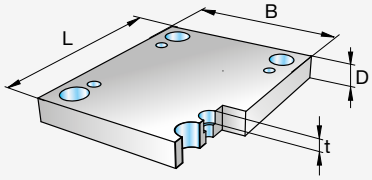
Type	B x L = 158 x 346 / B1 x L1 = 136 x 286	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 246 x 346 | Cavity plates 246 x 346

Type	B x L = 296 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

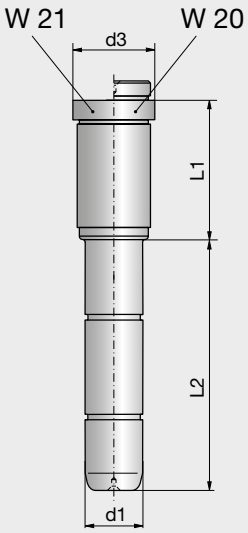
Type	B x L = 246 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

Plaques porte-empreinte 246 x 346

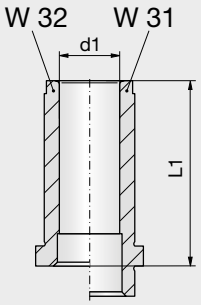
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

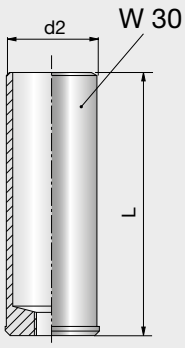
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



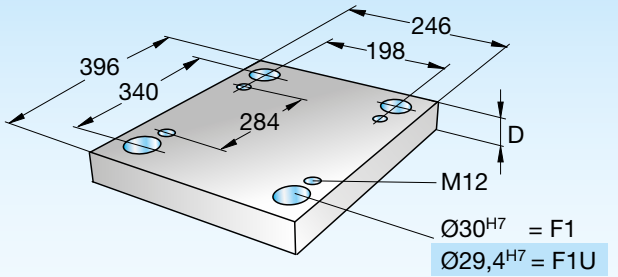
d1 = 22/24



d2 = 30

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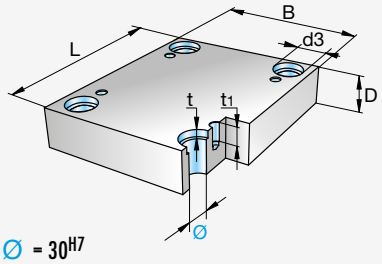
Formplatten 246 x 396 | Cavity plates 246 x 396 | Plaques porte-empreinte 246 x 396

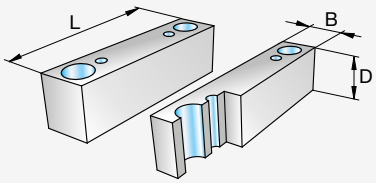


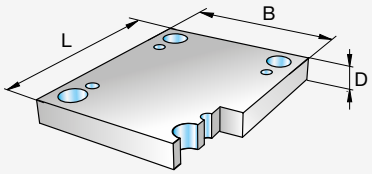
OXA

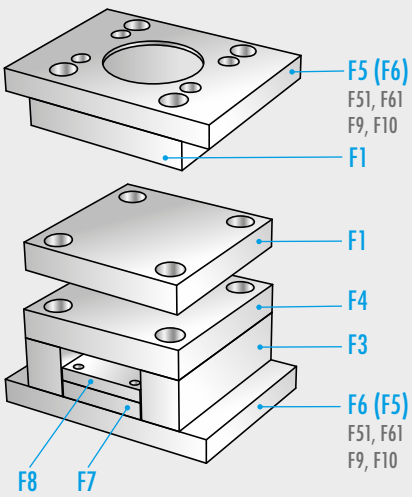
246 x 396

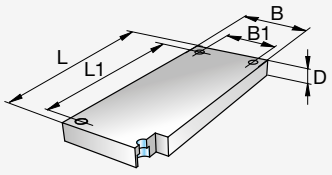
246 x 396-
Type-D-Mat.

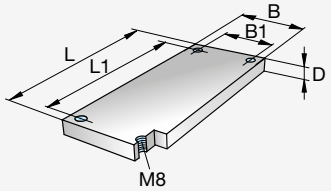
Type	B x L = 246 x 396	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 47 x 396	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 396	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

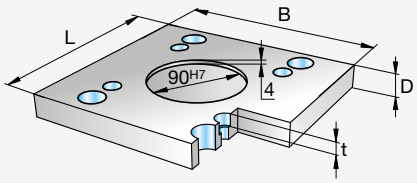
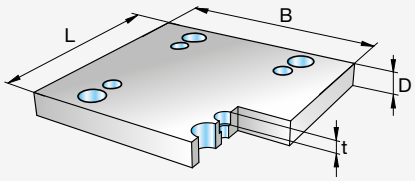


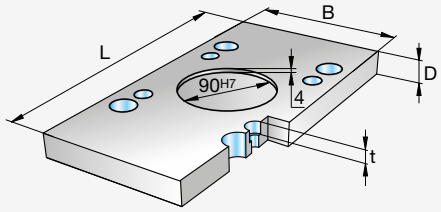
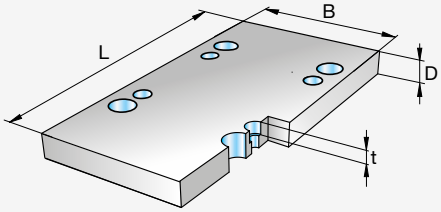
Type	B x L = 150 x 396 / B1 x L1 = 122 x 330	D	Mat. 1730	2085	2312
F7		22	■	■	■

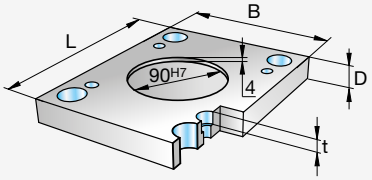
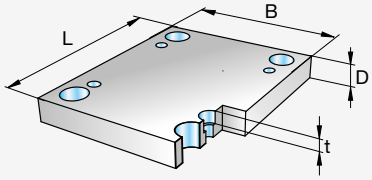
Type	B x L = 150 x 396 / B1 x L1 = 122 x 330	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 246 x 396 | Cavity plates 246 x 396 | Plaques porte-empreinte 246 x 396

Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

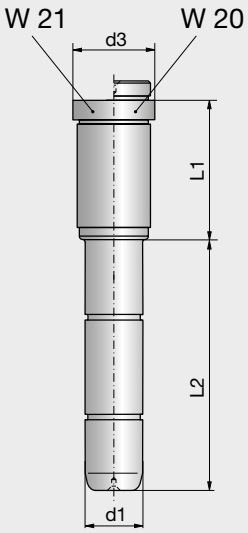
Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 246 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

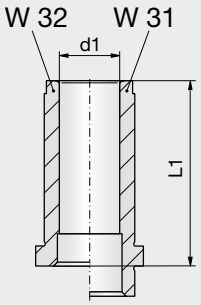
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

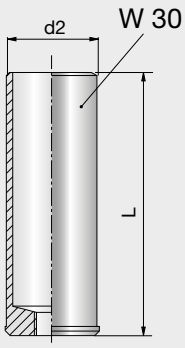
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24

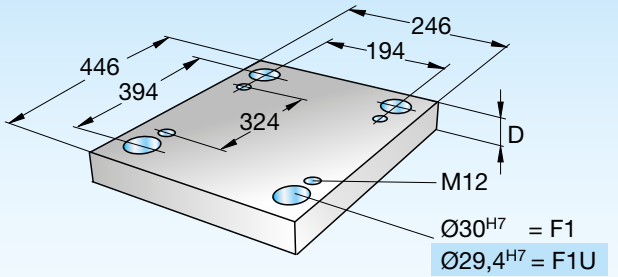


d1 = 22/24



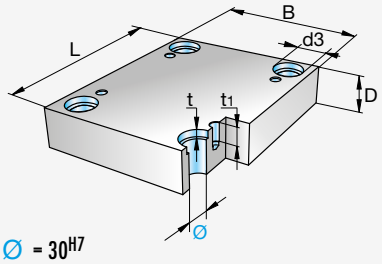
d2 = 30

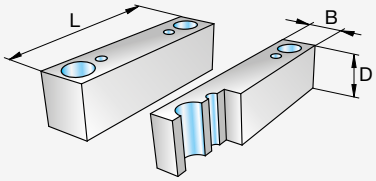
Formplatten 246 x 446 | Cavity plates 246 x 446 | Plaques porte-empreinte 246 x 446

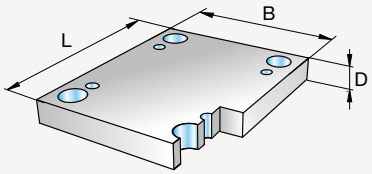


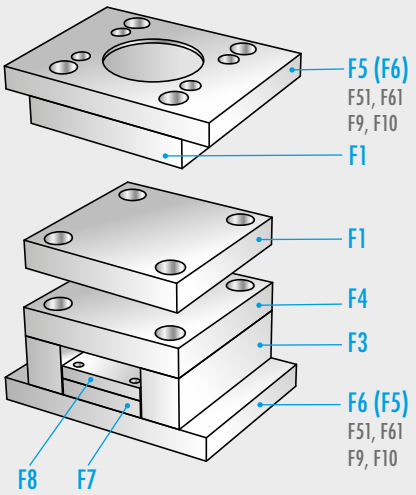
246 x 446

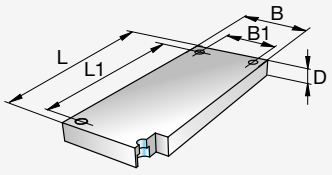
246 x 446-
Type-D-Mat.

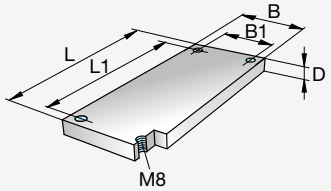
Type	B x L = 246 x 446	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

Type	B x L = 43 x 446	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 446	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

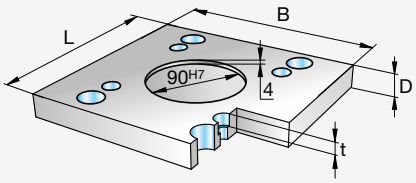
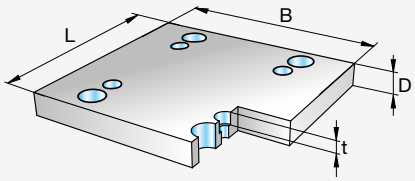


Type	B x L = 158 x 446 / B1 x L1 = 130 x 380	D	Mat. 1730	2085	2312
F7		22	■	■	■

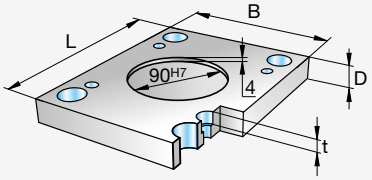
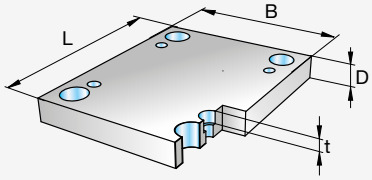
Type	B x L = 158 x 446 / B1 x L1 = 130 x 380	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 246 x 446 | Cavity plates 246 x 446 | Plaques porte-empreinte 246 x 446

Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

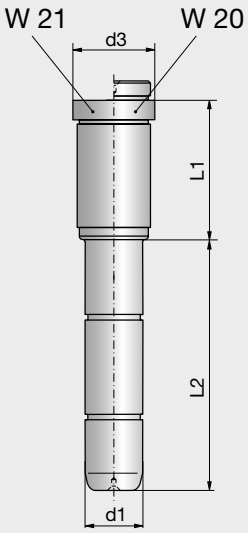
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 246 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

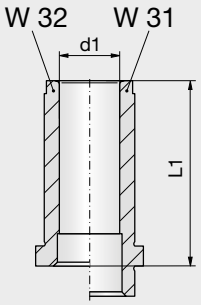
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

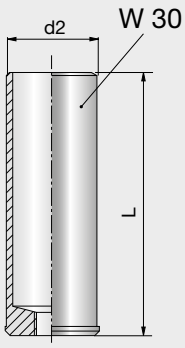
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



d1 = 22/24

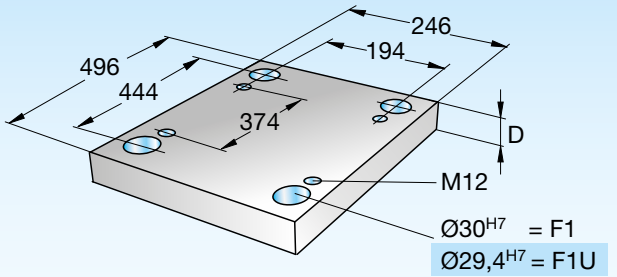


d2 = 30

2

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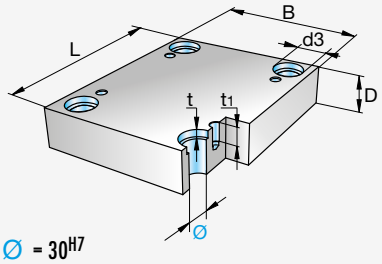
Formplatten 246 x 496 | Cavity plates 246 x 496 | Plaques porte-empreinte 246 x 496



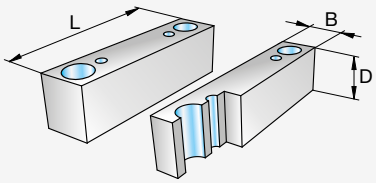
OXA

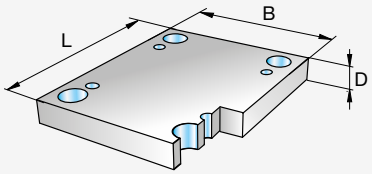
246 x 496

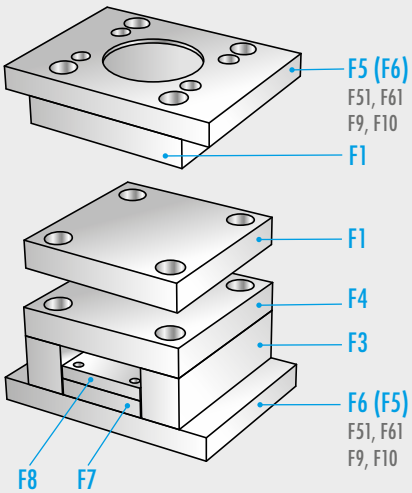
246 x 496-
Type-D-Mat.

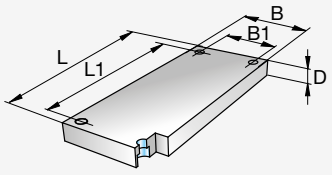
Type	B x L = 246 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

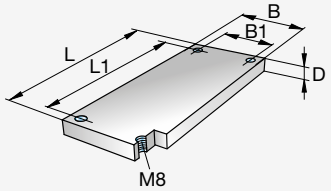
F1 Ø = 30H7
F1U Ø = 29,4H7

Type	B x L = 43 x 496	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 246 x 496	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■



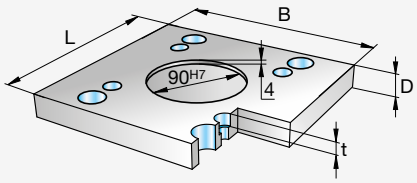
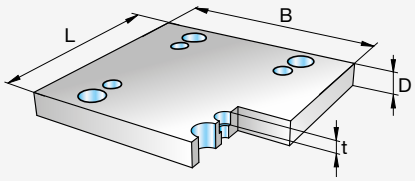
Type	B x L = 158 x 496 / B1 x L1 = 130 x 430	D	Mat. 1730	2085	2312
F7		22	■	■	■

Type	B x L = 158 x 496 / B1 x L1 = 130 x 430	D	Mat. 1730	2085	2312
F8		17	■	■	

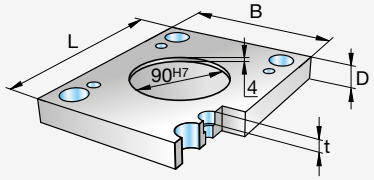
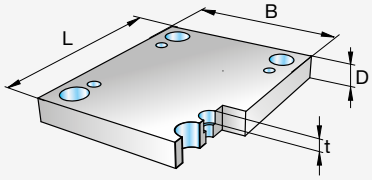
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STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

Formplatten 246 x 496 | Cavity plates 246 x 496

Type	B x L = 296 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

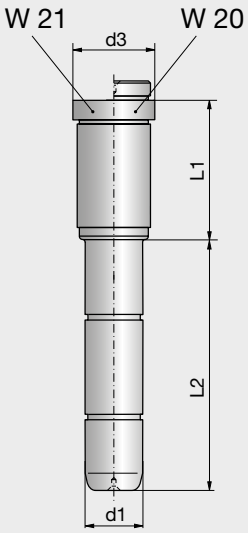
Type	B x L = 246 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

Plaques porte-empreinte 246 x 496

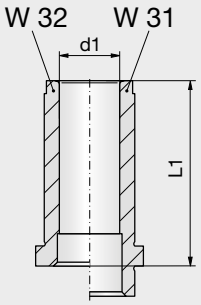
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

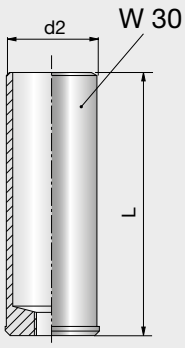
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



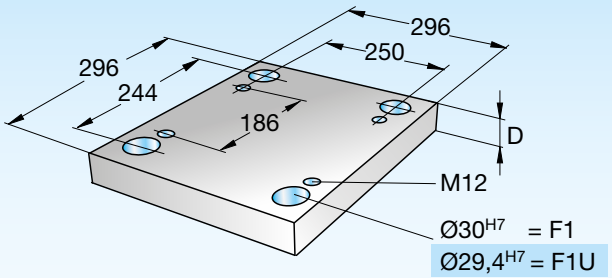
d1 = 22/24



d2 = 30

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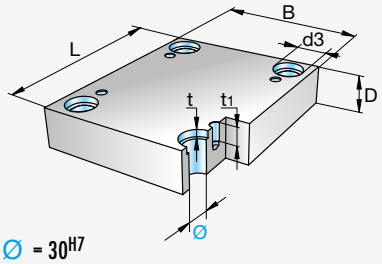
Formplatten 296 x 296 | Cavity plates 296 x 296 | Plaques porte-empreinte 296 x 296

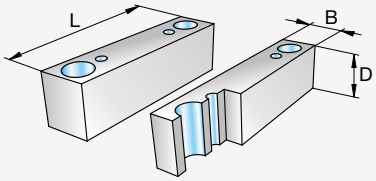


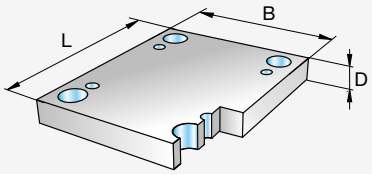
OXA

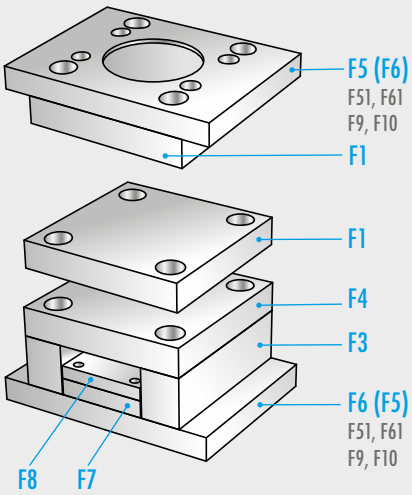
296 x 296

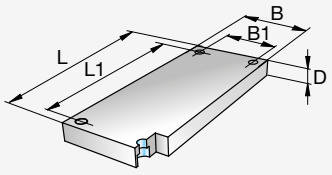
296 x 296-
Type-D-Mat.

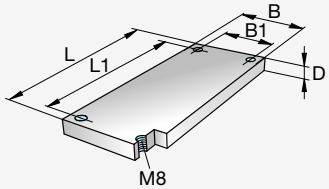
Type	B x L = 296 x 296	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 43 x 296	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x 296	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

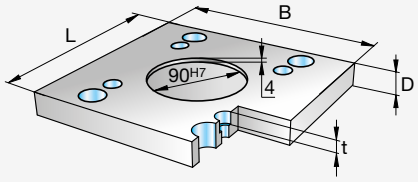
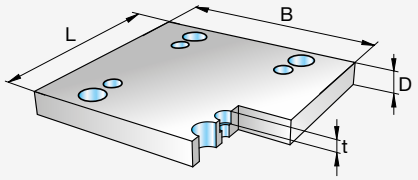


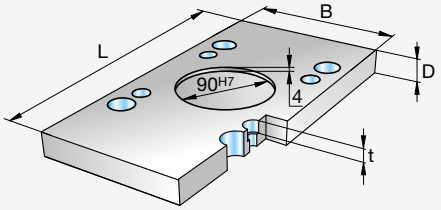
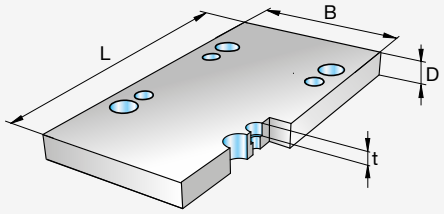
Type	B x L = 208 x 296 / B1 x L1 = 180 x 230	D	Mat. 1730	2085	2312
F7		17	■	■	■

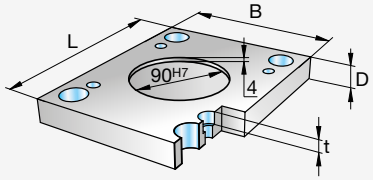
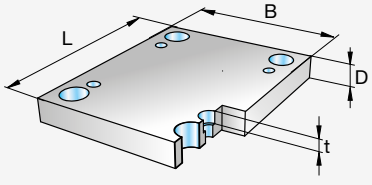
Type	B x L = 208 x 296 / B1 x L1 = 180 x 230	D	Mat. 1730	2085	2312
F8		12	■	■	

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Formplatten 296 x 296 | Cavity plates 296 x 296 | Plaques porte-empreinte 296 x 296

Type	B x L = 346 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

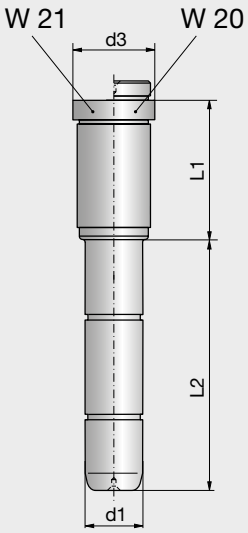
Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 296 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

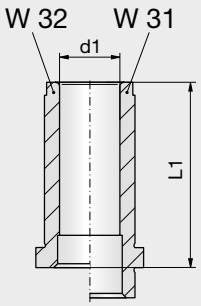
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

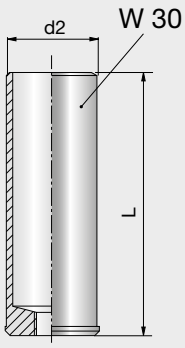
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



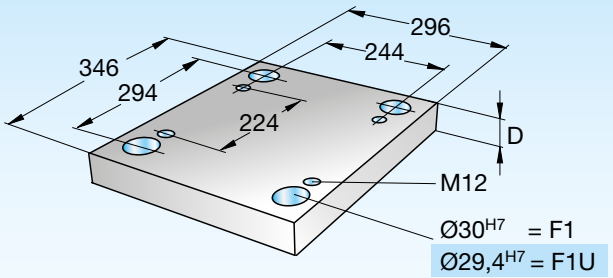
d1 = 22/24



d2 = 30

D 3001 09.2017

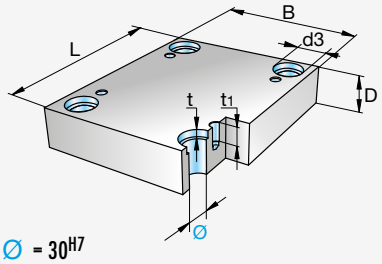
Formplatten 296 x 346 | Cavity plates 296 x 346 | Plaques porte-empreinte 296 x 346

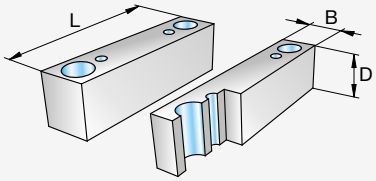


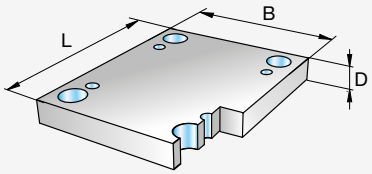
OXA

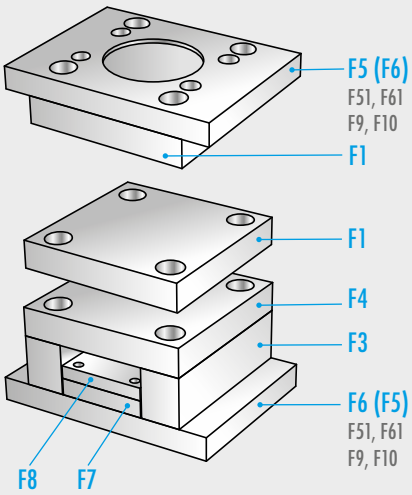
296 x 346

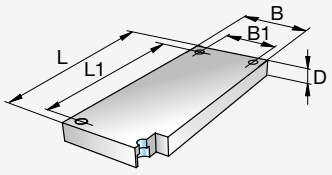
296 x 346-
Type-D-Mat.

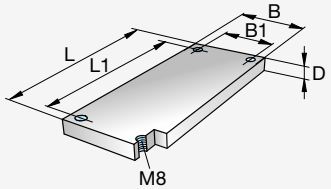
Type	B x L = 296 x 346	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 43 x 346	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x 346	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

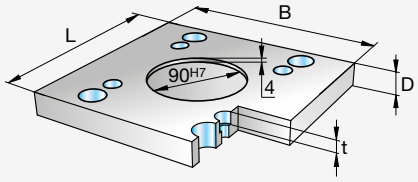
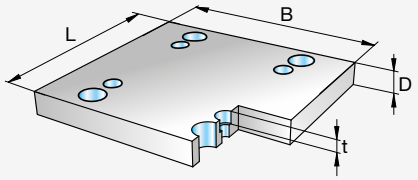


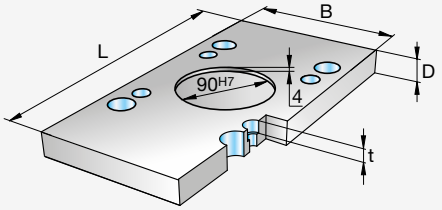
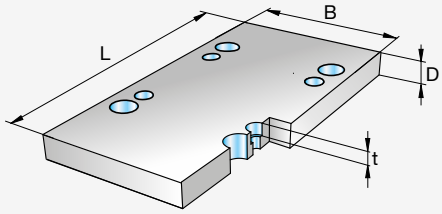
Type	B x L = 208 x 346 / B1 x L1 = 186 x 286	D	Mat. 1730	2085	2312
F7		22	■	■	■

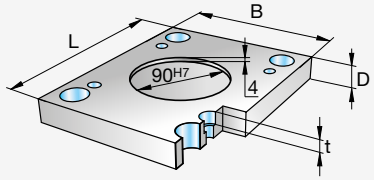
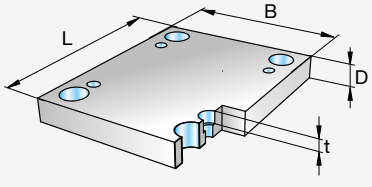
Type	B x L = 208 x 346 / B1 x L1 = 186 x 286	D	Mat. 1730	2085	2312
F8		17	■	■	

D 3001 09.2017

Formplatten 296 x 346 | Cavity plates 296 x 346 | Plaques porte-empreinte 296 x 346

Type	B x L = 346 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

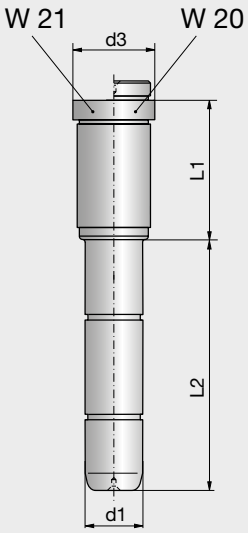
Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 296 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

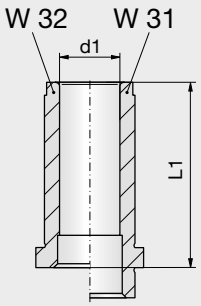
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

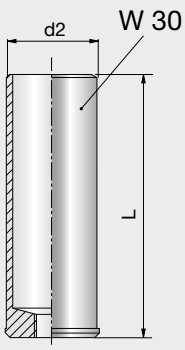
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



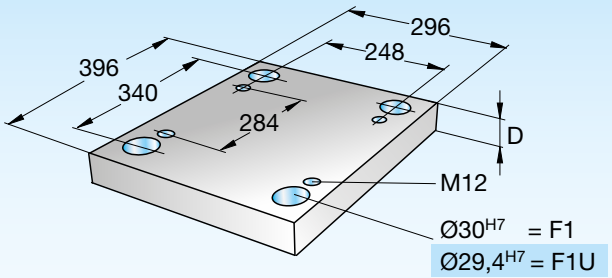
d1 = 22/24



d2 = 30

D 3001 09.2017

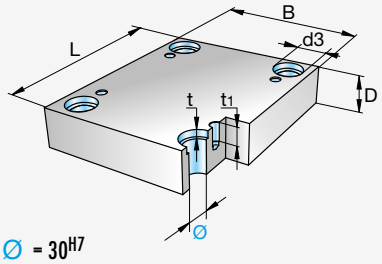
Formplatten 296 x 396 | Cavity plates 296 x 396 | Plaques porte-empreinte 296 x 396

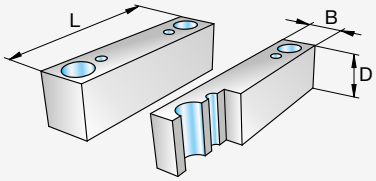


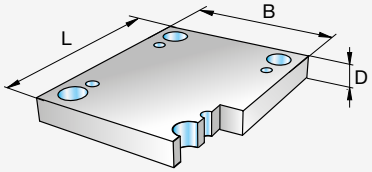
OXA

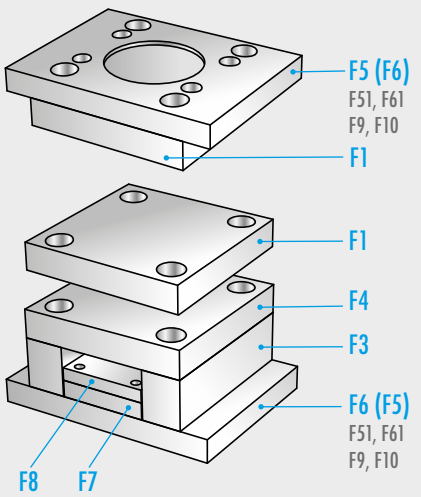
296 x 396

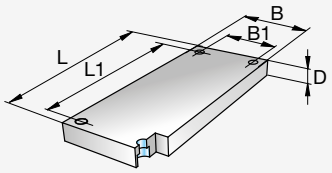
296 x 396-
Type-D-Mat.

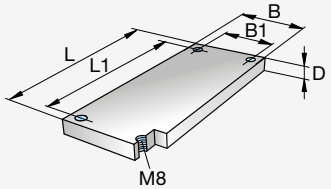
Type	B x L = 296 x 396	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 47 x 396	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x 396	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

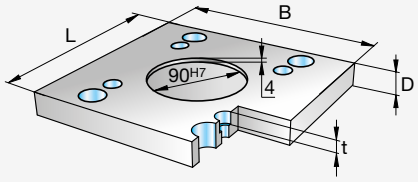
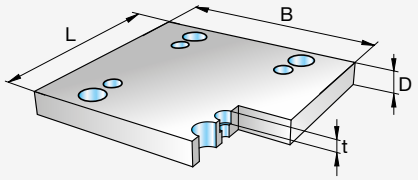


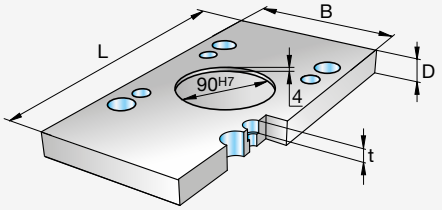
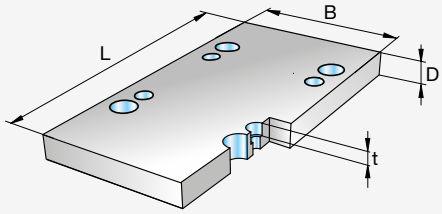
Type	B x L = 200 x 396 / B1 x L1 = 176 x 330	D	Mat. 1730	2085	2312
F7		22	■	■	■

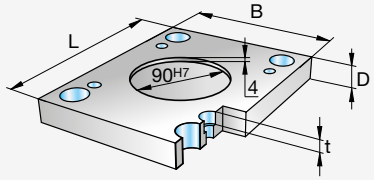
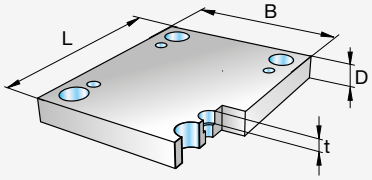
Type	B x L = 200 x 396 / B1 x L1 = 176 x 330	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 296 x 396 | Cavity plates 296 x 396 | Plaques porte-empreinte 296 x 396

Type	B x L = 346 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

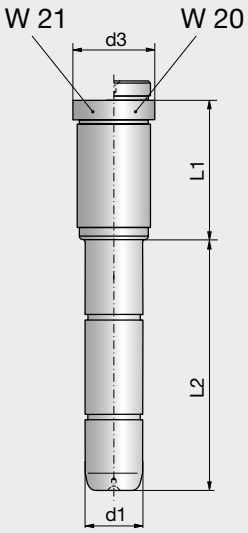
Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

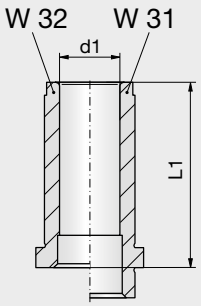
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

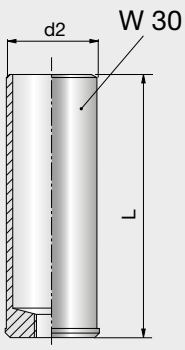
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



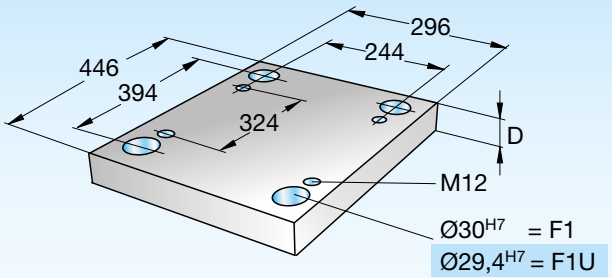
d1 = 22/24



d2 = 30

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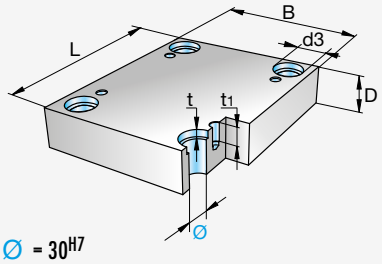
Formplatten 296 x 446 | Cavity plates 296 x 446 | Plaques porte-empreinte 296 x 446

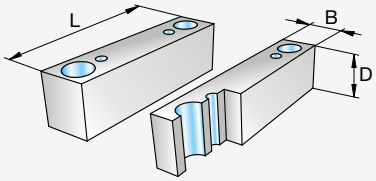


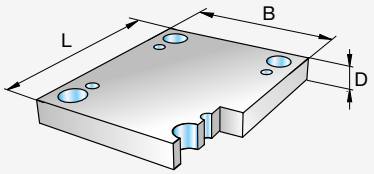
OXA

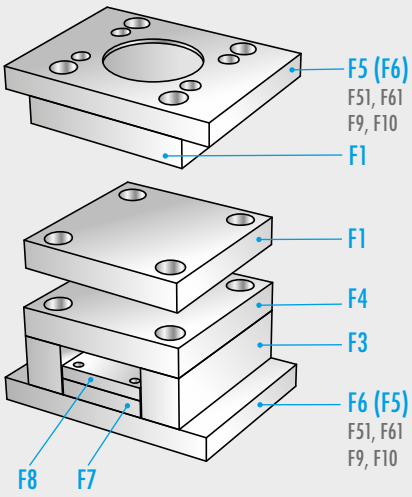
296 x 446

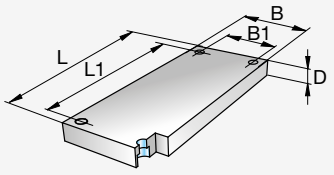
296 x 446-
Type-D-Mat.

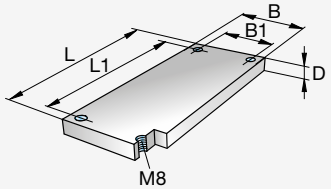
Type	B x L = 296 x 446	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

Type	B x L = 43 x 446	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x 446	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

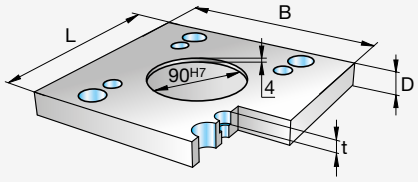
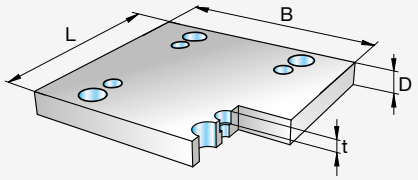


Type	B x L = 208 x 446 / B1 x L1 = 184 x 380	D	Mat. 1730	2085	2312
F7		22	■	■	■

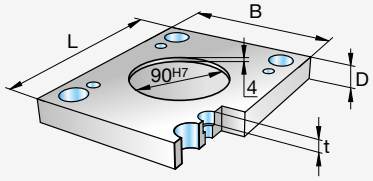
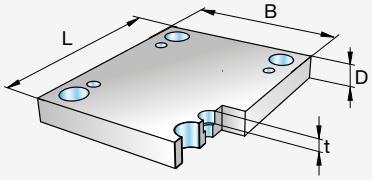
Type	B x L = 208 x 446 / B1 x L1 = 184 x 380	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 296 x 446 | Cavity plates 296 x 446 | Plaques porte-empreinte 296 x 446

Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

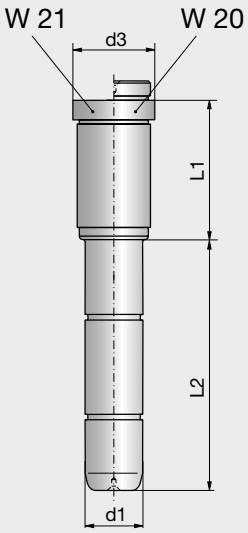
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

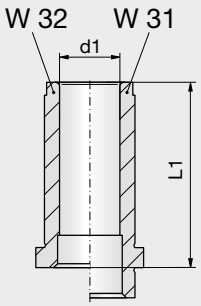
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

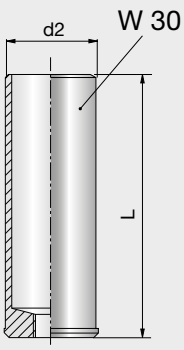
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



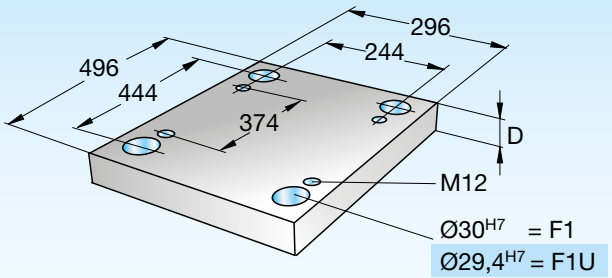
d1 = 22/24



d2 = 30

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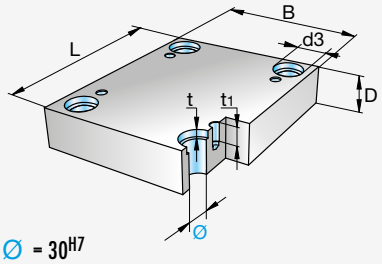
Formplatten 296 x 496 | Cavity plates 296 x 496 | Plaques porte-empreinte 296 x 496

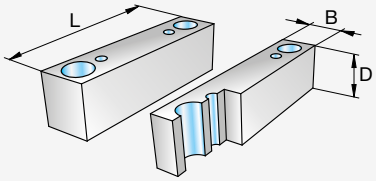


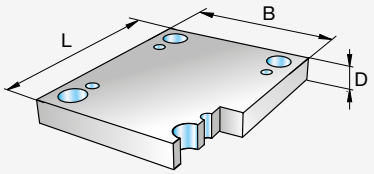
OXA

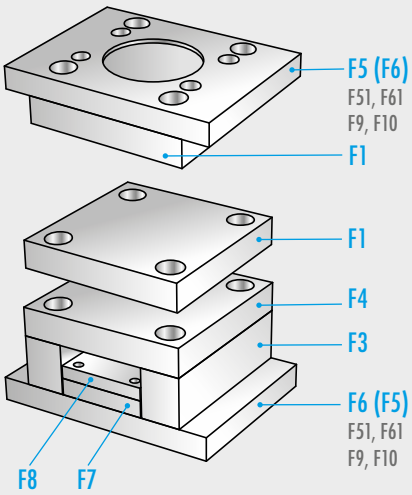
296 x 496

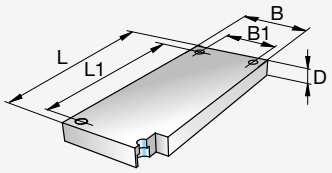
296 x 496-
Type-D-Mat.

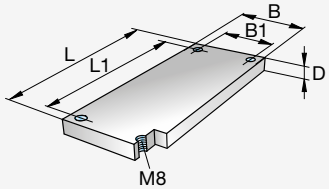
Type	B x L = 296 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

Type	B x L = 43 x 496	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x 496	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

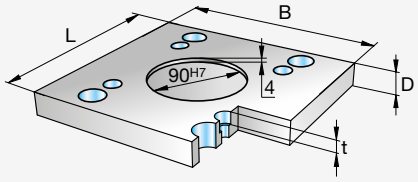
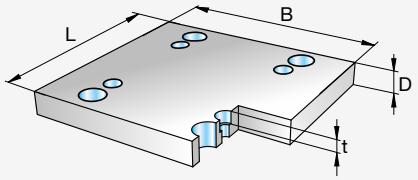


Type	B x L = 208 x 496 / B1 x L1 = 180 x 418	D	Mat. 1730	2085	2312
F7		22	■	■	■

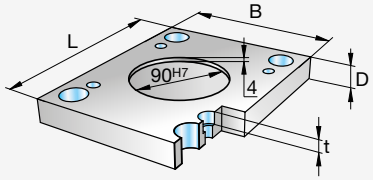
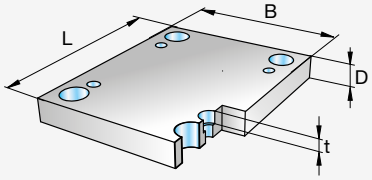
Type	B x L = 208 x 496 / B1 x L1 = 180 x 418	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 296 x 496 | Cavity plates 296 x 496 | Plaques porte-empreinte 296 x 496

Type	B x L = 346 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

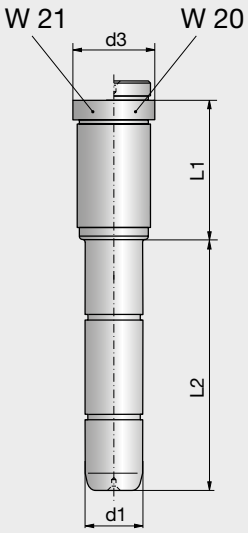
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

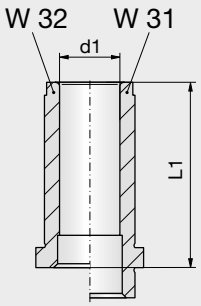
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

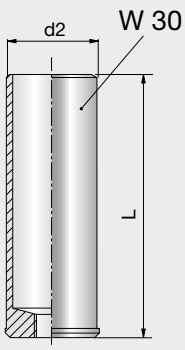
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



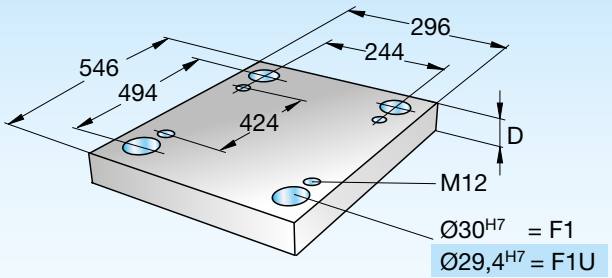
d1 = 22/24



d2 = 30

D 3001 09.2017

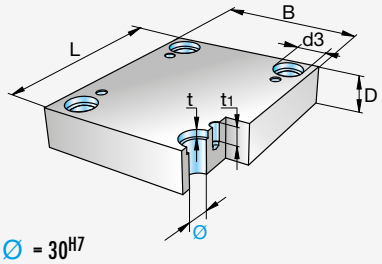
Formplatten 296 x 546 | Cavity plates 296 x 546 | Plaques porte-empreinte 296 x 546

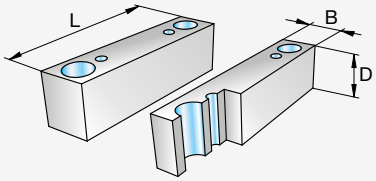


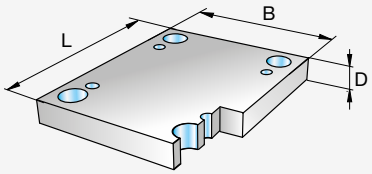
OXA

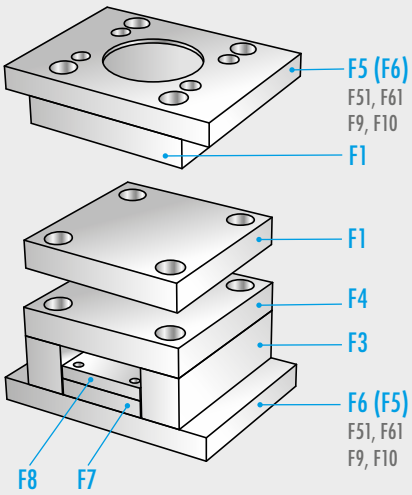
296 x 546

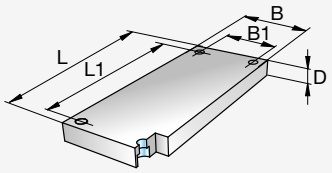
296 x 546-
Type-D-Mat.

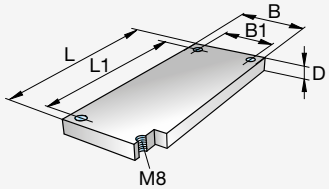
Type	B x L = 296 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

Type	B x L = 43 x 546	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 296 x546	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

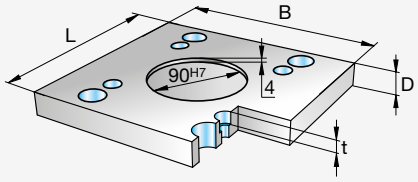
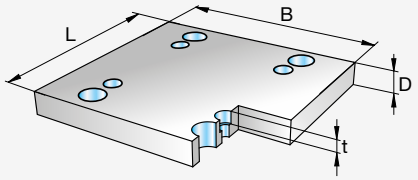


Type	B x L = 208 x 546 / B1 x L1 = 180 x 468	D	Mat. 1730	2085	2312
F7		22	■	■	■

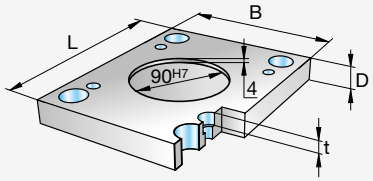
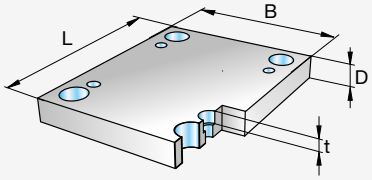
Type	B x L = 208 x 546 / B1 x L1 = 180 x 468	D	Mat. 1730	2085	2312
F8		17	■	■	

D 3001 09.2017

Formplatten 296 x 546 | Cavity plates 296 x 546 | Plaques porte-empreinte 296 x 546

Type	B x L = 346 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

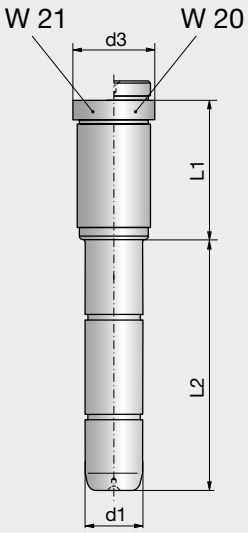
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

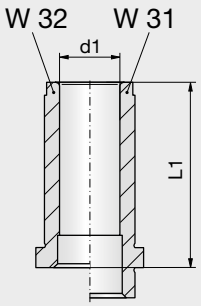
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

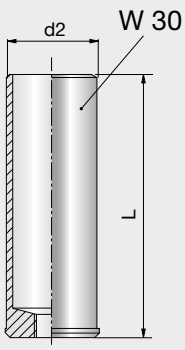
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



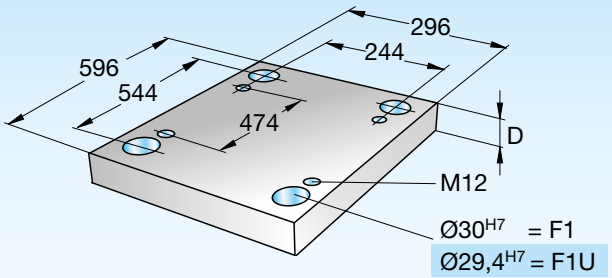
d1 = 22/24



d2 = 30

D 3001 09.2017

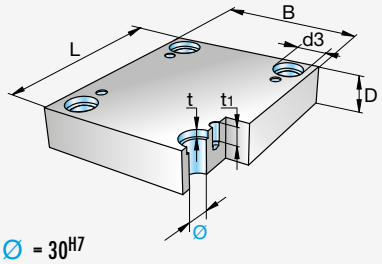
Formplatten 296 x 596 | Cavity plates 296 x 596 | Plaques porte-empreinte 296 x 596

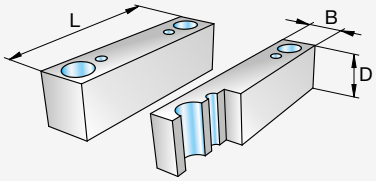


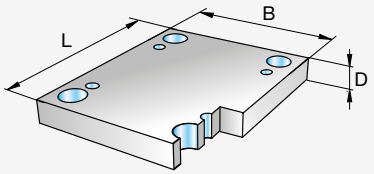
OXA

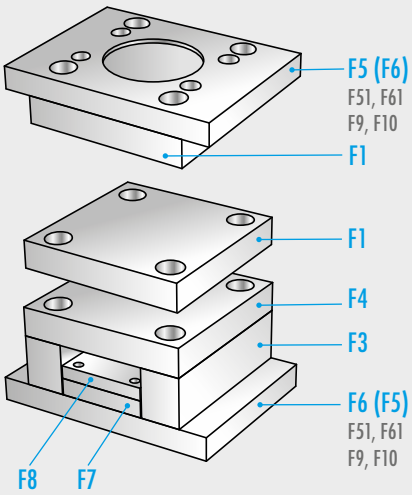
296 x 596

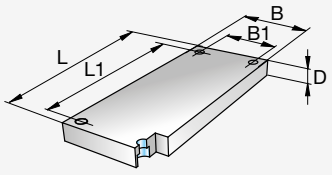
296 x 596-
Type-D-Mat.

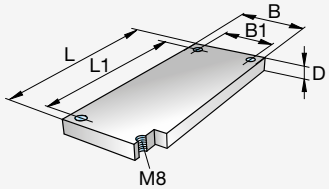
Type	B x L = 296 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	18	36	27	■		■	■	■	■		
			18		36	■		■	■	■	■		
			18		46	■		■	■	■	■		
			18		56	■		■	■	■	■		
			18		66	■		■	■	■	■		
			18		76	■		■	■	■	■		
			18		86	■		■	■	■	■		
			18		96	■		■	■	■	■		
			18		116	■		■	■	■	■		

Type	B x L = 43 x 596	D	Mat. 1730	2085	2312
F3		76	■	■	
		96	■	■	
		116	■	■	

Type	B x L = 296 x 596	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

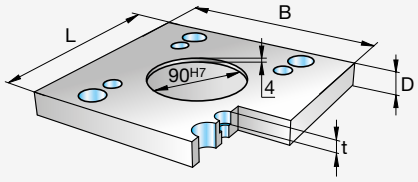
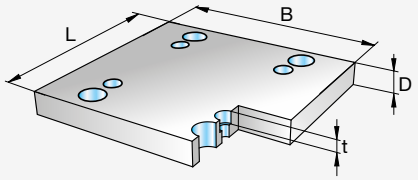


Type	B x L = 208 x 596 / B1 x L1 = 180 x 518	D	Mat. 1730	2085	2312
F7		27	■	■	■

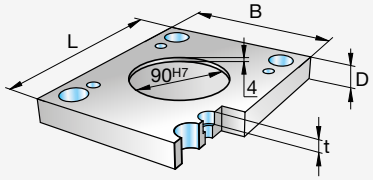
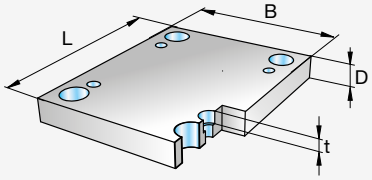
Type	B x L = 208 x 596 / B1 x L1 = 180 x 518	D	Mat. 1730	2085	2312
F8		22	■	■	

D 3001 09.2017

Formplatten 296 x 596 | Cavity plates 296 x 596 | Plaques porte-empreinte 296 x 596

Type	B x L = 346 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	36	■	■	■
F6		13	36	■	■	■

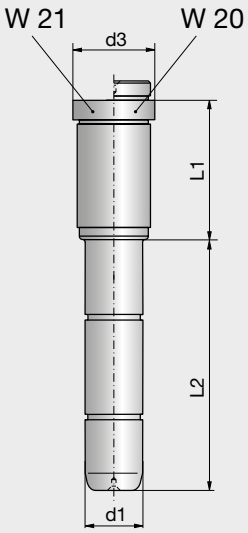
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	27	■	■	■
F10		13	27	■	■	■

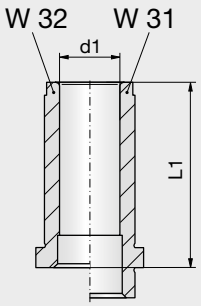
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

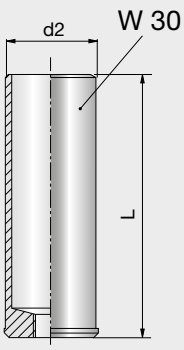
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



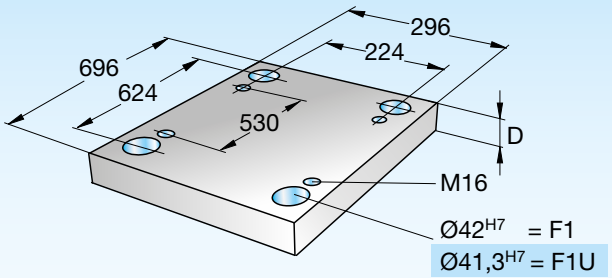
d1 = 22/24



d2 = 30

D 3001 09.2017

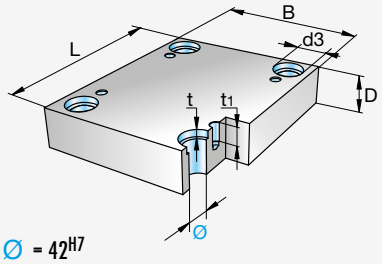
Formplatten 296 x 696 | Cavity plates 296 x 696 | Plaques porte-empreinte 296 x 696

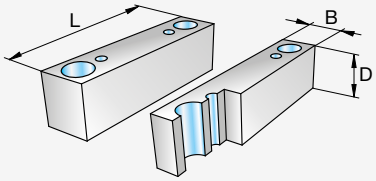


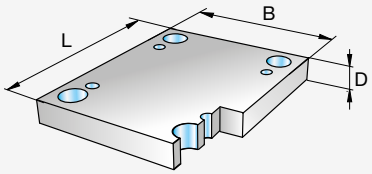
OXA

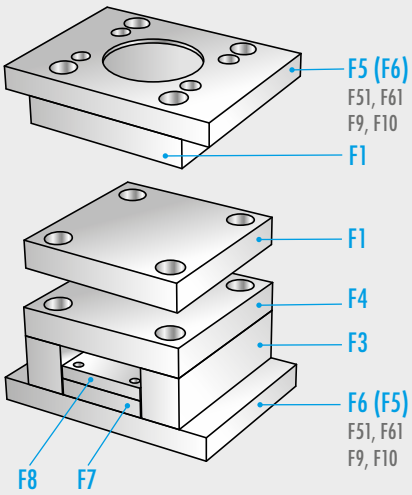
296 x 696

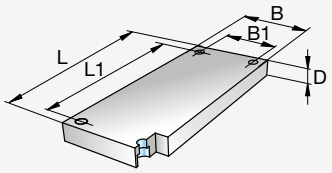
296 x 696-Type-D-Mat.

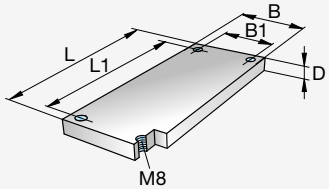
Type	B x L = 296 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■							
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

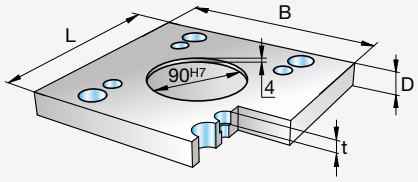
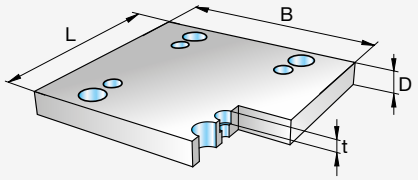
Type	B x L = 296 x 696	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■



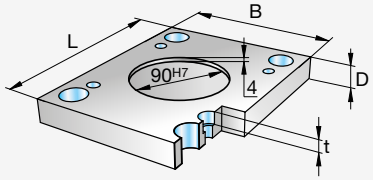
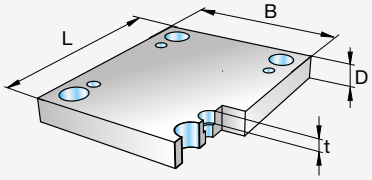
Type	B x L = 168 x 696 / B1 x L1 = 140 x 620	D	Mat. 1730	2085	2312
F7		27	■	■	■

Type	B x L = 168 x 696 / B1 x L1 = 140 x 620	D	Mat. 1730	2085	2312
F8		22	■	■	

Formplatten 296 x 696 | Cavity plates 296 x 696 | Plaques porte-empreinte 296 x 696

Type	B x L = 346 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

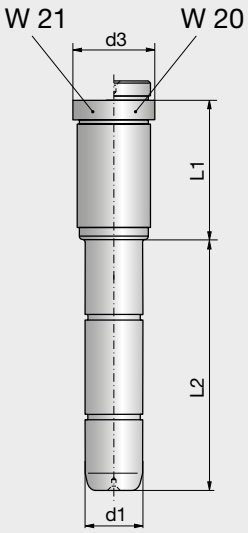
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 296 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

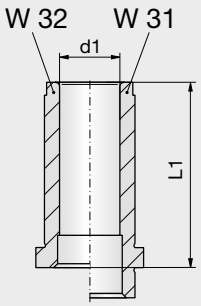
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

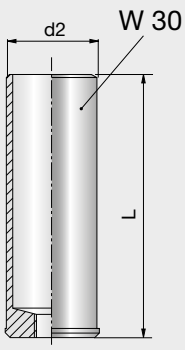
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

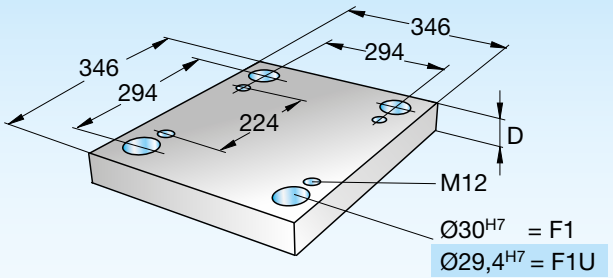


d1 = 30/32



d2 = 42

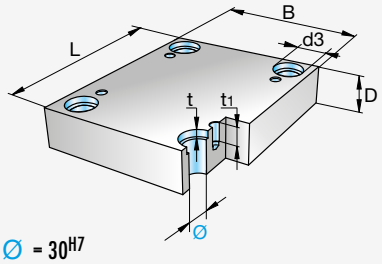
Formplatten 346 x 346 | Cavity plates 346 x 346 | Plaques porte-empreinte 346 x 346

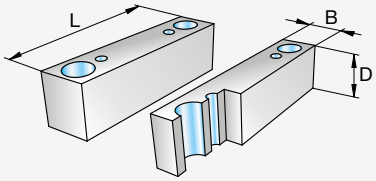


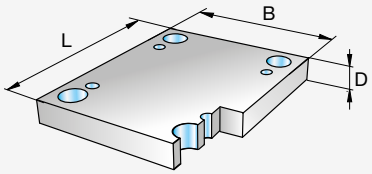
OXA

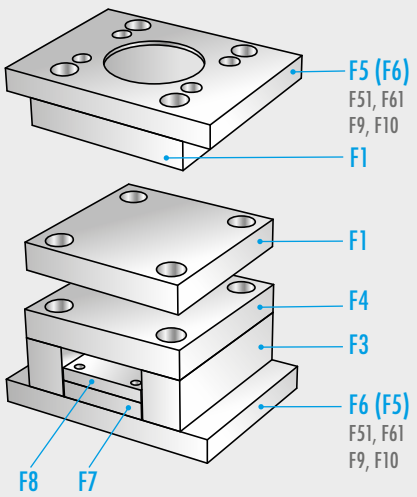
346 x 346

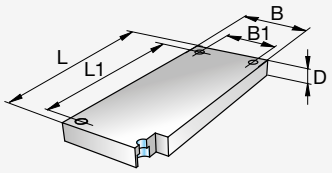
346 x 346-
Type-D-Mat.

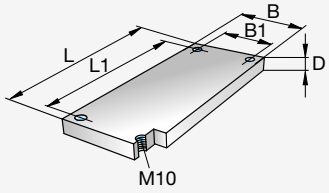
Type	B x L = 346 x 346	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 30H7 F1U Ø = 29,4H7	6,3	22	36	22	■		■	■	■	■		■
			18		27	■		■	■	■	■		■
			18		36	■	■	■	■	■	■	■	■
			18		46	■	■	■	■	■	■	■	■
			18		56	■	■	■	■	■	■	■	■
			18		66	■	■	■	■	■	■	■	■
			18		76	■	■	■	■	■	■	■	■
			18		86	■	■	■	■	■	■	■	■
			18		96	■	■	■	■	■	■	■	■
			18		116	■	■	■	■	■	■	■	■

Type	B x L = 43 x 346	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		96	■	■	

Type	B x L = 346 x 346	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

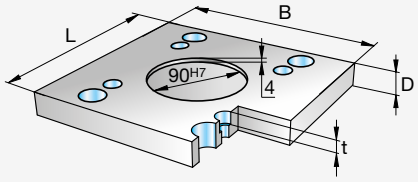
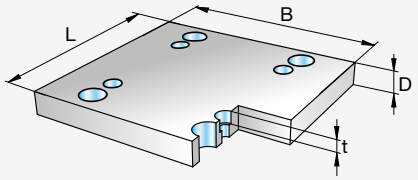


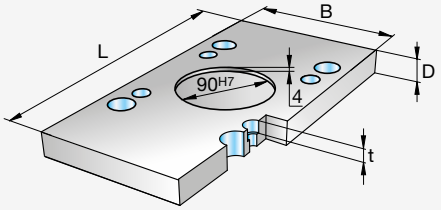
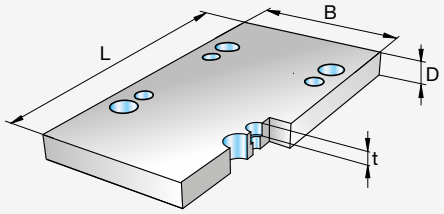
Type	B x L = 258 x 346 / B1 x L1 = 236 x 286	D	Mat. 1730	2085	2312
F7		22	■	■	■

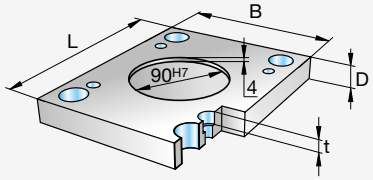
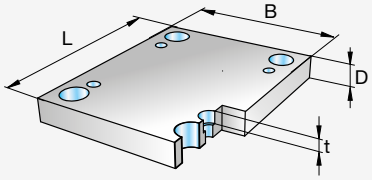
Type	B x L = 258 x 346 / B1 x L1 = 236 x 286	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 346 x 346 | Cavity plates 346 x 346 | Plaques porte-empreinte 346 x 346

Type	B x L = 396 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		13	27	■	■	■
			36	■	■	■
F6		13	27	■	■	■
			36	■	■	■

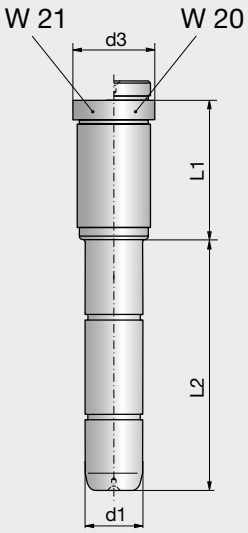
Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		13	27	■	■	■
			36	■	■	■
F61		13	27	■	■	■
			36	■	■	■

Type	B x L = 346 x 346	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		13	22	■	■	■
			27	■	■	■
F10		13	22	■	■	■
			27	■	■	■

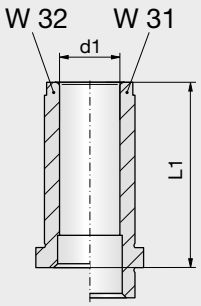
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

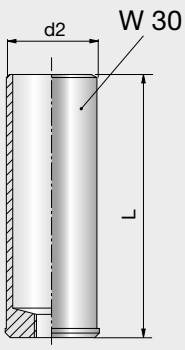
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 22/24



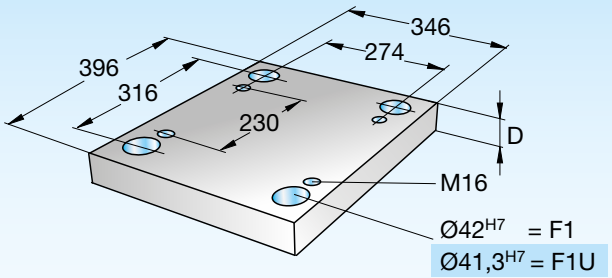
d1 = 22/24



d2 = 30

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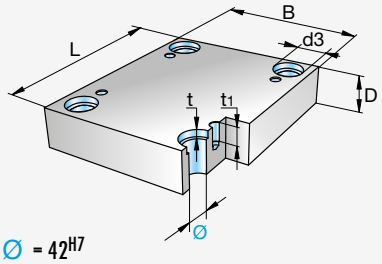
Formplatten 346 x 396 | Cavity plates 346 x 396 | Plaques porte-empreinte 346 x 396

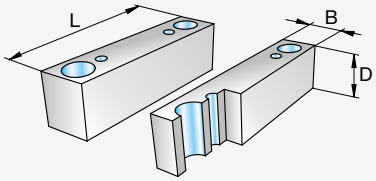


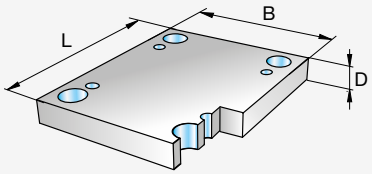
OXA

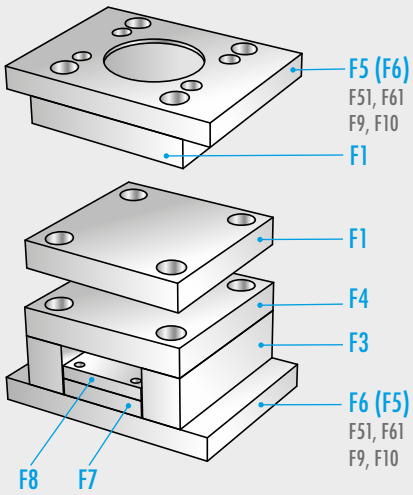
346 x 396

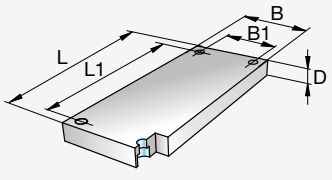
346 x 396-
Type-D-Mat.

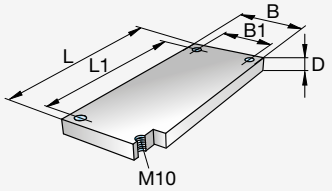
Type	B x L = 346 x 396	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	22	48	22				■				
			27		27	■		■	■	■	■		■
			24,5		36	■	■	■	■	■	■	■	■
			26		46	■	■	■	■	■	■	■	■
			26		56	■	■	■	■	■	■	■	■
			26		66	■		■			■		
			26		76	■	■	■	■	■	■	■	■
			26		86	■		■			■		
			26		96	■	■	■	■	■	■	■	■
			26		116	■	■	■	■	■	■	■	■

Type	B x L = 62 x 396	D	Mat. 1730	2085	2312
F3		56	■	■	
		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	

Type	B x L = 346 x 396	D	Mat. 1730	2085	2312
F4		27	■	■	
		36	■	■	■
		46	■	■	■

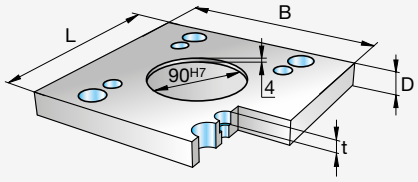
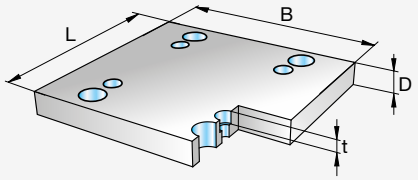


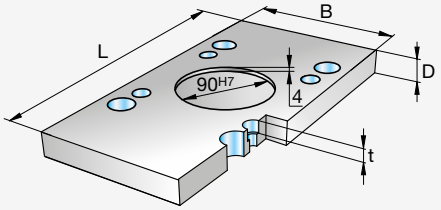
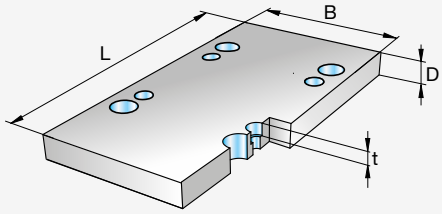
Type	B x L = 218 x 396 / B1 x L1 = 190 x 320	D	Mat. 1730	2085	2312
F7		22	■	■	■

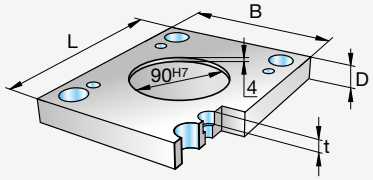
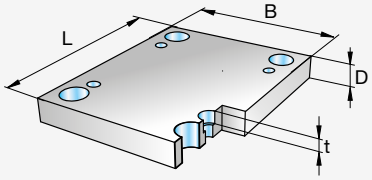
Type	B x L = 218 x 396 / B1 x L1 = 190 x 320	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 346 x 396 | Cavity plates 346 x 396 | Plaques porte-empreinte 346 x 396

Type	B x L = 396 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F6		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

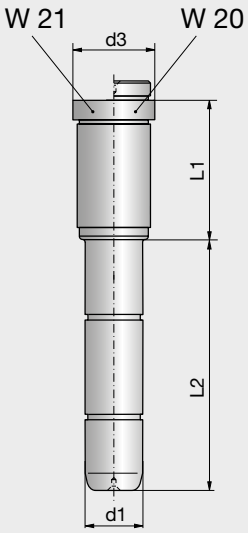
Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F61		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

Type	B x L = 346 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	22	■	■	
			27	■	■	■
			36	■	■	■
F10		17,5	22	■	■	
			27	■	■	■
			36	■	■	■

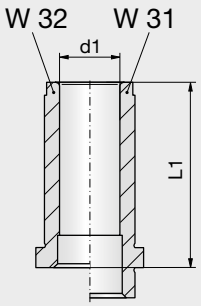
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

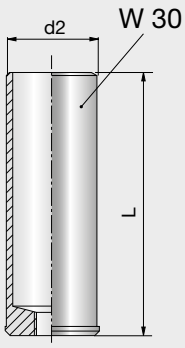
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



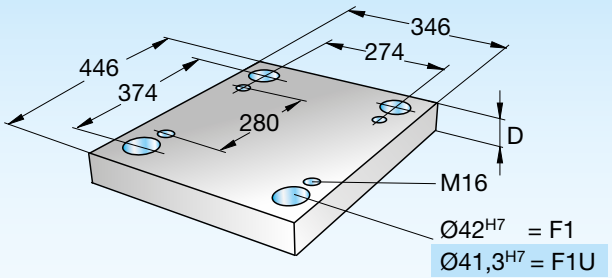
d1 = 30/32



d2 = 42

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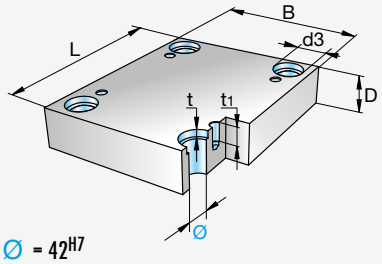
Formplatten 346 x 446 | Cavity plates 346 x 446 | Plaques porte-empreinte 346 x 446

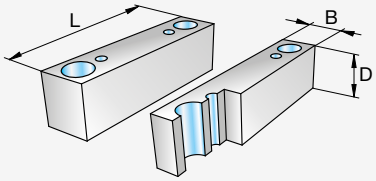


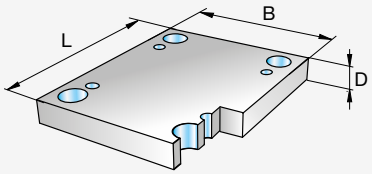
OXA

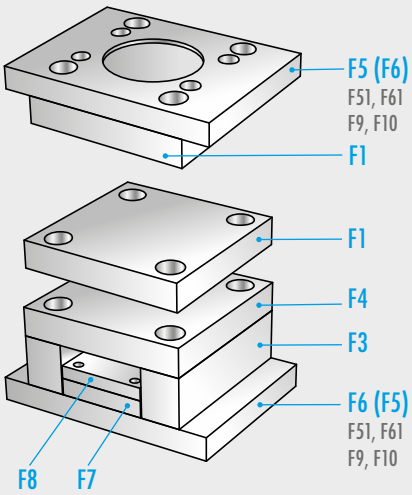
346 x 446

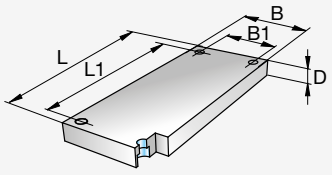
346 x 446-
Type-D-Mat.

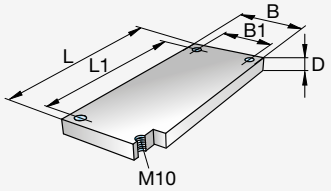
Type	B x L = 346 x 446	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■	■	■	■	■	■	■	
			26		66	■		■			■		
			26		76	■	■	■	■	■	■	■	
			26		86	■		■			■		
			26		96	■	■	■	■	■	■	■	
			26		116	■	■	■	■	■	■	■	

Type	B x L = 62 x 446	D	Mat. 1730	2085	2312
F3		56	■	■	
		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 346 x 446	D	Mat. 1730	2085	2312
F4		27	■	■	
		36	■	■	■
		46	■	■	■

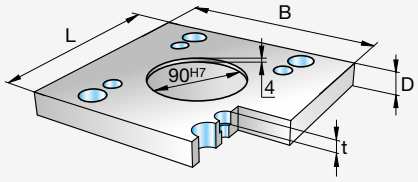
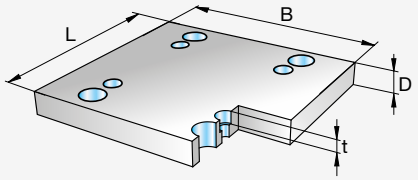


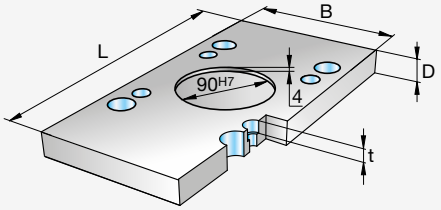
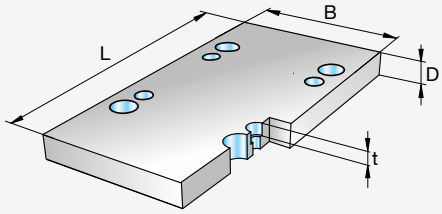
Type	B x L = 218 x 446 / B1 x L1 = 186 x 346	D	Mat. 1730	2085	2312
F7		22	■	■	■

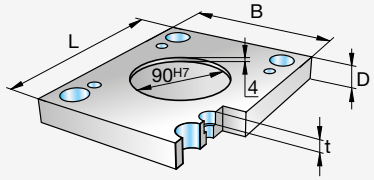
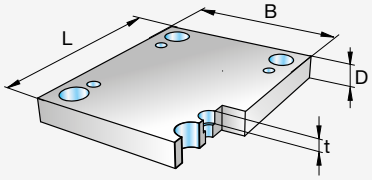
Type	B x L = 218 x 446 / B1 x L1 = 186 x 346	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 346 x 446 | Cavity plates 346 x 446 | Plaques porte-empreinte 346 x 446

Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F6		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

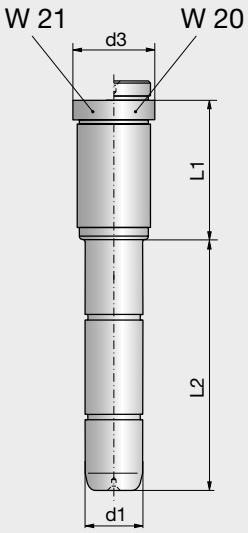
Type	B x L = 346 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	27	■	■	
			36	■	■	
			46	■	■	
F61		17,5	27	■	■	
			36	■	■	
			46	■	■	

Type	B x L = 346 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	22	■	■	
			27	■	■	■
			36	■	■	■
F10		17,5	22	■	■	
			27	■	■	■
			36	■	■	■

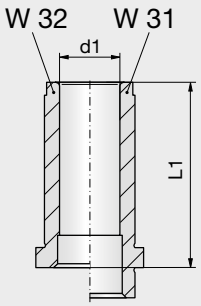
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

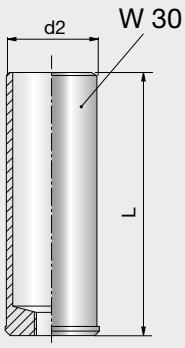
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



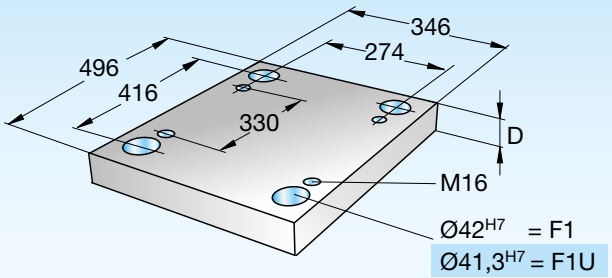
d1 = 30/32



d2 = 42

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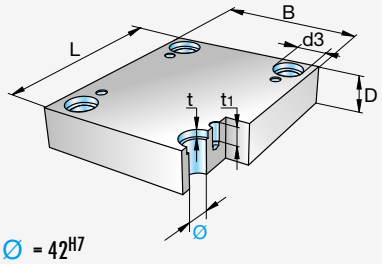
Formplatten 346 x 496 | Cavity plates 346 x 496 | Plaques porte-empreinte 346 x 496

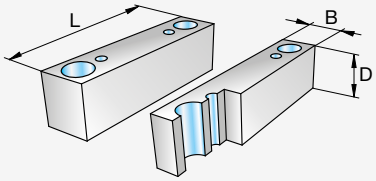


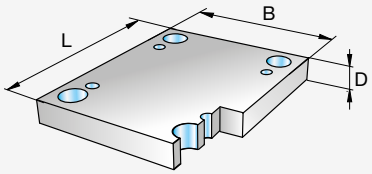
OXA

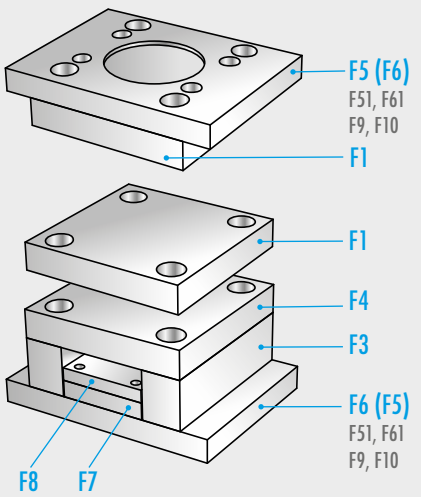
346 x 496

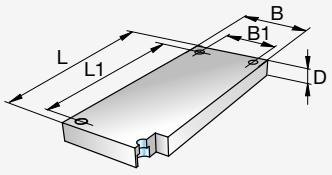
346 x 496-
Type-D-Mat.

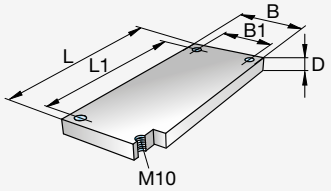
Type	B x L = 346 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	22	48	22				■				
			27		27	■		■	■	■	■		■
			24,5		36	■		■	■	■	■		■
			26		46	■	■	■	■	■	■	■	■
			26		56	■	■	■	■	■	■	■	■
			26		66	■		■			■		
			26		76	■	■	■	■	■	■	■	■
			26		86	■		■			■		
			26		96	■	■	■	■	■	■	■	■
			26		116	■	■	■	■	■	■	■	■

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
F3		56	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 346 x 496	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

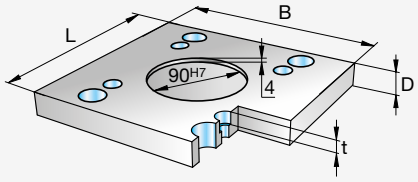
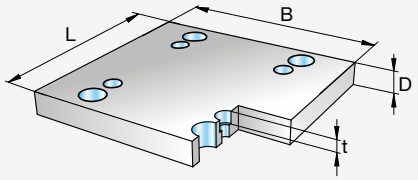


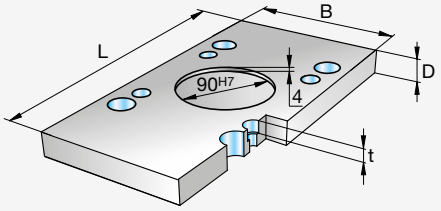
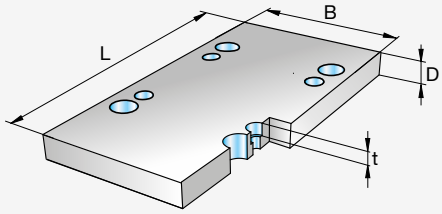
Type	B x L = 218 x 496 / B1 x L1 = 190 x 420	D	Mat. 1730	2085	2312
F7		22	■	■	■

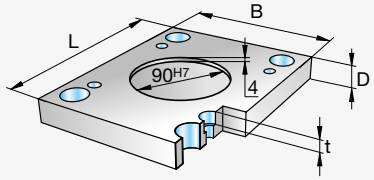
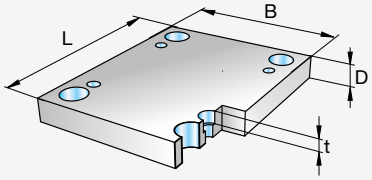
Type	B x L = 218 x 496 / B1 x L1 = 190 x 420	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 346 x 496 | Cavity plates 346 x 496 | Plaques porte-empreinte 346 x 496

Type	B x L = 396 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F6		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

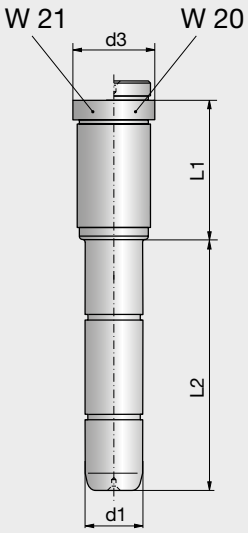
Type	B x L = 346 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	27	■	■	
			36	■	■	
			46	■	■	
F61		17,5	27	■	■	
			36	■	■	
			46	■	■	

Type	B x L = 346 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	22	■	■	
			27	■	■	■
			36	■	■	■
F10		17,5	22	■	■	
			27	■	■	■
			36	■	■	■

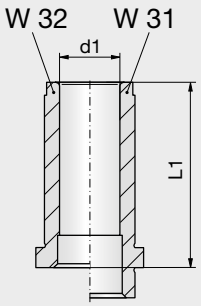
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

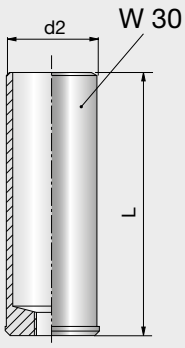
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



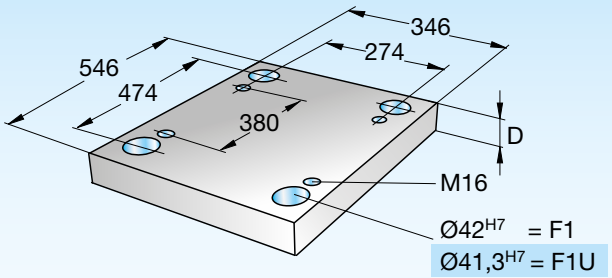
d1 = 30/32



d2 = 42

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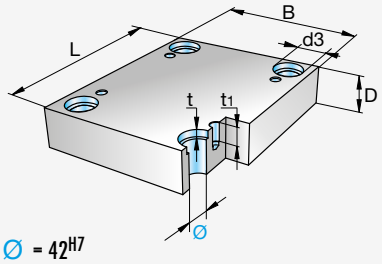
Formplatten 346 x 546 | Cavity plates 346 x 546 | Plaques porte-empreinte 346 x 546

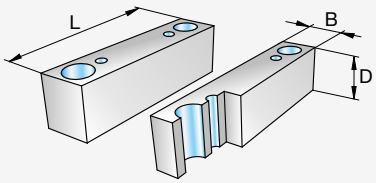


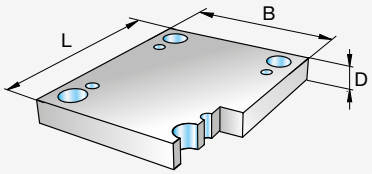
OXA

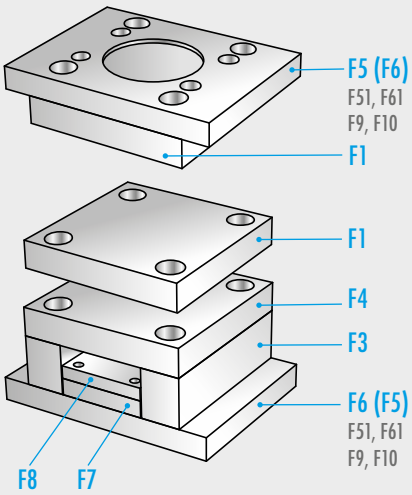
346 x 546

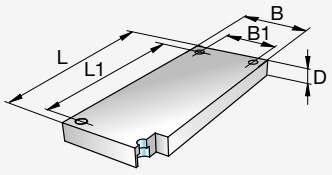
346 x 546-
Type-D-Mat.

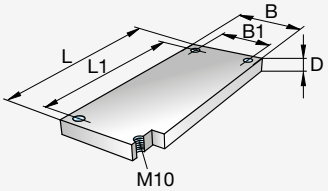
Type	B x L = 346 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■		■	■	■	■	■	
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	
			26		116	■		■	■	■	■	■	
			26		136	■		■	■	■	■	■	

Type	B x L = 62 x 546	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 346 x 546	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

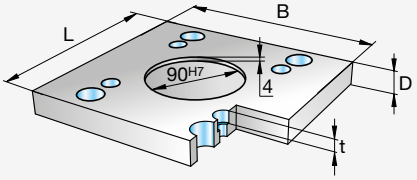
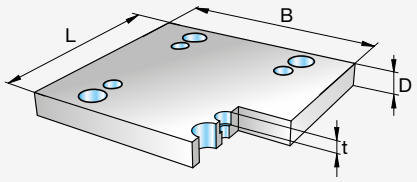


Type	B x L = 218 x 546 / B1 x L1 = 190 x 470	D	Mat. 1730	2085	2312
F7		27	■	■	■

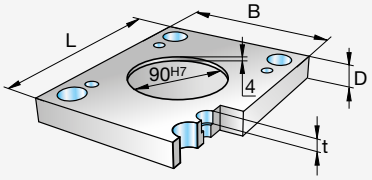
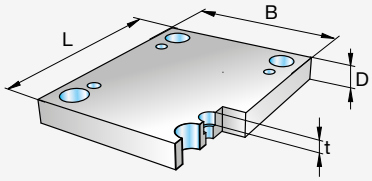
Type	B x L = 218 x 546 / B1 x L1 = 190 x 470	D	Mat. 1730	2085	2312
F8		22	■	■	

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Formplatten 346 x 546 | Cavity plates 346 x 546 | Plaques porte-empreinte 346 x 546

Type	B x L = 396 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	■
			46	■	■	■
F6		17,5	36	■	■	■
			46	■	■	■

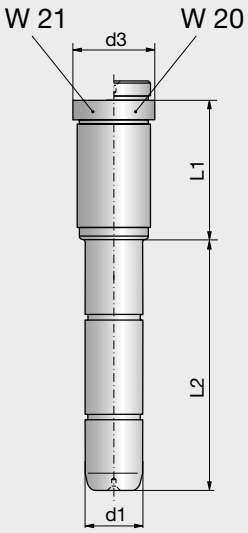
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	■
			36	■	■	■
F10		17,5	27	■	■	■
			36	■	■	■

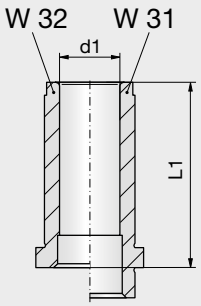
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

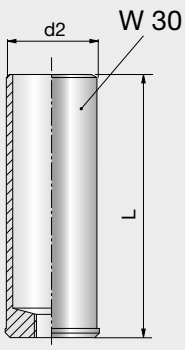
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



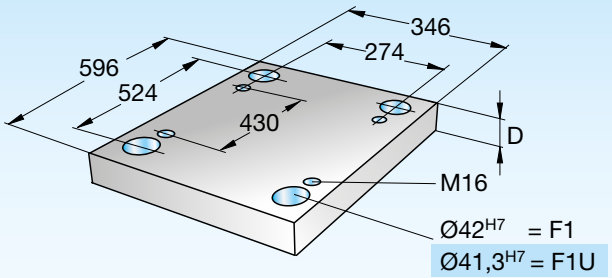
d1 = 30/32



d2 = 42

D 3001 09.2017

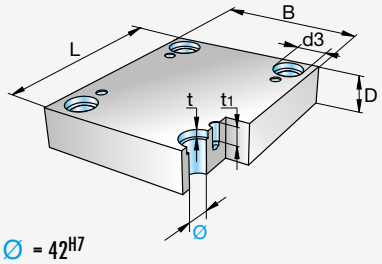
Formplatten 346 x 596 | Cavity plates 346 x 596 | Plaques porte-empreinte 346 x 596

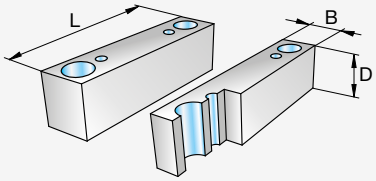


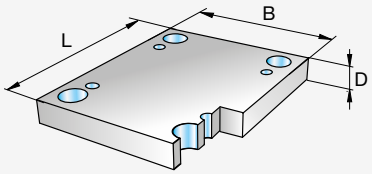
OXA

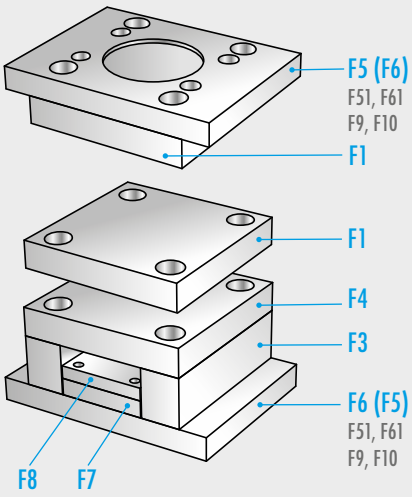
346 x 596

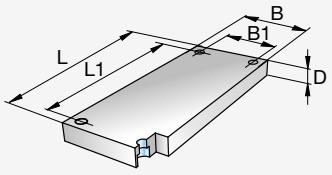
346 x 596-
Type-D-Mat.

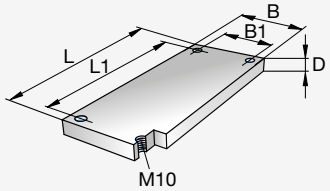
Type	B x L = 346 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■		■	■	■	■	■	
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	
			26		116	■		■	■	■	■	■	
			26		136	■		■	■	■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 346 x 596	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

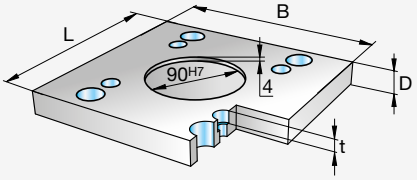
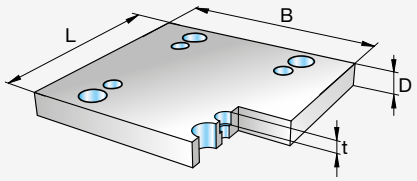


Type	B x L = 218 x 596 / B1 x L1 = 190 x 520	D	Mat. 1730	2085	2312
F7		27	■	■	■

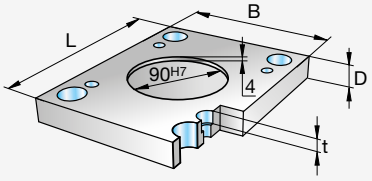
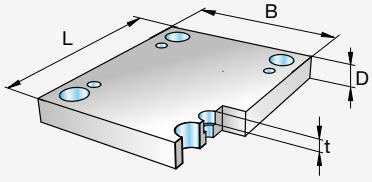
Type	B x L = 218 x 596 / B1 x L1 = 190 x 520	D	Mat. 1730	2085	2312
F8		22	■	■	

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Formplatten 346 x 596 | Cavity plates 346 x 596 | Plaques porte-empreinte 346 x 596

Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

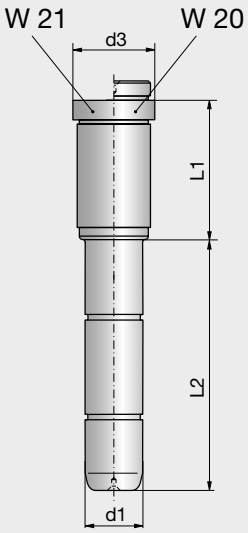
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36		■	■
F10		17,5	27	■	■	
			36		■	■

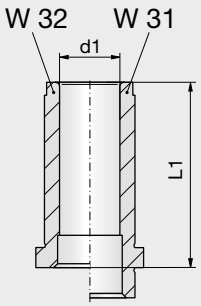
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

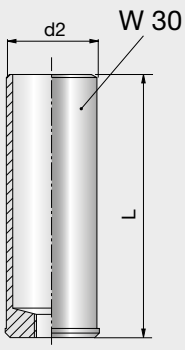
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

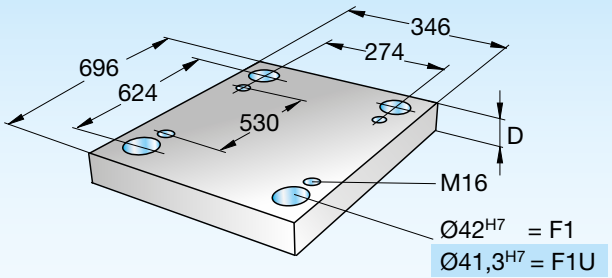


d1 = 30/32



d2 = 42

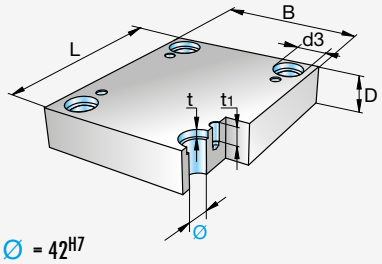
Formplatten 346 x 696 | Cavity plates 346 x 696 | Plaques porte-empreinte 346 x 696

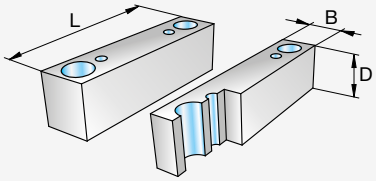


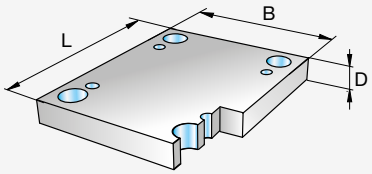
OXA

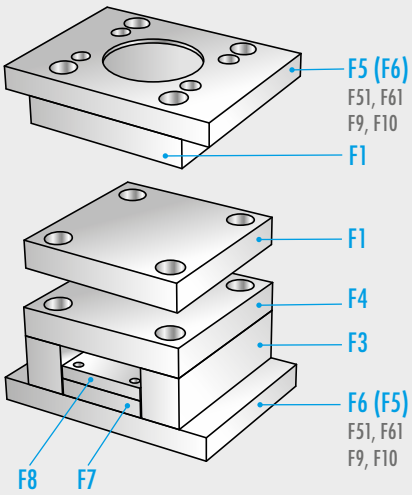
346 x 696

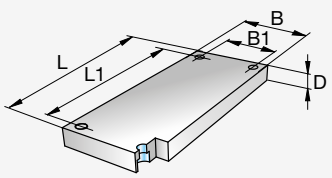
346 x 696-Type-D-Mat.

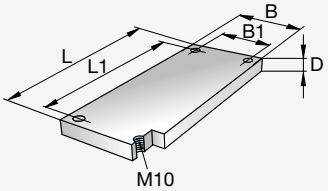
Type	B x L = 346 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■							
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 346 x 696	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

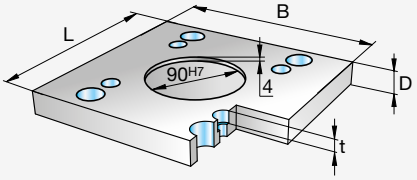
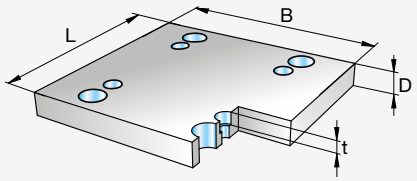


Type	B x L = 218 x 696 / B1 x L1 = 190 x 620	D	Mat. 1730	2085	2312
F7		27	■	■	■

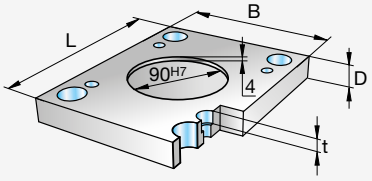
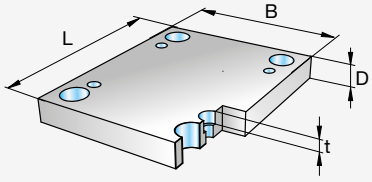
Type	B x L = 218 x 696 / B1 x L1 = 190 x 620	D	Mat. 1730	2085	2312
F8		22	■	■	

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Formplatten 346 x 696 | Cavity plates 346 x 696 | Plaques porte-empreinte 346 x 696

Type	B x L = 446 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

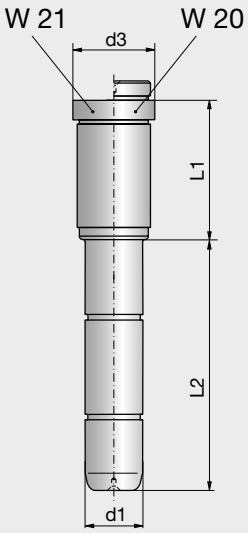
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

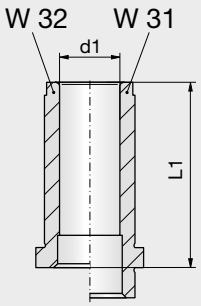
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

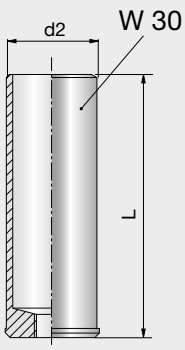
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

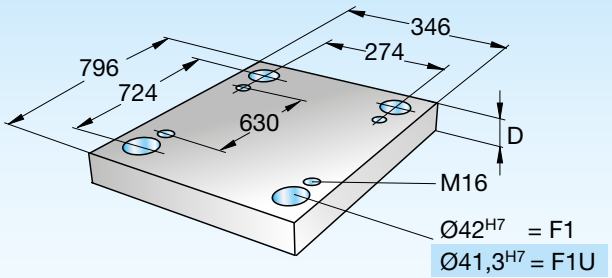


d1 = 30/32



d2 = 42

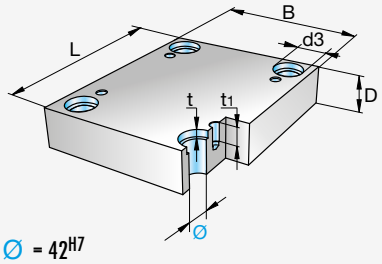
Formplatten 346 x 796 | Cavity plates 346 x 796 | Plaques porte-empreinte 346 x 796

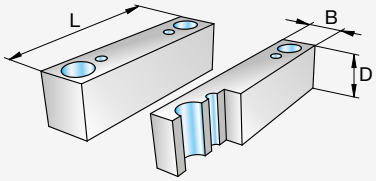


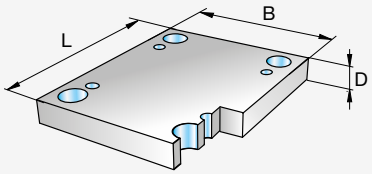
OXA

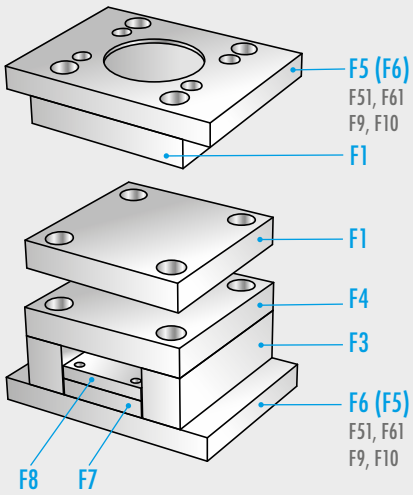
346 x 796

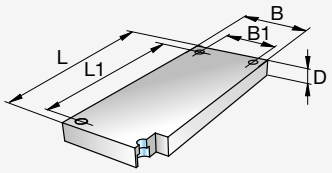
346 x 796-
Type-D-Mat.

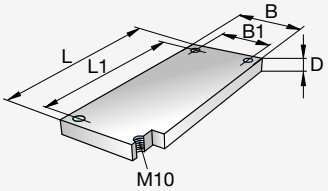
Type	B x L = 346 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		76	■		■		■	■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
F3		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 346 x 796	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■
		56	■	■	■



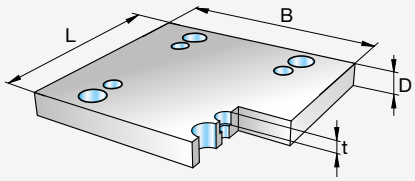
Type	B x L = 218 x 796 / B1 x L1 = 186 x 714	D	Mat. 1730	2085	2312
F7		27	■	■	■

Type	B x L = 218 x 796 / B1 x L1 = 186 x 714	D	Mat. 1730	2085	2312
F8		22	■	■	

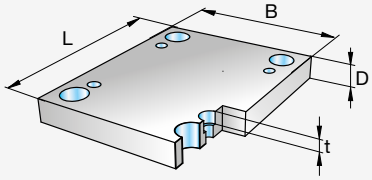
Formplatten 346 x 796

Cavity plates 346 x 796

Plaques porte-empreinte 346 x 796

Type	B x L = 446 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		17,5	46	■	■	
			56	■	■	■

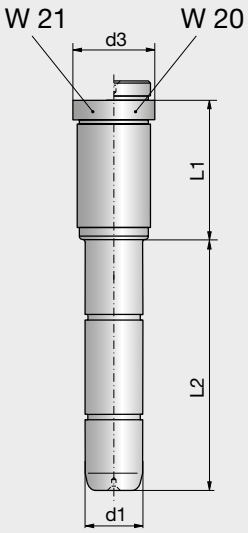
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 346 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		17,5	36	■	■	
			46	■	■	■

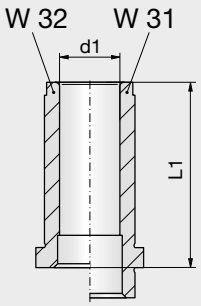
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

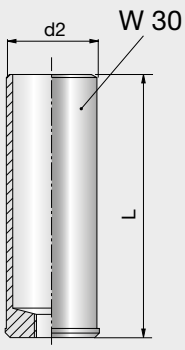
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



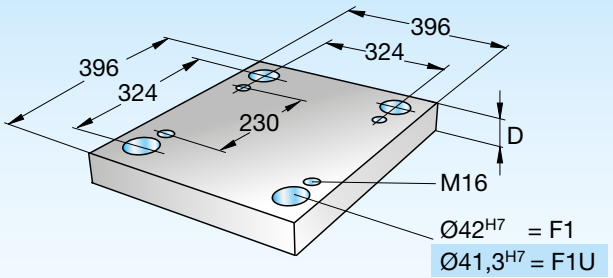
d1 = 30/32



d2 = 42

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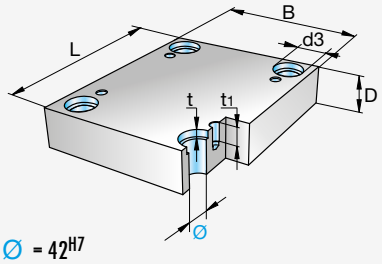
Formplatten 396 x 396 | Cavity plates 396 x 396 | Plaques porte-empreinte 396 x 396

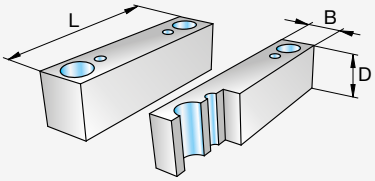


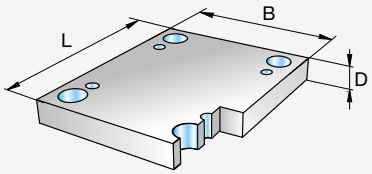
OXA

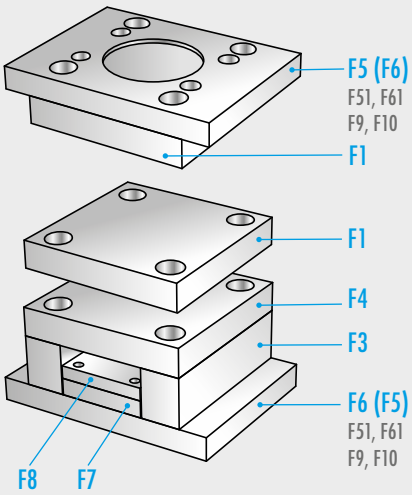
396 x 396

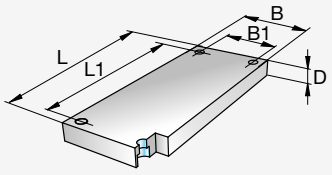
396 x 396-
Type-D-Mat.

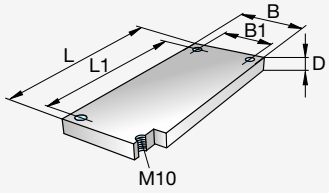
Type	B x L = 396 x 396	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	22	48	22				■	■			
			27		27	■		■	■	■	■		■
			24,5		36	■		■	■	■	■		■
			26		46	■		■	■	■	■		■
			26		56	■		■	■	■	■	■	■
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	■
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	■
			26		116	■		■	■	■	■	■	■

Type	B x L = 62 x 396	D	Mat. 1730	2085	2312
F3		56	■	■	
		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	

Type	B x L = 396 x 396	D	Mat. 1730	2085	2312
F4		36	■	■	■
		46	■	■	■

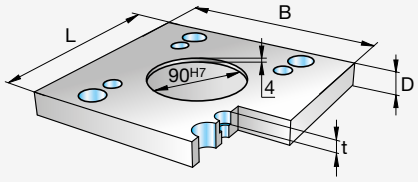
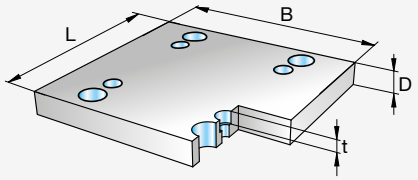


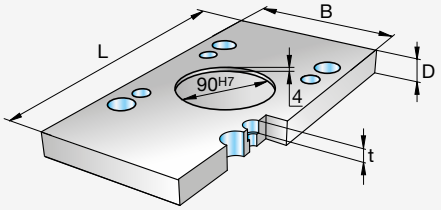
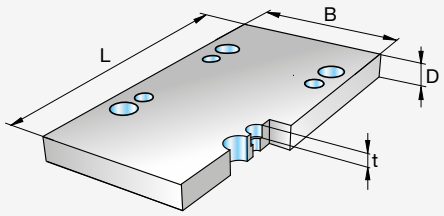
Type	B x L = 268 x 396 / B1 x L1 = 236 x 314	D	Mat. 1730	2085	2312
F7		22	■	■	■

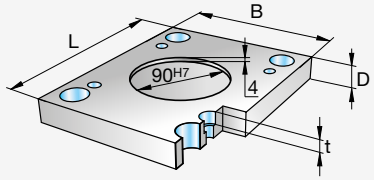
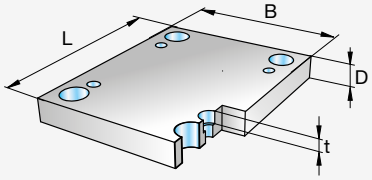
Type	B x L = 268 x 396 / B1 x L1 = 236 x 314	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 396 x 396 | Cavity plates 396 x 396 | Plaques porte-empreinte 396 x 396

Type	B x L = 446 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F6		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

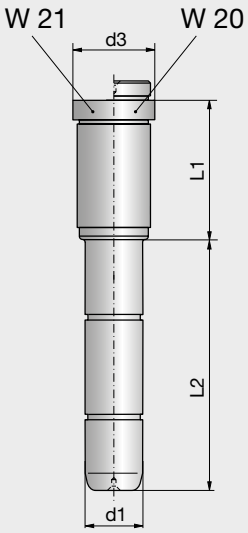
Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F61		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

Type	B x L = 396 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	22	■	■	
			27	■	■	■
			36	■	■	■
F10		17,5	22	■	■	
			27	■	■	■
			36	■	■	■

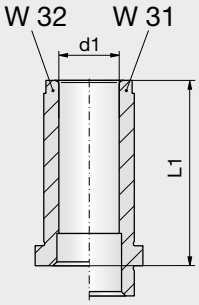
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

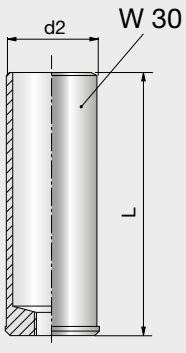
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



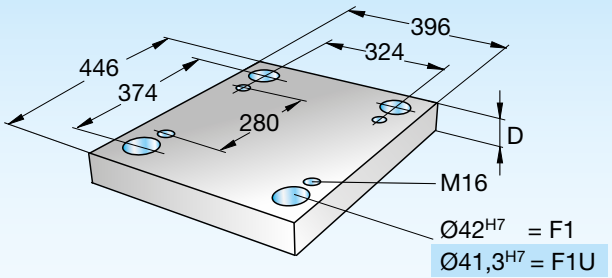
d1 = 30/32



d2 = 42

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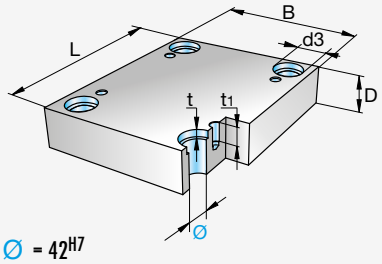
Formplatten 396 x 446 | Cavity plates 396 x 446 | Plaques porte-empreinte 396 x 446

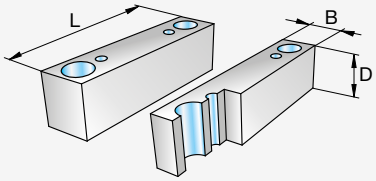


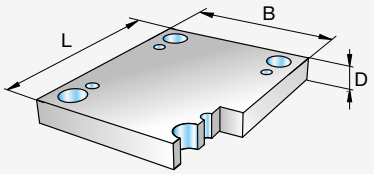
OXA

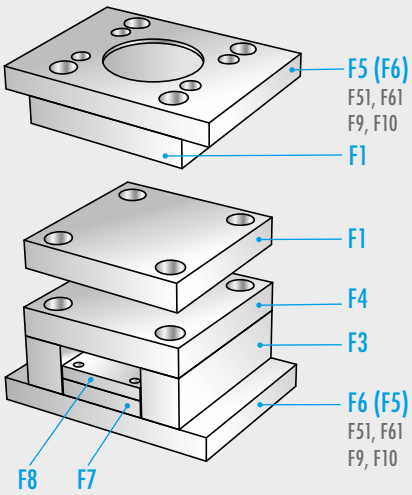
396 x 446

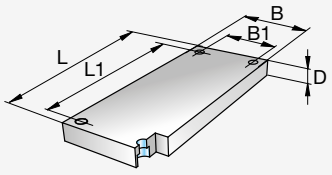
396 x 446-
Type-D-Mat.

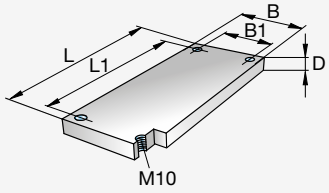
Type	B x L = 396 x 446	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■		■	■	■	■	■	
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	
			26		116	■		■	■	■	■	■	

Type	B x L = 62 x 446	D	Mat. 1730	2085	2312
F3		56	■	■	
		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	

Type	B x L = 396 x 446	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

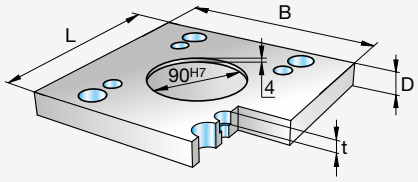
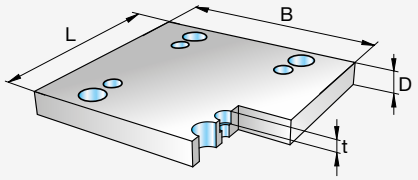


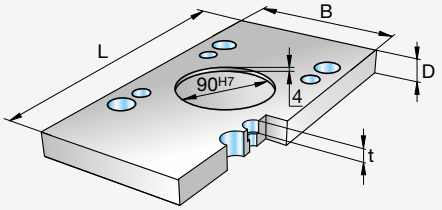
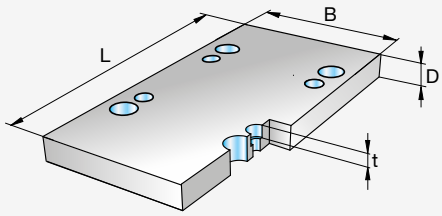
Type	B x L = 268 x 446 / B1 x L1 = 240 x 364	D	Mat. 1730	2085	2312
F7		22	■	■	■

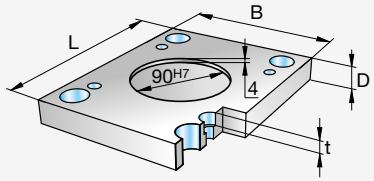
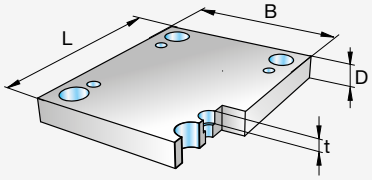
Type	B x L = 268 x 446 / B1 x L1 = 240 x 364	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 396 x 446 | Cavity plates 396 x 446

Type	B x L = 446 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F6		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	27	■	■	
			36	■	■	■
			46	■	■	■
F61		17,5	27	■	■	
			36	■	■	■
			46	■	■	■

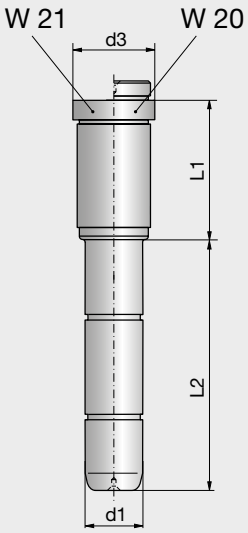
Type	B x L = 396 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	■
			36	■	■	■
F10		17,5	27	■	■	■
			36	■	■	■

Plaques porte-empreinte 396 x 446

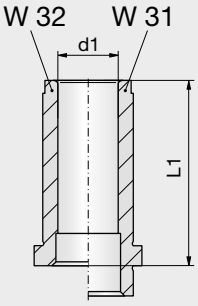
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

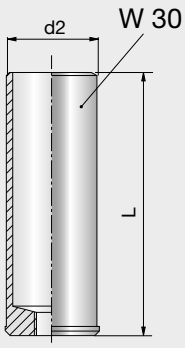
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



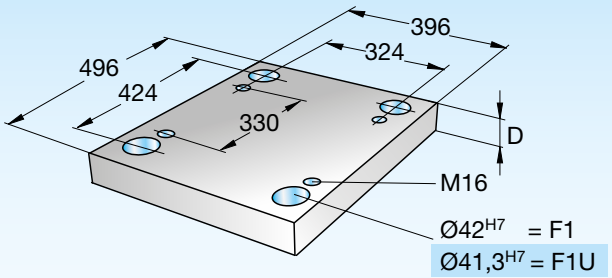
d1 = 30/32



d2 = 42

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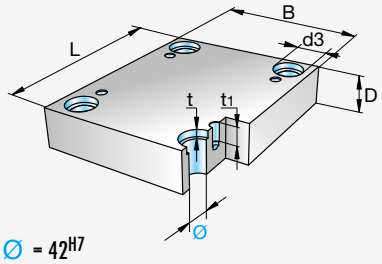
Formplatten 396 x 496 | Cavity plates 396 x 496 | Plaques porte-empreinte 396 x 496

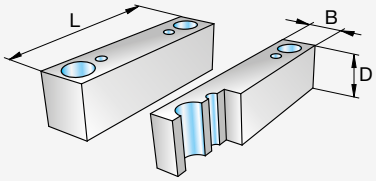


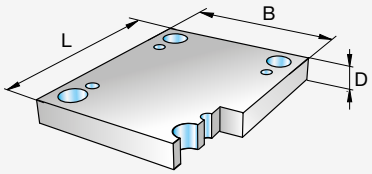
OXA

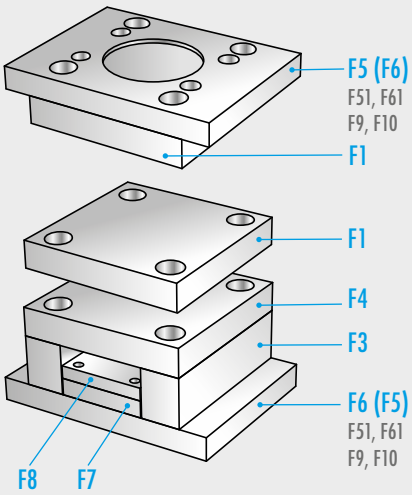
396 x 496

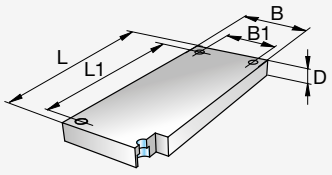
396 x 496-
Type-D-Mat.

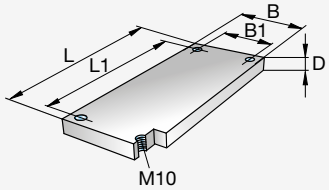
Type	B x L = 396 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■		■	■	■	■	■	
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	
			26		116	■		■	■	■	■	■	
			26		136	■		■	■	■	■	■	

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 396 x 496	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

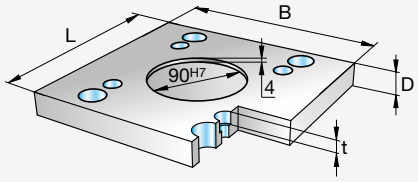
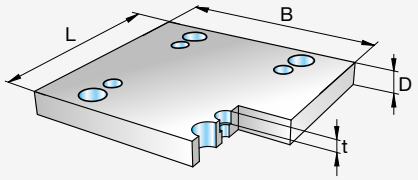


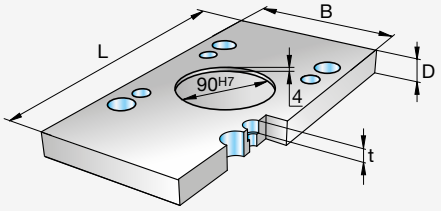
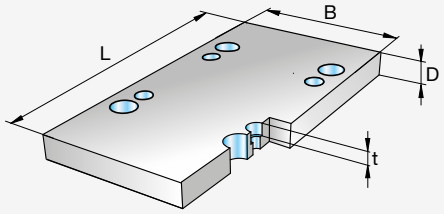
Type	B x L = 268 x 496 / B1 x L1 = 240 x 414	D	Mat. 1730	2085	2312
F7		27	■	■	■

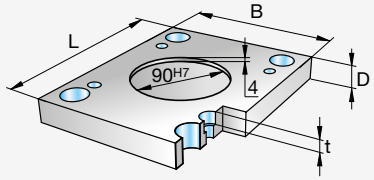
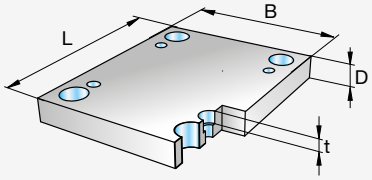
Type	B x L = 268 x 496 / B1 x L1 = 240 x 414	D	Mat. 1730	2085	2312
F8		22	■	■	

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Formplatten 396 x 496 | Cavity plates 396 x 496 | Plaques porte-empreinte 396 x 496

Type	B x L = 446 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	■
			46	■	■	■
F6		17,5	36	■	■	■
			46	■	■	■

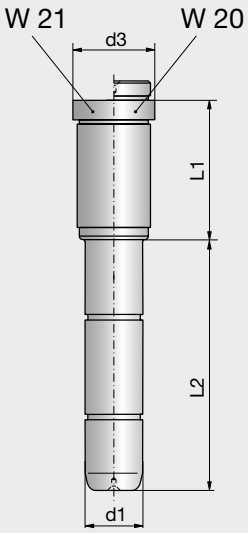
Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	36	■	■	
			46	■	■	■
F61		17,5	36	■	■	
			46	■	■	■

Type	B x L = 396 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	■
			36	■	■	■
F10		17,5	27	■	■	■
			36	■	■	■

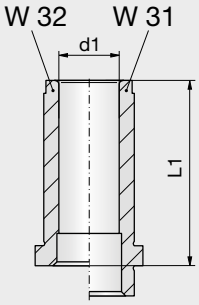
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

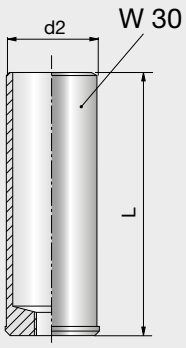
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



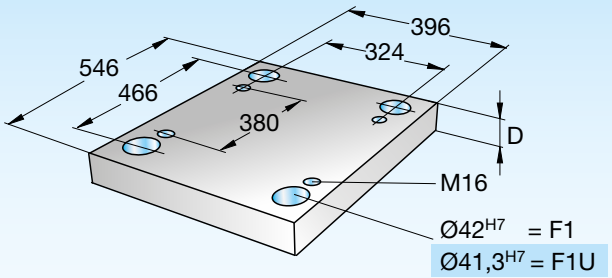
d1 = 30/32



d2 = 42

D 3001 09.2017

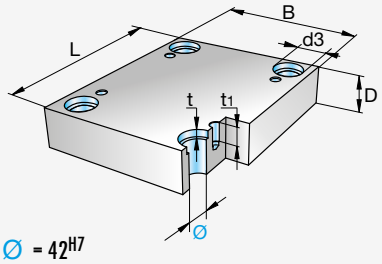
Formplatten 396 x 546 | Cavity plates 396 x 546 | Plaques porte-empreinte 396 x 546

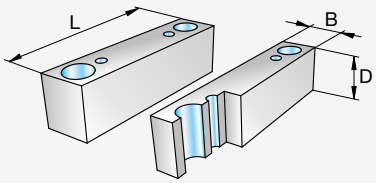


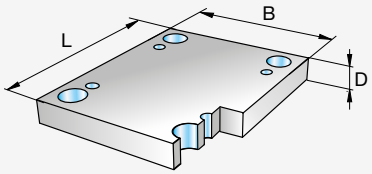
OXA

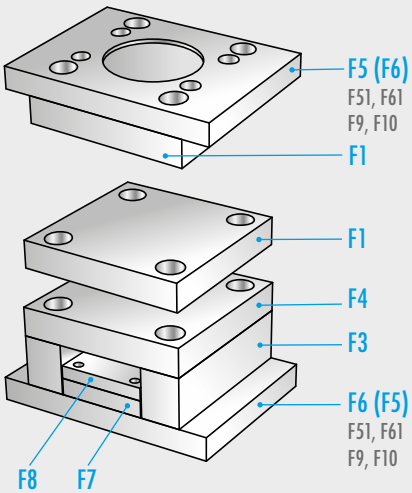
396 x 546

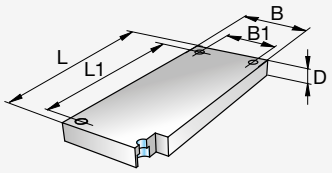
396 x 546-
Type-D-Mat.

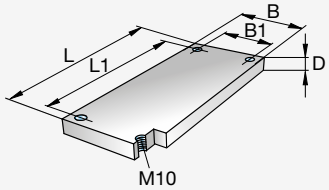
Type	B x L = 396 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■	■	■	■	■	■
			24,5		36	■		■	■	■	■	■	■
			26		46	■		■	■	■	■	■	■
			26		56	■		■	■	■	■	■	■
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	■
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	■
			26		116	■		■	■	■	■	■	■
			26		136	■		■	■	■	■	■	■

Type	B x L = 62 x 546	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 396 x 546	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

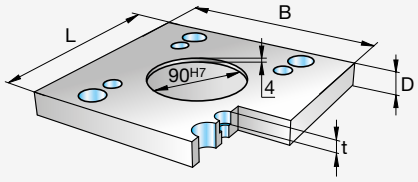
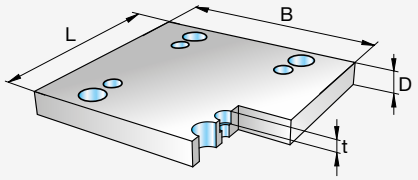


Type	B x L = 268 x 546 / B1 x L1 = 240 x 464	D	Mat. 1730	2085	2312
F7		27	■	■	■

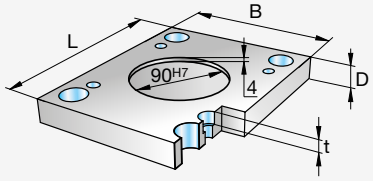
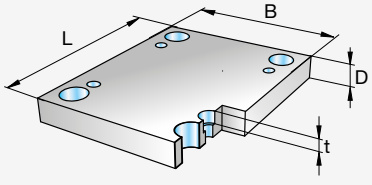
Type	B x L = 268 x 546 / B1 x L1 = 240 x 464	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 396 x 546 | Cavity plates 396 x 546 | Plaques porte-empreinte 396 x 546

Type	B x L = 496 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	■
			46	■	■	■
F6		17,5	36	■	■	■
			46	■	■	■

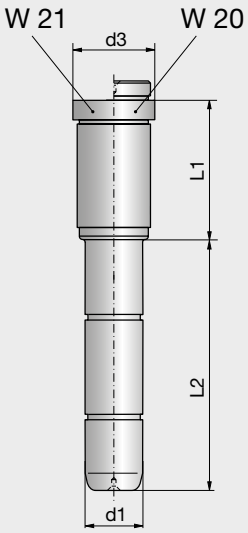
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	■
			36	■	■	■
F10		17,5	27	■	■	■
			36	■	■	■

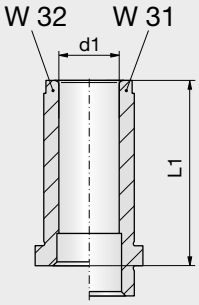
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

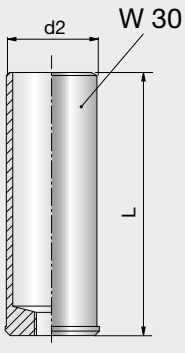
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



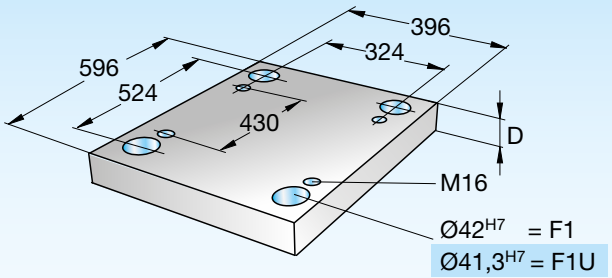
d1 = 30/32



d2 = 42

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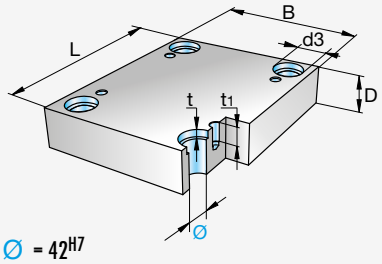
Formplatten 396 x 596 | Cavity plates 396 x 596 | Plaques porte-empreinte 396 x 596

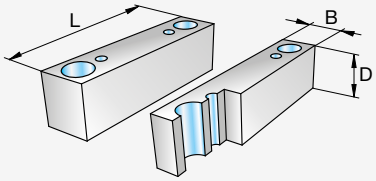


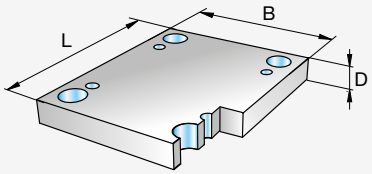
OXA

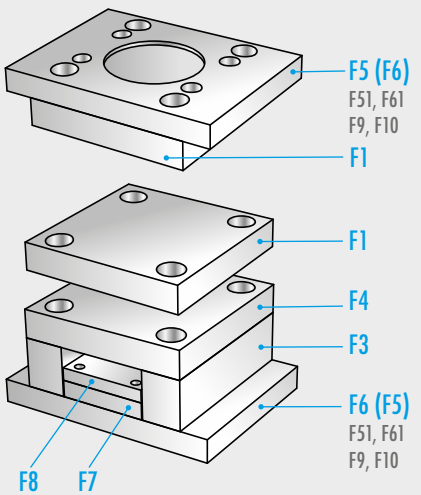
396 x 596

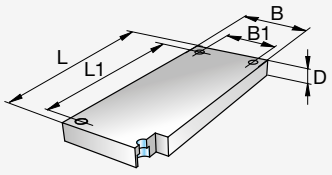
396 x 596-
Type-D-Mat.

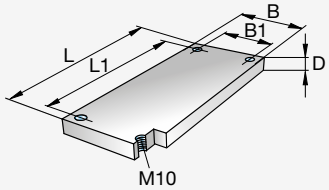
Type	B x L = 396 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■	■	
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 396 x 596	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

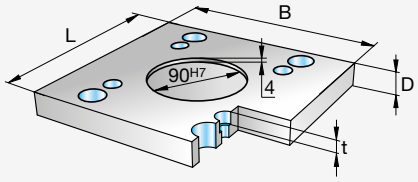
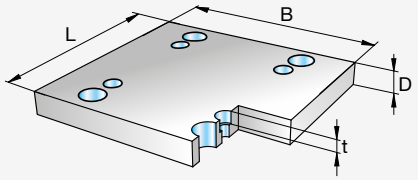


Type	B x L = 268 x 596 / B1 x L1 = 240 x 514	D	Mat. 1730	2085	2312
F7		27	■	■	■

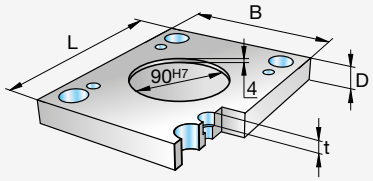
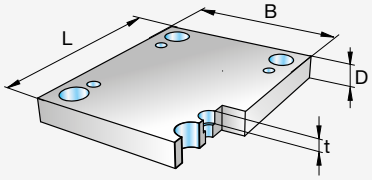
Type	B x L = 268 x 596 / B1 x L1 = 240 x 514	D	Mat. 1730	2085	2312
F8		22	■	■	

D 3001 09.2017

Formplatten 396 x 596 | Cavity plates 396 x 596 | Plaques porte-empreinte 396 x 596

Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

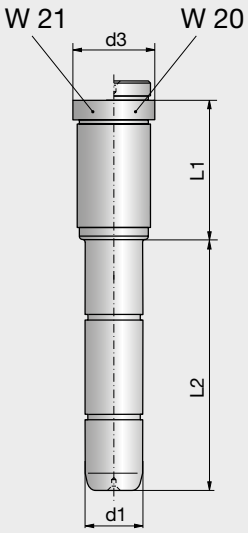
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

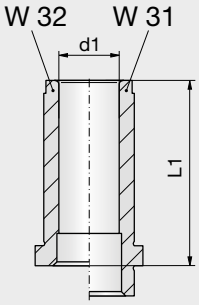
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

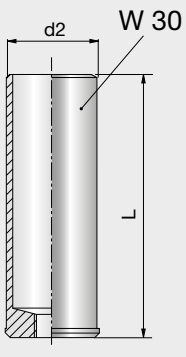
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

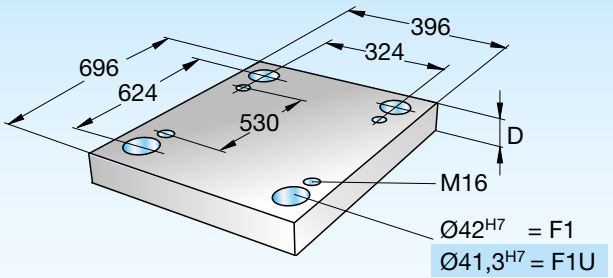


d1 = 30/32



d2 = 42

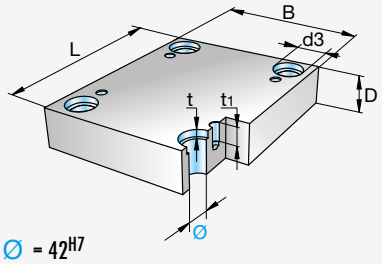
Formplatten 396 x 696 | Cavity plates 396 x 696 | Plaques porte-empreinte 396 x 696

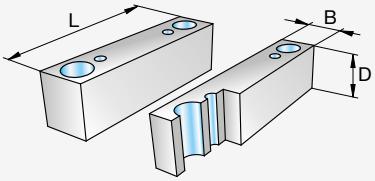


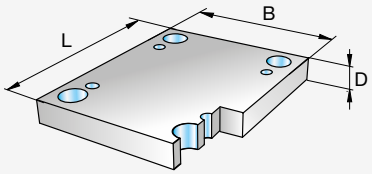
OXA

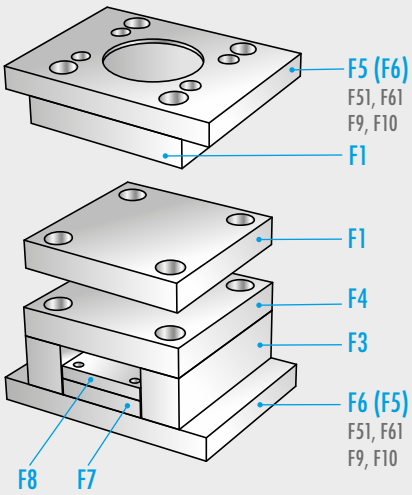
396 x 696

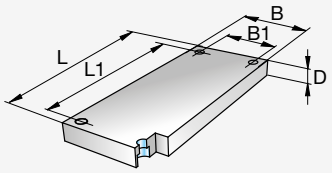
396 x 696-
Type-D-Mat.

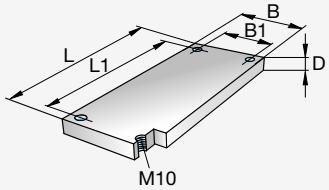
Type	B x L = 396 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 396 x 696	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

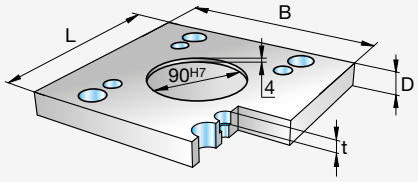
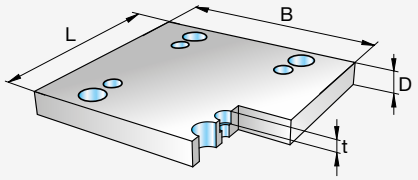


Type	B x L = 268 x 696 / B1 x L1 = 240 x 614	D	Mat. 1730	2085	2312
F7		36	■	■	■

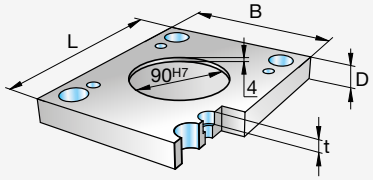
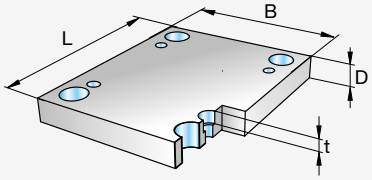
Type	B x L = 268 x 696 / B1 x L1 = 240 x 614	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 396 x 696 | Cavity plates 396 x 696 | Plaques porte-empreinte 396 x 696

Type	B x L = 496 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

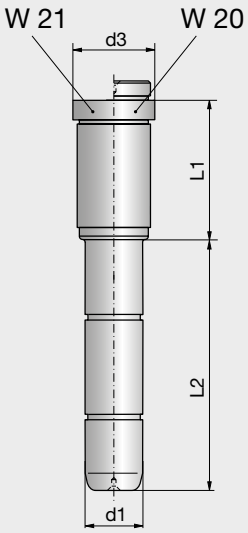
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 396 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

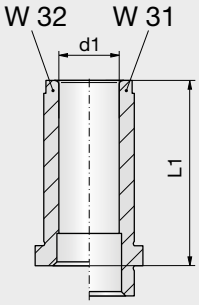
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

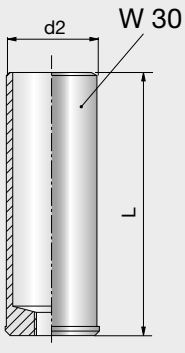
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



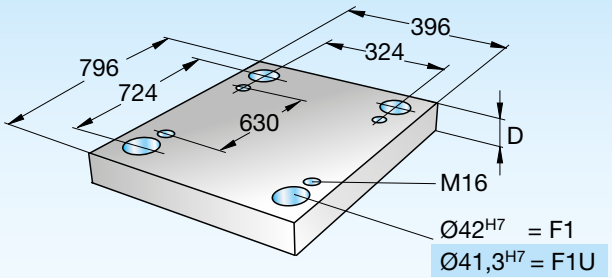
d1 = 30/32



d2 = 42

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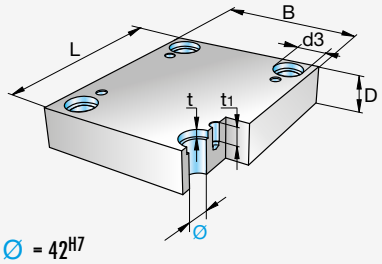
Formplatten 396 x 796 | Cavity plates 396 x 796 | Plaques porte-empreinte 396 x 796

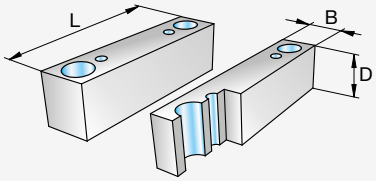


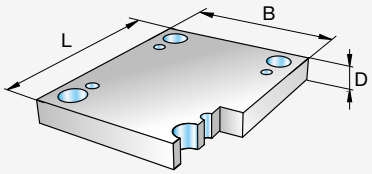
OXA

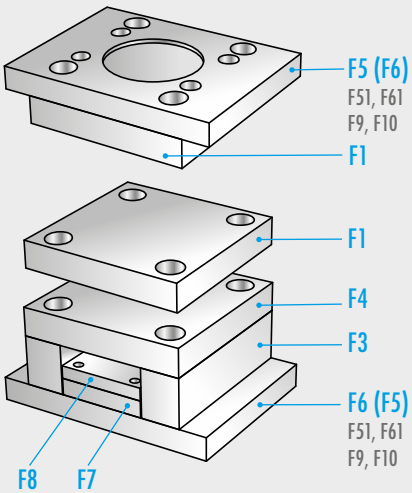
396 x 796

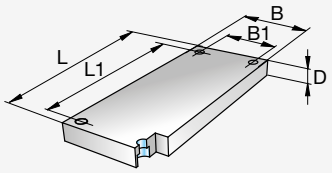
396 x 796-
Type-D-Mat.

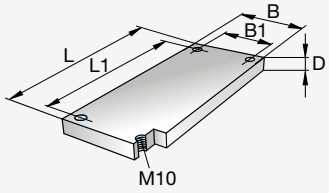
Type	B x L = 396 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		76	■		■		■	■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
F3		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

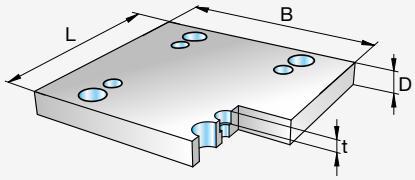
Type	B x L = 396 x 796	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■



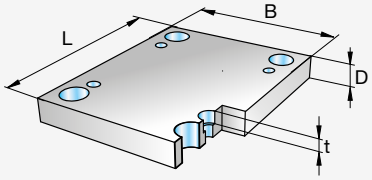
Type	B x L = 268 x 796 / B1 x L1 = 236 x 714	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 268 x 796 / B1 x L1 = 236 x 714	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 396 x 796 | Cavity plates 396 x 796

Type	B x L = 496 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		17,5	46	■	■	
			56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

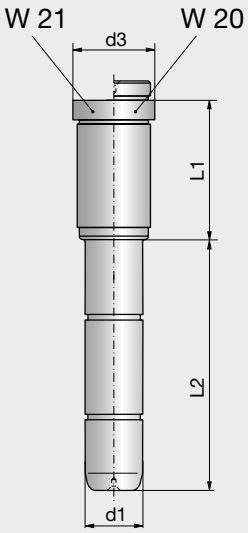
Type	B x L = 396 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		17,5	36	■	■	
			46	■	■	■

Plaques porte-empreinte 396 x 796

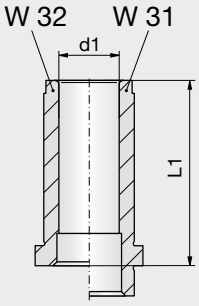
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

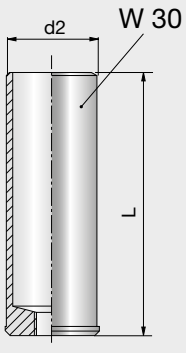
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

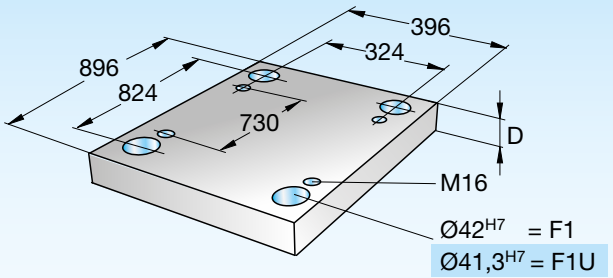


d1 = 30/32



d2 = 42

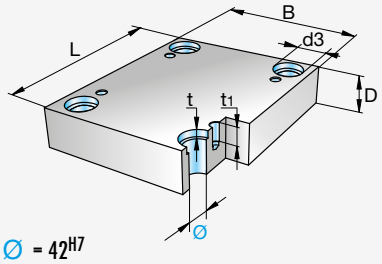
Formplatten 396 x 896 | Cavity plates 396 x 896 | Plaques porte-empreinte 396 x 896

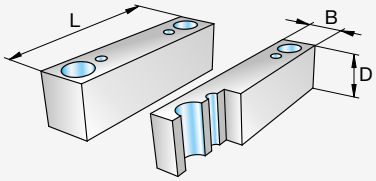


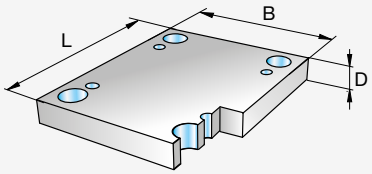
OXA

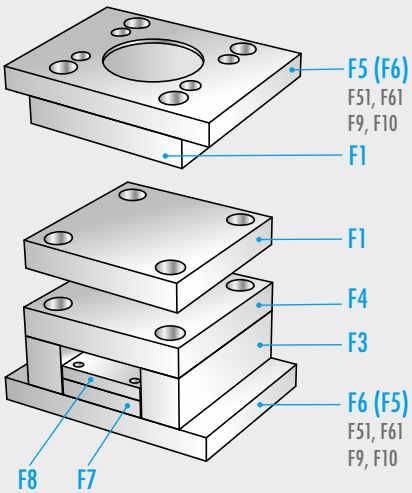
396 x 896

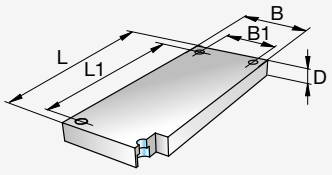
396 x 896-
Type-D-Mat.

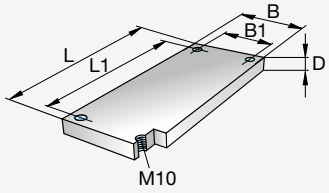
Type	B x L = 396 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■							
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		76	■		■		■	■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 896	D	Mat. 1730	2085	2312
F3		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

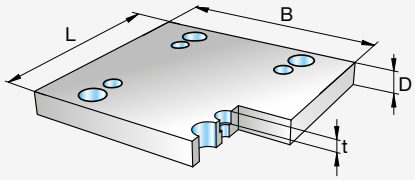
Type	B x L = 396 x 896	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■



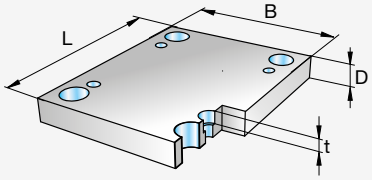
Type	B x L = 268 x 896 / B1 x L1 = 236 x 814	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 268 x 896 / B1 x L1 = 236 x 814	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 396 x 896 | Cavity plates 396 x 896

Type	B x L = 496 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		21	46	■	■	
			56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

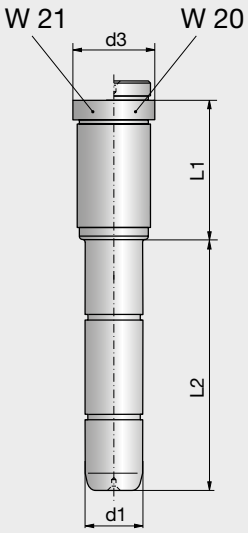
Type	B x L = 396 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		21	36	■	■	
			46	■	■	■

Plaques porte-empreinte 396 x 896

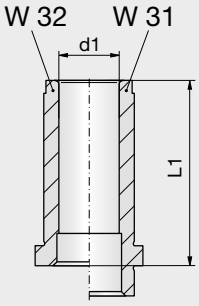
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

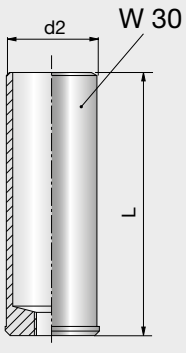
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

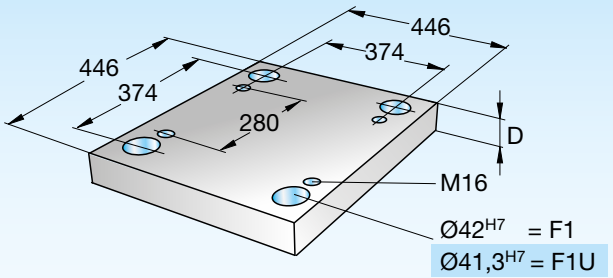


d1 = 30/32



d2 = 42

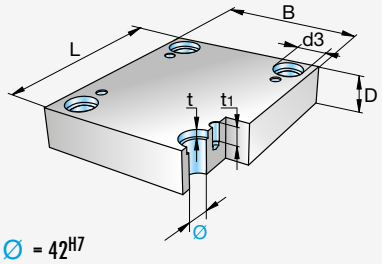
Formplatten 446 x 446 | Cavity plates 446 x 446 | Plaques porte-empreinte 446 x 446

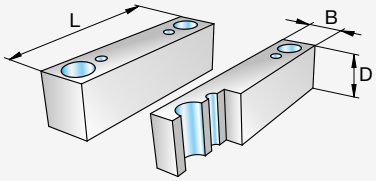


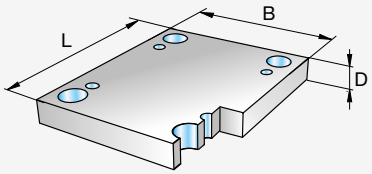
OXA

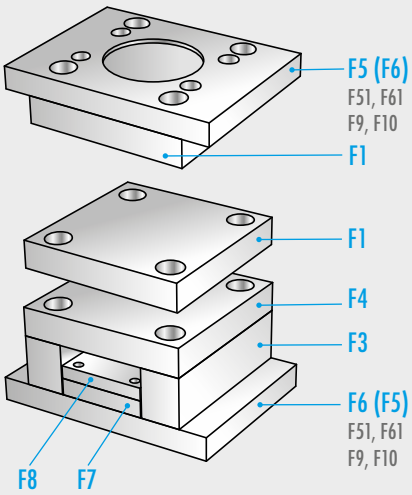
446 x 446

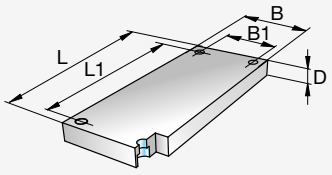
446 x 446-
Type-D-Mat.

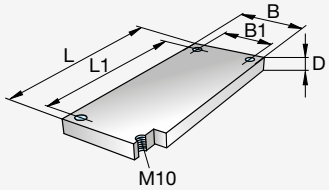
Type	B x L = 446 x 446	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■	■	■	■		
			26		46	■		■	■	■	■		
			26		56	■		■	■	■	■	■	
			26		66	■		■			■		
			26		76	■		■	■	■	■	■	
			26		86	■		■			■		
			26		96	■		■	■	■	■	■	
			26		116	■		■	■	■	■	■	

Type	B x L = 62 x 446	D	Mat. 1730	2085	2312
F3		56	■	■	
		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	

Type	B x L = 446 x 446	D	Mat. 1730	2085	2312
F4		36	■	■	
		46	■	■	■

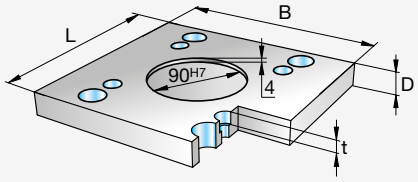
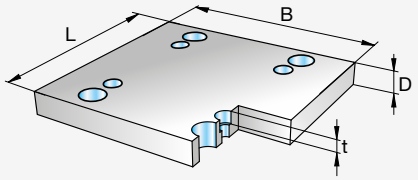


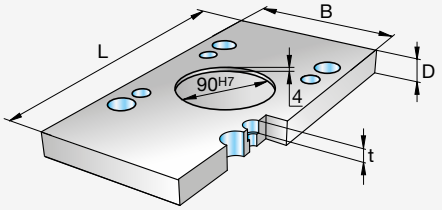
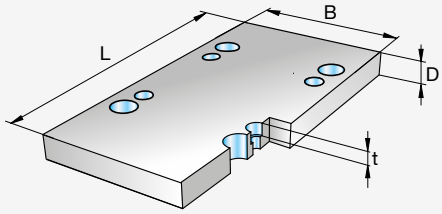
Type	B x L = 318 x 446 / B1 x L1 = 286 x 364	D	Mat. 1730	2085	2312
F7		27	■	■	■

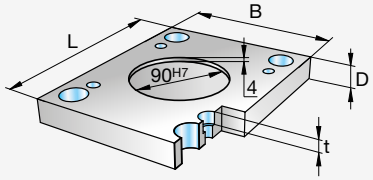
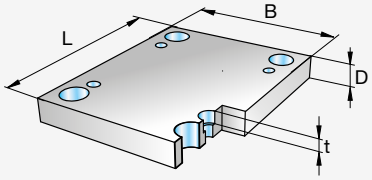
Type	B x L = 318 x 446 / B1 x L1 = 286 x 364	D	Mat. 1730	2085	2312
F8		17	■	■	

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Formplatten 446 x 446 | Cavity plates 446 x 446 | Plaques porte-empreinte 446 x 446

Type	B x L = 546 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	■
			46	■	■	■
F6		17,5	36	■	■	■
			46	■	■	■

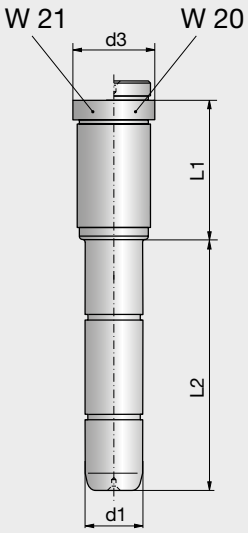
Type	B x L = 446 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	36	■	■	■
			46	■	■	■
F61		17,5	36	■	■	■
			46	■	■	■

Type	B x L = 446 x 446	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

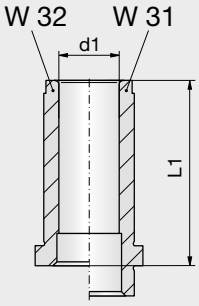
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

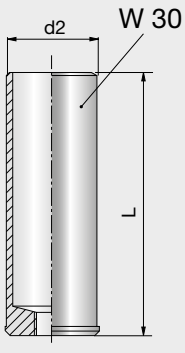
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

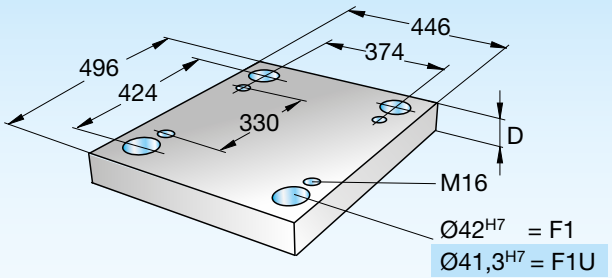


d1 = 30/32



d2 = 42

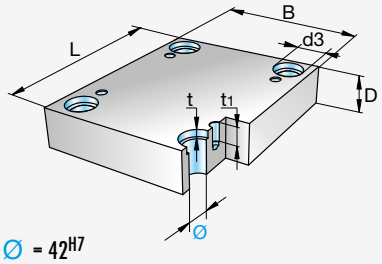
Formplatten 446 x 496 | Cavity plates 446 x 496 | Plaques porte-empreinte 446 x 496

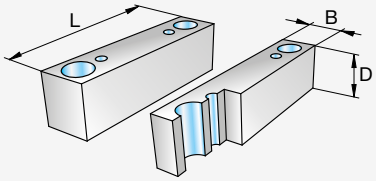


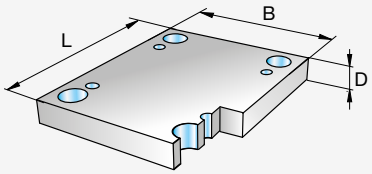
OXA

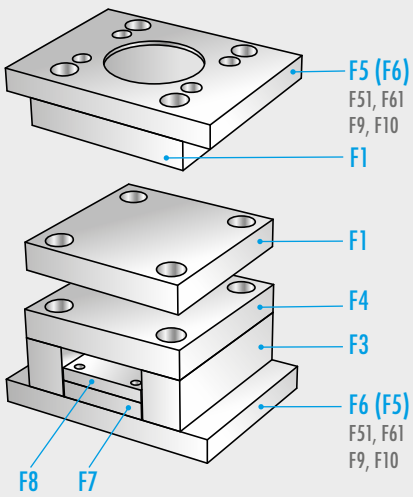
446 x 496

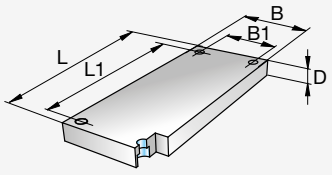
446 x 496-
Type-D-Mat.

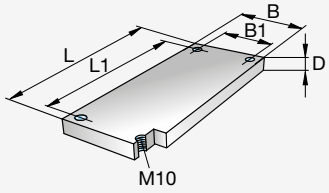
Type	B x L = 446 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■	■	
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

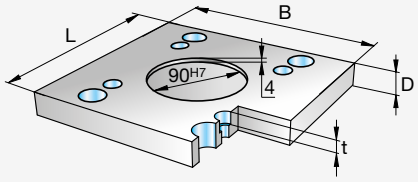
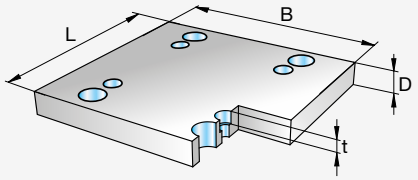
Type	B x L = 446 x 496	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

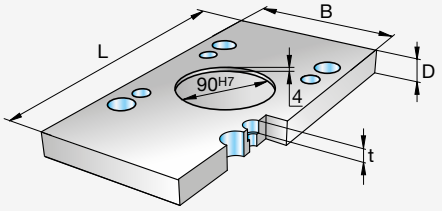
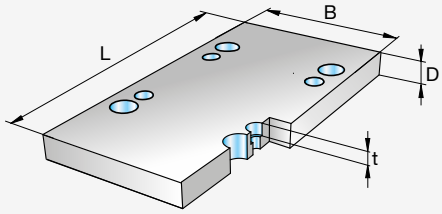


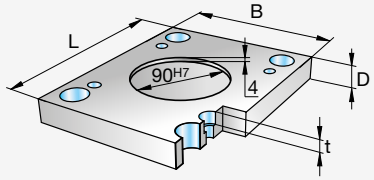
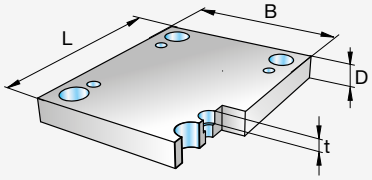
Type	B x L = 318 x 496 / B1 x L1 = 286 x 414	D	Mat. 1730	2085	2312
F7		27	■	■	■

Type	B x L = 318 x 496 / B1 x L1 = 286 x 414	D	Mat. 1730	2085	2312
F8		22	■	■	

Formplatten 446 x 496 | Cavity plates 446 x 496 | Plaques porte-empreinte 446 x 496

Type	B x L = 546 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

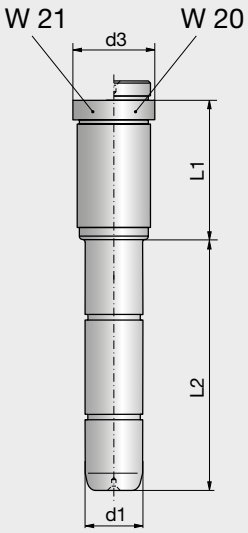
Type	B x L = 446 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	36	■	■	
			46	■	■	■
F61		17,5	36	■	■	
			46	■	■	■

Type	B x L = 446 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

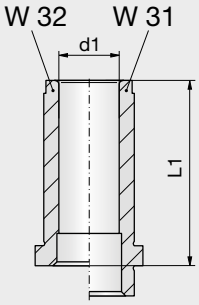
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

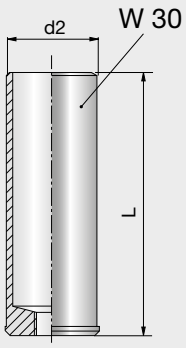
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

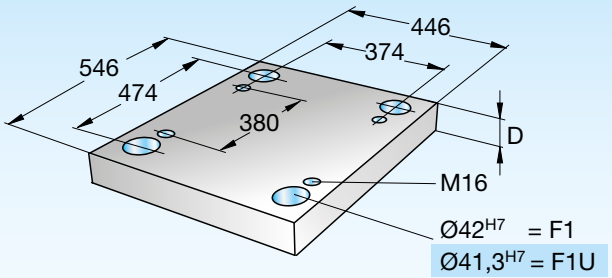


d1 = 30/32



d2 = 42

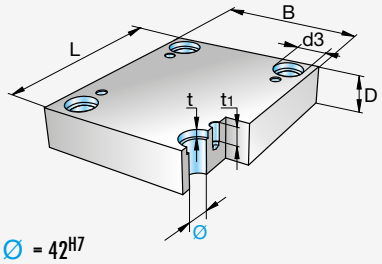
Formplatten 446 x 546 | Cavity plates 446 x 546 | Plaques porte-empreinte 446 x 546

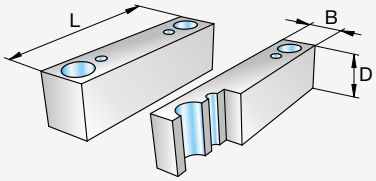


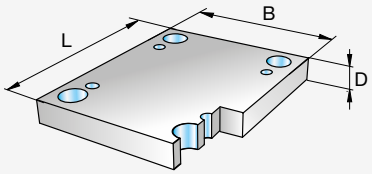
OXA

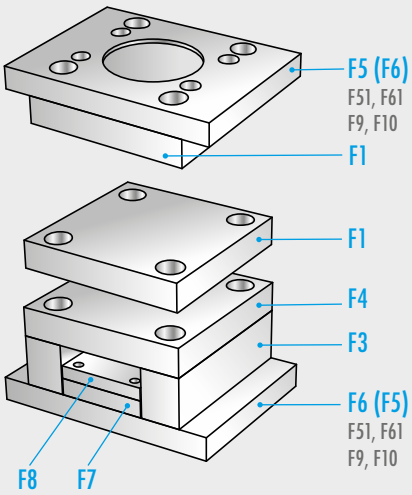
446 x 546

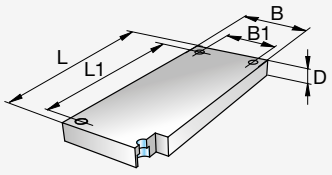
446 x 546-
Type-D-Mat.

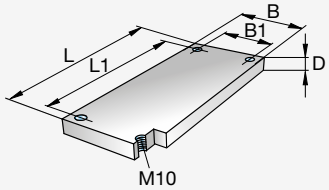
Type	B x L = 446 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■	■	
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	

Type	B x L = 62 x 546	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 446 x 546	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

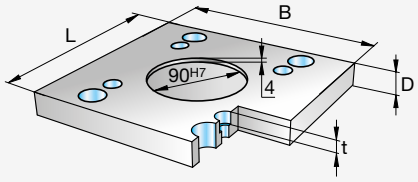
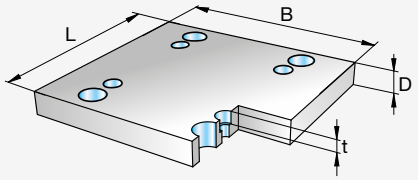


Type	B x L = 318 x 546 / B1 x L1 = 286 x 464	D	Mat. 1730	2085	2312
F7		27	■	■	■

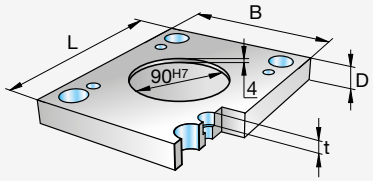
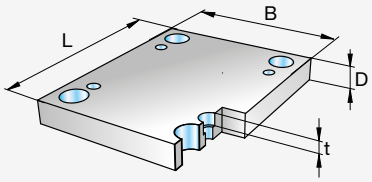
Type	B x L = 318 x 546 / B1 x L1 = 286 x 464	D	Mat. 1730	2085	2312
F8		22	■	■	

D 3001 09.2017

Formplatten 446 x 546 | Cavity plates 446 x 546 | Plaques porte-empreinte 446 x 546

Type	B x L = 546 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	■
F6		17,5	36	■	■	
			46	■	■	■

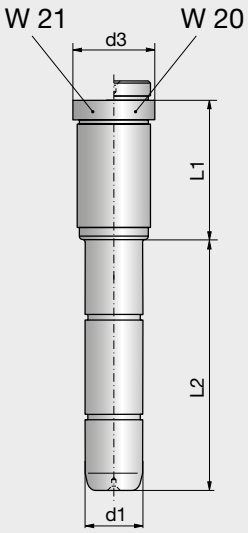
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

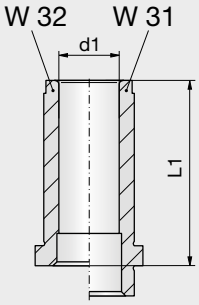
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

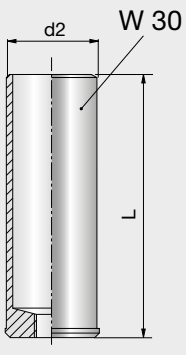
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

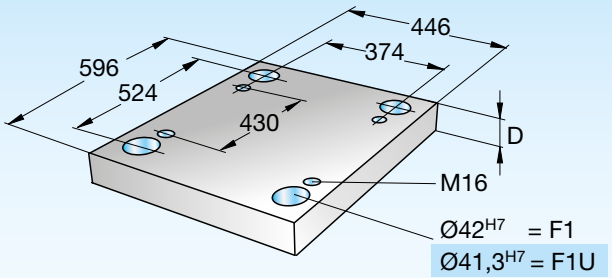


d1 = 30/32



d2 = 42

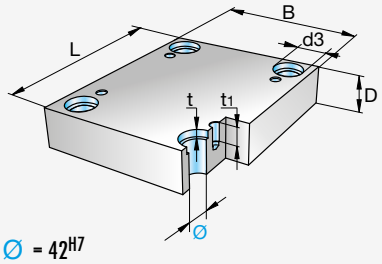
Formplatten 446 x 596 | Cavity plates 446 x 596 | Plaques porte-empreinte 446 x 596

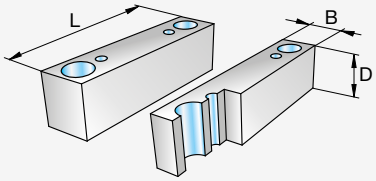


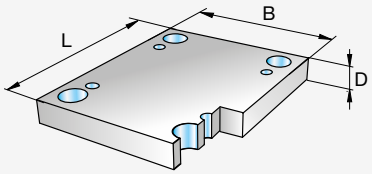
OXA

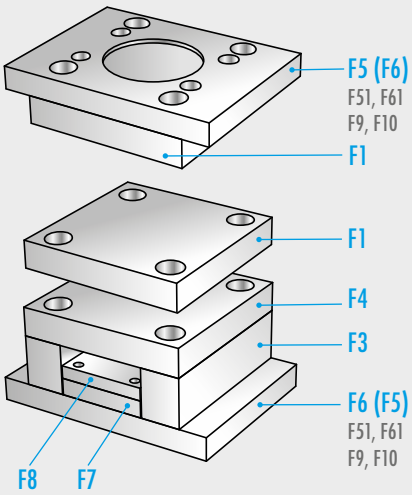
446 x 596

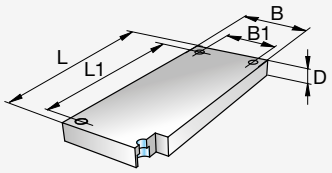
446 x 596-
Type-D-Mat.

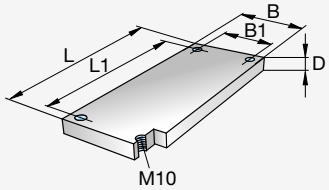
Type	B x L = 446 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■		■	■		
			26		46	■		■		■	■		
			26		56	■		■		■	■	■	
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 446 x 596	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

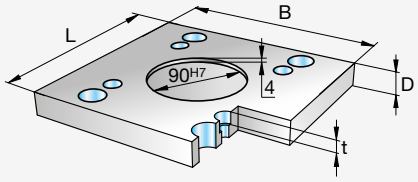
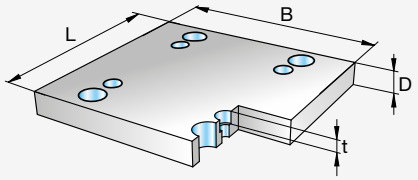


Type	B x L = 318 x 596 / B1 x L1 = 286 x 514	D	Mat. 1730	2085	2312
F7		27	■	■	■

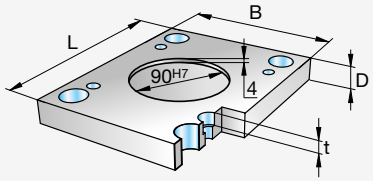
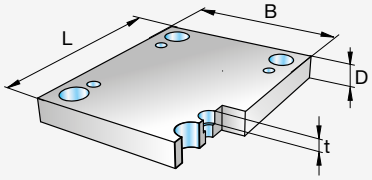
Type	B x L = 318 x 596 / B1 x L1 = 286 x 514	D	Mat. 1730	2085	2312
F8		22	■	■	

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Formplatten 446 x 596 | Cavity plates 446 x 596 | Plaques porte-empreinte 446 x 596

Type	B x L = 546 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	■
			46	■	■	■
F6		17,5	36	■	■	■
			46	■	■	■

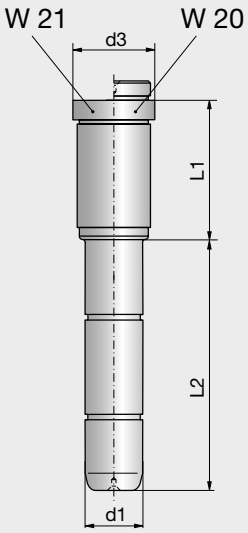
Type	t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	■
F10		17,5	27	■	■	
			36	■	■	■

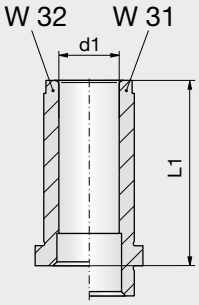
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

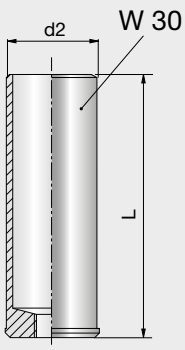
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

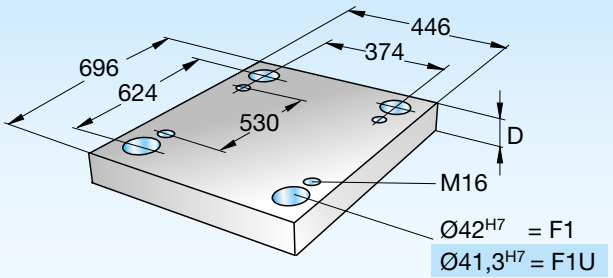


d1 = 30/32



d2 = 42

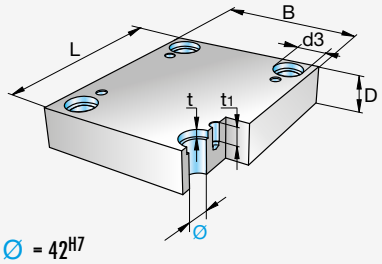
Formplatten 446 x 696 | Cavity plates 446 x 696 | Plaques porte-empreinte 446 x 696

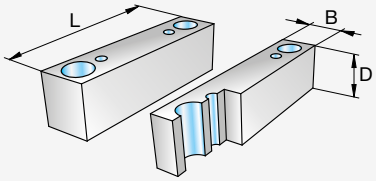


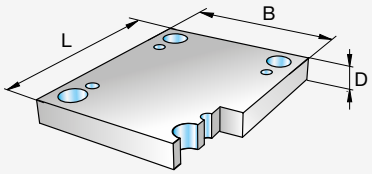
OXA

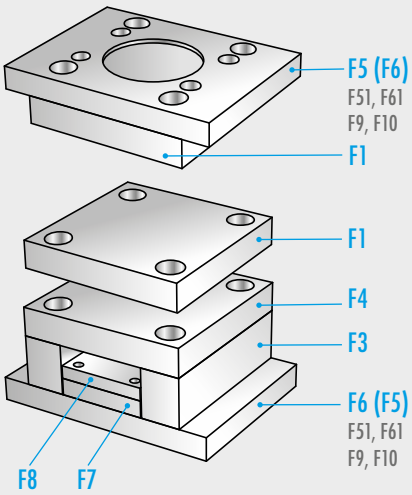
446 x 696

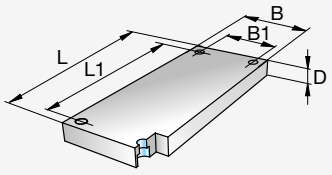
446 x 696-
Type-D-Mat.

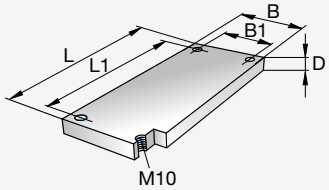
Type	B x L = 446 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 446 x 696	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

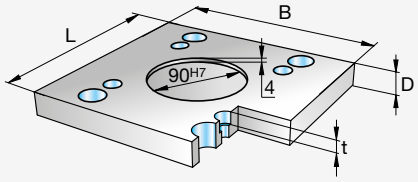
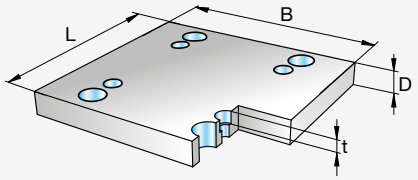


Type	B x L = 318 x 696 / B1 x L1 = 286 x 614	D	Mat. 1730	2085	2312
F7		36	■	■	■

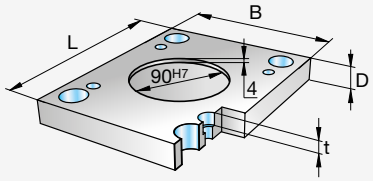
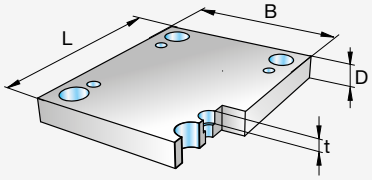
Type	B x L = 318 x 696 / B1 x L1 = 286 x 614	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 446 x 696 | Cavity plates 446 x 696 | Plaques porte-empreinte 446 x 696

Type	B x L = 546 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

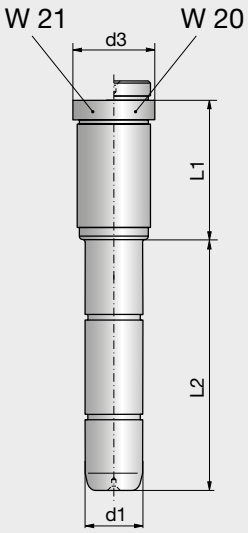
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 446 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

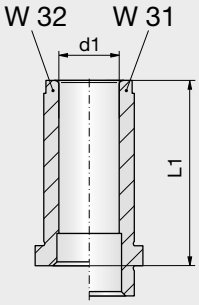
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

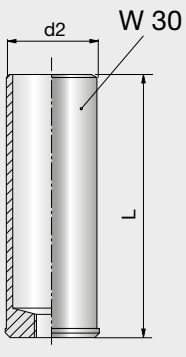
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

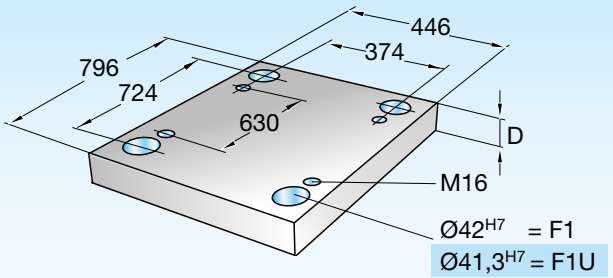


d1 = 30/32



d2 = 42

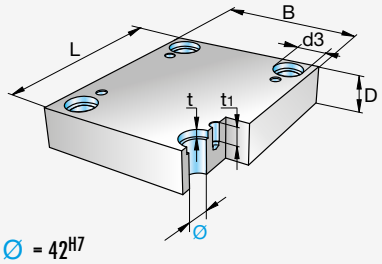
Formplatten 446 x 796 | Cavity plates 446 x 796 | Plaques porte-empreinte 446 x 796

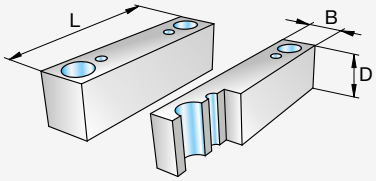


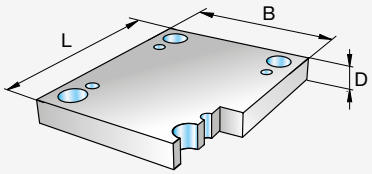
OXA

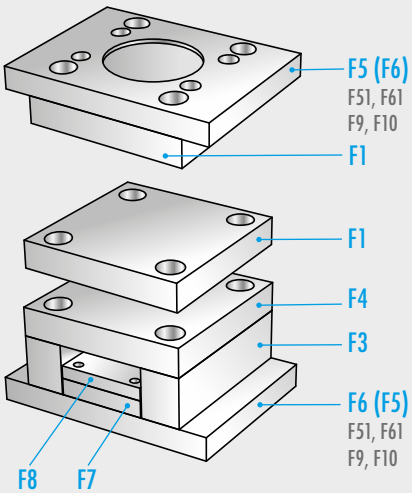
446 x 796

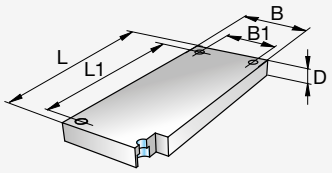
446 x 796-
Type-D-Mat.

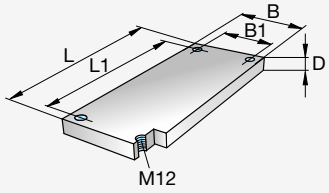
Type	B x L = 446 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		76	■		■		■	■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 796	D	Mat. 1730	2085	2312
F3		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

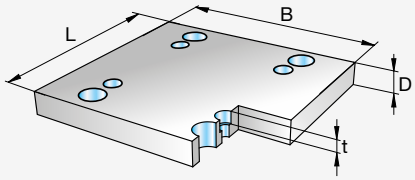
Type	B x L = 446 x 796	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■



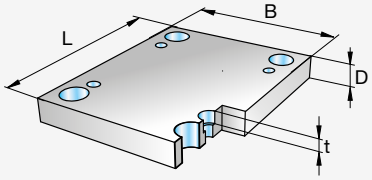
Type	B x L = 318 x 796 / B1 x L1 = 286 x 714	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 318 x 796 / B1 x L1 = 286 x 714	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 446 x 796 | Cavity plates 446 x 796

Type	B x L = 546 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		17,5	46	■	■	
			56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

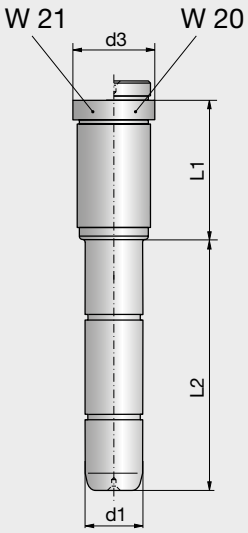
Type	B x L = 446 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		17,5	36	■	■	
			46	■	■	■

Plaques porte-empreinte 446 x 796

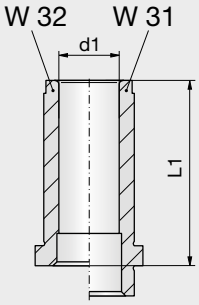
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

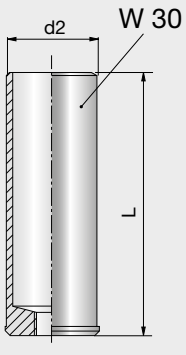
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



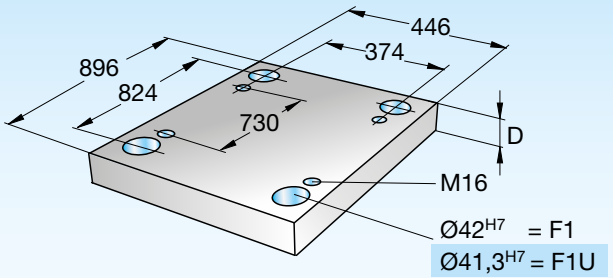
d1 = 30/32



d2 = 42

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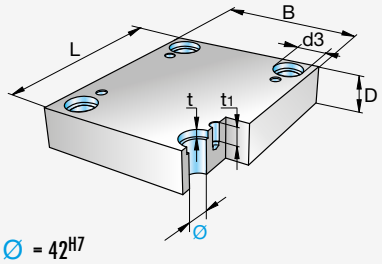
Formplatten 446 x 896 | Cavity plates 446 x 896 | Plaques porte-empreinte 446 x 896

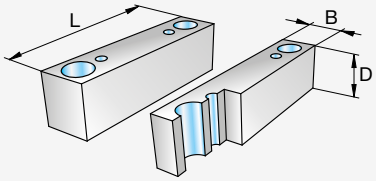


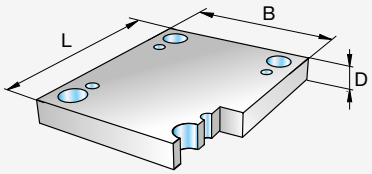
OXA

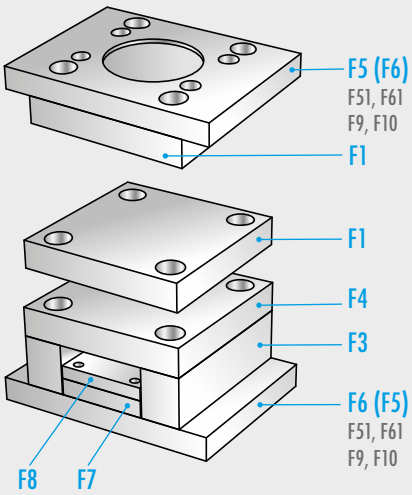
446 x 896

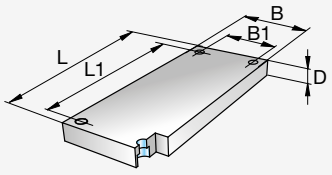
446 x 896-
Type-D-Mat.

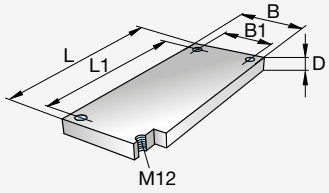
Type	B x L = 446 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		76	■		■		■	■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 896	D	Mat. 1730	2085	2312
F3		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 446 x 896	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

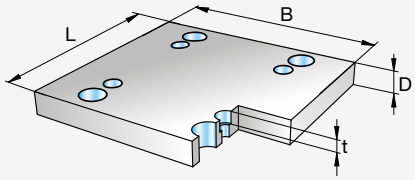


Type	B x L = 318 x 896 / B1 x L1 = 286 x 814	D	Mat. 1730	2085	2312
F7		36	■	■	■

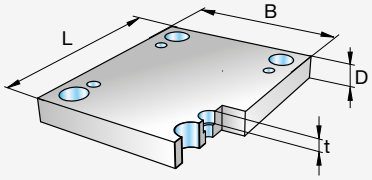
Type	B x L = 318 x 896 / B1 x L1 = 286 x 814	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 446 x 896 | Cavity plates 446 x 896

Type	B x L = 546 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		17,5	46	■	■	
			56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

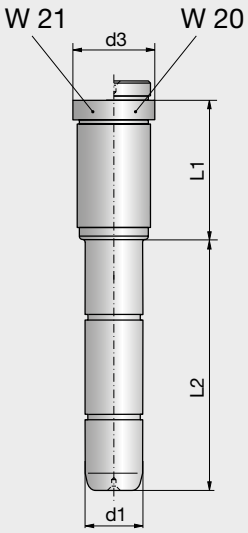
Type	B x L = 446 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		17,5	36	■	■	
			46	■	■	■

Plaques porte-empreinte 446 x 896

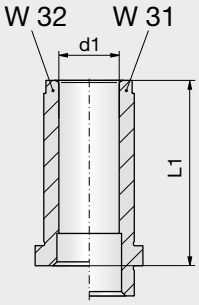
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

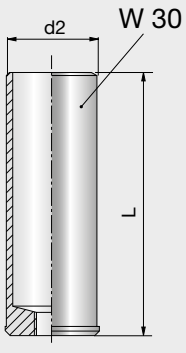
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



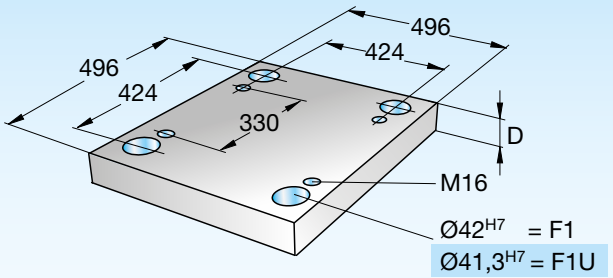
d1 = 30/32



d2 = 42

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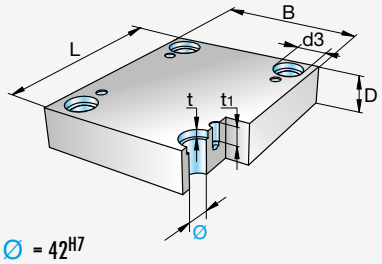
Formplatten 496 x 496 | Cavity plates 496 x 496 | Plaques porte-empreinte 496 x 496

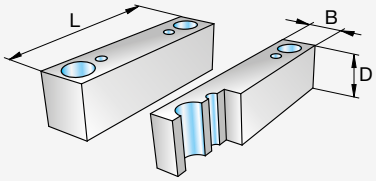


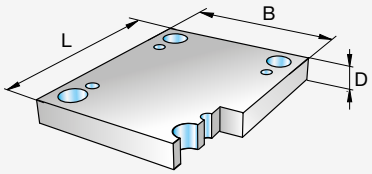
OXA

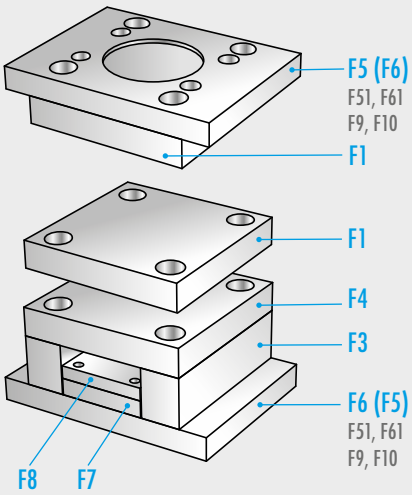
496 x 496

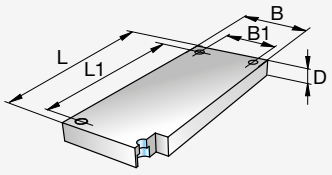
496 x 496-
Type-D-Mat.

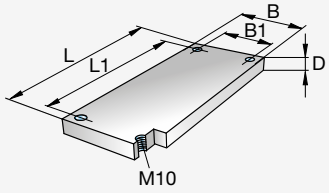
Type	B x L = 496 x 496	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 496	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 496 x 496	D	Mat. 1730	2085	2312
F4		46	■	■	■
		56	■	■	■

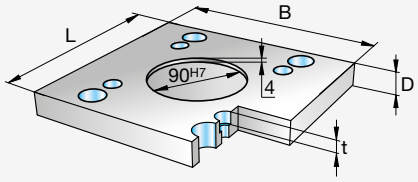
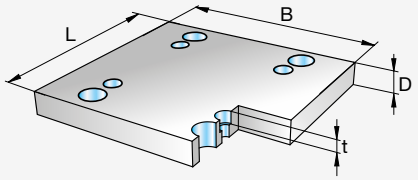


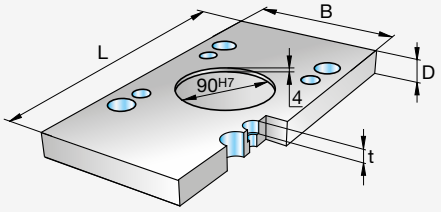
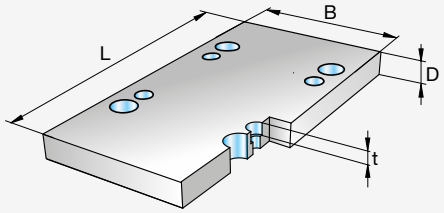
Type	B x L = 368 x 496 / B1 x L1 = 336 x 414	D	Mat. 1730	2085	2312
F7		36	■	■	■

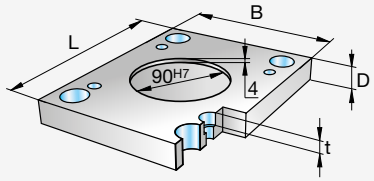
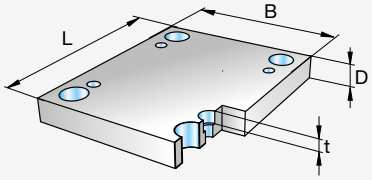
Type	B x L = 368 x 496 / B1 x L1 = 336 x 414	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 496 x 496 | Cavity plates 496 x 496 | Plaques porte-empreinte 496 x 496

Type	B x L = 596 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	
			56	■	■	■
F6		17,5	36	■	■	
			46	■	■	
			56	■	■	■

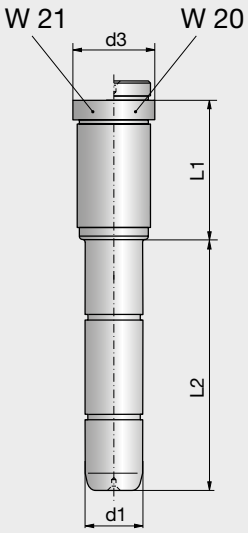
Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51		17,5	36	■	■	
			46	■	■	
			56	■	■	■
F61		17,5	36	■	■	
			46	■	■	
			56	■	■	■

Type	B x L = 496 x 496	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	
			46	■	■	■
F10		17,5	27	■	■	
			36	■	■	
			46	■	■	■

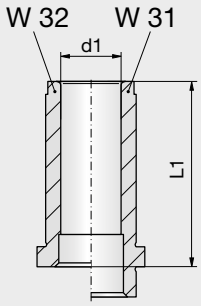
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

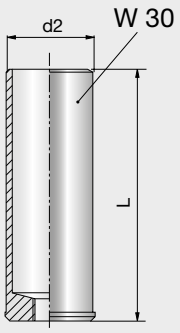
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



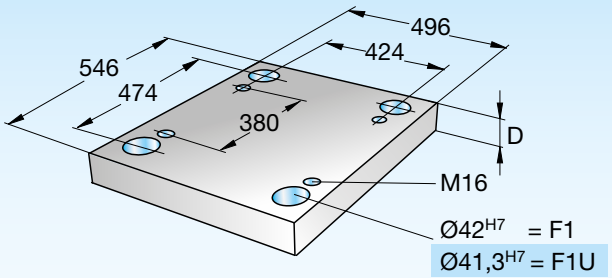
d1 = 30/32



d2 = 42

D 3001 09.2017

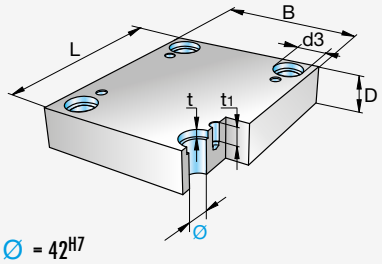
Formplatten 496 x 546 | Cavity plates 496 x 546 | Plaques porte-empreinte 496 x 546

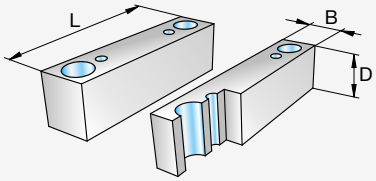


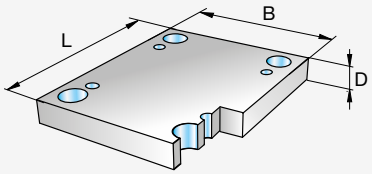
OXA

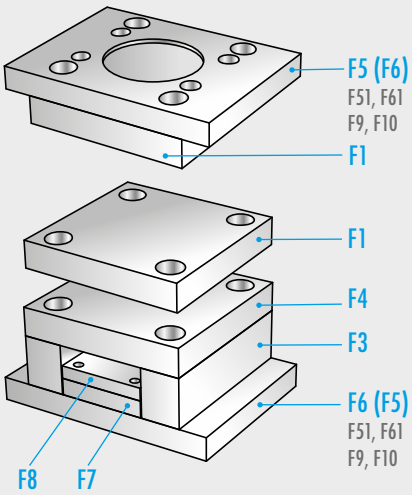
496 x 546

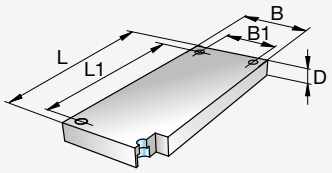
496 x 546-
Type-D-Mat.

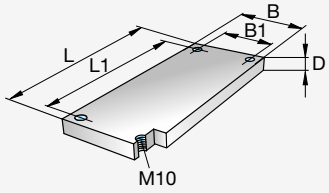
Type	B x L = 496 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	27	48	27	■		■			■		
			24,5		36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 546	D	Mat. 1730	2085	2312
F3		66	■	■	
		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 496 x 546	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

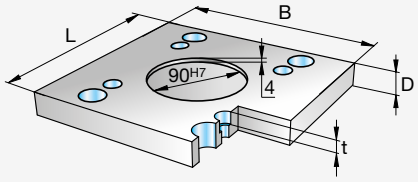
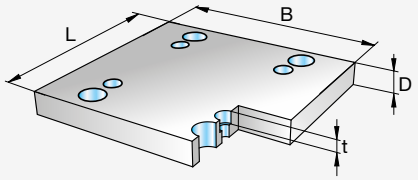


Type	B x L = 368 x 546 / B1 x L1 = 336 x 464	D	Mat. 1730	2085	2312
F7		36	■	■	■

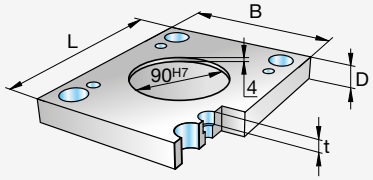
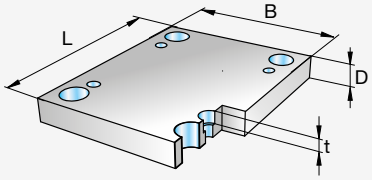
Type	B x L = 368 x 546 / B1 x L1 = 336 x 464	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 496 x 546 | Cavity plates 496 x 546 | Plaques porte-empreinte 496 x 546

Type	B x L = 596 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	36	■	■	
			46	■	■	
			56	■	■	■
F6		17,5	36	■	■	
			46	■	■	
			56	■	■	■

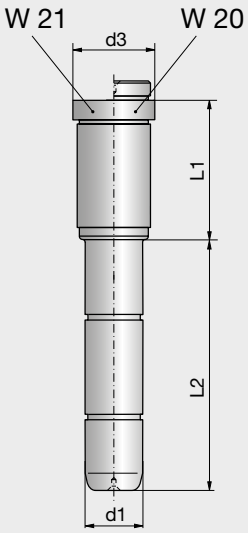
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	27	■	■	
			36	■	■	
			46	■	■	■
F10		17,5	27	■	■	
			36	■	■	
			46	■	■	■

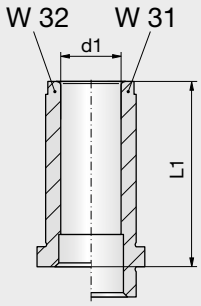
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

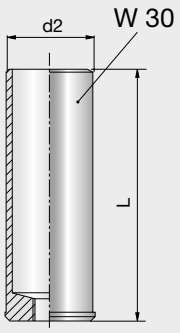
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



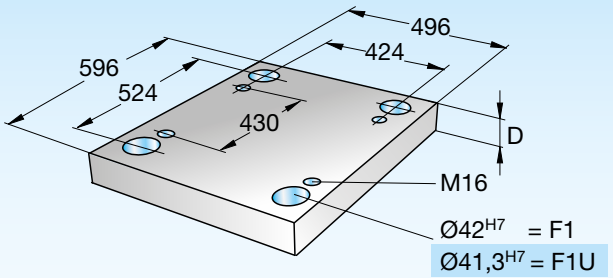
d1 = 30/32



d2 = 42

D 3001 09.2017

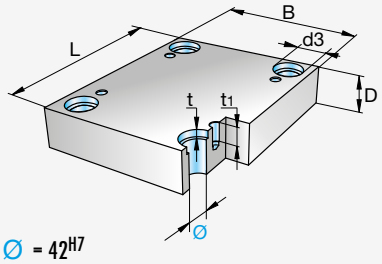
Formplatten 496 x 596 | Cavity plates 496 x 596 | Plaques porte-empreinte 496 x 596

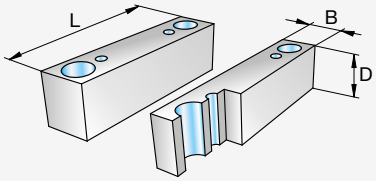


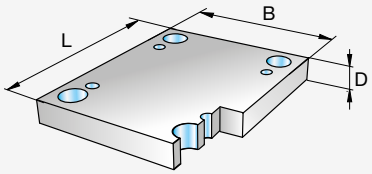
OXA

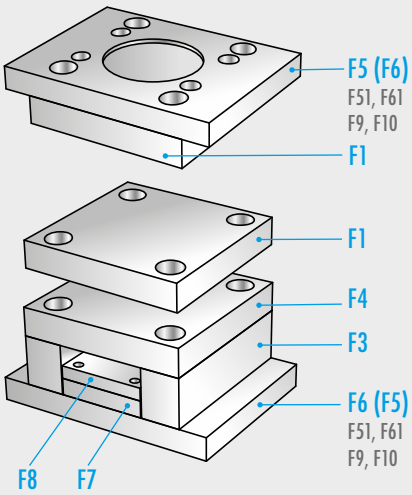
496 x 596

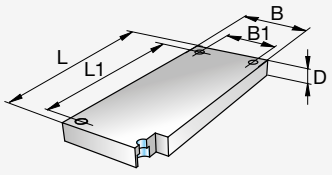
496 x 596-
Type-D-Mat.

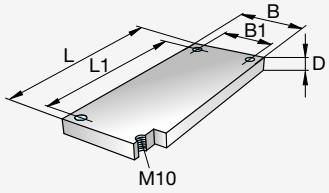
Type	B x L = 496 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 496 x 596	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

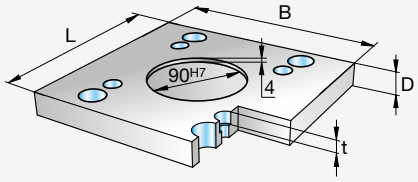
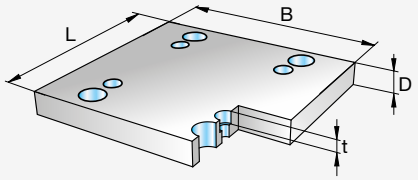


Type	B x L = 368 x 596 / B1 x L1 = 336 x 514	D	Mat. 1730	2085	2312
F7		36	■	■	■

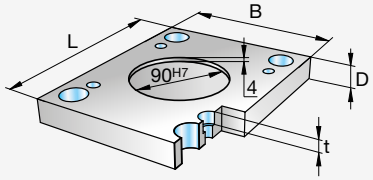
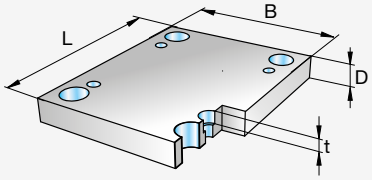
Type	B x L = 368 x 596 / B1 x L1 = 336 x 514	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 496 x 596 | Cavity plates 496 x 596 | Plaques porte-empreinte 496 x 596

Type	B x L = 596 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

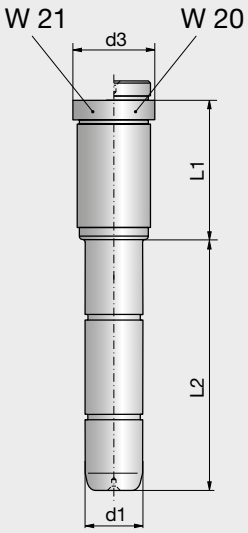
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

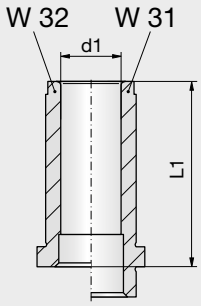
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

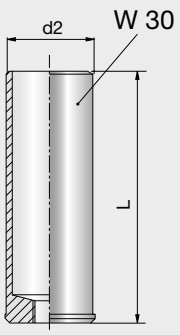
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

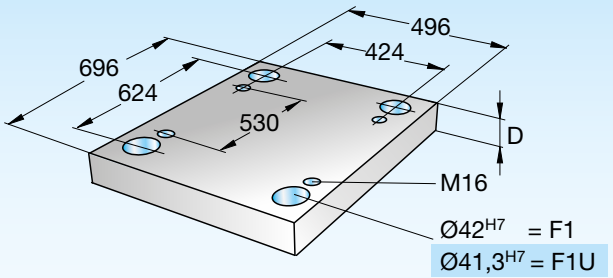


d1 = 30/32



d2 = 42

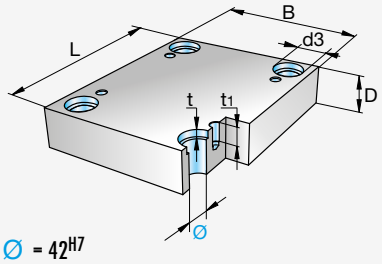
Formplatten 496 x 696 | Cavity plates 496 x 696 | Plaques porte-empreinte 496 x 696

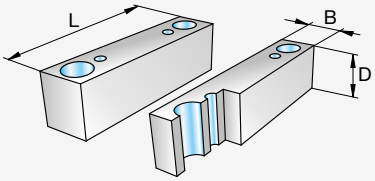


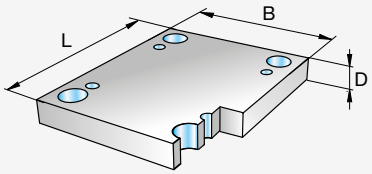
OXA

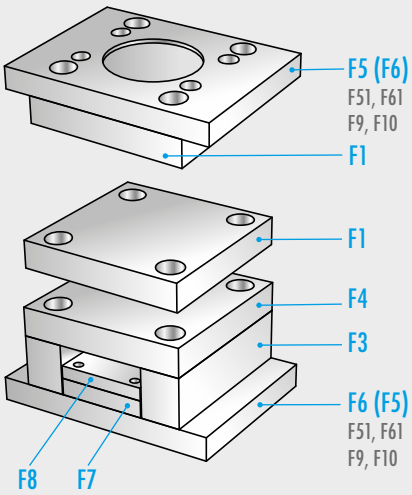
496 x 696

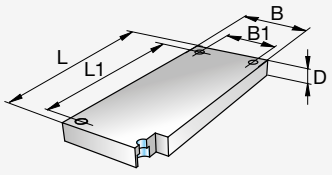
496 x 696-
Type-D-Mat.

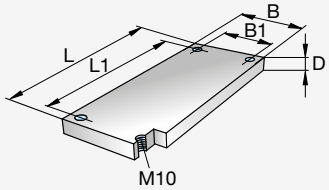
Type	B x L = 496 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 496 x 696	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■



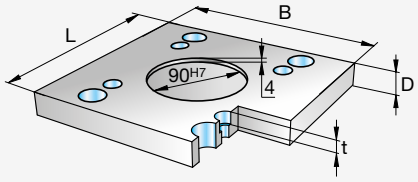
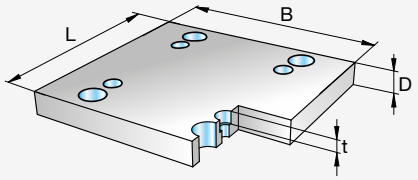
Type	B x L = 368 x 696 / B1 x L1 = 336 x 614	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 368 x 696 / B1 x L1 = 336 x 614	D	Mat. 1730	2085	2312
F8		27	■	■	

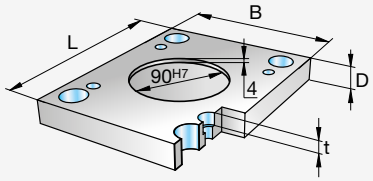
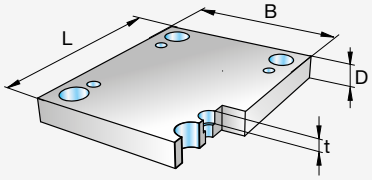
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STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

Formplatten 496 x 696 | Cavity plates 496 x 696 | Plaques porte-empreinte 496 x 696

Type	B x L = 596 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

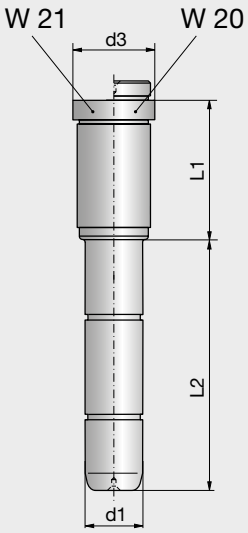
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 496 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

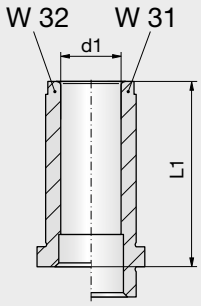
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

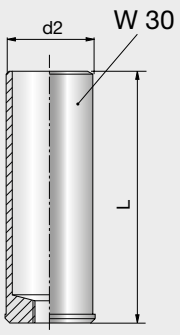
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



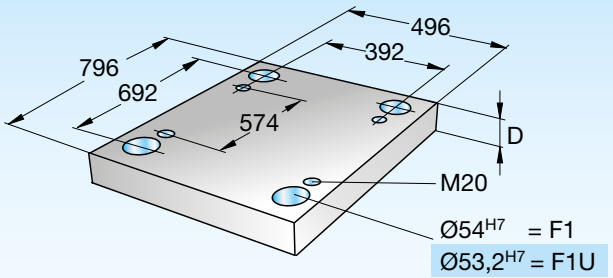
d1 = 30/32



d2 = 42

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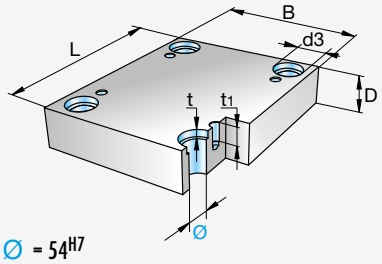
Formplatten 496 x 796 | Cavity plates 496 x 796 | Plaques porte-empreinte 496 x 796

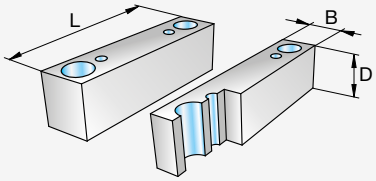


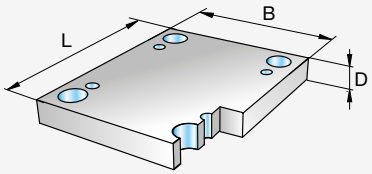
OXA

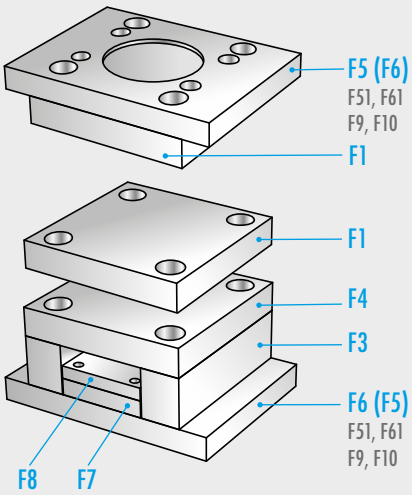
496 x 796

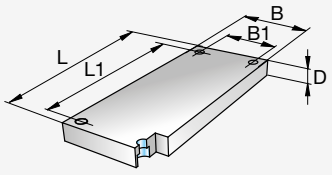
496 x 796-
Type-D-Mat.

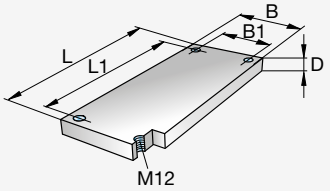
Type	B x L = 496 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■	■	
			32		76	■		■		■	■	■	
			32		96	■		■		■	■	■	
			32		116	■		■		■	■	■	
			32		136	■		■		■	■	■	
			32		156	■		■		■	■	■	
			32		196	■		■		■	■	■	

Type	B x L = 84 x 796	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 496 x 796	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■

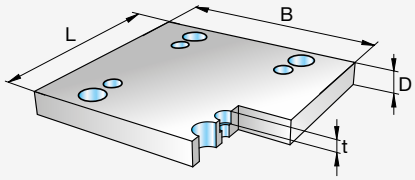


Type	B x L = 324 x 796 / B1 x L1 = 288 x 710	D	Mat. 1730	2085	2312
F7		36	■	■	■

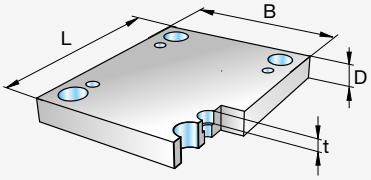
Type	B x L = 324 x 796 / B1 x L1 = 288 x 710	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 496 x 796 | Cavity plates 496 x 796

Type	B x L = 596 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

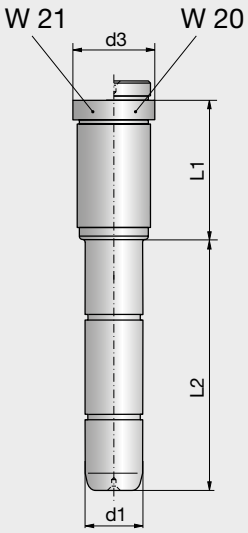
Type	B x L = 496 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	46	■	■	■

Plaques porte-empreinte 496 x 796

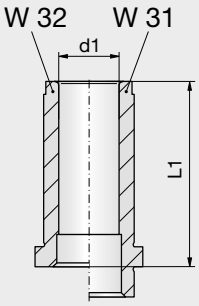
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

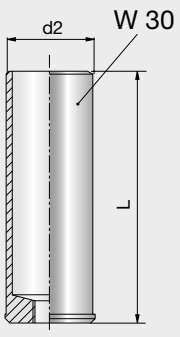
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



d1 = 40/42

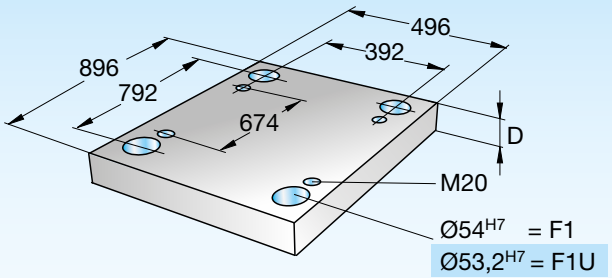


d2 = 54

2

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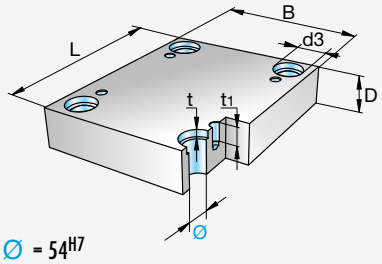
Formplatten 496 x 896 | Cavity plates 496 x 896 | Plaques porte-empreinte 496 x 896

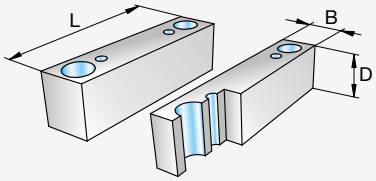


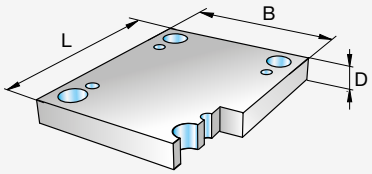
OXA

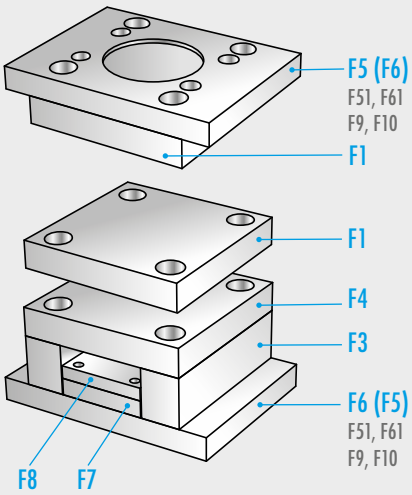
496 x 896

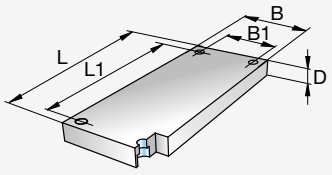
496 x 896-
Type-D-Mat.

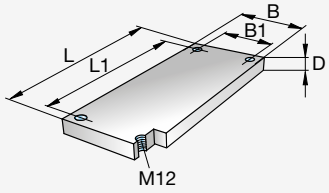
Type	B x L = 496 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 896	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 496 x 896	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■

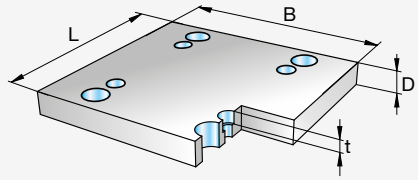


Type	B x L = 324 x 896 / B1 x L1 = 288 x 810	D	Mat. 1730	2085	2312
F7		36	■	■	■

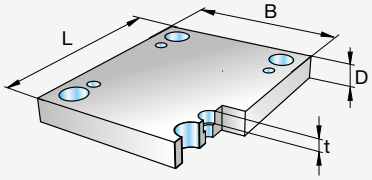
Type	B x L = 324 x 896 / B1 x L1 = 288 x 810	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 496 x 896 | Cavity plates 496 x 896

Type	B x L = 596 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

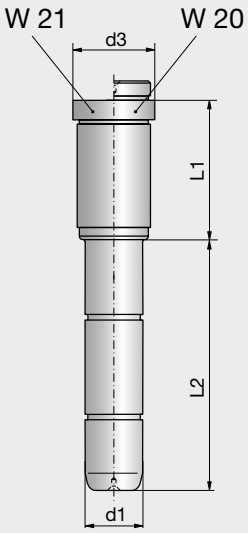
Type	B x L = 496 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	46	■	■	■

Plaques porte-empreinte 496 x 896

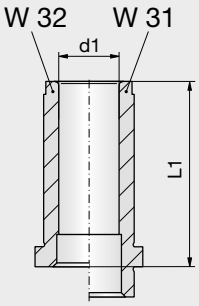
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

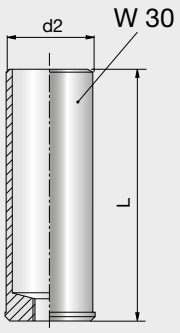
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



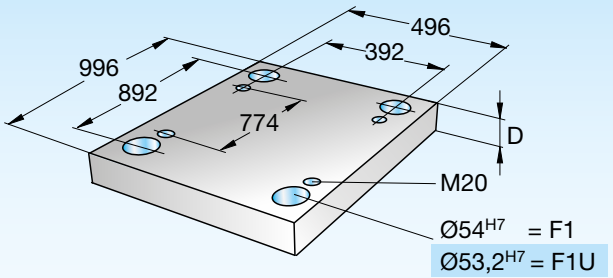
d1 = 40/42



d2 = 54

D 3001 09.2017

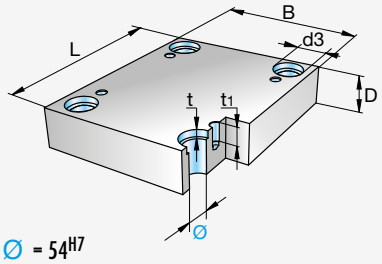
Formplatten 496 x 996 | Cavity plates 496 x 996 | Plaques porte-empreinte 496 x 996

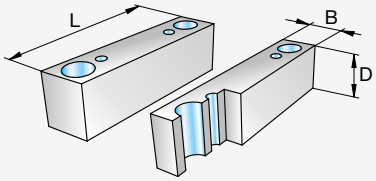


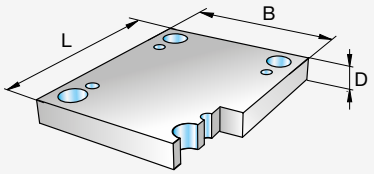
OXA

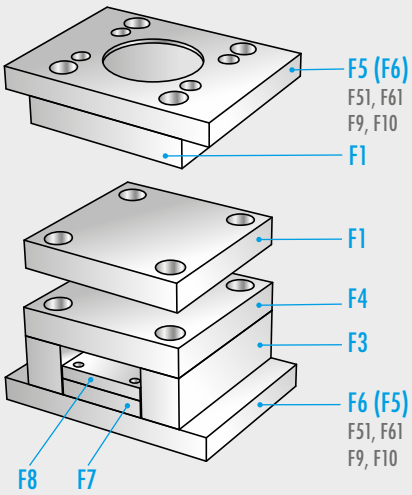
496 x 996

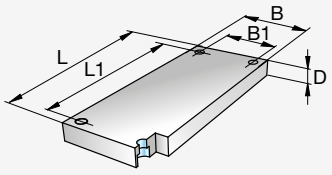
496 x 996-
Type-D-Mat.

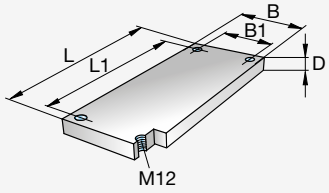
Type	B x L = 496 x 996	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 996	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 496 x 996	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■

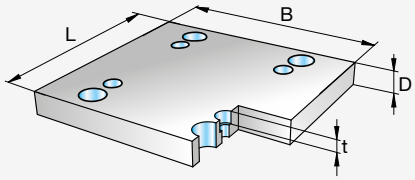


Type	B x L = 324 x 996 / B1 x L1 = 288 x 910	D	Mat. 1730	2085	2312
F7		36	■	■	■

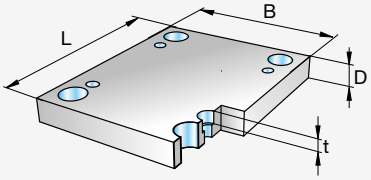
Type	B x L = 324 x 996 / B1 x L1 = 288 x 910	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

Formplatten 496 x 996 | Cavity plates 496 x 996

Type	B x L = 596 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

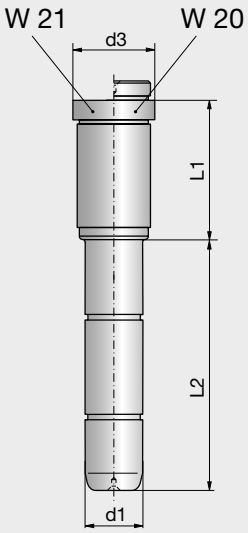
Type	B x L = 496 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	46	■	■	■

Plaques porte-empreinte 496 x 996

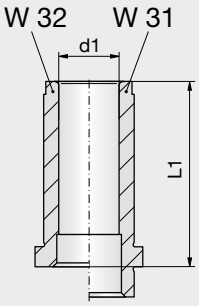
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

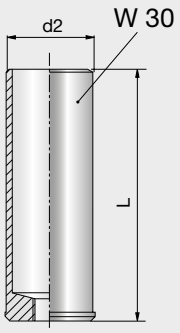
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42

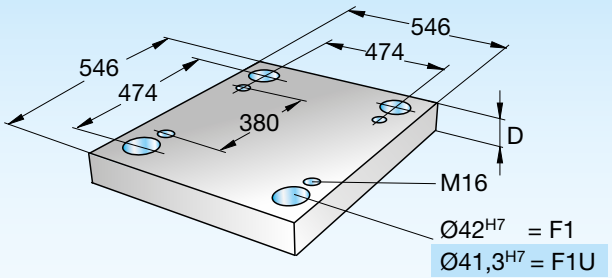


d1 = 40/42



d2 = 54

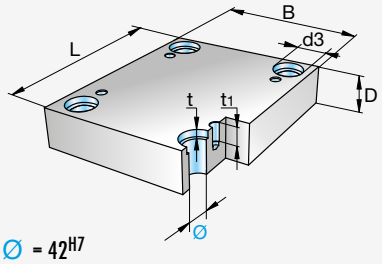
Formplatten 546 x 546 | Cavity plates 546 x 546 | Plaques porte-empreinte 546 x 546

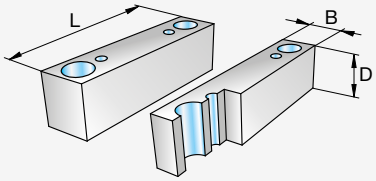


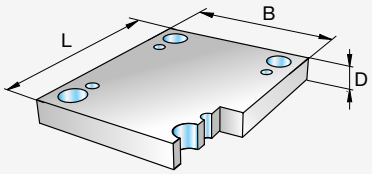
OXA

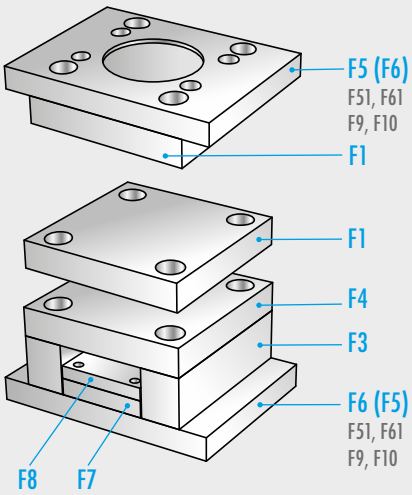
546 x 546

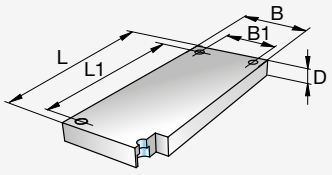
546 x 546
Type-D-Mat.

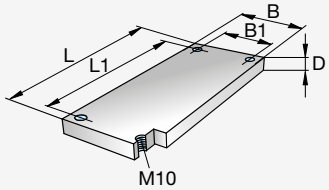
Type	B x L = 546 x 546	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 546	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 546 x 546	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

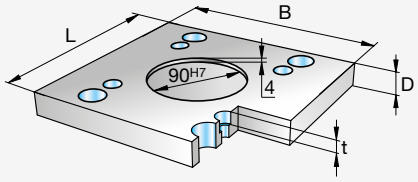
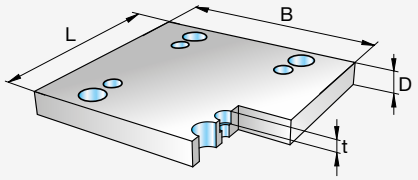


Type	B x L = 418 x 546 / B1 x L1 = 386 x 464	D	Mat. 1730	2085	2312
F7		36	■	■	■

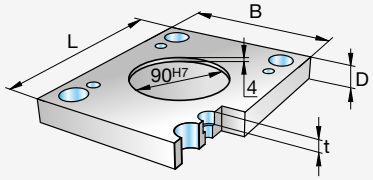
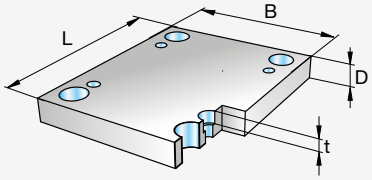
Type	B x L = 418 x 546 / B1 x L1 = 386 x 464	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 546 x 546 | Cavity plates 546 x 546 | Plaques porte-empreinte 546 x 546

Type	B x L = 646 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

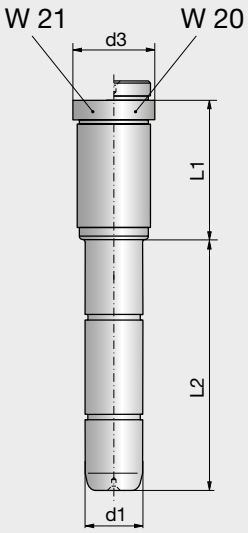
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 546 x 546	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

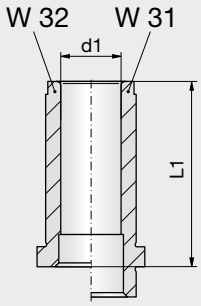
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

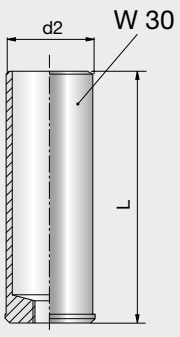
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



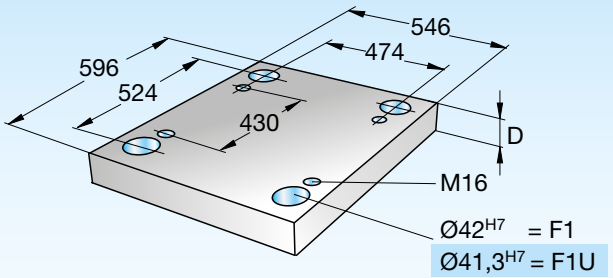
d1 = 30/32



d2 = 42

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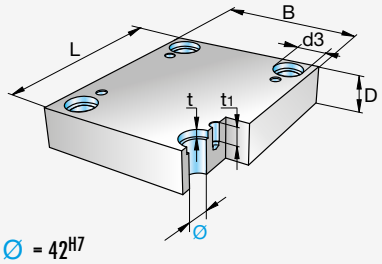
Formplatten 546 x 596 | Cavity plates 546 x 596 | Plaques porte-empreinte 546 x 596

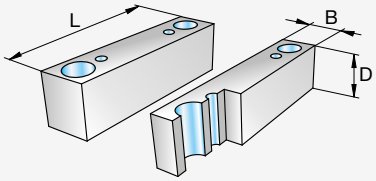


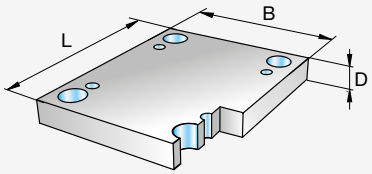
OXA

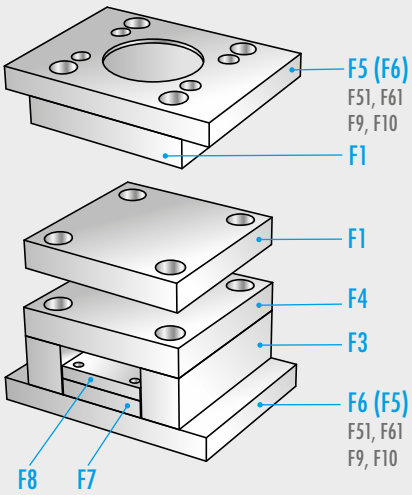
546 x 596

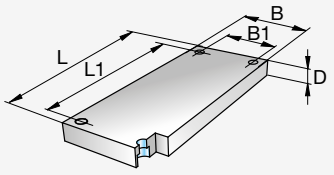
546 x 596
Type-D-Mat.

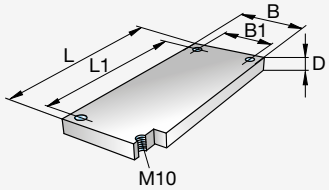
Type	B x L = 546 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 546 x 596	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

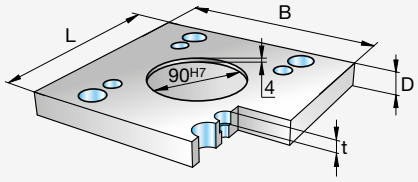
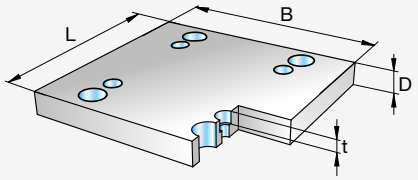


Type	B x L = 418 x 596 / B1 x L1 = 386 x 514	D	Mat. 1730	2085	2312
F7		36	■	■	■

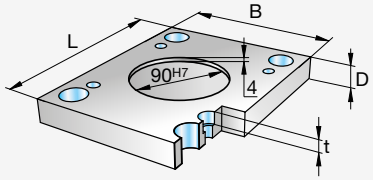
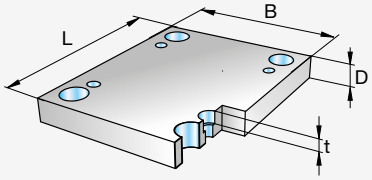
Type	B x L = 418 x 596 / B1 x L1 = 386 x 514	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 546 x 596 | Cavity plates 546 x 596 | Plaques porte-empreinte 546 x 596

Type	B x L = 646 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

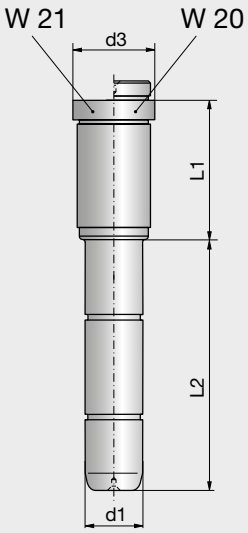
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 546 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

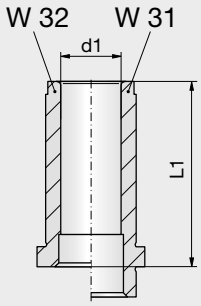
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

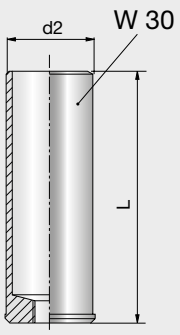
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32

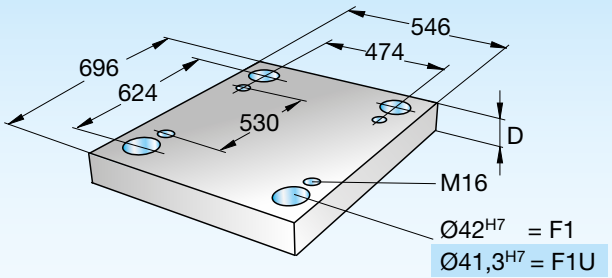


d1 = 30/32



d2 = 42

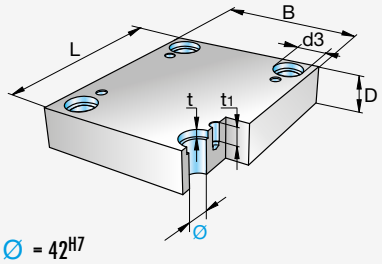
Formplatten 546 x 696 | Cavity plates 546 x 696 | Plaques porte-empreinte 546 x 696

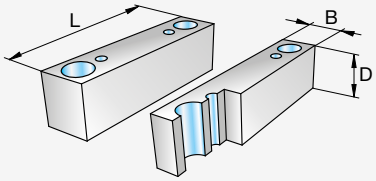


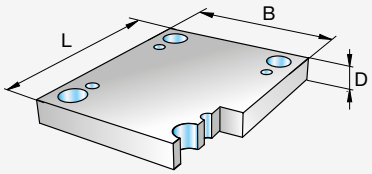
OXA

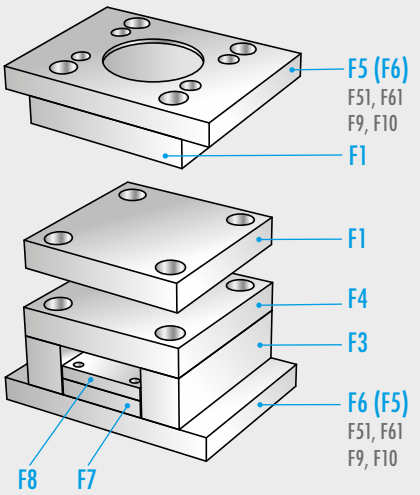
546 x 696

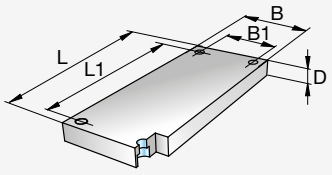
546 x 696
Type-D-Mat.

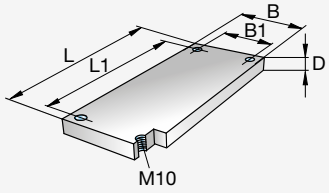
Type	B x L = 546 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■		
			26		86	■		■			■		
			26		96	■		■		■	■		
			26		116	■		■		■	■		
			26		136	■		■		■	■		
			26		156	■		■		■	■		

Type	B x L = 62 x 696	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 546 x 696	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

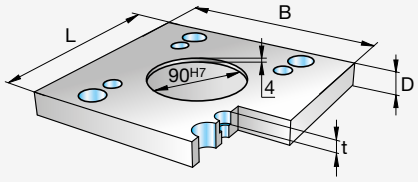
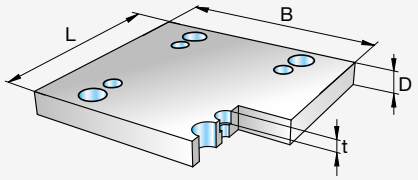


Type	B x L = 418 x 696 / B1 x L1 = 386 x 614	D	Mat. 1730	2085	2312
F7		36	■	■	■

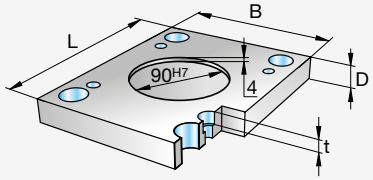
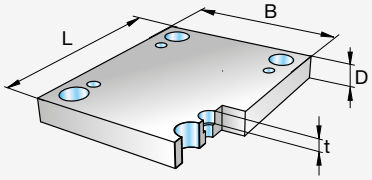
Type	B x L = 418 x 696 / B1 x L1 = 386 x 614	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

Formplatten 546 x 696 | Cavity plates 546 x 696 | Plaques porte-empreinte 546 x 696

Type	B x L = 646 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

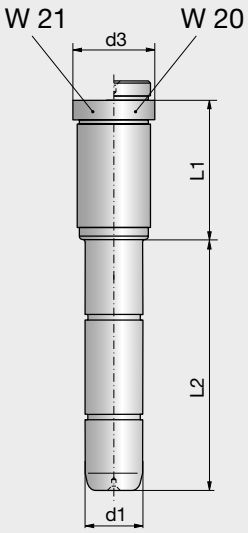
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 546 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

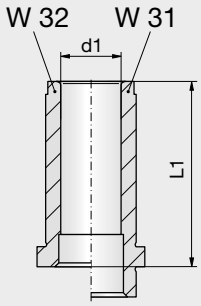
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

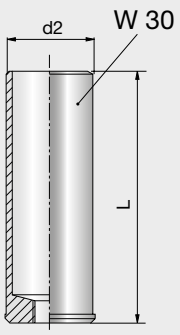
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



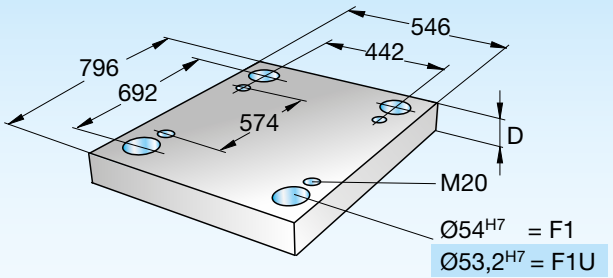
d1 = 30/32



d2 = 42

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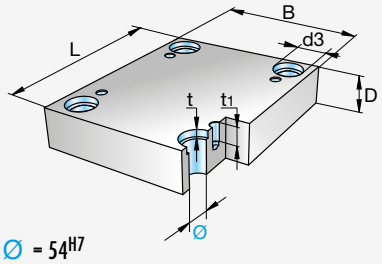
Formplatten 546 x 796 | Cavity plates 546 x 796 | Plaques porte-empreinte 546 x 796

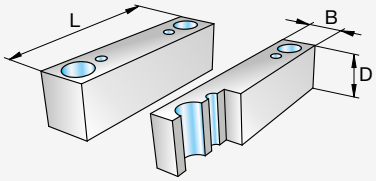


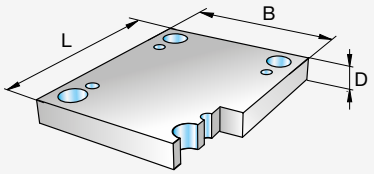
OXA

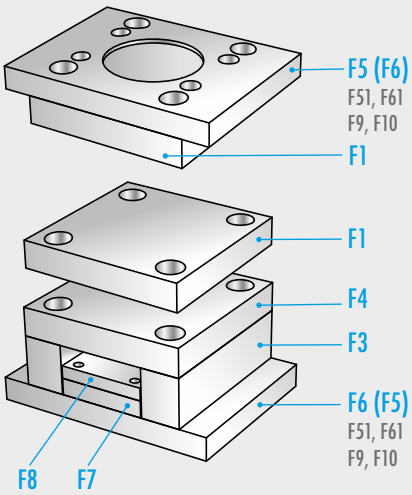
546 x 796

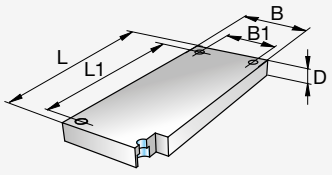
546 x 796-
Type-D-Mat.

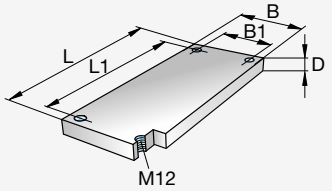
Type	B x L = 546 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 796	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 546 x 796	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



Type	B x L = 374 x 796 / B1 x L1 = 338 x 710	D	Mat. 1730	2085	2312
F7		36	■	■	■

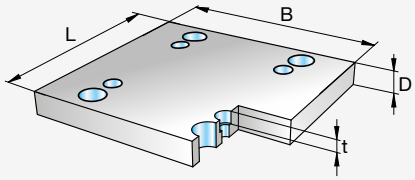
Type	B x L = 374 x 796 / B1 x L1 = 338 x 710	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

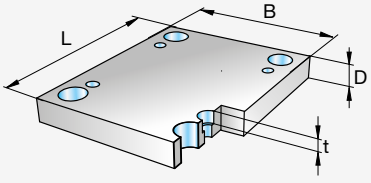
Formplatten 546 x 796

Cavity plates 546 x 796

Plaques porte-empreinte 546 x 796

Type	B x L = 646 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

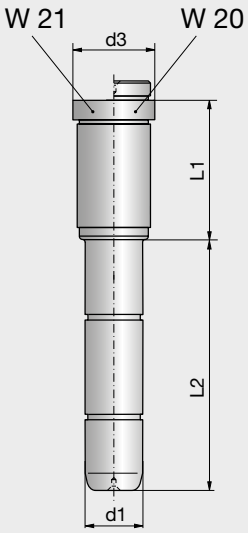
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 546 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

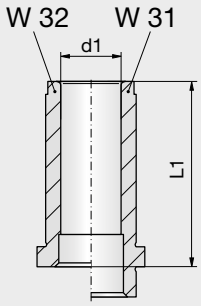
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

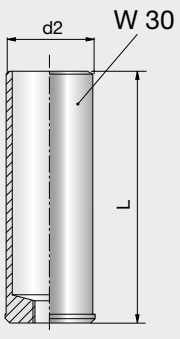
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42

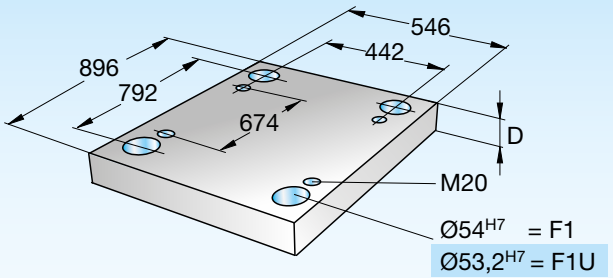


d1 = 40/42



d2 = 54

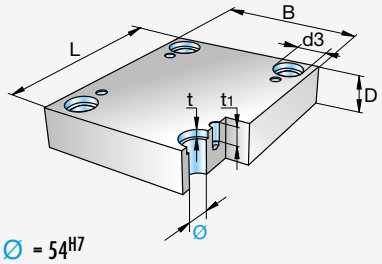
Formplatten 546 x 896 | Cavity plates 546 x 896 | Plaques porte-empreinte 546 x 896

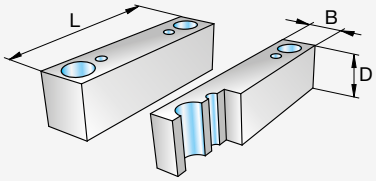


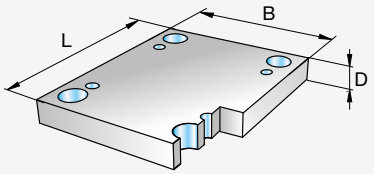
OXA

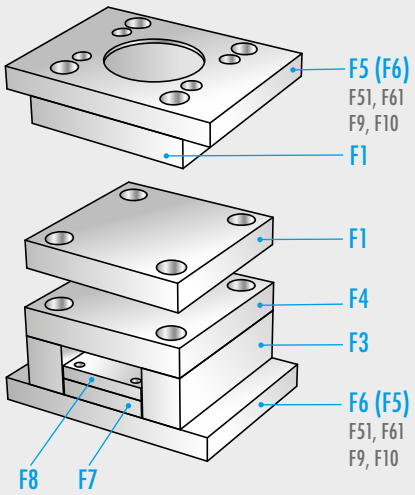
546 x 896

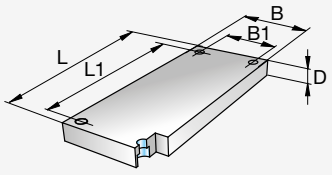
546 x 896-
Type-D-Mat.

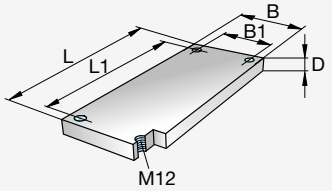
Type	B x L = 546 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 896	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

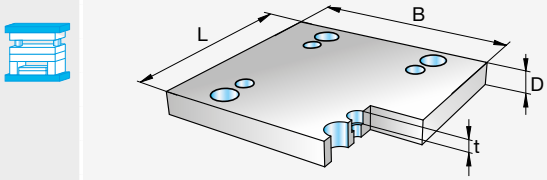
Type	B x L = 546 x 896	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



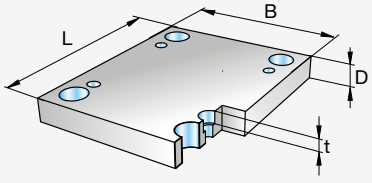
Type	B x L = 374 x 896 / B1 x L1 = 338 x 810	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 374 x 896 / B1 x L1 = 338 x 810	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 546 x 896 | Cavity plates 546 x 896

Type	B x L = 646 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

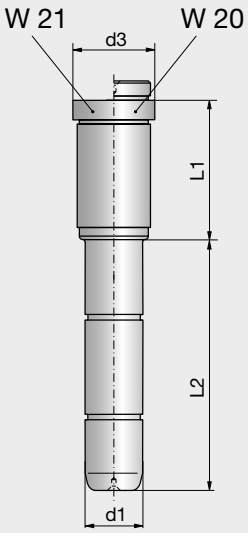
Type	B x L = 546 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 546 x 896

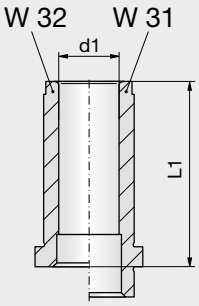
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

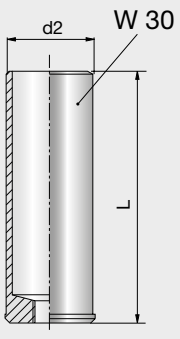
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



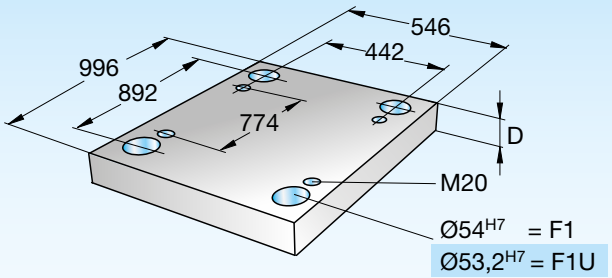
d1 = 40/42



d2 = 54

D 3001 09.2017

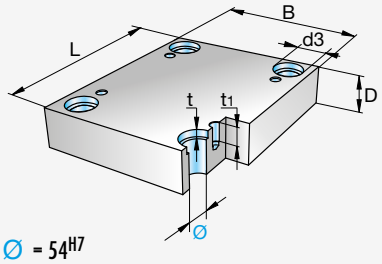
Formplatten 546 x 996 | Cavity plates 546 x 996 | Plaques porte-empreinte 546 x 996

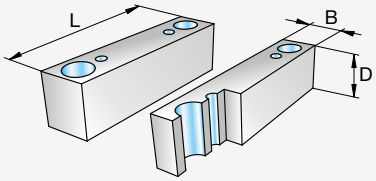


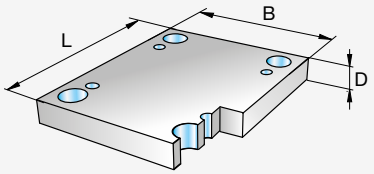
OXA

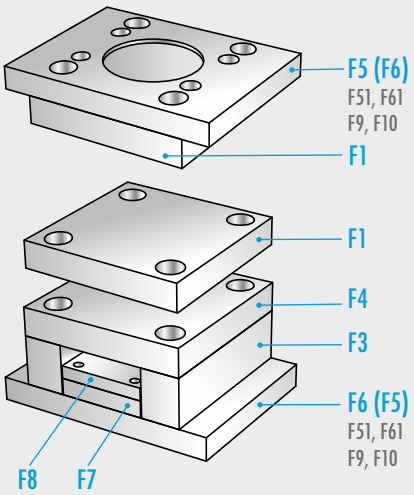
546 x 996

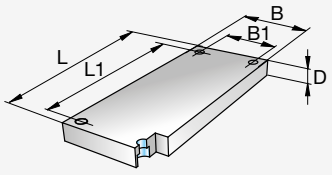
546 x 996-
Type-D-Mat.

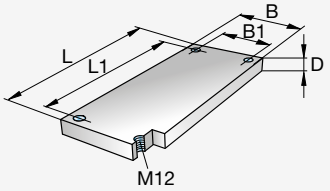
Type	B x L = 546 x 996	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 996	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

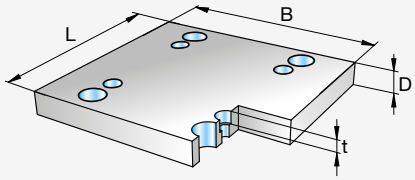
Type	B x L = 546 x 996	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



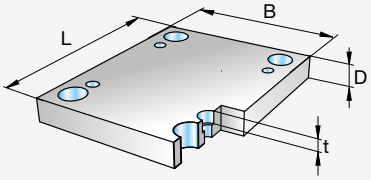
Type	B x L = 374 x 996 / B1 x L1 = 338 x 910	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 374 x 996 / B1 x L1 = 338 x 910	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 546 x 996 | Cavity plates 546 x 996

Type	B x L = 646 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

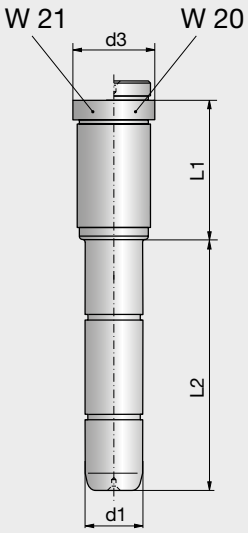
Type	B x L = 546 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 546 x 996

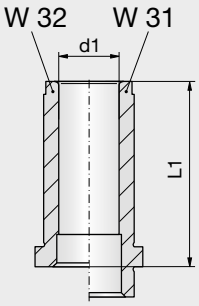
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

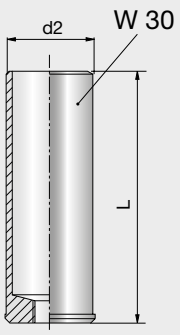
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42

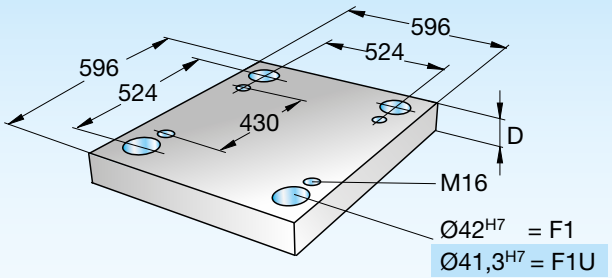


d1 = 40/42



d2 = 54

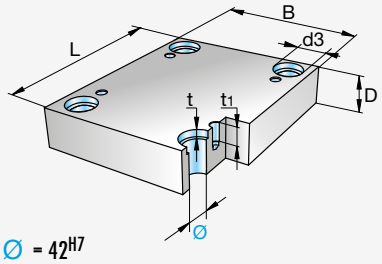
Formplatten 596 x 596 | Cavity plates 596 x 596 | Plaques porte-empreinte 596 x 596

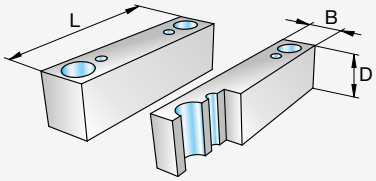


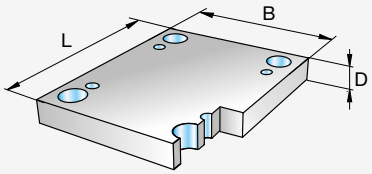
OXA

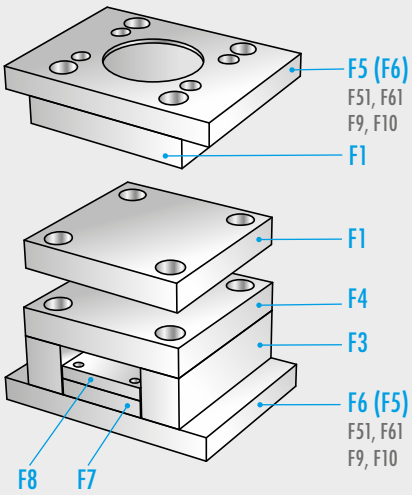
596 x 596

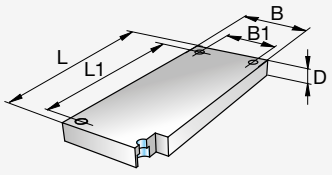
596 x 596
Type-D-Mat.

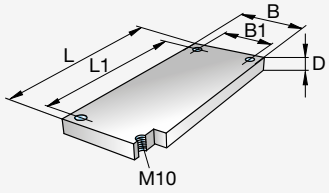
Type	B x L = 596 x 596	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 42H7 F1U Ø = 41,3H7	6,3	24,5	48	36	■		■			■		
			26		46	■		■		■	■		
			26		56	■		■		■	■		
			26		66	■		■			■		
			26		76	■		■		■	■	■	
			26		86	■		■			■		
			26		96	■		■		■	■	■	
			26		116	■		■		■	■	■	
			26		136	■		■		■	■	■	
			26		156	■		■		■	■	■	

Type	B x L = 62 x 596	D	Mat. 1730	2085	2312
F3		76	■	■	
		86	■	■	
		96	■	■	
		116	■	■	
		136	■	■	

Type	B x L = 596 x 596	D	Mat. 1730	2085	2312
F4		46	■	■	
		56	■	■	■

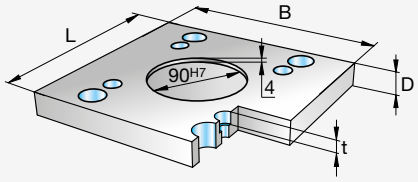
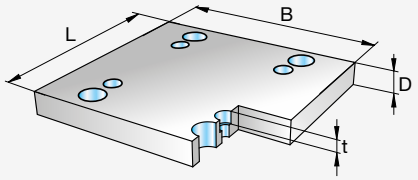


Type	B x L = 468 x 596 / B1 x L1 = 436 x 514	D	Mat. 1730	2085	2312
F7		36	■	■	■

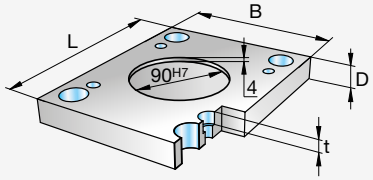
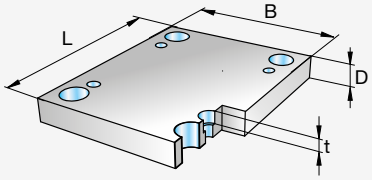
Type	B x L = 468 x 596 / B1 x L1 = 436 x 514	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

Formplatten 596 x 596 | Cavity plates 596 x 596 | Plaques porte-empreinte 596 x 596

Type	B x L = 696 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5		17,5	46	■	■	
			56	■	■	■
F6		17,5	46	■	■	
			56	■	■	■

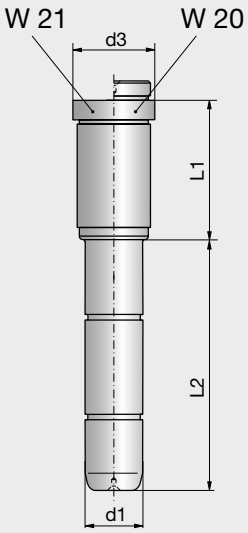
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 596	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9		17,5	36	■	■	
			46	■	■	■
F10		17,5	36	■	■	
			46	■	■	■

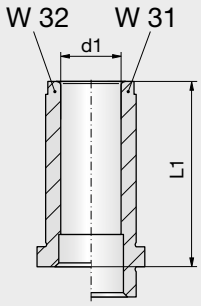
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

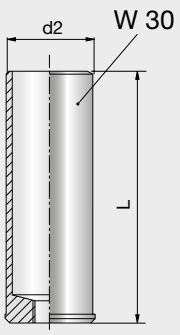
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 30/32



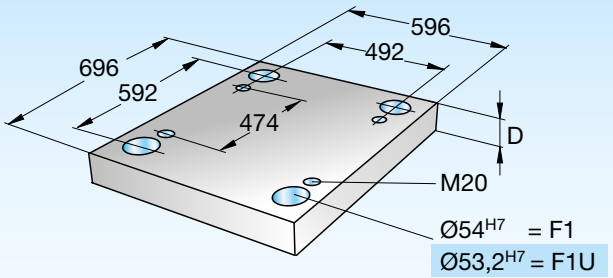
d1 = 30/32



d2 = 42

D 3001 09.2017

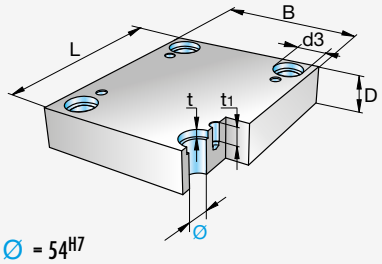
Formplatten 596 x 696 | Cavity plates 596 x 696 | Plaques porte-empreinte 596 x 696



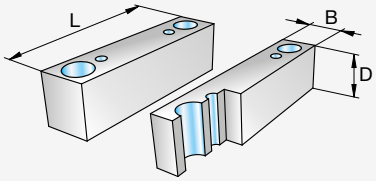
OXA

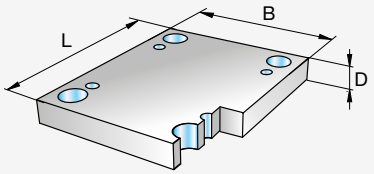
596 x 696

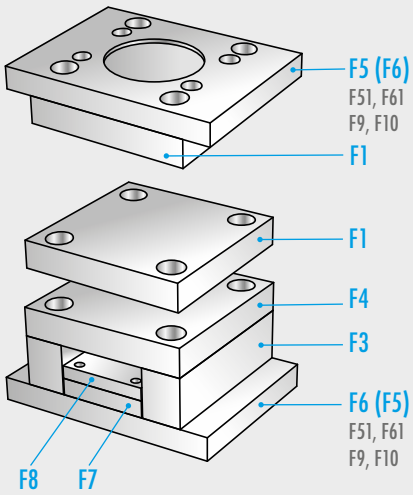
596 x 696
Type-D-Mat.

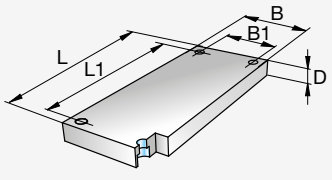
Type	B x L = 596 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

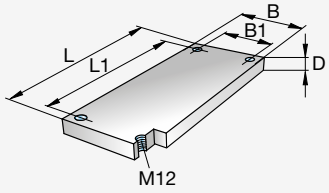
F1 Ø = 54H7
F1U Ø = 53,2H7

Type	B x L = 84 x 696	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

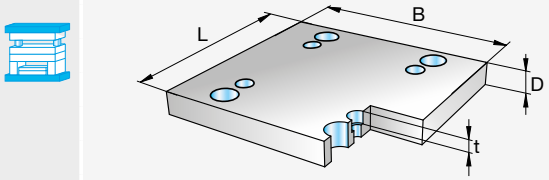
Type	B x L = 596 x 696	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



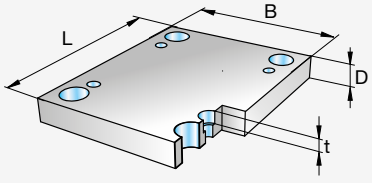
Type	B x L = 424 x 696 / B1 x L1 = 388 x 610	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 424 x 696 / B1 x L1 = 388 x 610	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 596 x 696 | Cavity plates 596 x 696

Type	B x L = 696 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

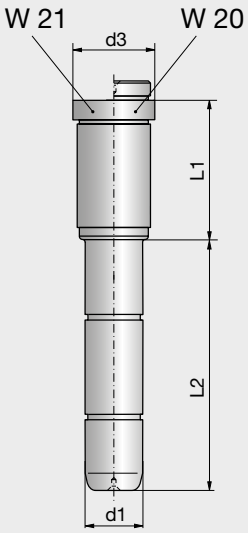
Type	B x L = 596 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 596 x 696

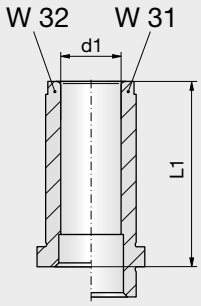
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

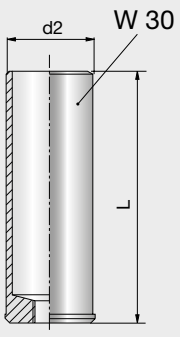
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



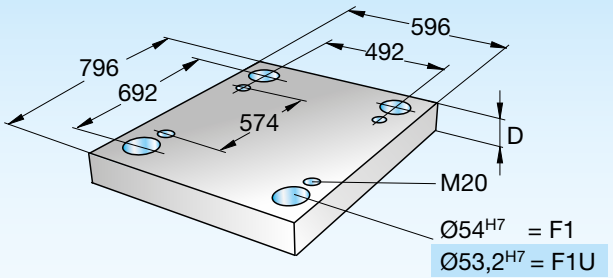
d1 = 40/42



d2 = 54

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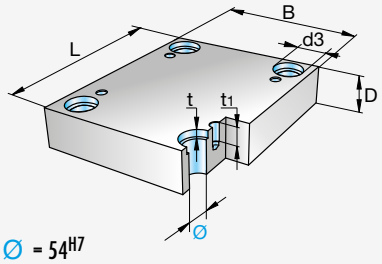
Formplatten 596 x 796 | Cavity plates 596 x 796 | Plaques porte-empreinte 596 x 796



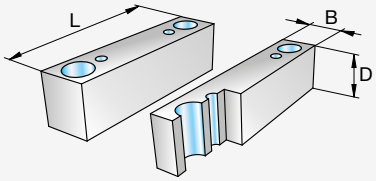
OXA

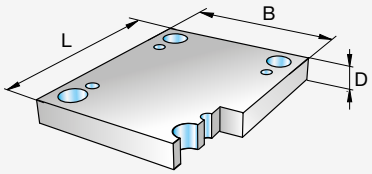
596 x 796

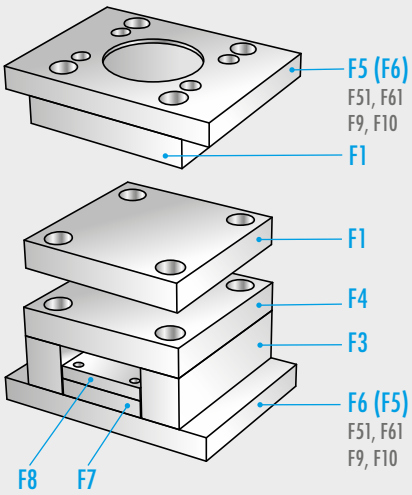
596 x 796
Type-D-Mat.

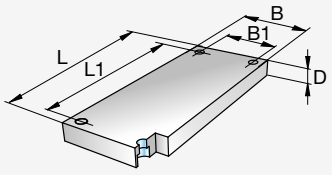
Type	B x L = 596 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

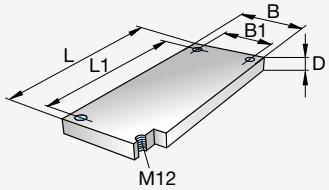
F1 Ø = 54H7
F1U Ø = 53,2H7

Type	B x L = 84 x 796	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 596 x 796	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



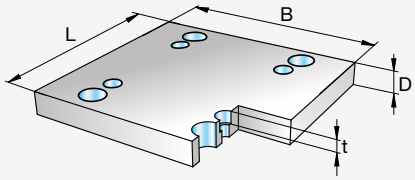
Type	B x L = 424 x 796 / B1 x L1 = 388 x 710	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 424 x 796 / B1 x L1 = 388 x 710	D	Mat. 1730	2085	2312
F8		27	■	■	

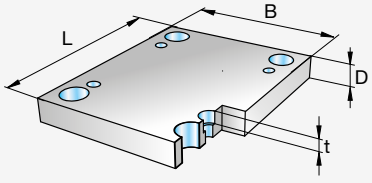
Formplatten 596 x 796

Cavity plates 596 x 796

Plaques porte-empreinte 596 x 796

Type	B x L = 696 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

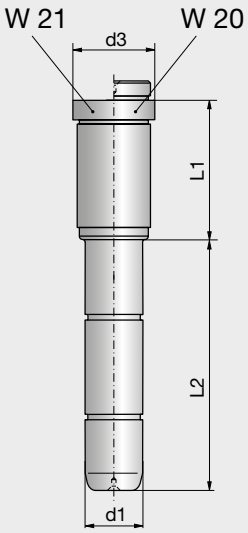
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

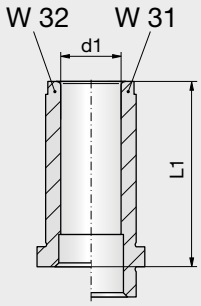
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

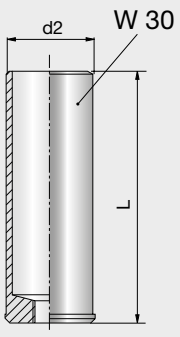
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



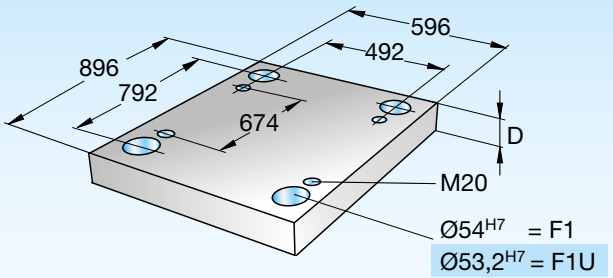
d1 = 40/42



d2 = 54

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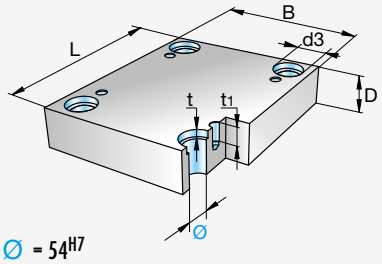
Formplatten 596 x 896 | Cavity plates 596 x 896 | Plaques porte-empreinte 596 x 896

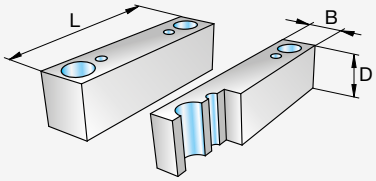


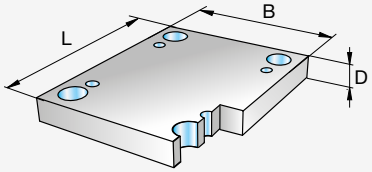
OXA

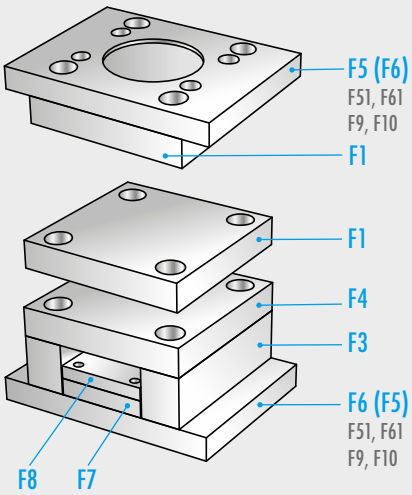
596 x 896

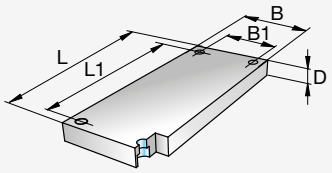
596 x 896
Type-D-Mat.

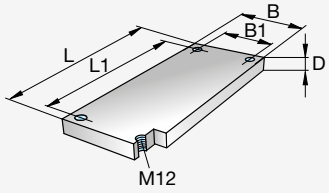
Type	B x L = 596 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 896	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

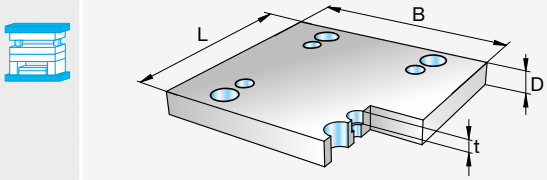
Type	B x L = 596 x 896	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



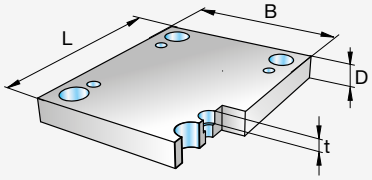
Type	B x L = 424 x 896 / B1 x L1 = 388 x 810	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 424 x 896 / B1 x L1 = 388 x 810	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 596 x 896 | Cavity plates 596 x 896

Type	B x L = 696 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

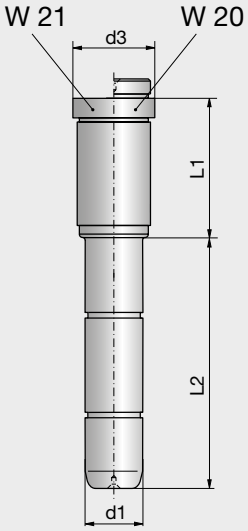
Type	B x L = 596 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 596 x 896

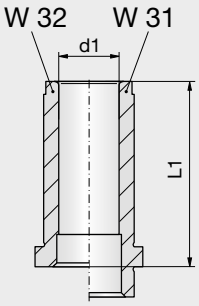
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

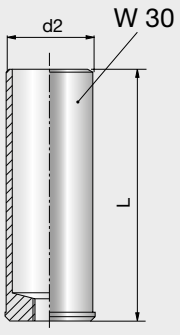
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



d1 = 40/42

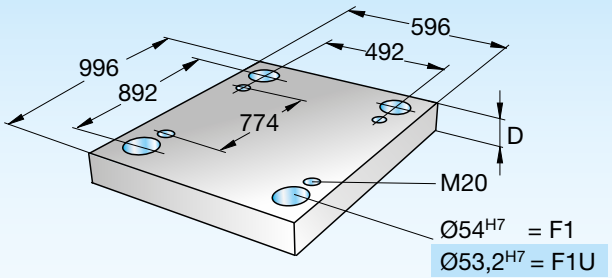


d2 = 54

2

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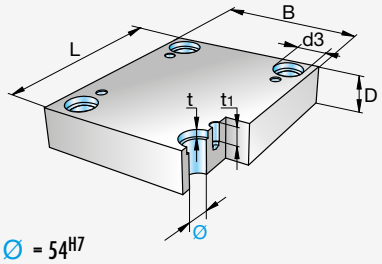
Formplatten 596 x 996 | Cavity plates 596 x 996 | Plaques porte-empreinte 596 x 996



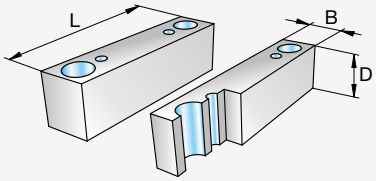
OXA

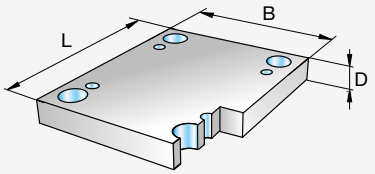
596 x 996

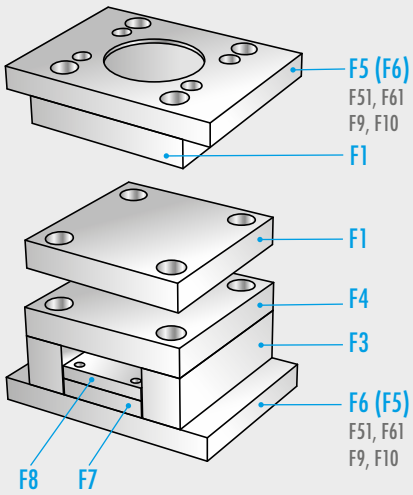
596 x 996
Type-D-Mat.

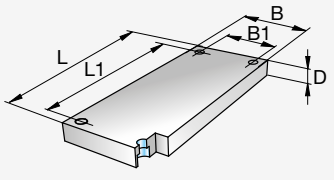
Type	B x L = 596 x 996	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

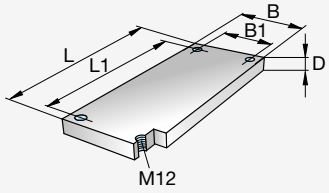
F1 Ø = 54H7
F1U Ø = 53,2H7

Type	B x L = 84 x 996	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 596 x 996	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



Type	B x L = 424 x 996 / B1 x L1 = 388 x 910	D	Mat. 1730	2085	2312
F7		36	■	■	■

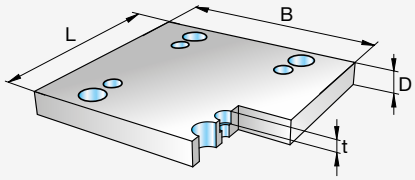
Type	B x L = 424 x 996 / B1 x L1 = 388 x 910	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

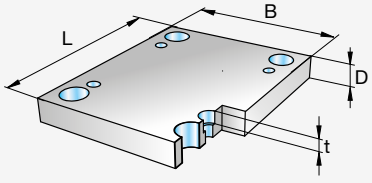
Formplatten 596 x 996

Cavity plates 596 x 996

Plaques porte-empreinte 596 x 996

Type	B x L = 696 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	56	■	■	■

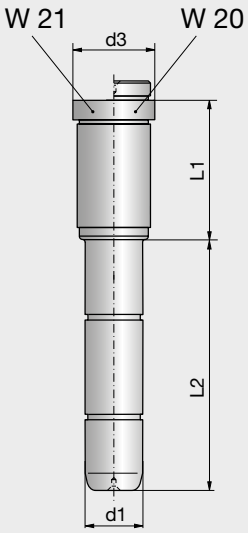
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 596 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

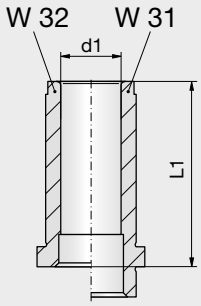
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

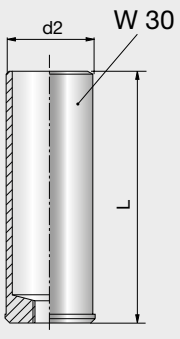
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



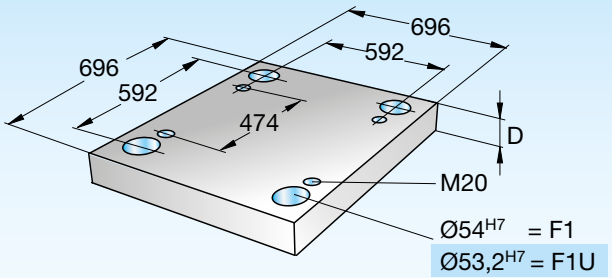
d1 = 40/42



d2 = 54

D 3001 09.2017

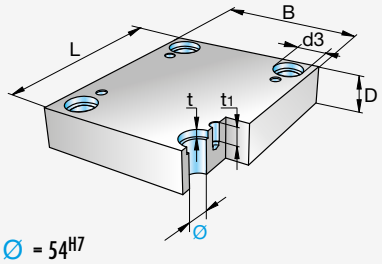
Formplatten 696 x 696 | Cavity plates 696 x 696 | Plaques porte-empreinte 696 x 696



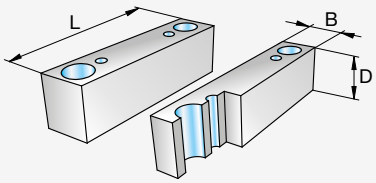
OXA

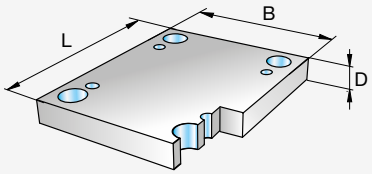
696 x 696

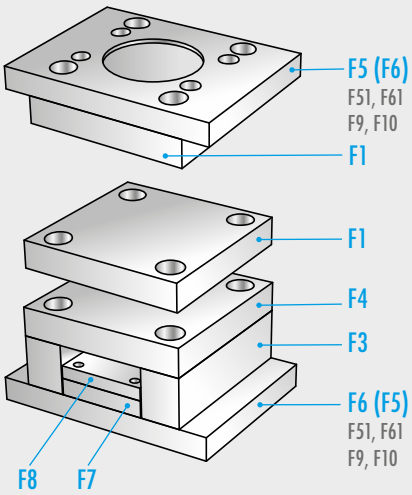
696 x 696
Type-D-Mat.

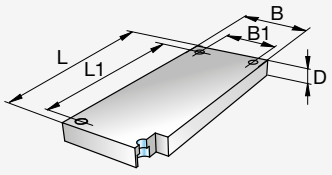
Type	B x L = 696 x 696	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

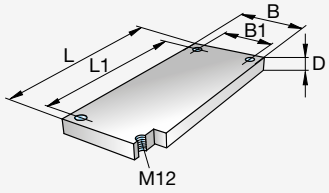
F1 Ø = 54H7
F1U Ø = 53,2H7

Type	B x L = 84 x 696	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 696 x 696	D	Mat. 1730	2085	2312
F4		56	■	■	
		76	■	■	■

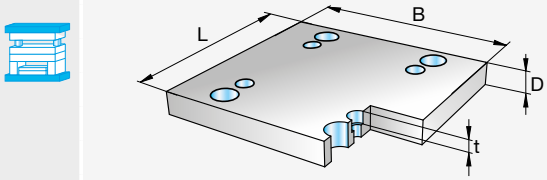


Type	B x L = 524 x 696 / B1 x L1 = 488 x 610	D	Mat. 1730	2085	2312
F7		36	■	■	■

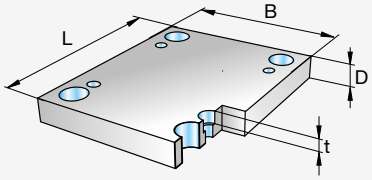
Type	B x L = 524 x 696 / B1 x L1 = 488 x 610	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

Formplatten 696 x 696 | Cavity plates 696 x 696

Type	B x L = 796 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

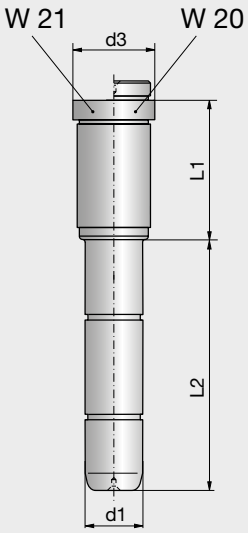
Type	B x L = 696 x 696	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 696 x 696

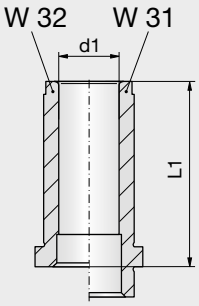
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

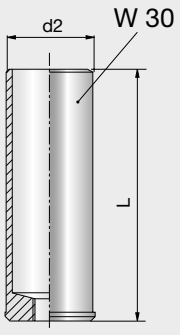
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



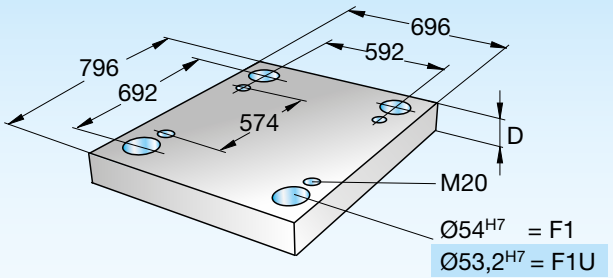
d1 = 40/42



d2 = 54

D 3001 09.2017

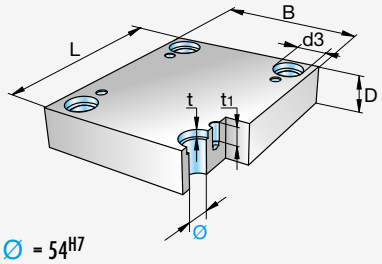
Formplatten 696 x 796 | Cavity plates 696 x 796 | Plaques porte-empreinte 696 x 796



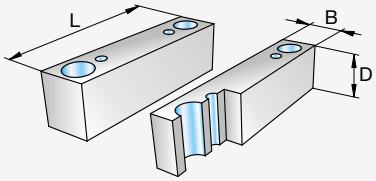
OXA

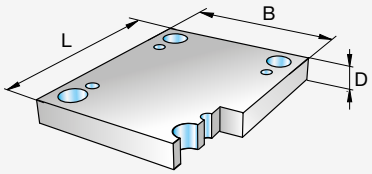
696 x 796

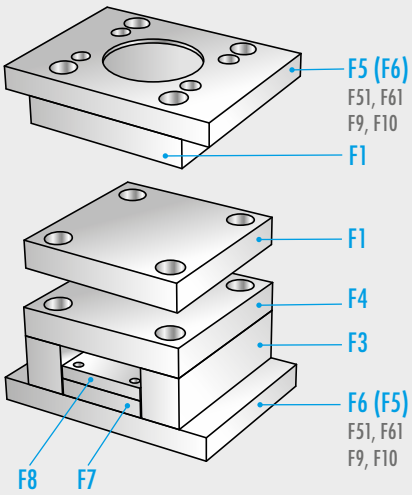
696 x 796
Type-D-Mat.

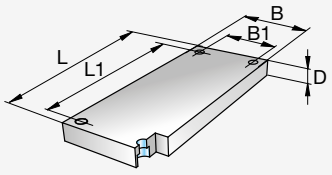
Type	B x L = 696 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U		10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

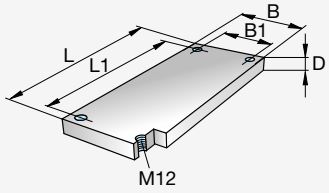
F1 Ø = 54H7
F1U Ø = 53,2H7

Type	B x L = 84 x 796	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 696 x 796	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■

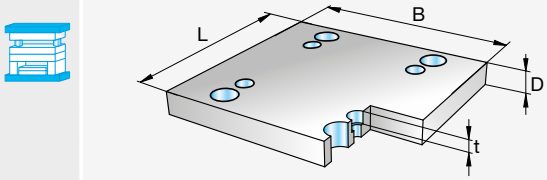


Type	B x L = 524 x 796 / B1 x L1 = 488 x 710	D	Mat. 1730	2085	2312
F7		36	■	■	■

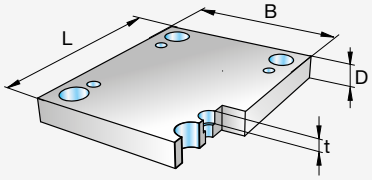
Type	B x L = 524 x 796 / B1 x L1 = 488 x 710	D	Mat. 1730	2085	2312
F8		27	■	■	

D 3001 09.2017

Formplatten 696 x 796 | Cavity plates 696 x 796

Type	B x L = 796 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

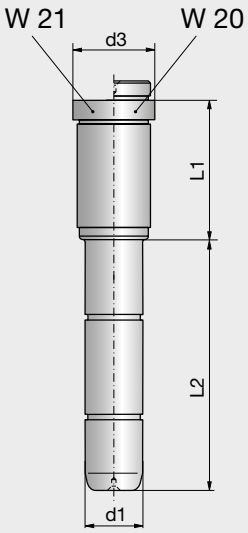
Type	B x L = 696 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 696 x 796

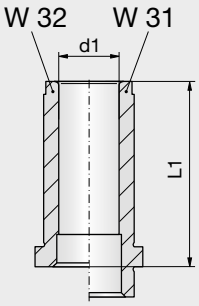
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

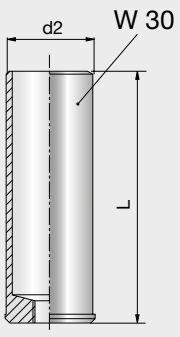
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



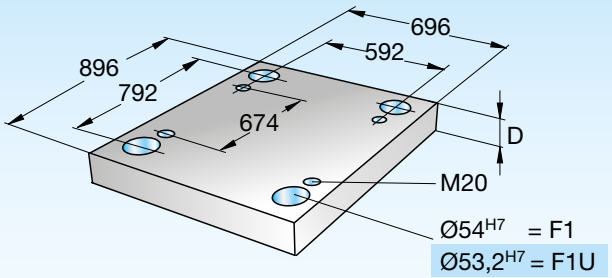
d1 = 40/42



d2 = 54

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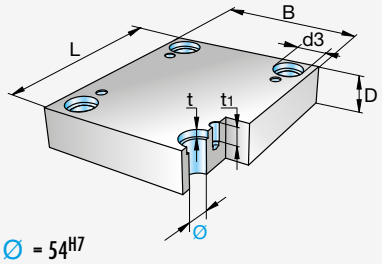
Formplatten 696 x 896 | Cavity plates 696 x 896 | Plaques porte-empreinte 696 x 896

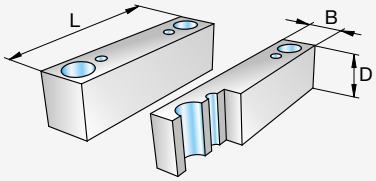


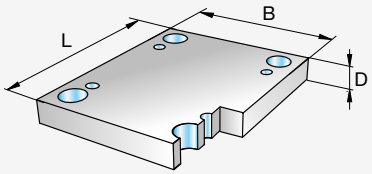
OXA

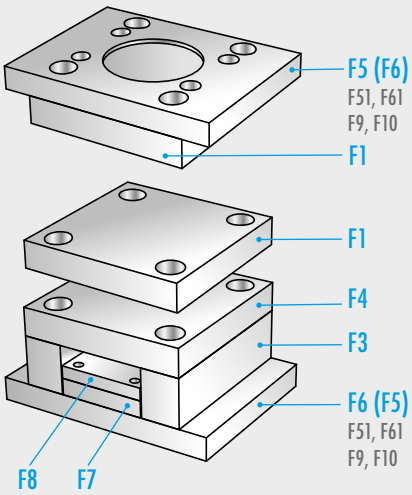
696 x 896

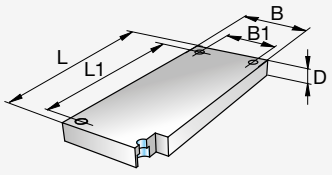
696 x 896
Type-D-Mat.

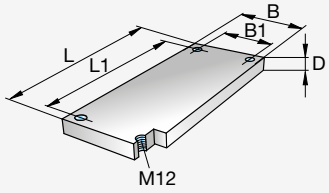
Type	B x L = 696 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 896	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

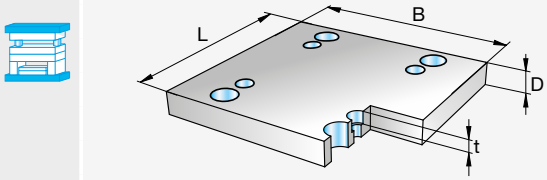
Type	B x L = 696 x 896	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



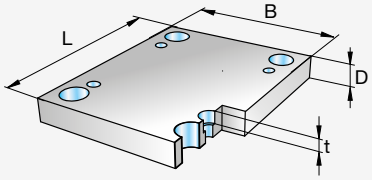
Type	B x L = 524 x 896 / B1 x L1 = 488 x 810	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 524 x 896 / B1 x L1 = 488 x 810	D	Mat. 1730	2085	2312
F8		27	■	■	

Formplatten 696 x 896 | Cavity plates 696 x 896

Type	B x L = 796 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

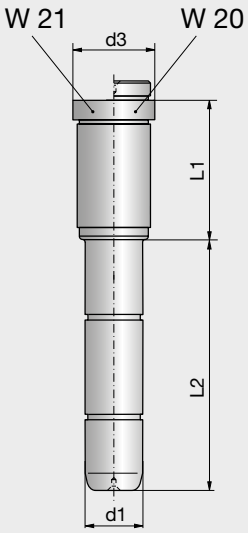
Type	B x L = 696 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 696 x 896

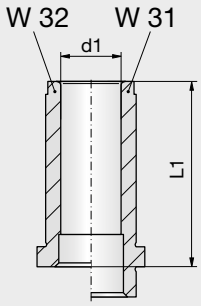
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

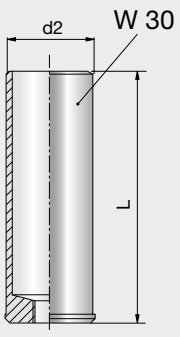
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



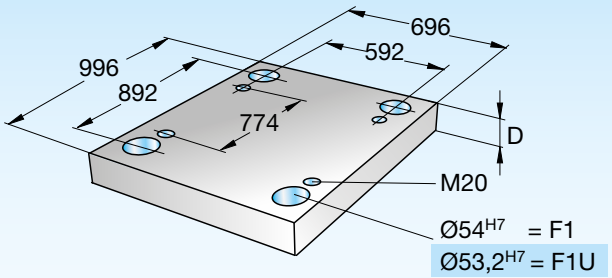
d1 = 40/42



d2 = 54

D 3001 09.2017

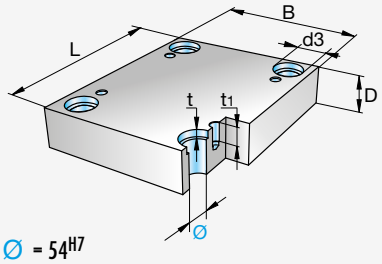
Formplatten 696 x 996 | Cavity plates 696 x 996 | Plaques porte-empreinte 696 x 996

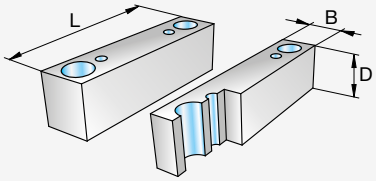


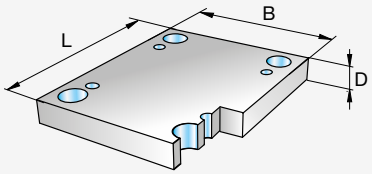
OXA

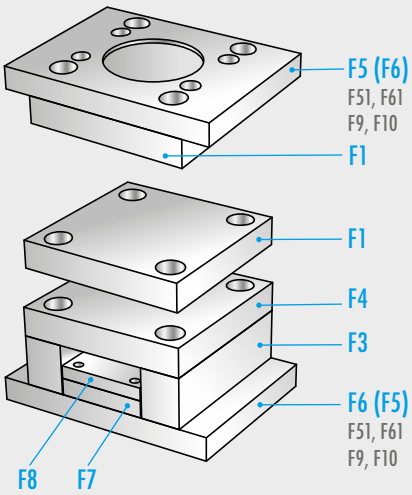
696 x 996

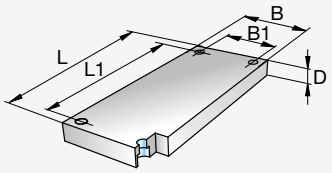
696 x 996
Type-D-Mat.

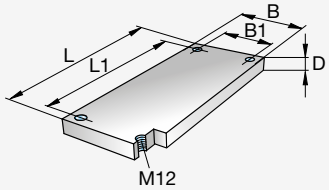
Type	B x L = 696 x 996	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 996	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 696 x 996	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



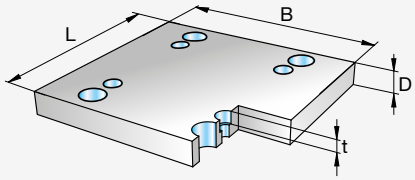
Type	B x L = 524 x 996 / B1 x L1 = 488 x 910	D	Mat. 1730	2085	2312
F7		36	■	■	■

Type	B x L = 524 x 996 / B1 x L1 = 488 x 910	D	Mat. 1730	2085	2312
F8		27	■	■	

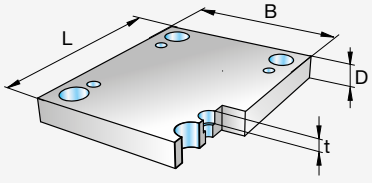
Formplatten 696 x 996

Cavity plates 696 x 996

Plaques porte-empreinte 696 x 996

Type	B x L = 796 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

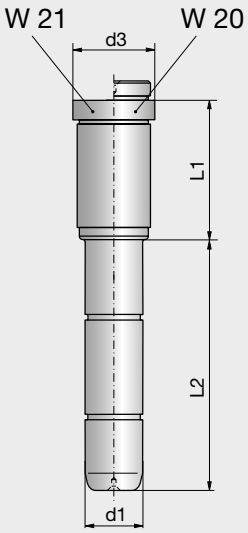
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 696 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

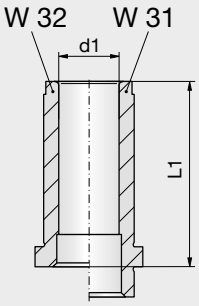
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

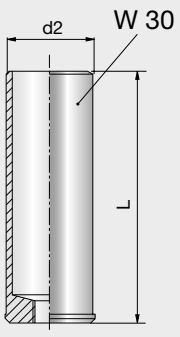
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



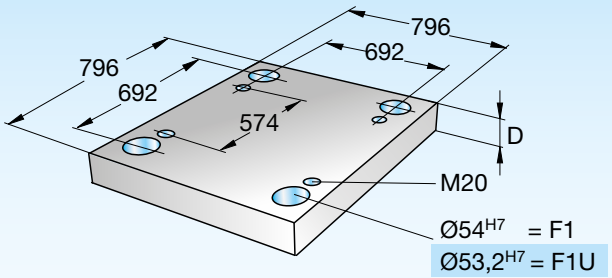
d1 = 40/42



d2 = 54

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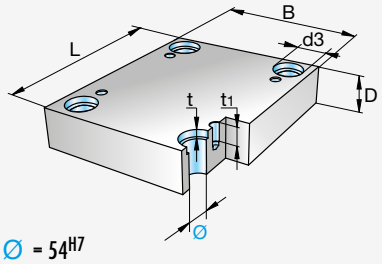
Formplatten 796 x 796 | Cavity plates 796 x 796 | Plaques porte-empreinte 796 x 796

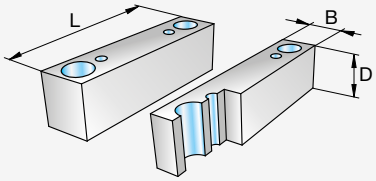


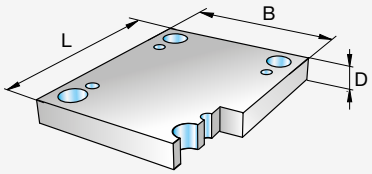
OXA

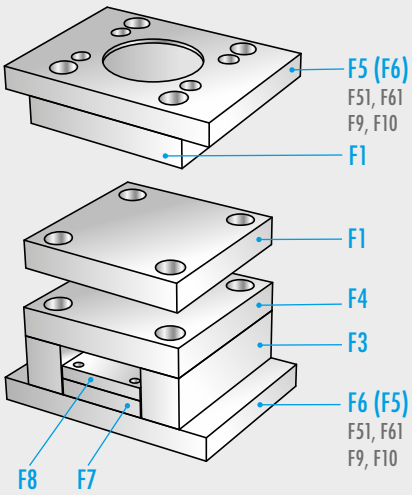
796 x 796

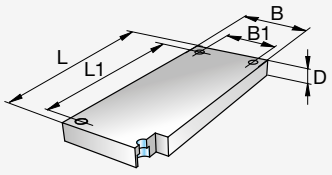
796 x 796
Type-D-Mat.

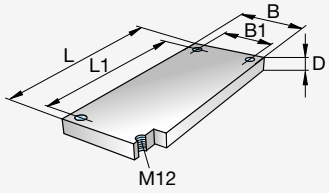
Type	B x L = 796 x 796	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 796	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 796 x 796	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



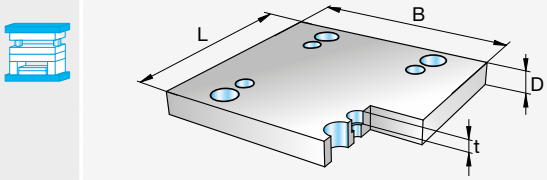
Type	B x L = 624 x 796 / B1 x L1 = 588 x 710	D	Mat. 1730	2085	2312
F7		46	■	■	■

Type	B x L = 624 x 796 / B1 x L1 = 588 x 710	D	Mat. 1730	2085	2312
F8		27	■	■	

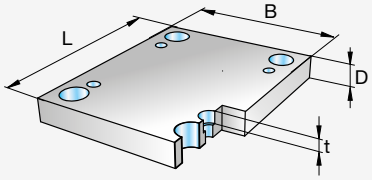
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Formplatten 796 x 796 | Cavity plates 796 x 796

Type	B x L = 896 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

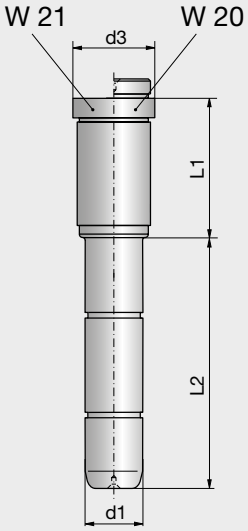
Type	B x L = 796 x 796	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 796 x 796

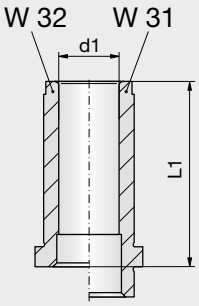
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

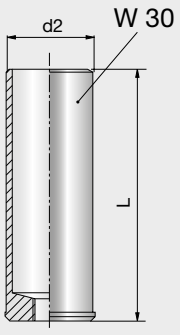
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



d1 = 40/42

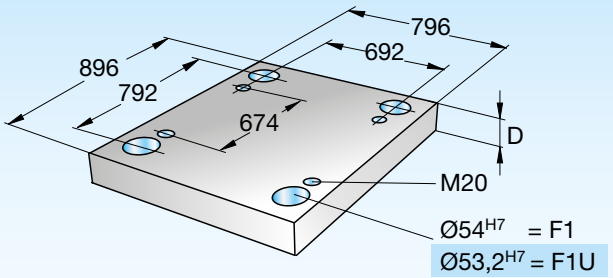


d2 = 54

2

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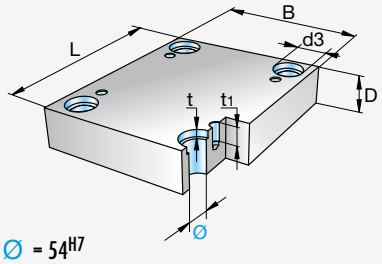
Formplatten 796 x 896 | Cavity plates 796 x 896 | Plaques porte-empreinte 796 x 896

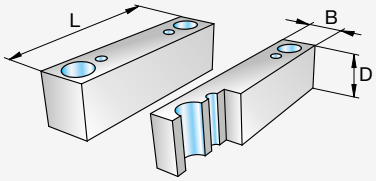


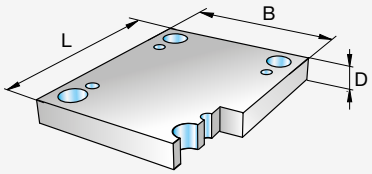
OXA

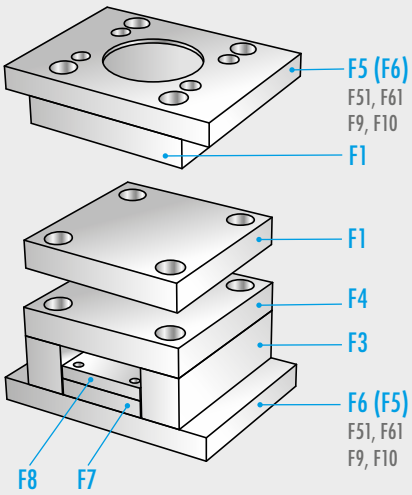
796 x 896

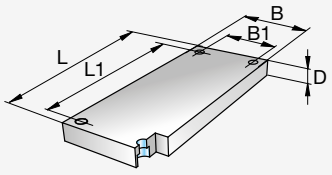
796 x 896
Type-D-Mat.

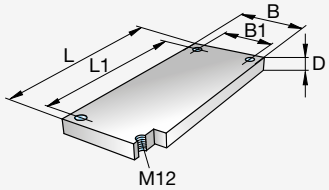
Type	B x L = 796 x 896	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 896	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 796 x 896	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■

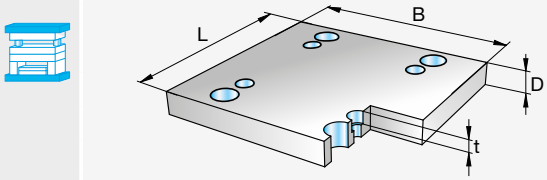


Type	B x L = 624 x 896 / B1 x L1 = 588 x 810	D	Mat. 1730	2085	2312
F7		46	■	■	■

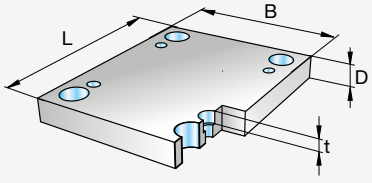
Type	B x L = 624 x 896 / B1 x L1 = 588 x 810	D	Mat. 1730	2085	2312
F8		27	■	■	

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Formplatten 796 x 896 | Cavity plates 796 x 896

Type	B x L = 896 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

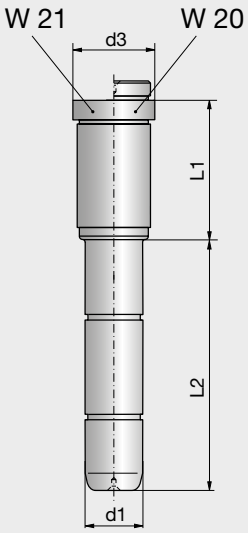
Type	B x L = 796 x 896	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

Plaques porte-empreinte 796 x 896

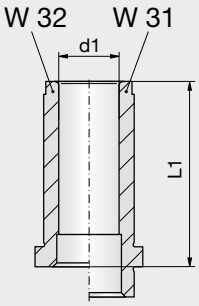
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

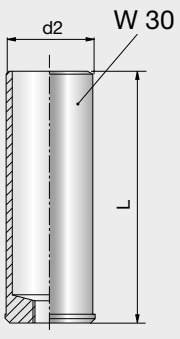
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



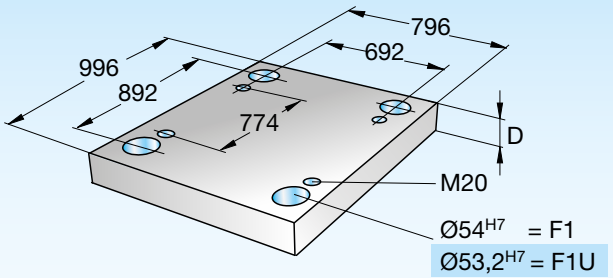
d1 = 40/42



d2 = 54

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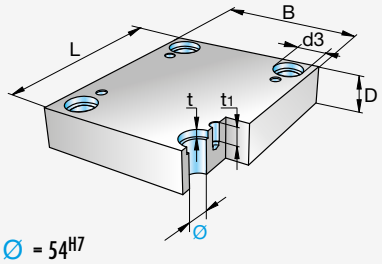
Formplatten 796 x 996 | Cavity plates 796 x 996 | Plaques porte-empreinte 796 x 996

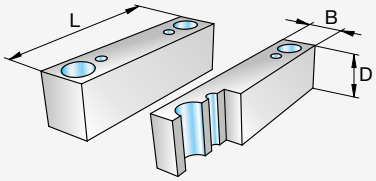


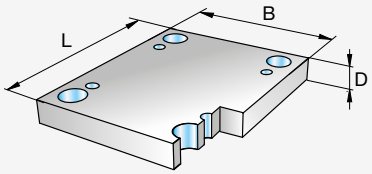
OXA

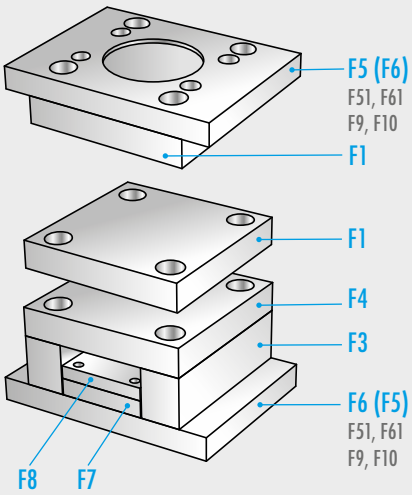
796 x 996

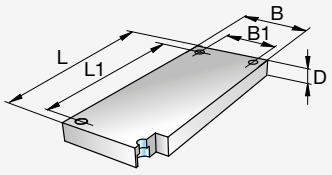
796 x 996
Type-D-Mat.

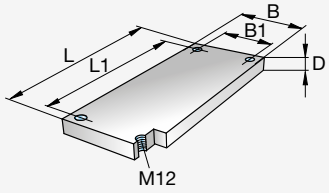
Type	B x L = 796 x 996	t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = 54H7 F1U Ø = 53,2H7	10,3	32	61	56	■		■		■	■		
			32		76	■		■		■	■		
			32		96	■		■		■	■		
			32		116	■		■		■	■		
			32		136	■		■		■	■		
			32		156	■		■		■	■		
			32		196	■		■		■	■		

Type	B x L = 84 x 996	D	Mat. 1730	2085	2312
F3		96	■	■	
		116	■	■	
		136	■	■	
		156	■	■	

Type	B x L = 796 x 996	D	Mat. 1730	2085	2312
F4		56	■	■	■
		76	■	■	■



Type	B x L = 624 x 996 / B1 x L1 = 588 x 910	D	Mat. 1730	2085	2312
F7		46	■	■	■

Type	B x L = 624 x 996 / B1 x L1 = 588 x 910	D	Mat. 1730	2085	2312
F8		27	■	■	

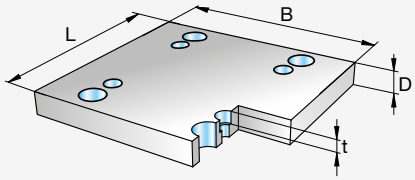
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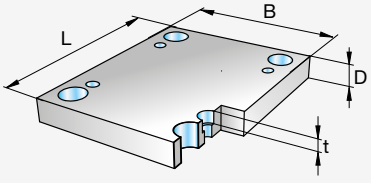
Formplatten 796 x 996

Cavity plates 796 x 996

Plaques porte-empreinte 796 x 996

Type	B x L = 896 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F6		22	76	■	■	■

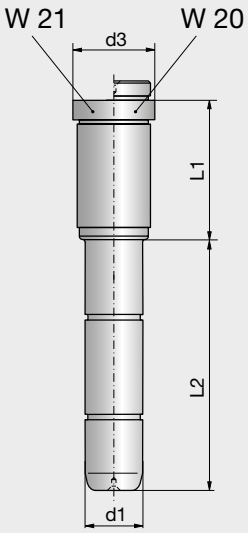
Type		t	D	Mat. 1730	Mat. 2085	Mat. 2312

Type	B x L = 796 x 996	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F10		22	56	■	■	■

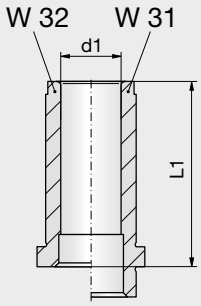
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

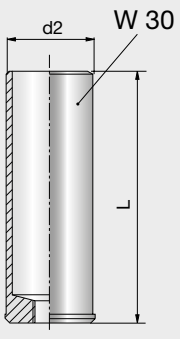
Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1



d1 = 40/42



d1 = 40/42

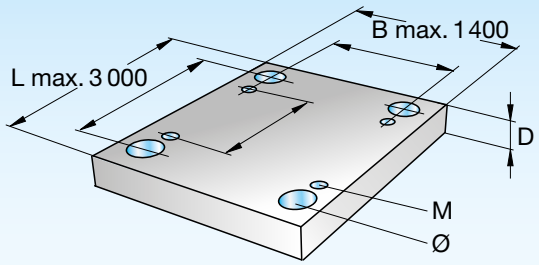


d2 = 54

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Formplatten B x L | Cavity plates B x L | Plaques porte-empreinte B x L

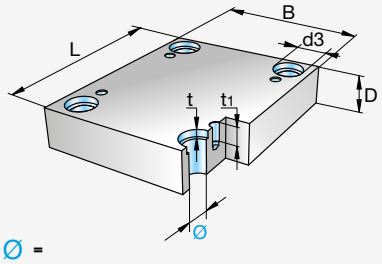
2



OXA

B x L

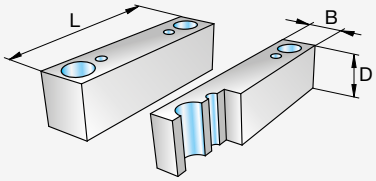
B x L
Type-D-Mat.

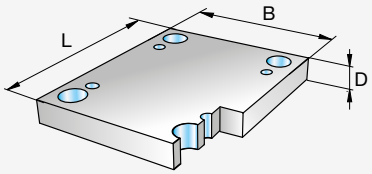
Type	B x L		t	t1	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
F1 F1U	 F1 Ø = F1U Ø =													

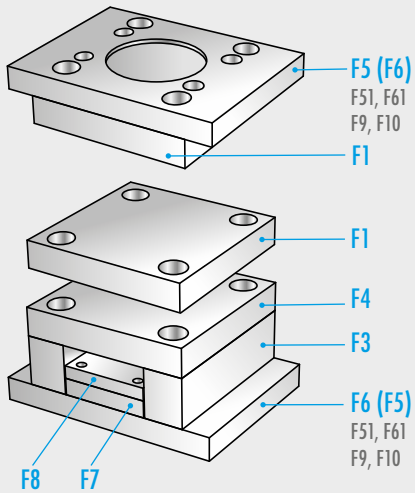
Wir liefern auf Wunsch bis Formplattengrößen maximal 3 000 x 1 400 mm, Gewicht maximal 3 000 kg

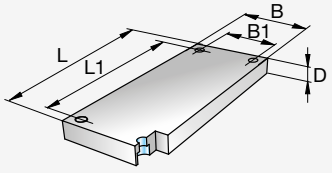
If desired we deliver up to cavity plate dimensions maximal 3 000 x 1 400 mm, weight maximal 3 000 kg

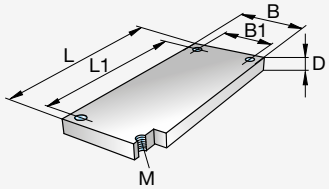
Sur demande nous livrons jusqu'une dimension de plaque porte-empreinte maximale 3 000 x 1 400 mm, poids maximal 3 000 kg

Type	B x L		D	Mat. 1730	2085	2312
F3						

Type	B x L		D	Mat. 1730	2085	2312
F4						



Type	B x L / B1 x L1		D	Mat. 1730	2085	2312
F7						

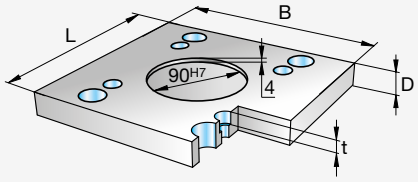
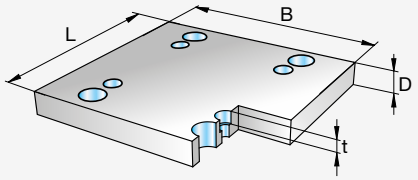
Type	B x L / B1 x L1		D	Mat. 1730	2085	2312
F8						

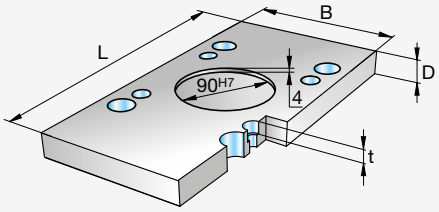
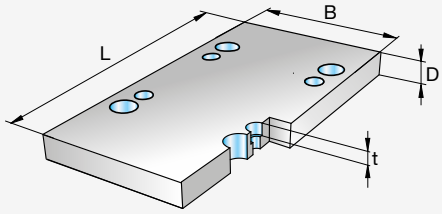
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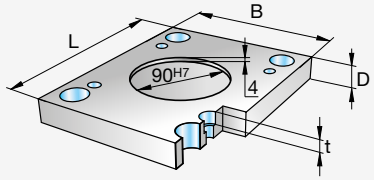
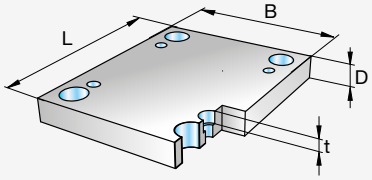
Formplatten B x L

Cavity plates B x L

Plaques porte-empreinte B x L

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F5						
F6						

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F51						
F61						

Type	B x L	t	D	Mat. 1730	Mat. 2085	Mat. 2312
F9						
F10						

Zubehör bitte abstimmen:
Fehlende Durchmesser und Längen auf Anfrage.

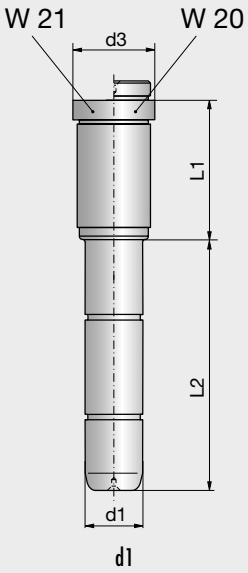
Please coordinate accessories:
Missing diameters and lengths on request.

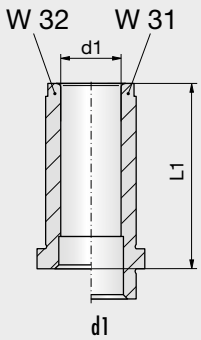
Veuillez accorder les accessoires:
Diamètres et longueurs manquants sur demande.

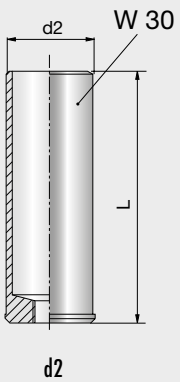
Zubehör für OXA-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for OXA cavity plates
see book 2 / chapter 1

Accessories pour plaques
porte-empreinte de OXA
voir livre 2 / chapitre 1







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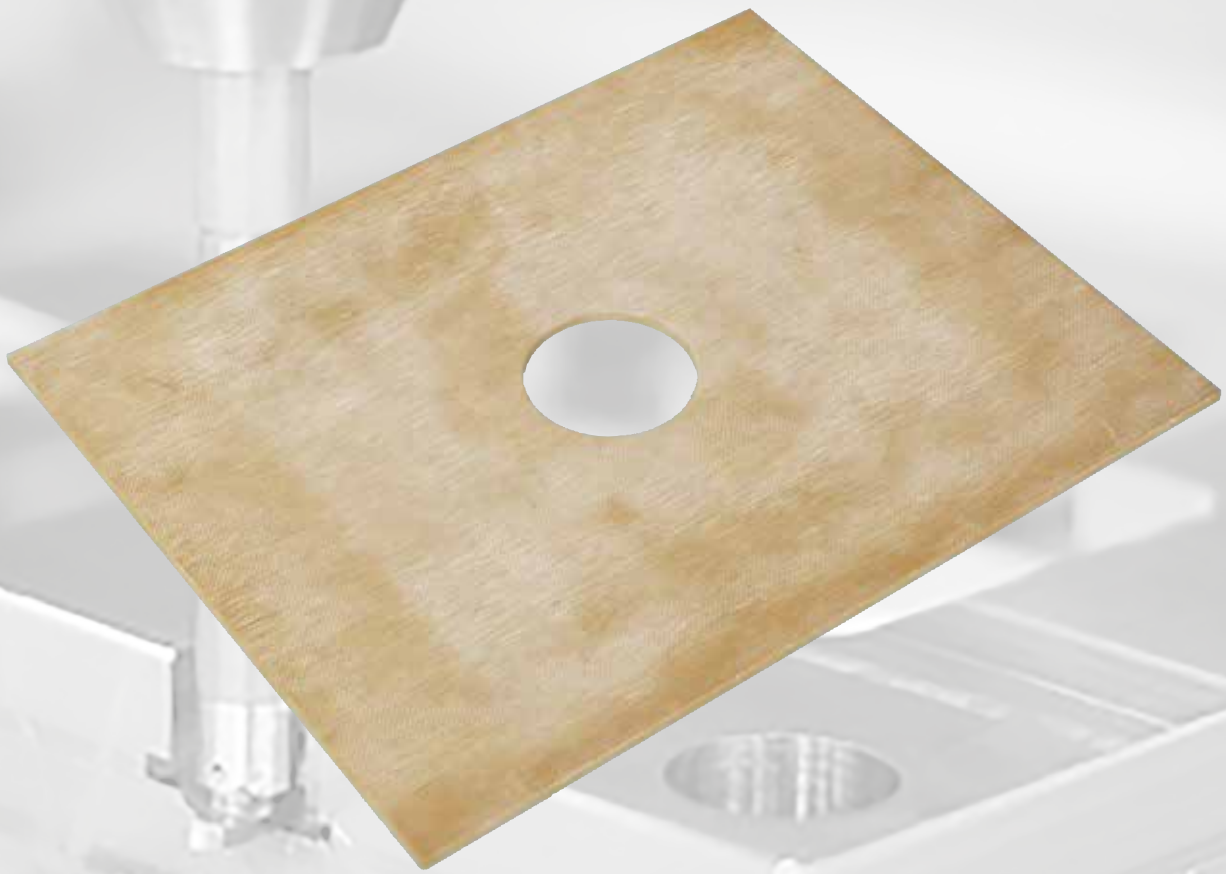
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WÄRMEISOLIERPLATTEN

THERMAL INSULATING PLATES

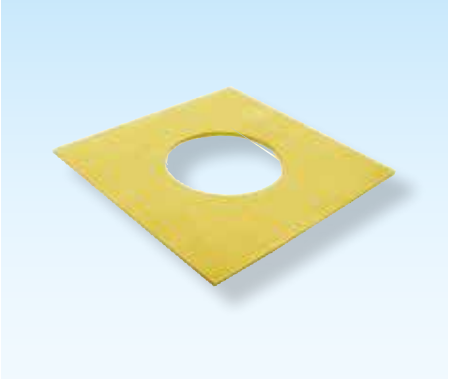
PLAQUES ISOLANTE



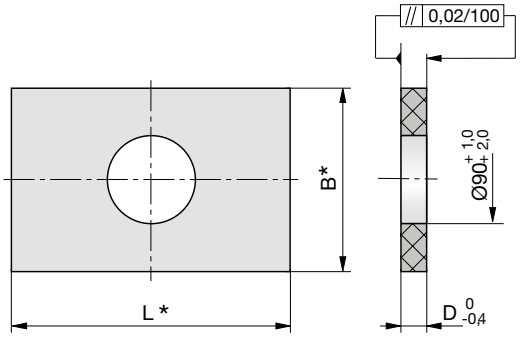
STRACK®

NORMALIEN

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* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



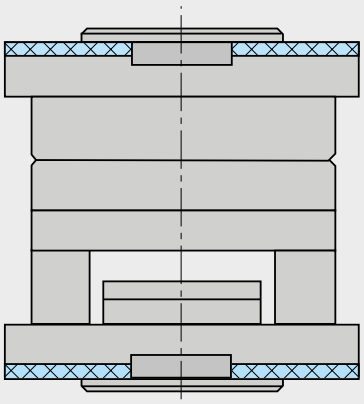
Z 7921- ~330 N/mm²

Z 7921-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

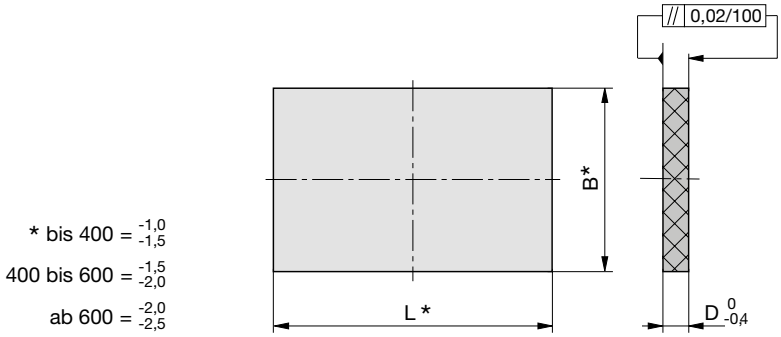


B	L	D
156	125	6
	130	
	156	
	196	
	208	
	246	
	296	
196	196	6
	208	
	246	
	296	
	346	
	396	
246	208	6
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
	796	
646	696	8
	796	
	896	
	996	
696	696	8
	796	
	896	
	996	
796	796	8
	896	
	996	
896	896	8
	996	

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* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

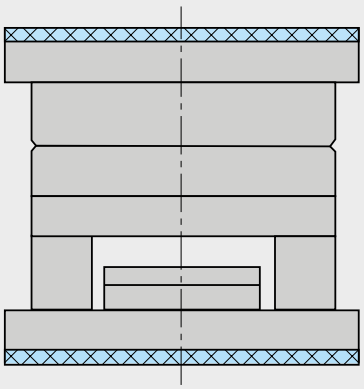
Z 7922- ~330 N/mm²

Z 7922-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

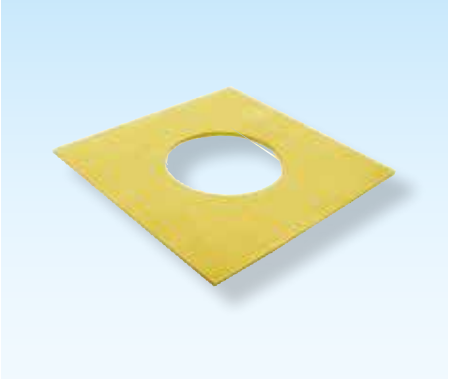


B	L	D
156	125	6
	130	
	156	
	196	
	208	
	246	
	296	
196	196	6
	208	
	246	
	296	
	346	
	396	
246	208	6
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

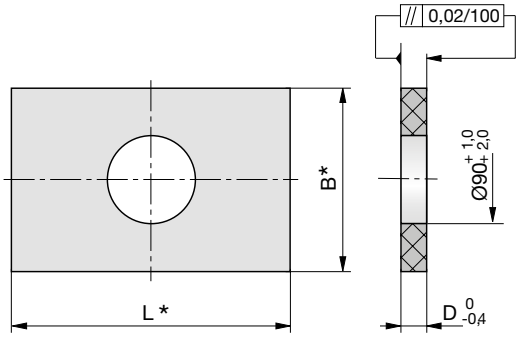
B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
	796	
646	696	8
	796	
	896	
	996	
696	696	8
	796	
	896	
	996	
796	796	8
	896	
	996	
896	896	8
	996	

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* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



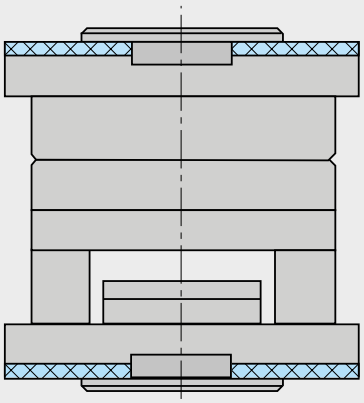
Z 7923- | ~600 N/mm²

Z 7923-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



B	L	D
156	125	8
	130	
	156	
	196	
	208	
	246	
	296	
196	196	8
	208	
	246	
	296	
	346	
	396	
246	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

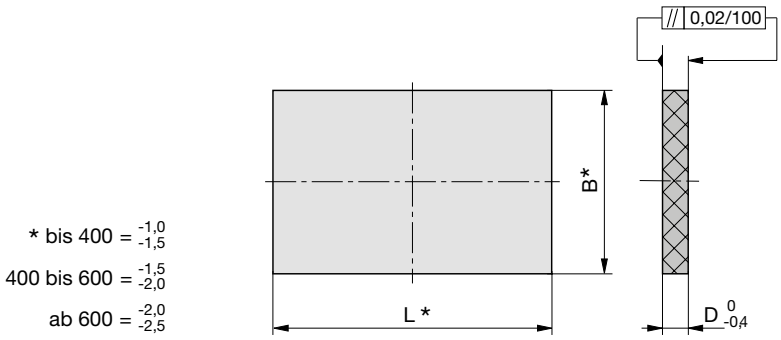
B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
	796	
646	696	8
	796	
	896	
	996	
696	696	8
	796	
	896	
	996	
796	796	8
	896	
	996	
896	896	8
	996	

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* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

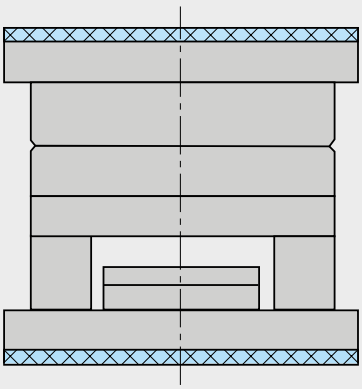
Z 7924- ~600 N/mm²

Z 7924-B-L

Andere Größen (z. B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

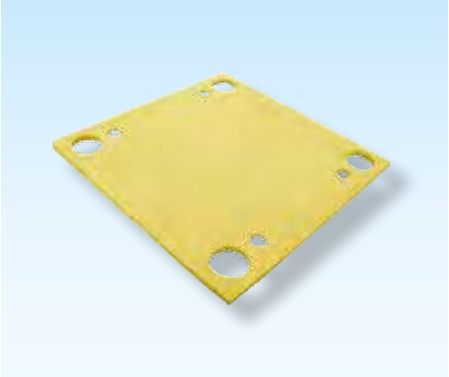
Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

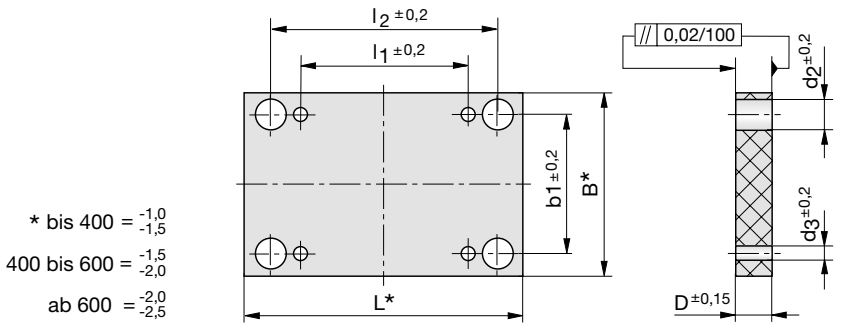


B	L	D	B	L	D
156	125	8	396	496	8
	130			546	
	156			596	
	196			696	
	208			796	
	246		446	446	8
	296			496	
196	196	8		546	
	208			596	
	246			696	
	296			796	
	346		496	496	8
	396			546	
246	208	8		596	
	218			696	
	260			796	
	296		546	596	8
	346			696	
	396			796	
	446		596	596	8
	496			646	
296	208	8		696	
	218			796	
	260		646	696	8
	296			796	
	346			896	
	396			996	
	446		696	696	8
	496			796	
	596			896	
346	346	8		996	
	396		796	796	8
	446			896	
	496			996	
	546		896	896	8
	596			996	
	696				
396	218	8			
	396				
	446				

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* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

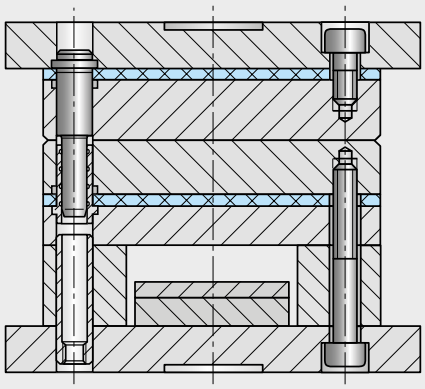
Z 7925- ~600 N/mm²

Z 7925-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

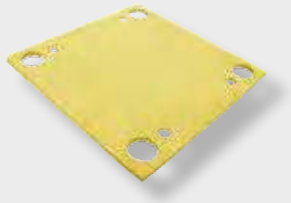
Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

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B	L	D	l1	l2	b1	d2	d3
125	156	6	70	130	99	18,5	8,5
156	156		62	114	114	24,5	11,0
	196		102	154	114	24,5	11,0
	246		152	204	114	24,5	11,0
	296		202	254	114	24,5	11,0
196	196	6	102	154	154	24,5	11,0
	246		152	204	154	28,5	11,0
	296		202	254	154	28,5	11,0
	346		252	304	154	28,5	11,0
	396		302	354	154	28,5	11,0
218	246	6	152	204	176	28,5	11,0
	296		202	254	176	28,5	11,0
246	246	8	134	194	194	34,5	13,0
	296		184	244	194	34,5	13,0
	346		234	294	194	34,5	13,0
	396		284	344	194	34,5	13,0
	446		334	394	194	34,5	13,0
	496		384	444	194	34,5	13,0
296	296	8	184	244	244	34,5	13,0
	346		234	294	244	34,5	13,0
	396		284	344	244	34,5	13,0
	446		334	394	244	34,5	13,0
	496		384	444	244	34,5	13,0
	596		484	544	244	34,5	13,0
346	346	8	230	294	294	34,5	17,0
	396		280	344	294	34,5	17,0
	446		330	394	294	34,5	17,0
	496		380	444	294	34,5	17,0
	546		430	494	294	34,5	17,0
	596		480	544	294	34,5	17,0
	696		580	644	294	34,5	17,0

Z 7925-

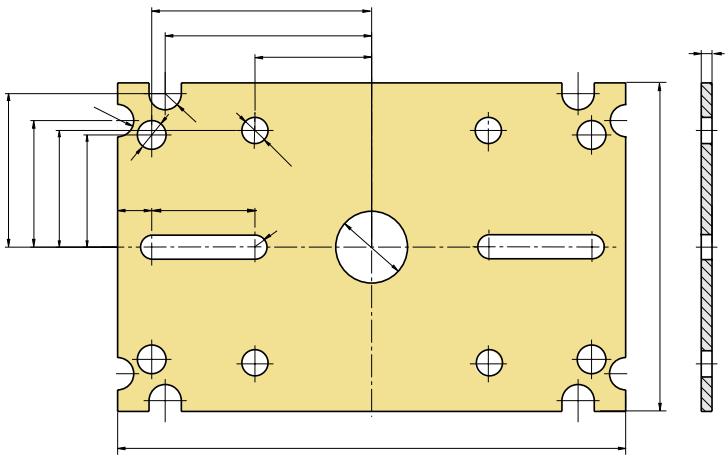


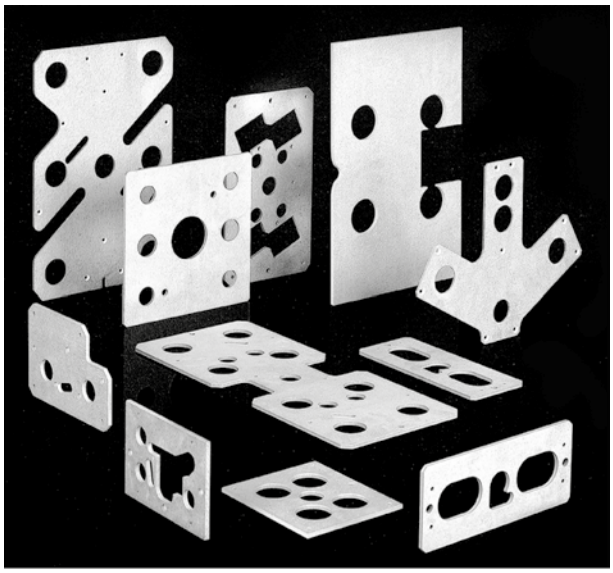
B	L	D	a1	a2	b	d2	d3
396	396	10	230	230	324	42,5	17,0
	446		280	280	374	42,5	17,0
	496		330	330	424	42,5	17,0
	596		430	430	524	42,5	17,0
	696		530	530	624	42,5	17,0
	796		630	630	724	42,5	17,0
446	446	10	280	374	374	42,5	17,0
	496		330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
496	496	10	330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
596	596	10	406	516	516	50,5	21,0
	696		506	616	616	50,5	21,0
	796		606	716	716	50,5	21,0

Alle Wärmeisolierplatten auf Anfrage auch mit zusätzlicher Bearbeitung lieferbar

On request all thermal insulating plates can also be delivered with an additional treatment

Sur demande toutes les plaques isolantes peuvent être livrées avec un traitement supplémentaire





Wärmeisolierplatten asbestfrei

Wärmeisolierplatten aus den nachstehend aufgeführten STRACK NORM Qualitäten sind asbestfrei und von hoher Strukturfestigkeit. Ihr Basismaterial besteht aus modifizierten duroplastischen Harzen, die u. a. mit Glasgeweben und mit aktiven Füllstoffen verstärkt sind.

Thermal Insulating Plates asbestos free

STRACK NORM Thermal Insulating Plates are non asbestos. They are recommendable, where a high strength component, excellent thermal protection and dimensional stability are required. They are intimate blends of high grade inorganic reinforcement and outstanding thermosetting resins.

Plaques Isolante sans amiante

Les Plaques thermo-isolantes dans les qualités STRACK NORM mentionnées ci-dessous sont exemptes d'amiante et présentent une haute stabilité de structure. Elles sont composées de résines thermodurcissables modifiées, renforcées de tissus de verre et d'autres agents actifs de remplissage.

Bearbeitungshinweise

Eine Absaugvorrichtung ist bei der Bearbeitung von Wärmeisolierplatten zu empfehlen.
Für die Bearbeitung der Typen **Z 7921**, **Z 7922** **Z 7926** und **Z 7928** sind normale Bearbeitungswerkzeuge einzusetzen.
Bei den Typen **Z 7923**, **Z 7924** und **Z 7925** sind hartmetallbestückte Werkzeuge einzusetzen.

Working tips

An extractor fan is recommendable when working with thermal insulating plates.
Normal tools should be used on types **Z 7921**, **Z 7922**, **Z 7926 and Z 7928**.
Carbide-tipped tools should be used on types **Z 7923**, **Z 7924 and Z 7925**.

Remarques de traitement

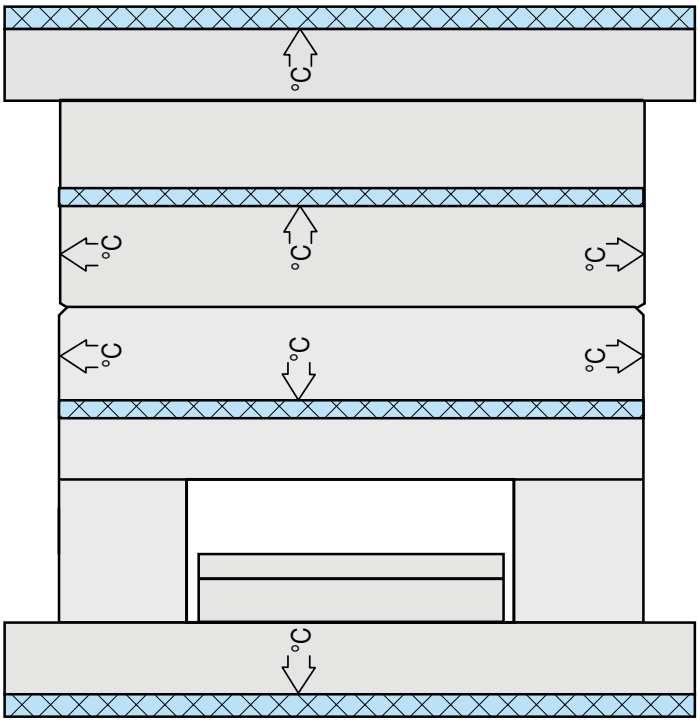
Un dispositif d'aspiration est recommandé pour l'usinage de plaques calorifuges.
Pour le traitement des types **Z 7921**, **Z 7922**, **Z 7926** et **Z 7928** le recours à des outils de façonnage normaux suffit.
Pour les types **Z 7923**, **Z 7924** et **Z 7925** il est conseillé de recourir à des outils à mise de métal dur.

Technische Daten Technical data Caractéristiques techniques		Z 7921 Z 7922	Z 7923 Z 7924 Z 7925
Druckfestigkeit Compressive strength Résistance à la compression	N/mm^2 kp/cm^2	330 3300	600 6000
Einsatztemperatur max. Working temperature max. Température maximum d'utilisation	°C	230	220
Wärmeleitzahl Coefficient of thermal conductivity Température maximum d'utilisation	W/mK	0,3	0,3
Feuchtigkeitsaufnahme Moisture absorption Absorption d'humidité	24 h/%	0,8	0,3
Dichte Specific gravity Densité	g/cm^3	1,95	1,85
Lineare Wärmeausdehnung Absorption d'humidité Dilatation thermique linéaire	$10^{-5}/°C$	1,2	1,5
Planparallelität geschliffen Parallelism, ground Parallélisme après retification	mm/m	± 0,1	± 0,05
Abweichung von der Nennstärke Deviation from nominal gauges Ecart de l'épaisseur nominale	%	± 3	± 3 (1,5)

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Wärmeisolierplatten asbestfrei	Thermal Insulating Plates asbestos free	Plaques Isolante sans amiante

STRACK NORM	Werkstoff	Material	Matériau
Z 7921 Z 7922	Aus hochfester Glaswirrfaser, gebunden in hitzebeständigen duroplastischen Harzen.	Of high strength random glass fibres, bound in heat-resistant thermosetting resins.	En fibres de verre embrouillées, entourées de résines thermodurcissables résistantes à la chaleur.
Z 7923 Z 7924 Z 7925	Aus kompakt angeordneten, vorbehandelten Glasfeingeweben, gebunden mit hitzebeständigen, modifizierten duroplastischen Harzen.	Of compactly arranged, pretreated fine glass fabrics, bound with heat-resistant modified thermosetting resins.	En tissus fins en fibres de verre, prétraites, disposées de manière compacte, entourés de résines thermodurcissables résistantes à la chaleur.



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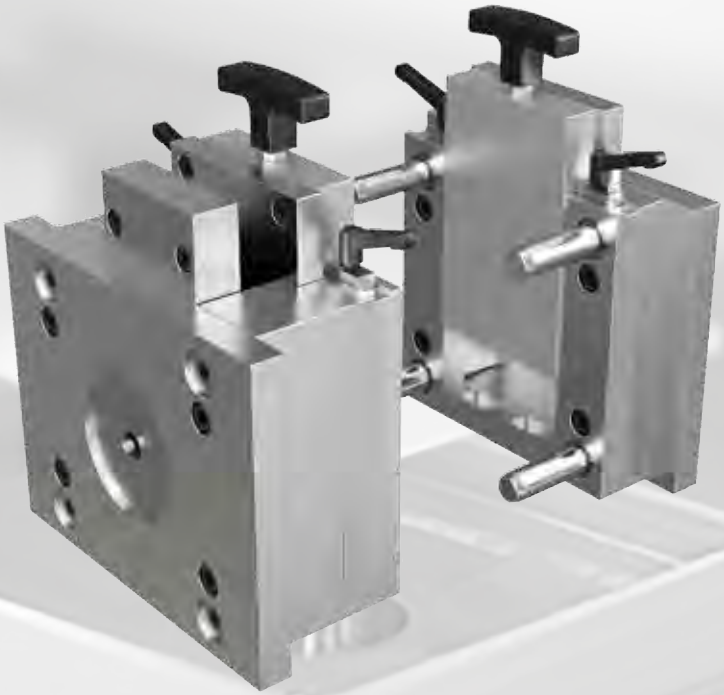
STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

BACKEN- UND KASSETTENFORMEN

SPLIT AND CARTRIDGES MOULDS

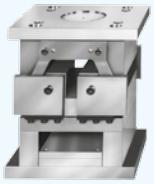
MOULES A COINS ET MOULES A CASSETTES



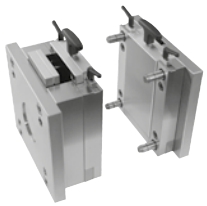


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BS 1616 3.6 | BS 2020 3.10 | BS 2525 3.14 | BS 3030 3.18 | 3.22



KSB 2020 3.28 | KSB 2225 3.29 | KSB 2530 3.30 | KSB 3035 3.31 | KSB 3.32



KS-B10 3.36



KS-B12 3.36



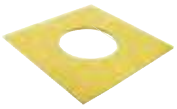
KS-B14 3.37



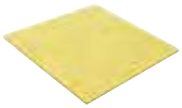
KS-A07 3.37



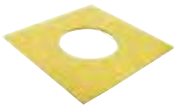
Z 4038-M8 3.38



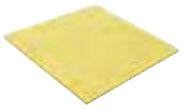
Z 7921 3.40



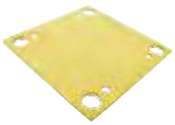
Z 2922 3.41



Z 7923 3.42



Z 7924 3.43



Z 7925 3.44

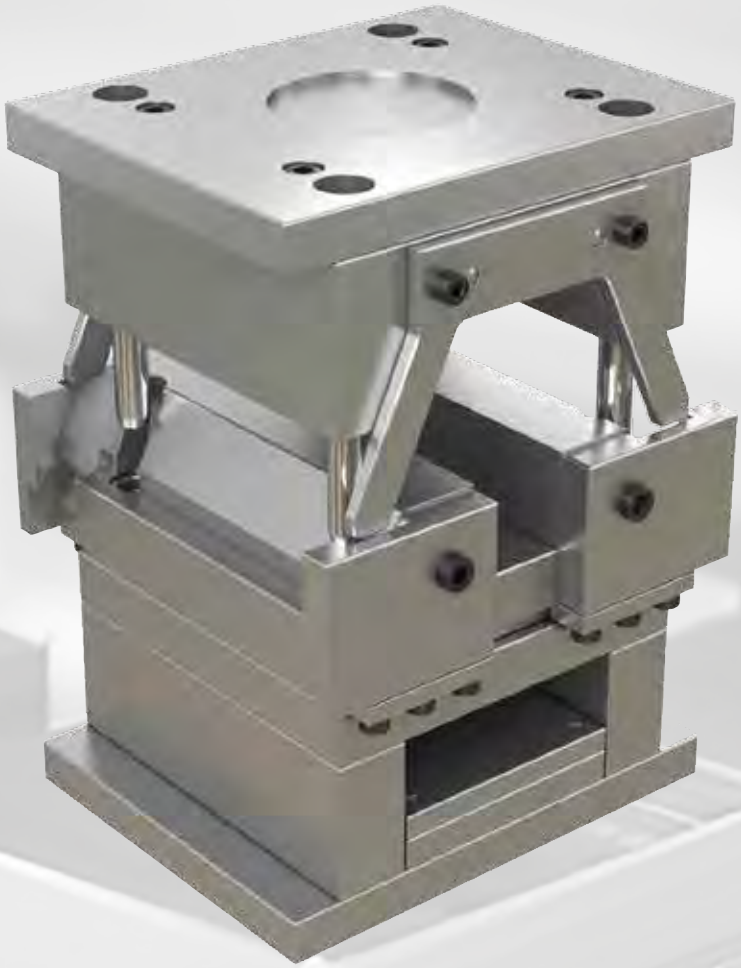


3.46

BACKENFORMEN

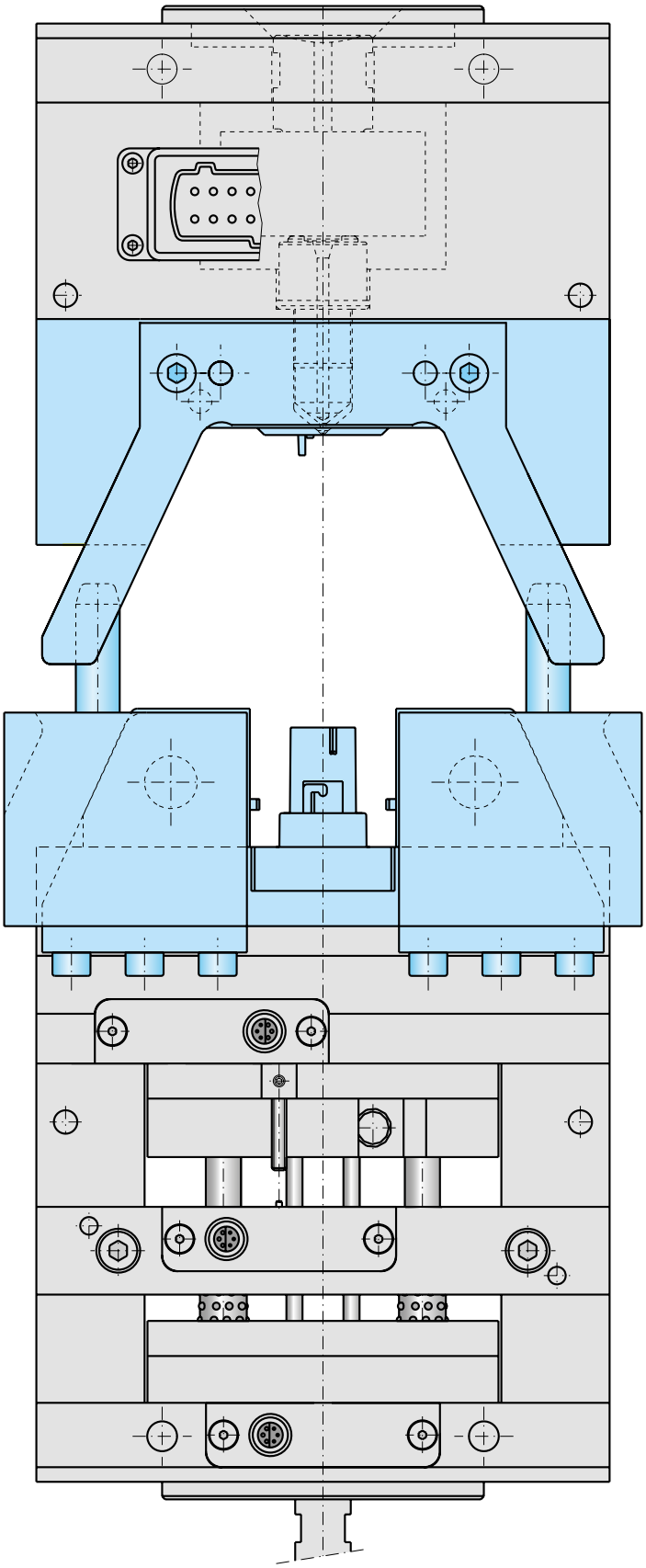
SPLIT MOULDS

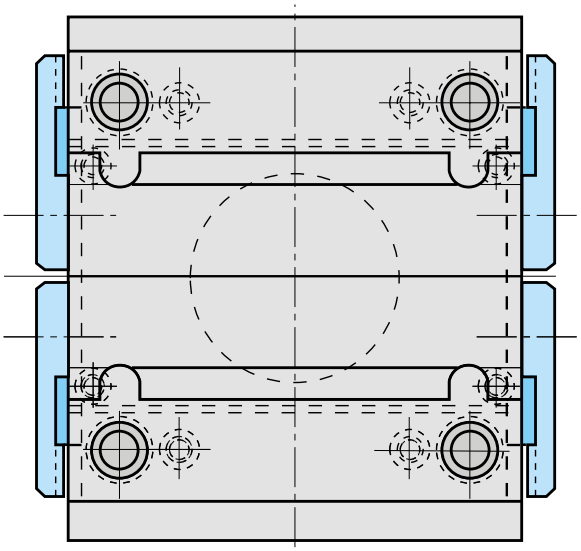
MOULES A COINS

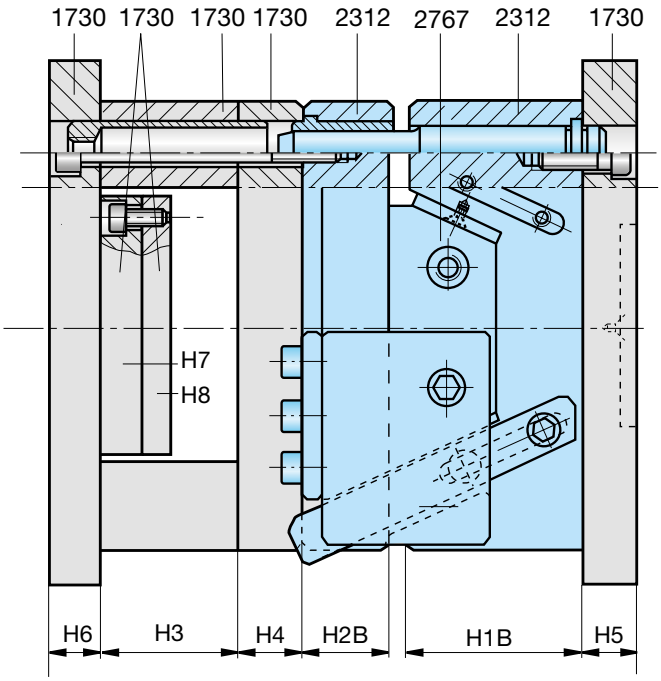


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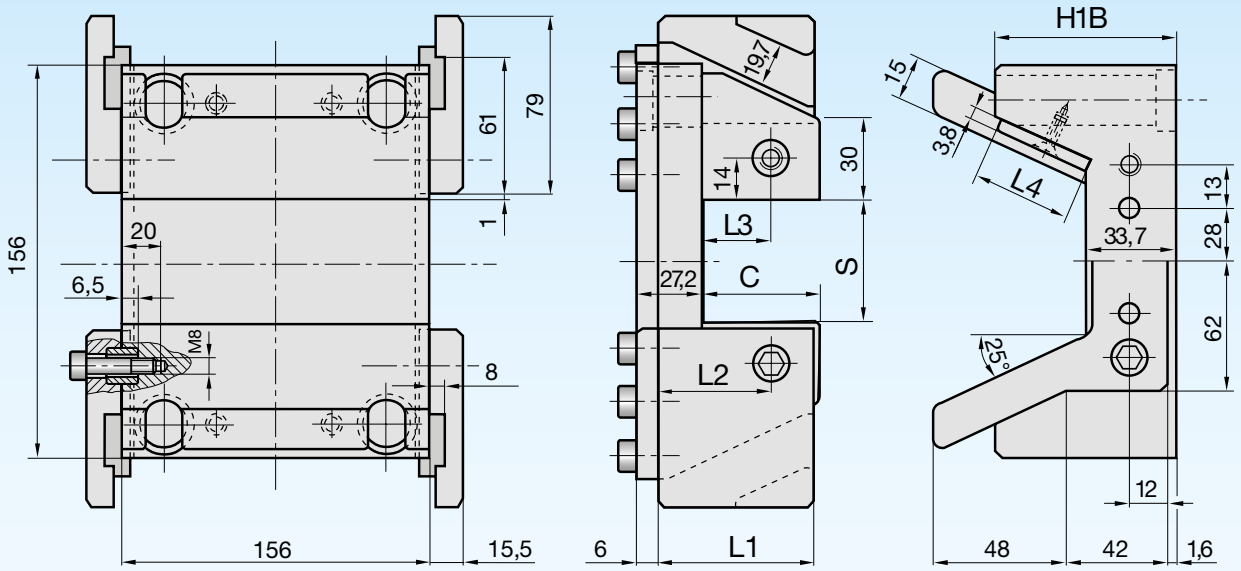






Backenformen / Split moulds / Moules a coins
BS 1616-27-40-0-2767
BS 2020-27-50-0-2767
BS 2020-37-50-0-2767
BS 2020-47-50-0-2767
BS 2525-37-70-0-2767
BS 2525-47-70-0-2767
BS 2525-57-70-0-2767
BS 3030-37-90-0-2767
BS 3030-57-90-0-2767
BS 3030-77-90-0-2767

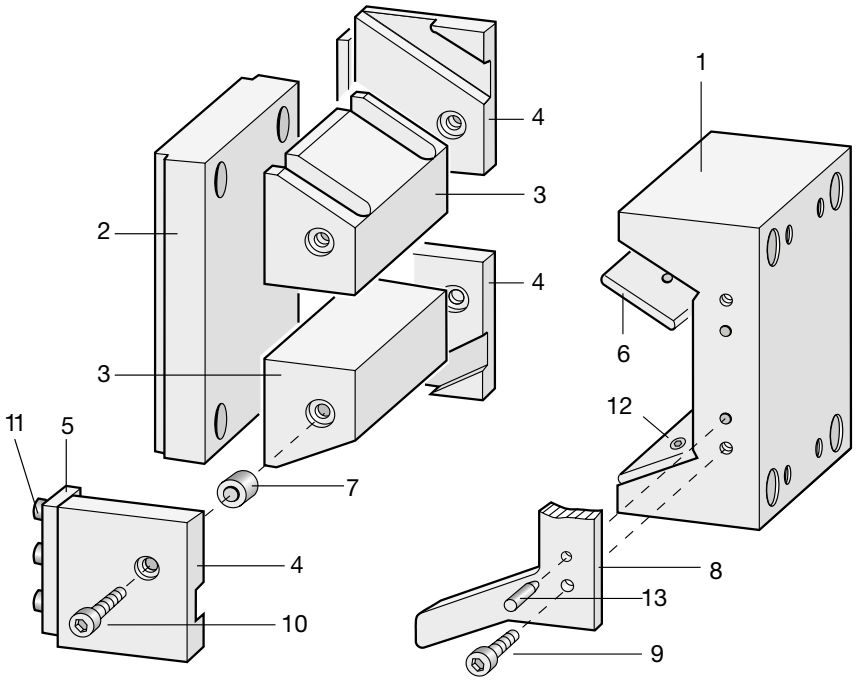
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BS 1616-27-40-0-2767

BS 1616-27-40-0-2767

BS	H1B	C	S	L1	L2	L3	L4
BS 1616-27-40-0-2767	56	27,2	40	46	34	14	25



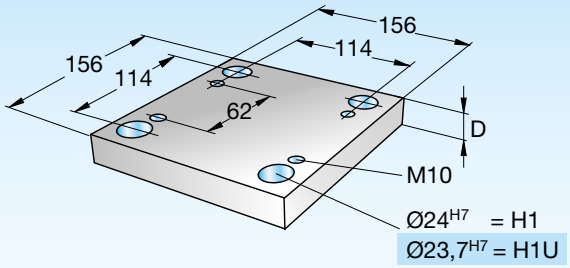
BS 1616-27-40-

BS 1616-27-40-Pos.

Pos. Item Rep.	Mat.	Festigkeit Strength Résistance	DIN-Nr. DIN-No Réf. matière	Abmessungen Dimensions	Stück Quant.	Bezeichnung / Description / Désignation
1	2312	≈1100 N/mm²			1	**H1B** Backenschließplatte / Jaw locking plate / Plaque de fermeture des moules à tiroirs
2	2312	≈1100 N/mm²			1	**H2B** Backengrundplatte / Jaw base plate / Plaque de base des moules à tiroirs
3	2767	≈840 N/mm²			2	Formbacke / Jaw / Tirois
4	2162	≈33/58 HRC			4	Backungsführungsplatte / Jaw guide plate / Plaque de guidage empreintes
5	2842	≈58 HRC			4	Untergriff / Bottom grip / Talons
6	2842	≈58 HRC			2	Druckleiste / Pressure pad / Listels de pression
7	2162	≈58 HRC		Ø14 x 12,5	4	Zentrierbuchse / Centering bush / Douilles de centrage
8	2842	≈58 HRC			2	Entriegelungsstück / Unlocking element / Cames de déverrouillage
9	0	8.8	DIN EN ISO 4762	M8 x 16	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
10	0	8.8	DIN 7984	M8 x 25	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
11	0	8.8	DIN EN ISO 4762	M8 x 16	12	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
12	0	8.8	DIN EN ISO 10642	M4 x 8	4	Senkkopfschraube / Flathead screw / Vis tête noyée
13	0		DIN EN ISO 87352	Ø6 x 16	4	Zylinderstift / Straight pin / Goupilles cylindriques

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Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

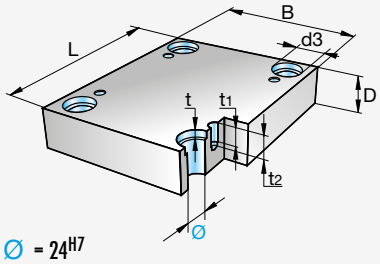


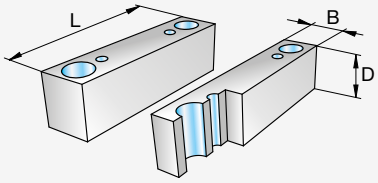
Standard

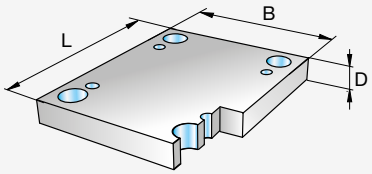
1616

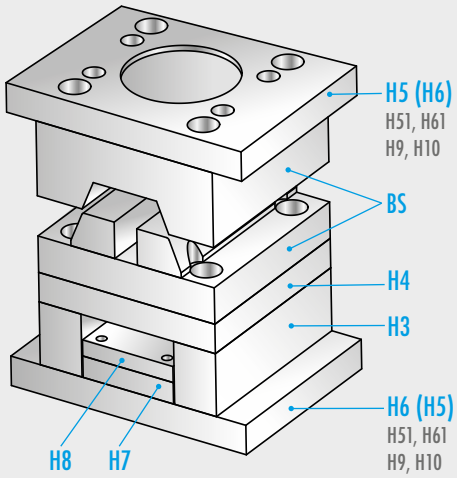
1616-Type-D-Mat.

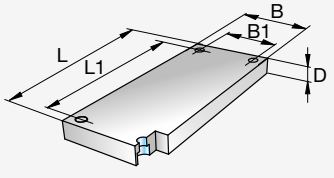
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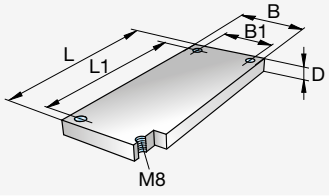
Type	B x L = 156 x 156	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■

Type	B x L = 37 x 156	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

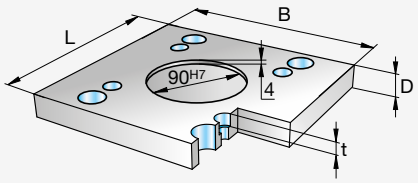
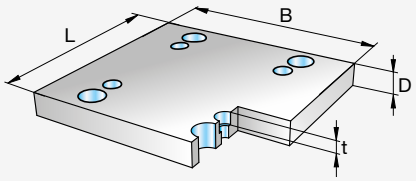
Type	B x L = 156 x 156	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

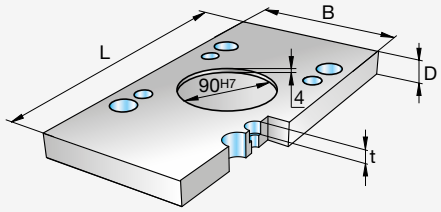
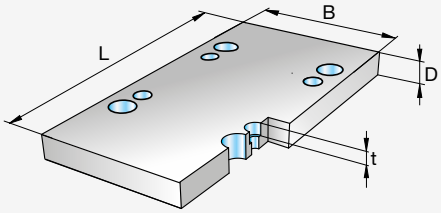


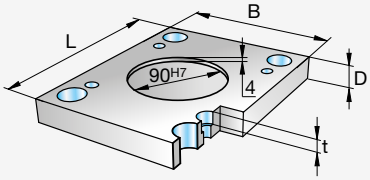
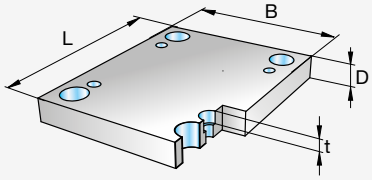
Type	B x L = 80 x 156 / B1 x L1 = 58 x 138	D	Mat. 1730	2085	2312
H7		12	■		
		16	■		

Type	B x L = 80 x 156 / B1 x L1 = 58 x 138	D	Mat. 1730	2085	2312
H8		12	■		

Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

Type	B x L = 208 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

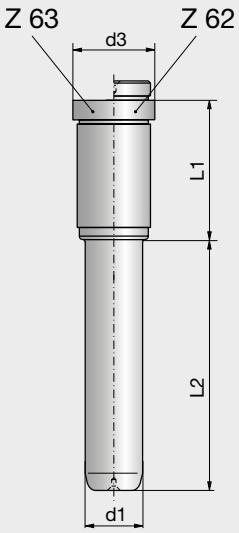
Type	B x L = 156 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 156 x 156	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

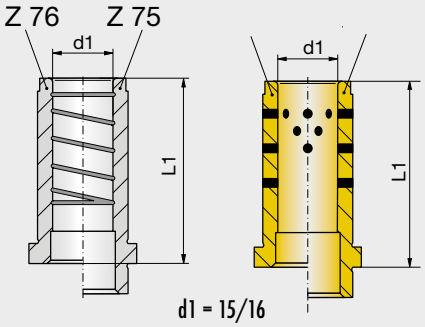
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

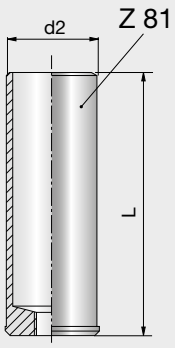
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 15/16



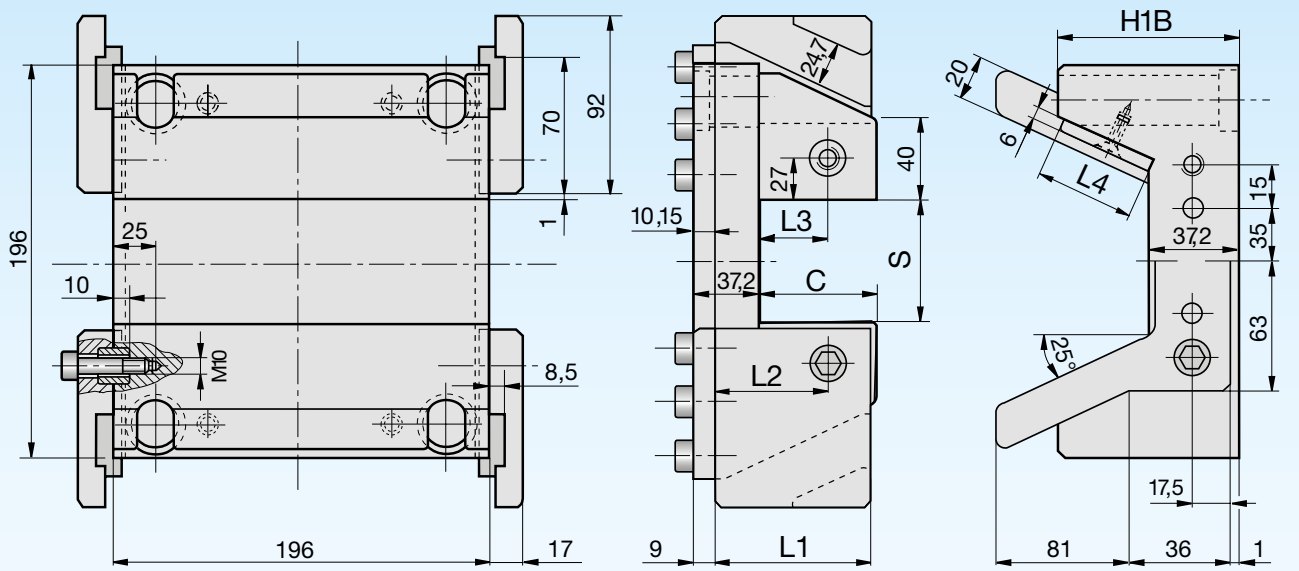
d1 = 15/16



d2 = 24

D 3001 09.2017

3



BS 2020-27-50-0-2767

BS 2020-27-50-0-2767

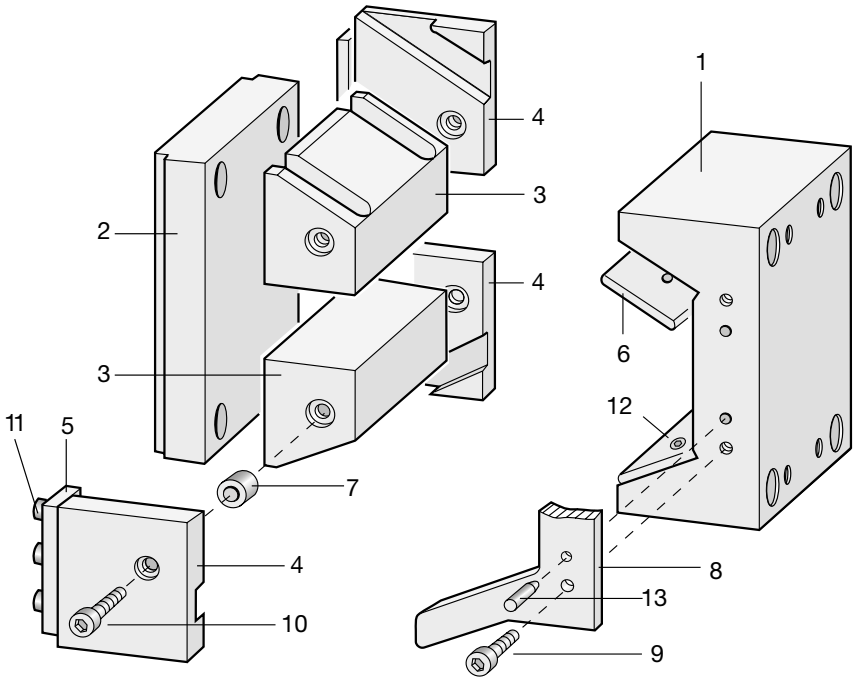
BS 2020-37-50-0-2767

BS 2020-37-50-0-2767

BS 2020-47-50-0-2767

BS 2020-47-50-0-2767

BS	H1B	C	S	L1	L2	L3	L4
BS 2020-27-50-0-2767	57,2	27,3	50	53	39,3	12,15	25
BS 2020-37-50-0-2767	67,2	37,3	50	63	39,3	12,15	35
BS 2020-47-50-0-2767	77,2	47,3	50	73	49,3	22,15	45



BS 2020-27-50-

BS 2020-27-50-Pos.

BS 2020-37-50-

BS 2020-37-50-Pos

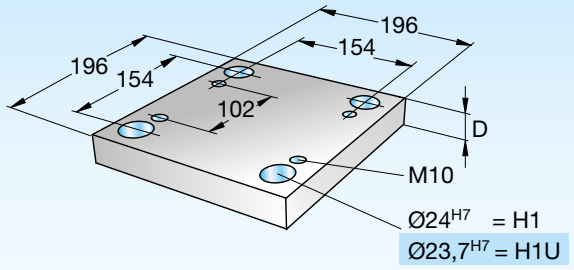
BS 2020-47-50-

BS 2020-47-50-Pos

Pos. Item Rep.	Mat.	Festigkeit Strength Résistance	DIN-Nr. DIN-No Réf. matière	Abmessungen Dimensions	Stück Quant.	Bezeichnung / Description / Désignation
1	2312	≈1100 N/mm²			1	**H1B** Backenschließplatte / Jaw locking plate / Plaque de fermeture des moules à tiroirs
2	2312	≈1100 N/mm²			1	**H2B** Backengrundplatte / Jaw base plate / Plaque de base des moules à tiroirs
3	2767	≈840 N/mm²			2	Formbacke / Jaw / Tirois
4	2162	≈33/58 HRC			4	Backungsführungsplatte / Jaw guide plate / Plaque de guidage empreintes
5	2842	≈58 HRC			4	Untergriff / Bottom grip / Talons
6	2842	≈58 HRC			2	Druckleiste / Pressure pad / Listels de pression
7	2162	≈58 HRC		Ø18 x 19,5	4	Zentrierbuchse / Centering bush / Douilles de centrage
8	2842	≈58 HRC			2	Entriegelungsstück / Unlocking element / Cames de déverrouillage
9	0	8.8	DIN EN ISO 4762	M8 x 20	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
10	0	8.8	DIN 7984	M10 x 40	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
11	0	8.8	DIN EN ISO 4762	M8 x 20	12	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
12	0	8.8	DIN EN ISO 10642	M6 x 16	4	Senkkopfschraube / Flathead screw / Vis tête noyée
13	0		DIN EN ISO 87352	Ø8 x 16	4	Zylinderstift / Straight pin / Goupilles cylindriques

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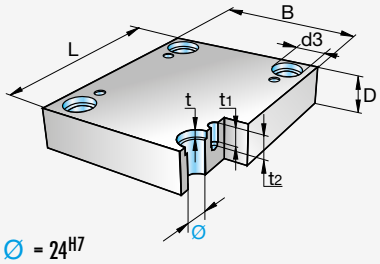
Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

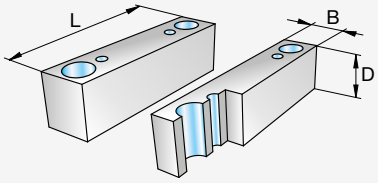


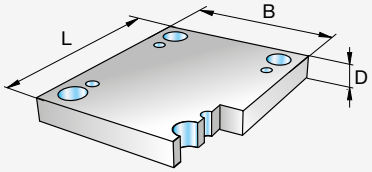
Standard

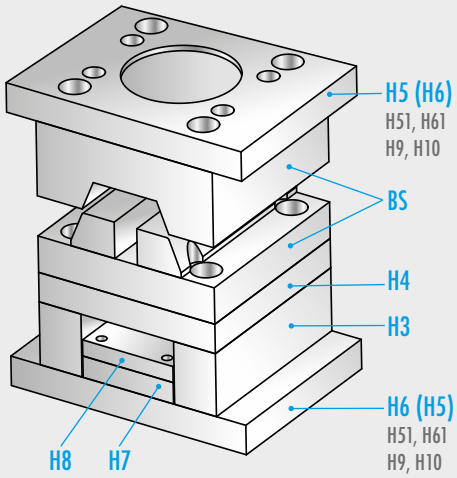
2020

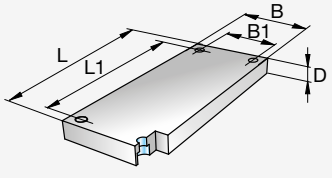
2020-Type-D-Mat.

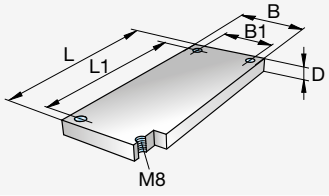
Type	B x L = 196 x 196	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 24H7 H1U Ø = 23,7H7	6,2	10	12	29	17	■			■	■	■		■
			13	16		22	■			■	■	■		■
			17	20		27	■			■	■	■	■	■
			17	20		37	■			■	■	■	■	■
			17	20		47	■			■	■	■	■	■
			17	20		57	■			■	■	■	■	■
			17	20		67	■			■	■	■	■	■
			17	20		77	■			■	■	■	■	■
			17	20		87	■			■	■	■	■	■
			17	20		97	■			■	■	■	■	■

Type	B x L = 37 x 196	D	Mat. 1730	2085	2312
H3		47	■		
		57	■		
		67	■		
		77	■		
		87	■		
		97	■		

Type	B x L = 196 x 196	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

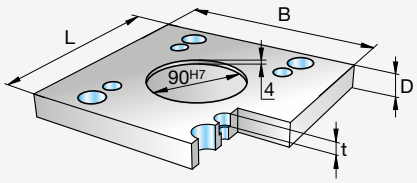
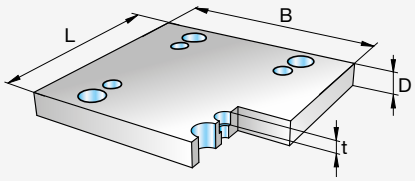


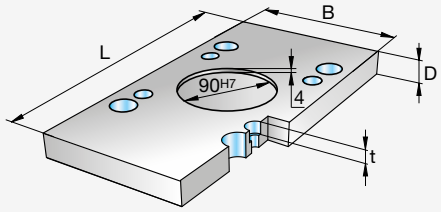
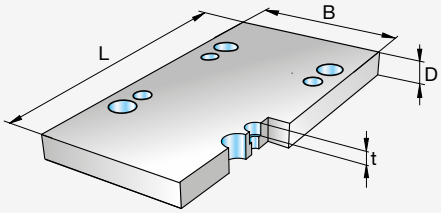
Type	B x L = 120 x 196 / B1 x L1 = 98 x 178	D	Mat. 1730	2085	2312
H7		16	■		
		17	■		■

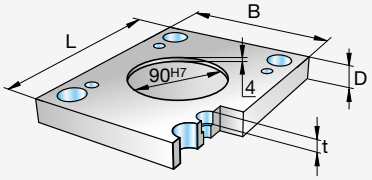
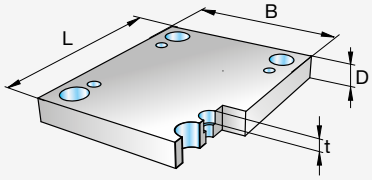
Type	B x L = 120 x 196 / B1 x L1 = 98 x 178	D	Mat. 1730	2085	2312
H8		12	■		

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Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

Type	B x L = 246 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		11	22	■		■
			27	■		■
H6		11	22	■		■
			27	■		■

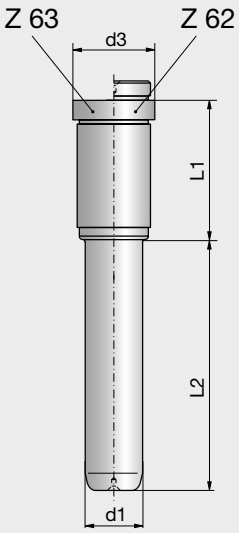
Type	B x L = 196 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		11	22	■		■
			27	■		■
H61		11	22	■		■
			27	■		■

Type	B x L = 196 x 196	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		11	22	■		■
			27	■		■
H10		11	17	■		
			22	■		■
			27	■		■

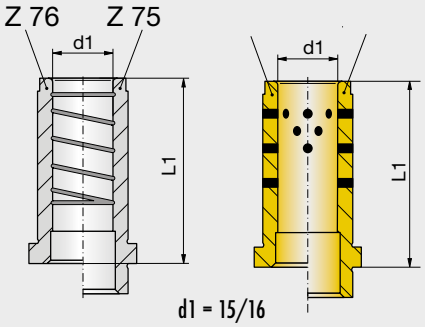
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

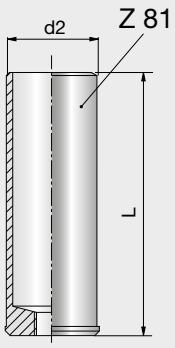
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



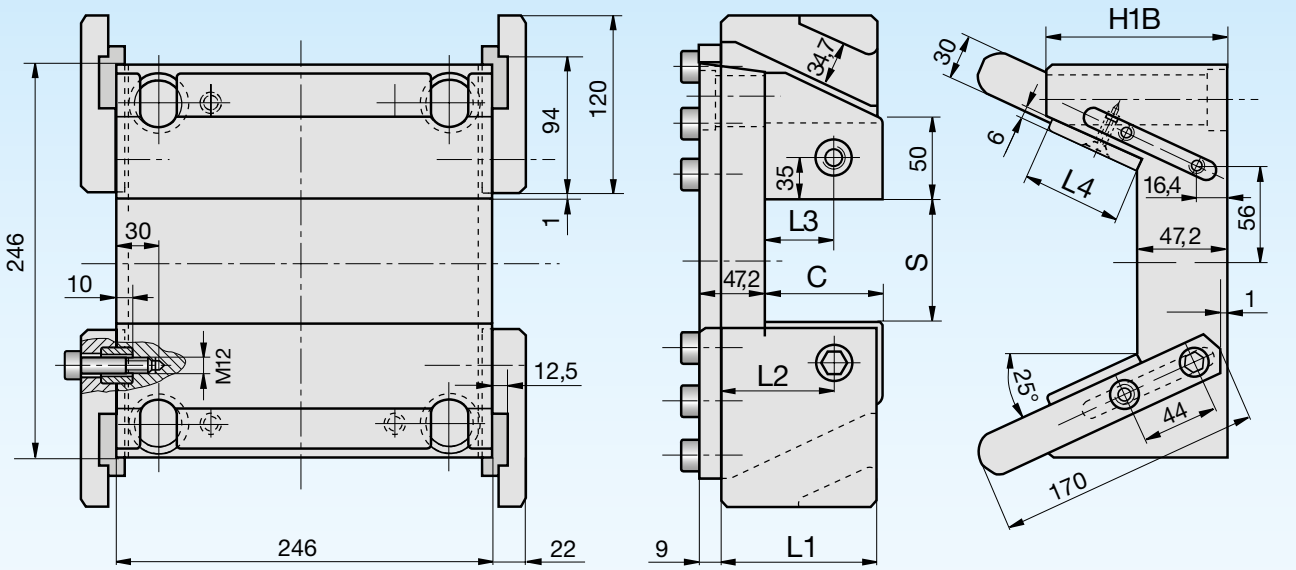
d1 = 15/16



d1 = 15/16



d2 = 24



BS 2525-37-70-0-2767

BS 2525-37-70-0-2767

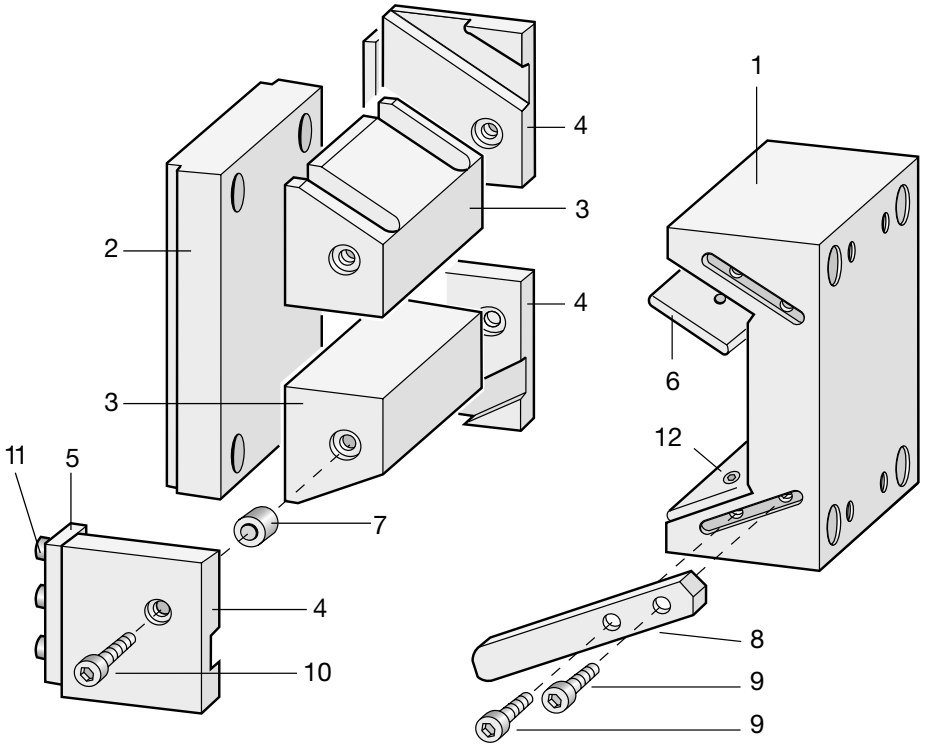
BS 2525-47-70-0-2767

BS 2525-47-70-0-2767

BS 2525-57-70-0-2767

BS 2525-57-70-0-2767

BS	H1B	C	S	L1	L2	L3	L4
BS 2525-37-70-0-2767	77,2	37,3	70	73	49,3	12,15	36
BS 2525-47-70-0-2767	87,2	47,3	70	83	59,3	22,15	46
BS 2525-57-70-0-2767	97,2	57,3	70	93	69,3	32,15	56



BS 2525-37-70-

BS 2525-37-70-Pos.

BS 2525-47-70-

BS 2525-47-70-Pos

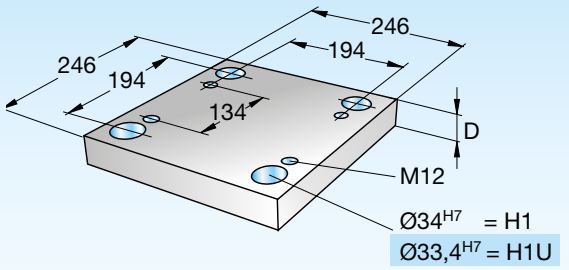
BS 2525-57-70-

BS 2525-57-70-Pos

Pos. Item Rep.	Mat.	Festigkeit Strength Résistance	DIN-Nr. DIN-No Réf. matière	Abmessungen Dimensions	Stück Quant.	Bezeichnung / Description / Désignation
1	2312	≈1100 N/mm²			1	**H1B** Backenschließplatte / Jaw locking plate / Plaque de fermeture des moules à tiroirs
2	2312	≈1100 N/mm²			1	**H2B** Backengrundplatte / Jaw base plate / Plaque de base des moules à tiroirs
3	2767	≈840 N/mm²			2	Formbacke / Jaw / Tirois
4	2162	≈33/58 HRC			4	Backungsführungsplatte / Jaw guide plate / Plaque de guidage empreintes
5	2842	≈58 HRC			4	Untergriff / Bottom grip / Talons
6	2842	≈58 HRC			2	Druckleiste / Pressure pad / Listels de pression
7	2162	≈58 HRC		Ø20 x 24,5	4	Zentrierbuchse / Centering bush / Douilles de centrage
8	2842	≈58 HRC			4	Entriegelungsstück / Unlocking element / Cames de déverrouillage
9	0	8.8	DIN 7984	M8 x 25	8	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
10	0	8.8	DIN 7984	M12 x 45	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
11	0	8.8	DIN EN ISO 4762	M8 x 20	12	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
12	0	8.8	DIN EN ISO 10642	M6 x 16	8	Senkkopfschraube / Flathead screw / Vis tête noyée

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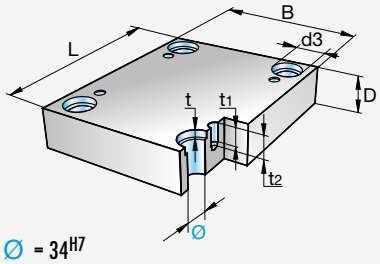
Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

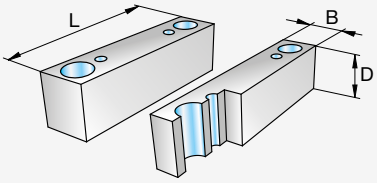


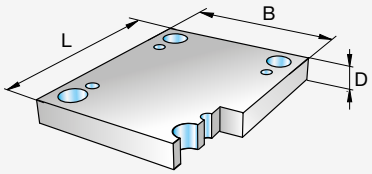
Standard

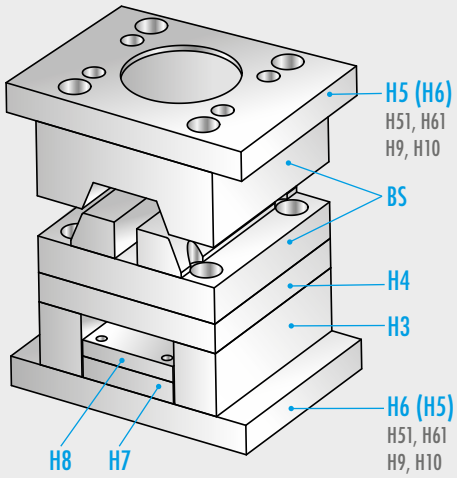
2525

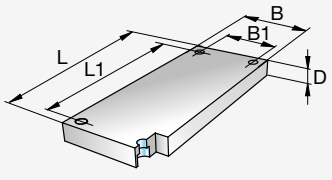
2525-Type-D-Mat.

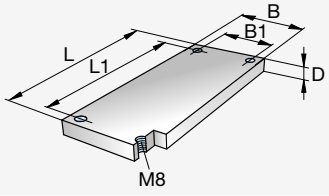
Type	B x L = 246 x 246	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	12	16	39	22	■			■	■	■		■
			16	20		27	■			■	■	■	■	■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■

Type	B x L = 47 x 246	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

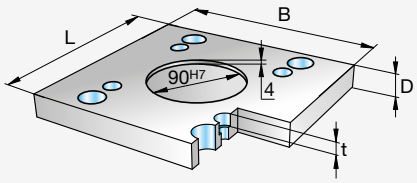
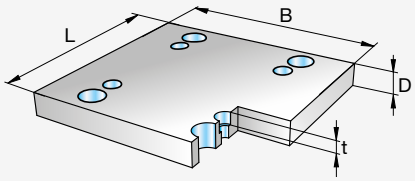
Type	B x L = 246 x 246	D	Mat. 1730	2085	2312
H4		22	■		
		27	■		
		37	■		

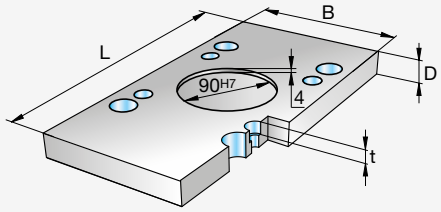
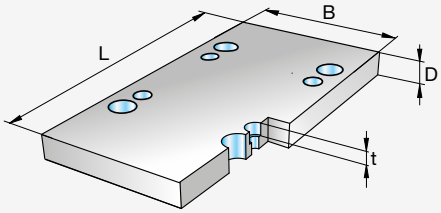


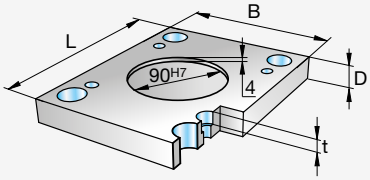
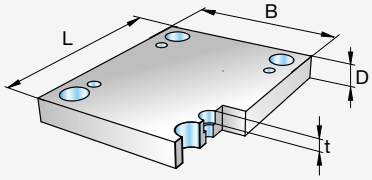
Type	B x L = 147 x 246 / B1 x L1 = 129 x 228	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 147 x 246 / B1 x L1 = 129 x 228	D	Mat. 1730	2085	2312
H8		12	■		

Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

Type	B x L = 296 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

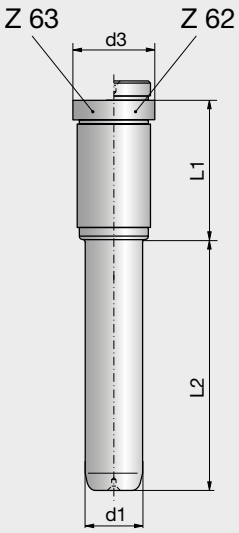
Type	B x L = 246 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 246 x 246	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

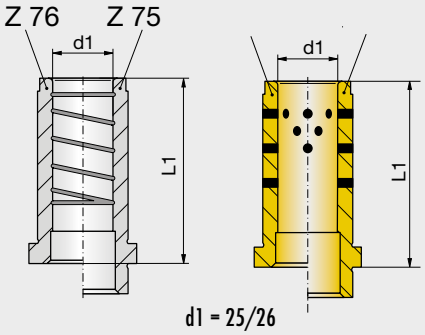
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

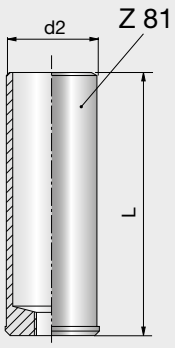
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



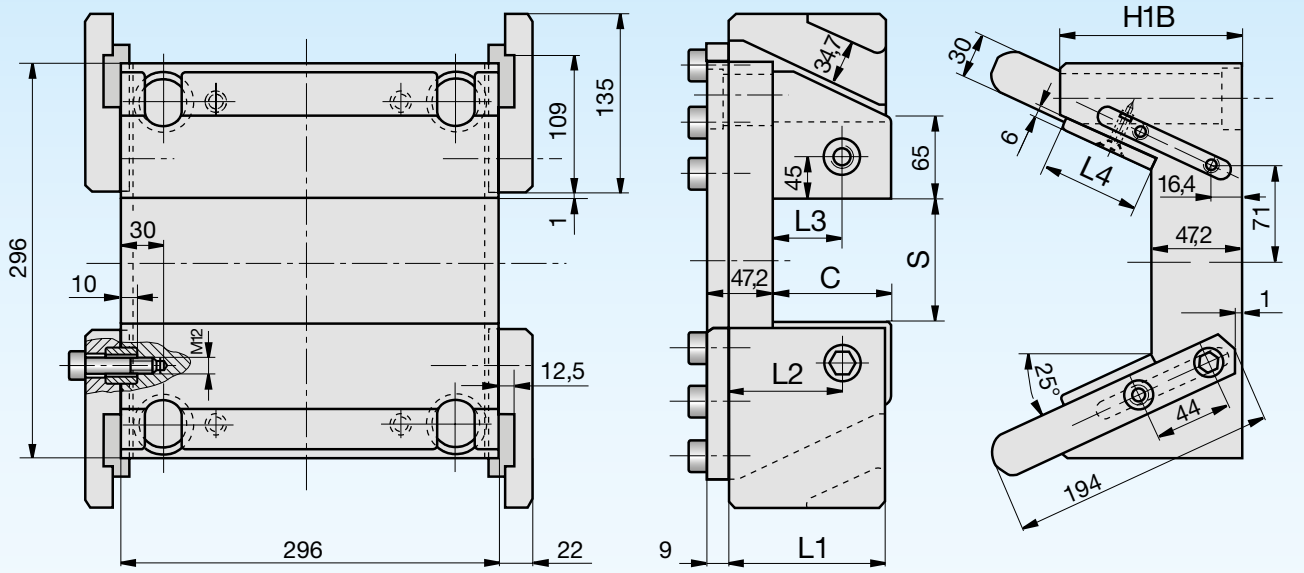
d1 = 25/26



d1 = 25/26



d2 = 34



BS 3030-37-90-0-2767

BS 3030-37-90-0-2767

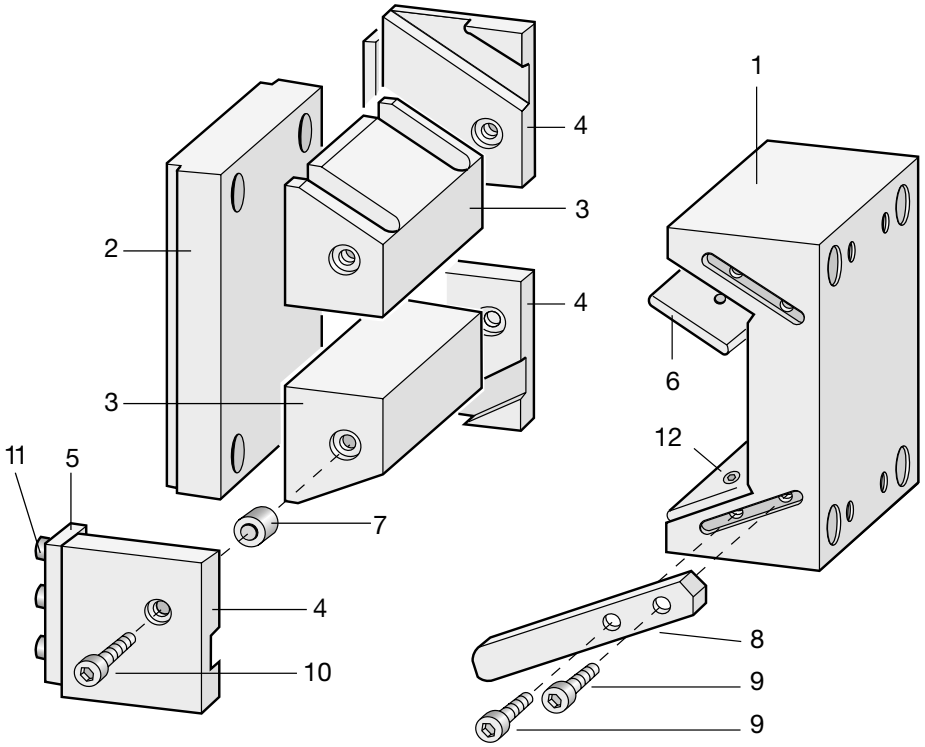
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BS 3030-57-90-0-2767

BS 3030-77-90-0-2767

BS 3030-77-90-0-2767

BS	H1B	C	S	L1	L2	L3	L4
BS 3030-37-90-0-2767	77,2	37,3	90	73	49,3	12,15	36
BS 3030-57-90-0-2767	97,2	57,3	90	93	69,3	32,15	56
BS 3030-77-90-0-2767	107,2	77,3	90	113	89,3	52,15	66



BS 3030-37-90-

BS 3030-37-90-Pos.

BS 3030-57-90-

BS 3030-57-90-Pos

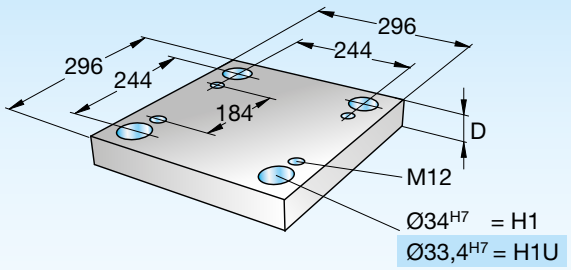
BS 3030-77-90-

BS 3030-77-90-Pos

Pos. Item Rep.	Mat.	Festigkeit Strength Résistance	DIN-Nr. DIN-No Réf. matière	Abmessungen Dimensions	Stück Quant.	Bezeichnung / Description / Désignation
1	2312	≈1100 N/mm²			1	**H1B** Backenschließplatte / Jaw locking plate / Plaque de fermeture des moules à tiroirs
2	2312	≈1100 N/mm²			1	**H2B** Backengrundplatte / Jaw base plate / Plaque de base des moules à tiroirs
3	2767	≈840 N/mm²			2	Formbacke / Jaw / Tirois
4	2162	≈33/58 HRC			4	Backungsführungsplatte / Jaw guide plate / Plaque de guidage empreintes
5	2842	≈58 HRC			4	Untergriff / Bottom grip / Talons
6	2842	≈58 HRC			2	Druckleiste / Pressure pad / Listels de pression
7	2162	≈58 HRC		Ø20 x 24,5	4	Zentrierbuchse / Centering bush / Douilles de centrage
8	2842	≈58 HRC			4	Entriegelungsstück / Unlocking element / Cames de déverrouillage
9	0	8.8	DIN 7984	M8 x 25	8	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
10	0	8.8	DIN 7984	M12 x 45	4	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
11	0	8.8	DIN EN ISO 4762	M8 x 20	12	Zylinderkopfschraube / Cylinder head screw / Vis tête cylindrique
12	0	8.8	DIN EN ISO 10642	M6 x 16	8	Senkkopfschraube / Flathead screw / Vis tête noyée

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Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

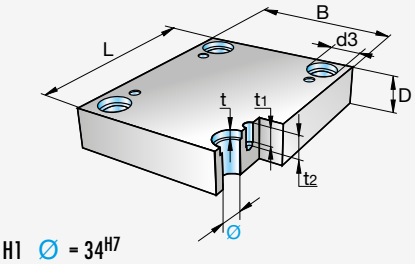


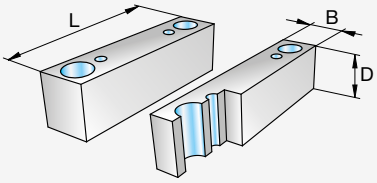
Standard

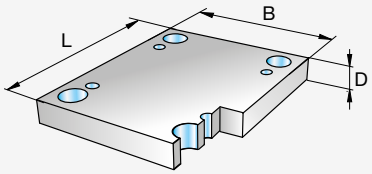
3030

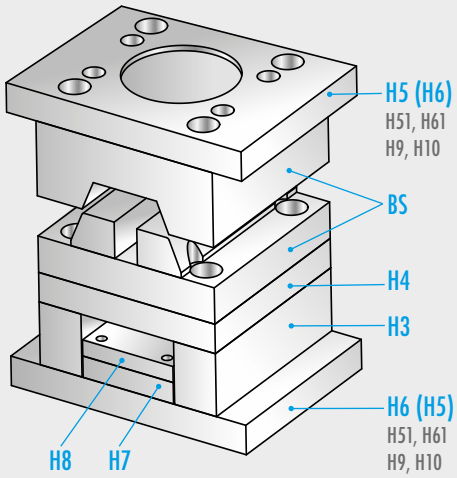
3030-Type-D-Mat.

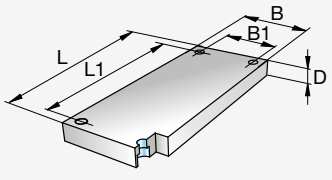
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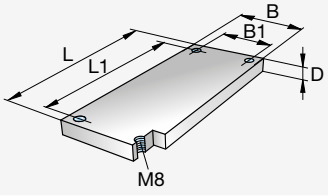
Type	B x L = 296 x 296	t	t1	t2	d3	D	Mat. 1730	2083	2085	2162	2311	2312	2343	2767
H1 H1U	 H1 Ø = 34H7 H1U Ø = 33,4H7	8,2	16	20	39	27	■			■	■	■		■
			20	25		37	■			■	■	■	■	■
			20	25		47	■			■	■	■	■	■
			20	25		57	■			■	■	■	■	■
			20	25		67	■			■	■	■	■	■
			20	25		77	■			■	■	■	■	■
			20	25		87	■			■	■	■	■	■
			20	25		97	■			■	■	■	■	■
			20	25		117	■			■	■	■	■	■

Type	B x L = 47 x 296	D	Mat. 1730	2085	2312
H3		57	■		
		67	■		
		77	■		
		87	■		
		97	■		
		117	■		

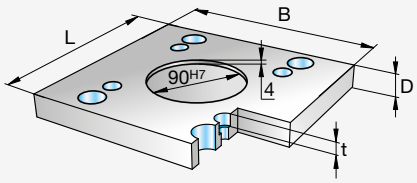
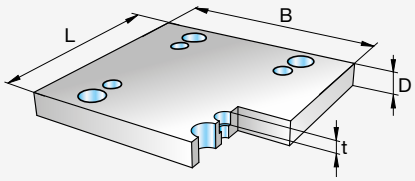
Type	B x L = 296 x 296	D	Mat. 1730	2085	2312
H4		27	■		
		37	■		
		47	■		

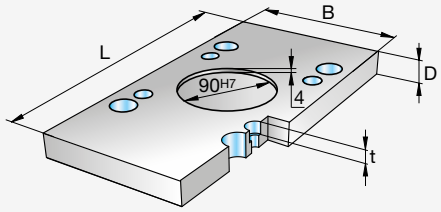
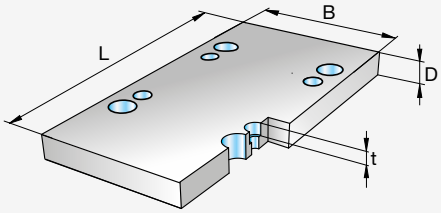


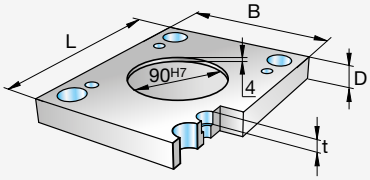
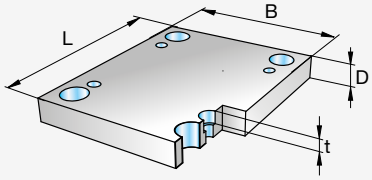
Type	B x L = 197 x 296 / B1 x L1 = 179 x 278	D	Mat. 1730	2085	2312
H7		18	■		
		27	■		■

Type	B x L = 197 x 296 / B1 x L1 = 179 x 278	D	Mat. 1730	2085	2312
H8		12	■		

Platten für Backenformen | Plates for split moulds | Plaques pour moules à coins

Type	B x L = 346 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H5		13	27	■		■
			37	■		■
H6		13	27	■		■
			37	■		■

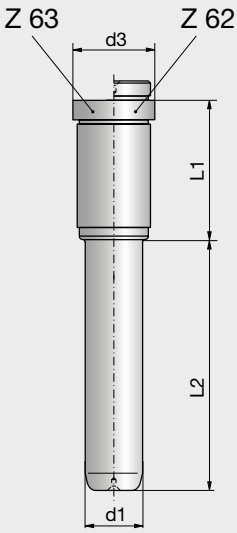
Type	B x L = 296 x 396	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H51		13	27	■		■
			37	■		■
H61		13	27	■		■
			37	■		■

Type	B x L = 296 x 296	t	D	Mat. 1730	Mat. 2085	Mat. 2312
H9		13	27	■		■
			37	■		■
H10		13	22	■		■
			27	■		■
			37	■		■

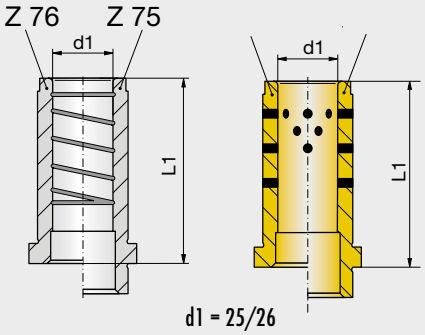
Zubehör für Standard-Formplatten
siehe Buch 2 / Kapitel 1

Accessories for standard cavity plates
see book 2 / chapter 1

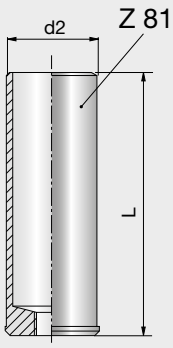
Accessories pour plaques
porte-empreinte de standard
voir livre 2 / chapitre 1



d1 = 25/26



d1 = 25/26



d2 = 34

Information deutsch



Backenform-Bausätze 1616–3030

Der Bausatz ist das Grundelement einer jeden Backenform. In Kombination mit anderen Formplatten lässt sich jeder gewünschte Formaufbau erstellen.

STRACK NORMA Backenformen bieten folgende Vorteile:

1. Freier Fall der Spritzgießteile
Keine Schrägbolzen, keine störenden aufgesetzten Backenführungen, die den freien Fall der Spritzgießteile behindern.

2. Massive Zuhaltung
Backenschließplatte H1B aus einem Stück gefertigt - Werkstoff 1.2312.

3. Größtmögliche Arbeitsfläche
Backenlänge gleich dem Formplattenaußenmaß.

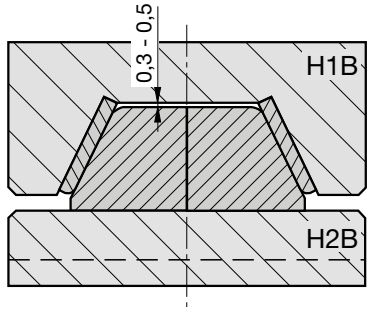
4. Optimale Temperiermöglichkeit
Keine störenden Bohrungen für Schrägbolzen.
Befestigung der Backenführung durch nur eine Zentrierbuchse mit Schraube.
Backenführung partiell ohne Oberflächenhärte für die Einbringung von Kühlbohrungen und zusätzliche Zentrierstifte.

5. Optimale Korrekturmöglichkeit
Bei Härteverzug und Verschleiß in allen Ebenen durch
- stirnseitig an den Formbacken befestigte Backenführungen.
- Backenführungen und Untergriff geteilt.

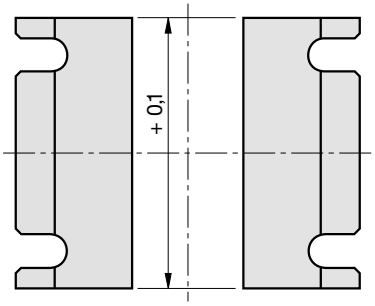
6. Druckleisten und Backenführung gehärtet

7. Aufmaß im Backenquerschnitt (siehe Abbildung1)
Für Korrekturmöglichkeiten nach dem Härten werden die Backen im Querschnitt mit Aufmaß geliefert. Das Spiel zwischen Oberkante Formbacke und Unterkante Konusplatte (H1B) ist entsprechend zu korrigieren. Das Spiel kann korrigiert werden durch Abschleifen der Backen in der Backentrennebene, der Backenschräge oder den Druckleisten.

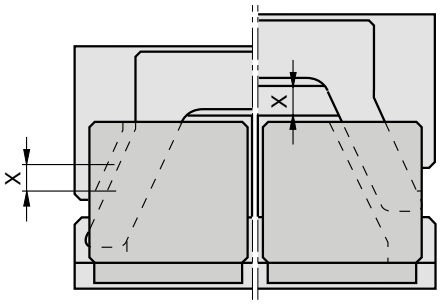
8. Austausch aller Bauteile möglich
Alle Teile des Bausatzes können einzeln nachbestellt werden. Die Teile sind maßlich so festgelegt, dass ein Anpassen an das vorhandene Werkzeug gewährleistet ist.
Backenlänge + 0,1 mm (siehe Abbildung 2)
Backenquerschnitt (siehe Abbildung 1)



1



2



3

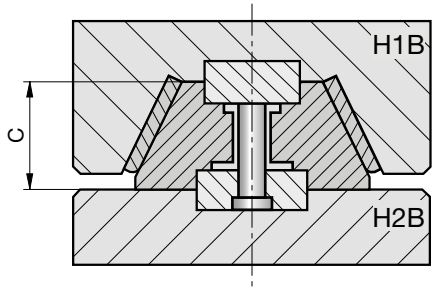
Konstruktionshinweise

1. Serienmäßige Verzögerung der Backenöffnung (siehe Abbildung 3)
Die Formbacken werden erst geöffnet, wenn die Entriegelungsleiste mit dem Öffnungsweg (Maß X) des Spritzgießwerkzeuges an die Backenführung anfährt.

B 1616 = 10 mm Verzögerung
B 2020 = 10 mm Verzögerung
B 2525 = 10 mm Verzögerung
B 3030 = 10 mm Verzögerung

2. Ausgleich der Backenhöhe (siehe Abbildung 4)
Die Backenhöhe (Maß C) kann der Höhe des Spritzteiles angepasst werden. Hierzu wird ein Einsatz in die Konusplatte (H1B) oder in die Backengrundplatte (H2B) eingesetzt.

3. Nitrieren der Backengrundplatte
Aus Verschleißgründen empfehlen wir, die Backengrundplatte (H2B) nach der Fertigbearbeitung zu nitrieren (siehe Wärmebehandlung 1.2312).



4

Information english



Split Mould Kits 1012–3030

The kit is the basic element of every split mould. Any desired mould configuration will possible in combination with other mould plates.

STRACK NORMA split moulds offer the following advantages:

1. Free fall of injection moulded parts
No inclined bolts, no disturbing jaw guiding attachments constituting a hindrance to the free fall of the injection moulded parts.

2. Solid locking
Jaw locking plate H1B of monobloc design - Material 1.2312.

3. Largest possible working area
Length of jaws equal to the outside dimensions of mould plates.

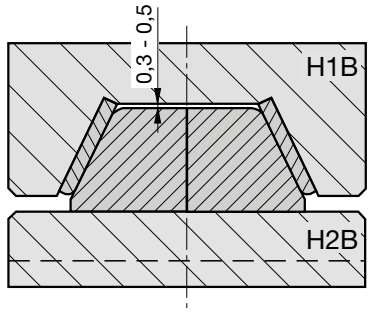
4. Optimal tempering possibility
No disturbing bores for inclined bolts.
Fixation of jaw guide by means of just one single centering bush with screw.
Jaw guide partially without surface hardening for the provision of cooling bores and additional centering pins.

5. Optimal correction facility
In case of deformation due to hardening and wear in all planes by the way of
- jaw guides attached to the face end of split moulds
- jaw guide and bottom grip.

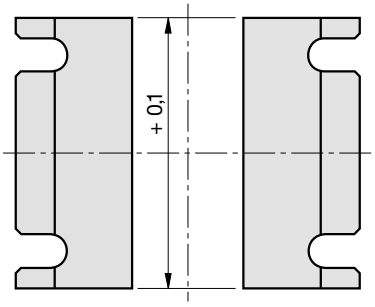
6. Pressure pads and jaw guide hardened.

7. Overdimensioning of jaw cross-section (see Fig. 1)
The jaws are supplied with overdimensioned cross-section to permit correction after hardening. The clearance between the upper edge of mould jaw and the lower edge of jaw locking plate (H1B) must be corrected accordingly. Correction of clearance is possible by grinding the jaws at the jaw parting line or incline, or of the pressure pads.

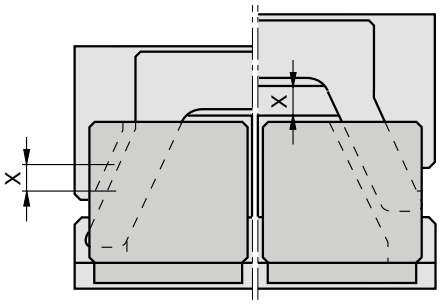
8. Interchangeability of all components
All components within the kit may be reordered separately. The components are so dimensioned that adaptation to the existing mould is ensured.
Jaw length + 0.1 mm (see Fig. 2)
Jaw cross-section (see Fig. 1).



1



2



3

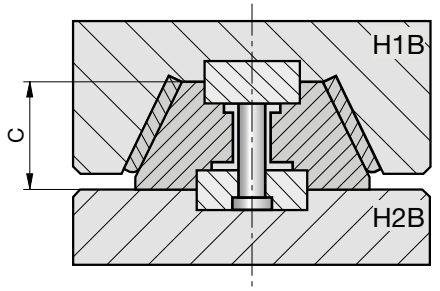
Some notes regarding the design

1. Delayed opening of jaws as standard (see Fig. 3)
The jaws of the mould will not open until the unlocking bar with the opening stroke (dimension "X") of the injection mould makes contact with the jaw guide

B 1616 = 10 mm delay
B 2020 = 10 mm delay
B 2525 = 10 mm delay
B 3030 = 10 mm delay

2. Compensation of jaw height (see Fig. 4)
The jaw height dimension "C" can be adapted to the height of injection moulded part. For this purpose, an insert must be fitted in the tapered plate (H1B) or in the jaw base plate (H2B).

3. Nitriding of jaw base plate
Because of the wear to be expected we recommend having the jaw base plate H2B nitrided after finish machining (see heat treatment 1.2312).



4

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Information française



Kit de moules à tiroirs 1012–3030

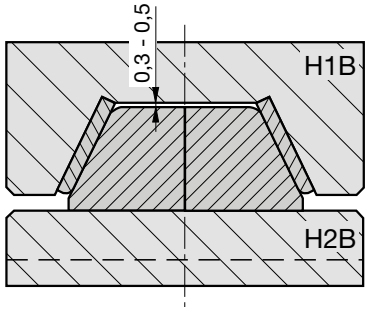
Le kit est l'élément de base de chaque moule à tiroirs. En association avec d'autres plaques n'importe quelle structure de moule peut être obtenue.

Les moules à tiroirs STRACK NORMA présentent les avantages suivants:

1. Chute libre des pièces injectées
Absence de doigts obliques, absence de guidage de tiroirs superposés qui freinent la chute libre des piéces injectées

2. Fermeture massive
Plaque de fermeture en une piéce des moules à tiroirs H1B - matière 1.2312.

3. Surface de travail maximale
La longueur du moule à tiroir est égale à la dimension extérieure des plaques porte-empreintes.

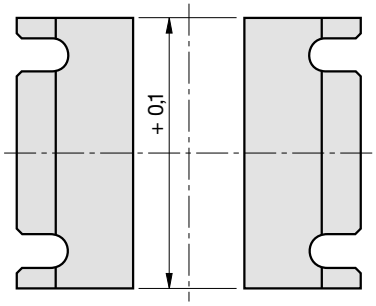


1

4. Aptitude optimale de refroidissement de la température
Absence de perçages contraignants pour les doigts obliques. Fixation du guidage des moules à tiroirs exclusivement par une douille de centrage dotée d'une vis. Guidage des moules à tiroirs partiellement non trempé en surface pour le perçage de trous de refroidissement et de goujons de centrage additionnels.

5. Possibilités de correction optimales
En cas de gauchissement due à la trempe et d'usure sur tous les plans par
- guidages des moules à tiroirs fixés du côté frontal des moules à tiroirs.
- guidages et poignée inférieure séparés.

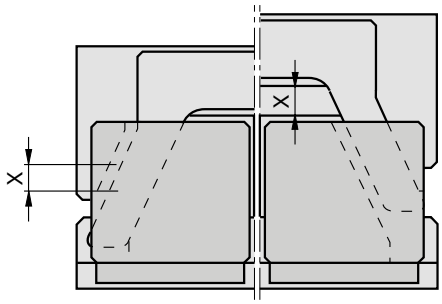
6. Listels de pression et guidage des tiroirs trempés.



2

7. Cote excédentaire dans la section du tiroir (cf. figure 1)
Afin de permettre la correction des cotes après la trempe, les tiroirs sont livrés avec un excédent en section. Corriger le jeu entre l'arête supérieure des tiroirs des moules (H1B). Le jeu peut être corrigé par rectification des empreintes mobiles dans la surface de séparation entre les empreintes, de l'obiquité des empreintes ou des listels de pression.

8. Possibilité de remplacement de tous les éléments
Toutes les pièces constitutives du kit peuvent être commandées individuellement.
Les dimensions des pièces sont telles qu'elles peuvent toujours être adaptées au moule.
Longueur de l'empreinte + 0,1 mm (cf. figure 2)
Section de l'empreinte (cf, figure 1)

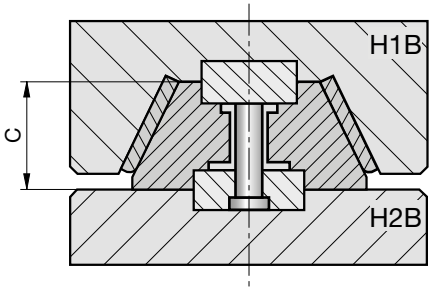


3

Remarques d'assemblage

1. Retard d'ouverture de l'empreinte (cf. figure 3)
Les empreintes du moule ne s'ouvrent que lorsque la came de déblocage atteint après la course d'ouverture (cote X) le bord opposé de guidage du tiroir.

B 1616 = retard de10 mm
B 2020 = retard de10 mm
B 2525 = retard de10 mm
B 3030 = retard de10 mm



4

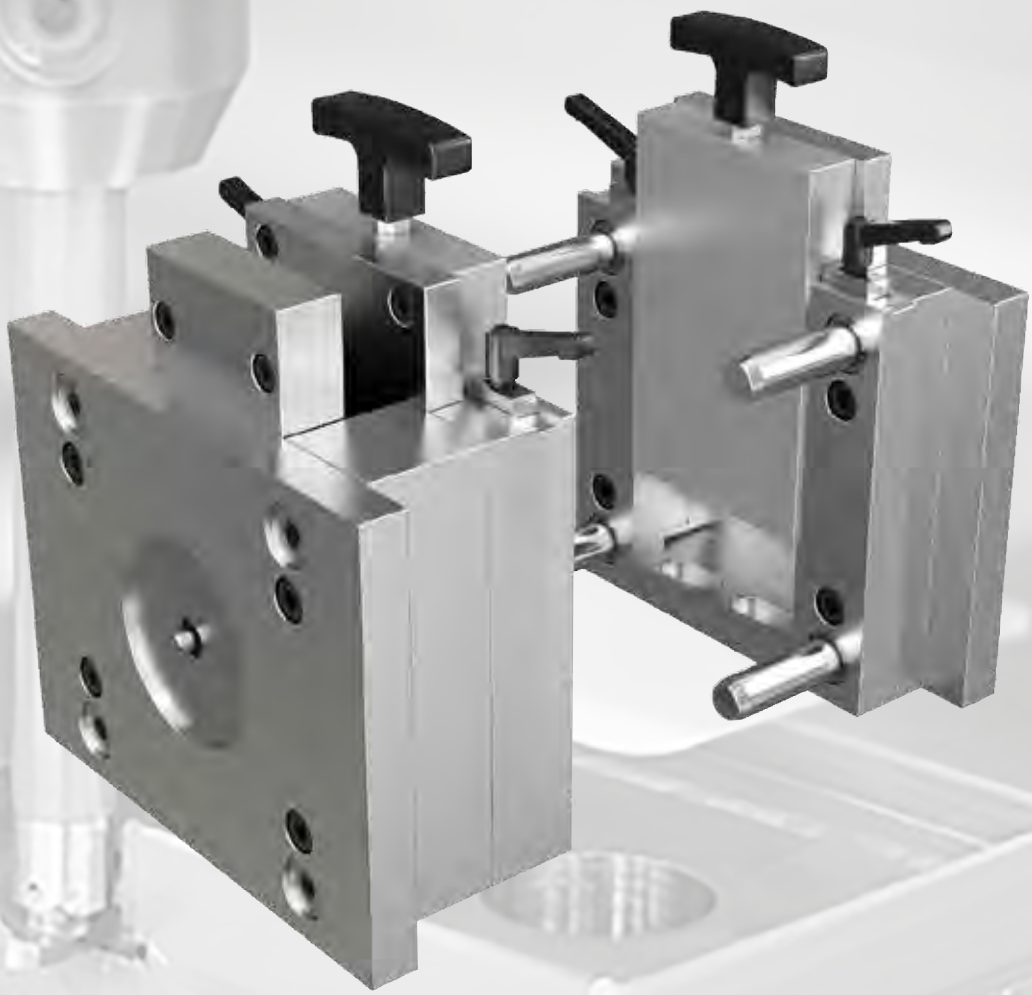
2. Compensation de la hauteur d'empreinte (cf. figure 4)
La hauteur d'empreinte (cote C) peut être adaptée à la hauteur de la pièce injectée.
A cet effet un insert est placé dans la plaque de fermeture (H1B) ou dans la plaque de base d'empreinte (H2B).

3. Nitruation de la plaque de base d'empreinte
En raison de l'usure, nous conseillons de nitrurer la plaque de base d'empreinte (H2B) en fonction des travaux de finition (cf. traitement thermique 1.2312)

KASSETTENFORMEN

CARTRIDGES MOULDS

MOULES A CASSETTES



STRACK®

NORMALIEN

Schnellwechselsystem „B" Typ Kassette

Rahmenleisten gehärtet
Einsätze weich mit Aufmaß. Auswerferplattensatz mit Schnellwechselkupplung.

Klemmstück B10 imStandardaufbau enthalten, alternativ ist B12 verwendbar.

Quick change system "B" cartridge type

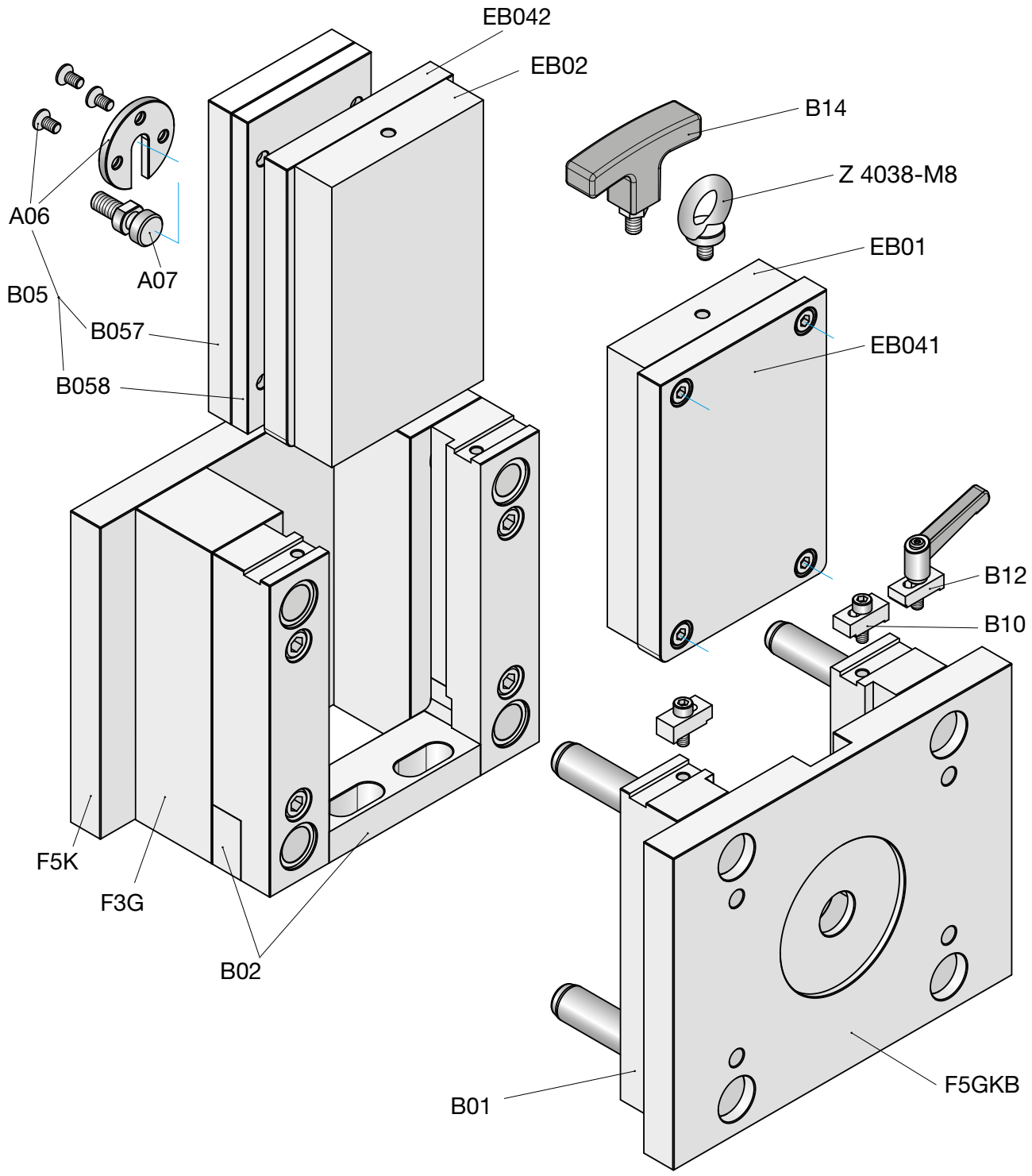
Box terminal hardened.
Inserts soft with allowance. Ejector plate assembly with quick-change coupling.

Clamping piece B10 is included in the standard version, alternatively B12 can be used.

Moules à cassettes «B» pour changements rapides

Montants du cadre trempées.
Eléments interchangeables doux avec surépaisseur. Jeu de plaques d'éjedtion avec accouplement rapide.

Elément de serrage B10 compris dans la construction standard, B12 étant utilisable comme alternative.



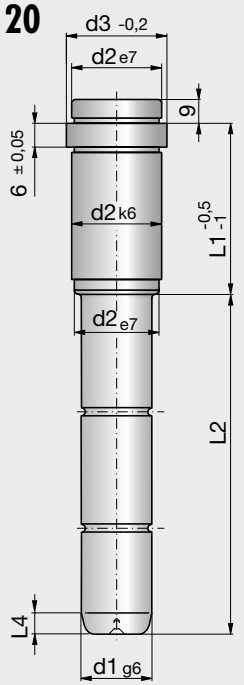
Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

Zubehör für Kassettenformen
siehe Buch 2 / Kapitel 1

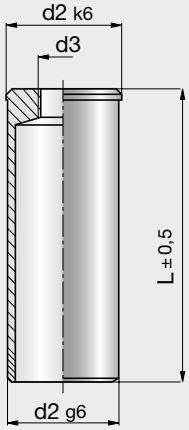
Accessories for cartridge moulds
see book 2 / chapter 1

Accessories pour moules à casettes
voir livre 2 / chapitre 1

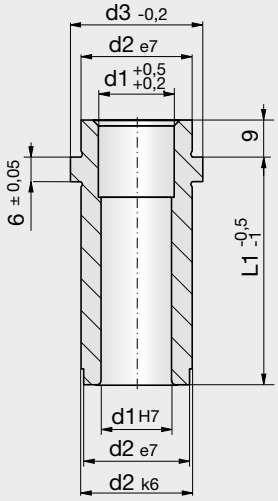
W 20



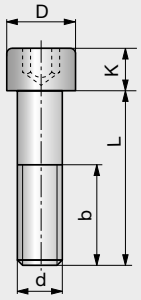
W 30



W 31

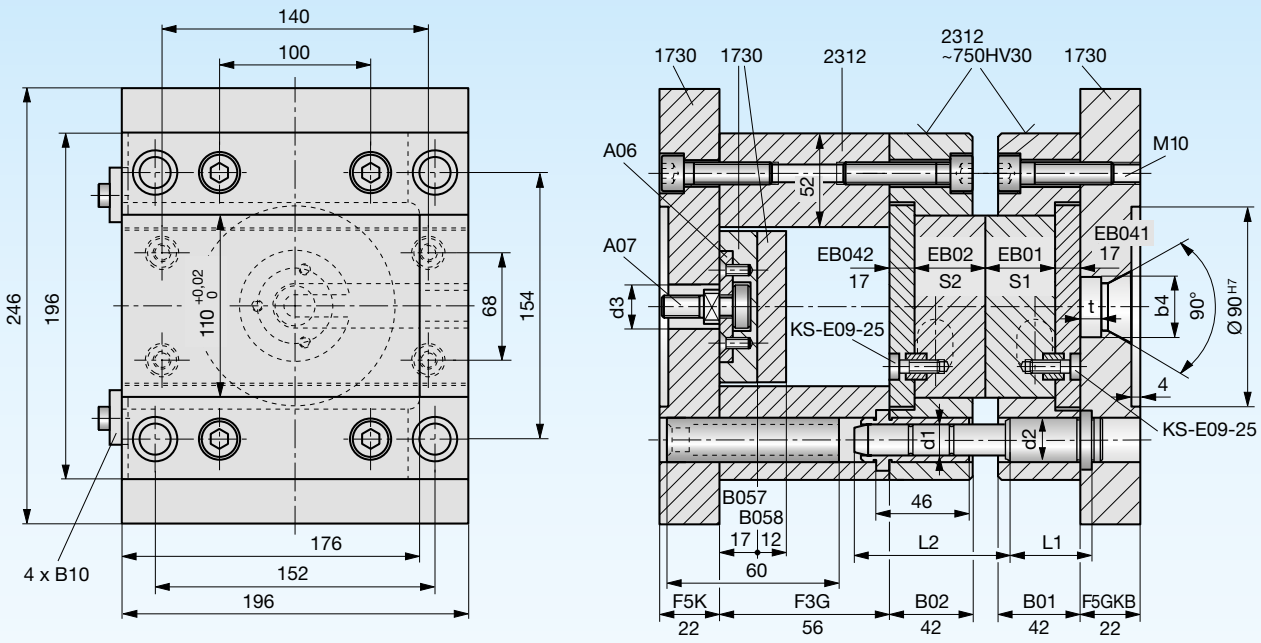


SN 3500



Kassettenformen / Cartridges moulds / Moules à cassettes
KSB 2020
KSB 2225
KSB 2530
KSB 3035

Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

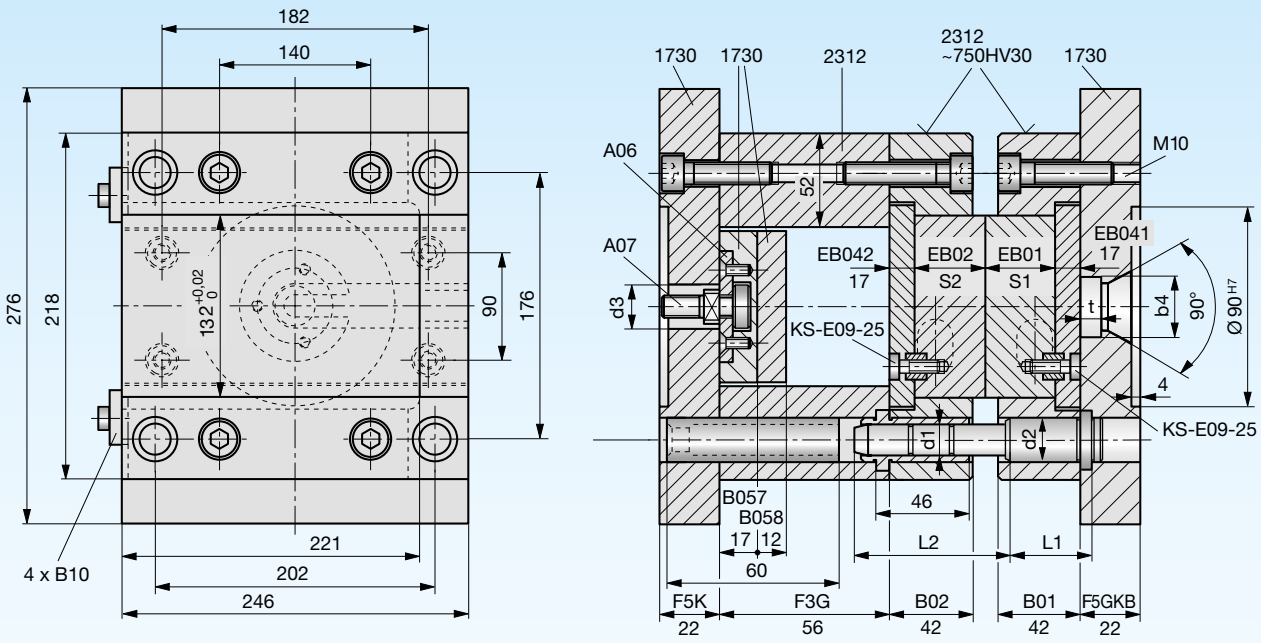


KSB 2020-

KSB 2020-
EB01-EB02-Mat.

EB01 S1	EB02 S2	Mat. EB01/EB02	A07	L1	L2 (S1)	d1	d2	d3	b4	t
27	27	2311/	M10	46	45 (27)	18/20	26	20	29	13
36	36	2343/	M10	46	65 (36)	18/20	26	20	29	13
46	46	2767/	M10	46	85 (46)	18/20	26	20	29	13
		3.4365								

Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

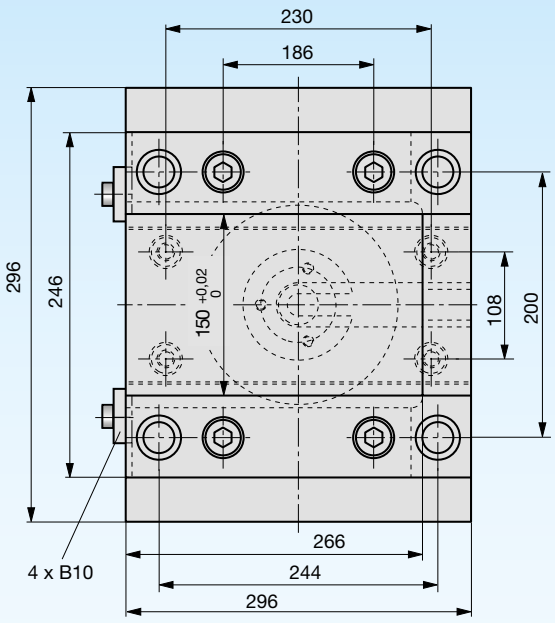


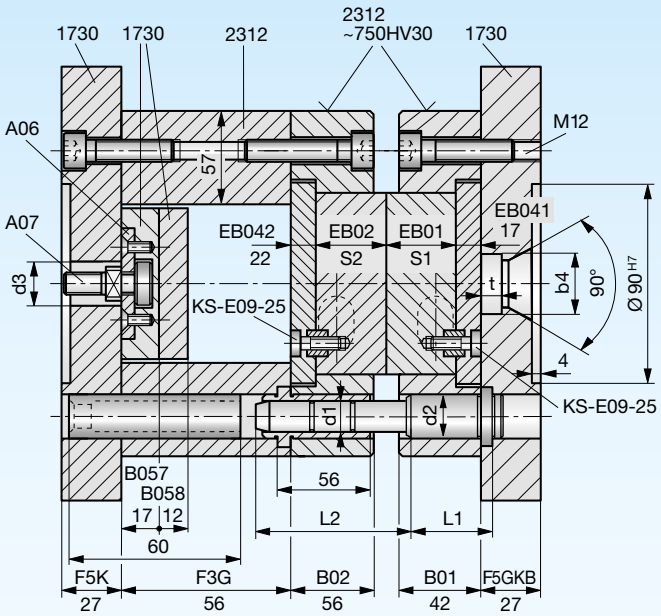
KSB 2225-

KSB 2225-
EB01-EB02-Mat.

EB01 S1	EB02 S2	Mat. EB01/EB02	A07	L1	L2 (S1)	d1	d2	d3	b4	t
27	27	2311/	M10	46	45 (27)	18/20	26	20	29	13
36	36	2343/	M10	46	65 (36)	18/20	26	20	29	13
46	46	2767/	M10	46	85 (46)	18/20	26	20	29	13
		3.4365								

Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»



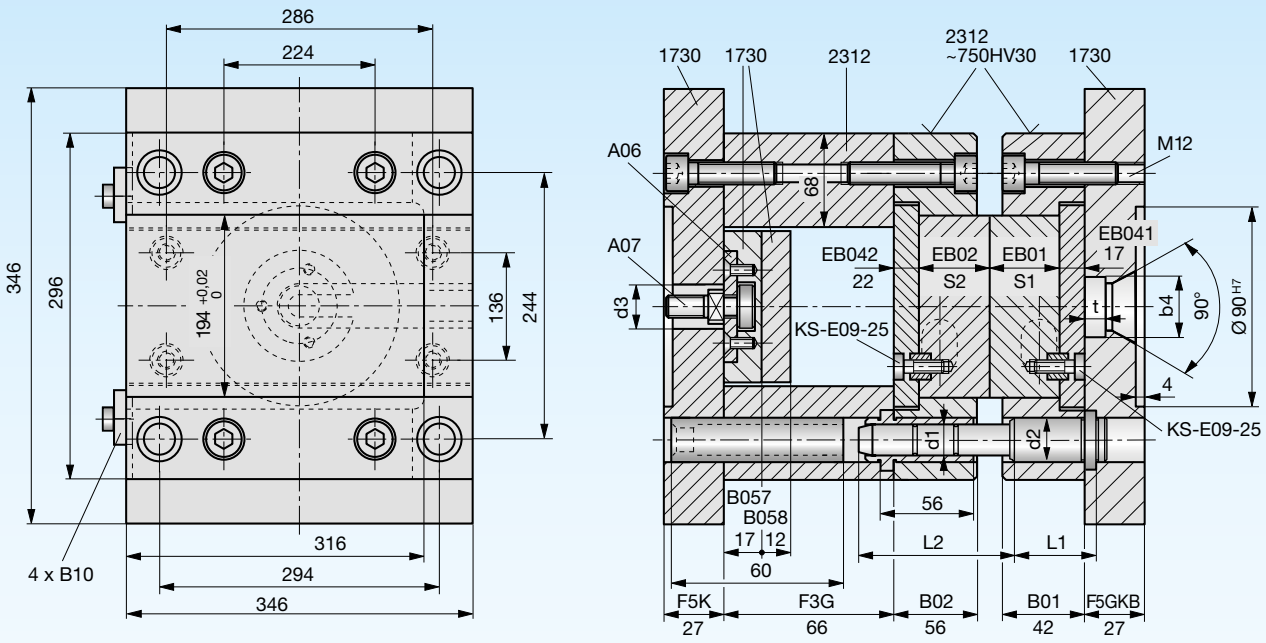


KSB 2530-

KSB 2530-
EB01-EB02-Mat.

EB01 S1	EB02 S2	Mat. EB01/EB02	A07	L1	L2 (S1)	d1	d2	d3	b4	t
27	36	2311/	M12	46	45 (27)	22/24	30	20	39	18
36	46	2343/	M12	46	65 (36)	22/24	30	20	39	18
46	46	2767/	M12	46	85 (46)	22/24	30	20	39	18
		3.4365								

Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

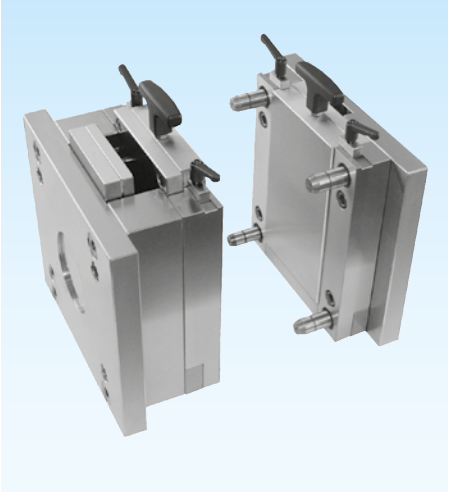


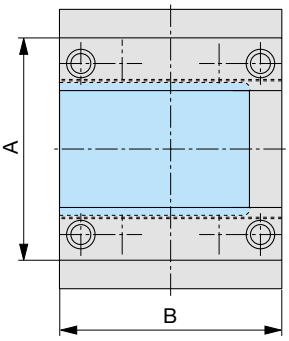
KSB 3035-

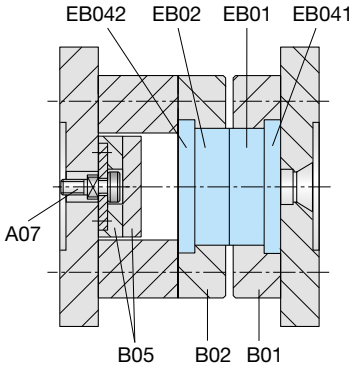
KSB 3035-
EB01-EB02-Mat.

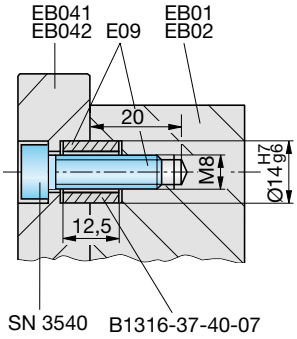
EB01 S1	EB02 S2	Mat. EB01/EB02	A07	L1	L2 (S1)	d1	d2	d3	b4	t
27	36	2311/	M12	46	45 (27)	22/24	30	20	39	18
36	46	2343/	M12	46	65 (36)	22/24	30	20	39	18
46	46	2767/	M12	46	85 (46)	22/24	30	20	39	18
		3.4365								

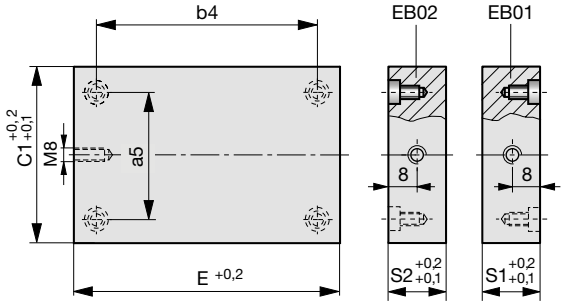
Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»







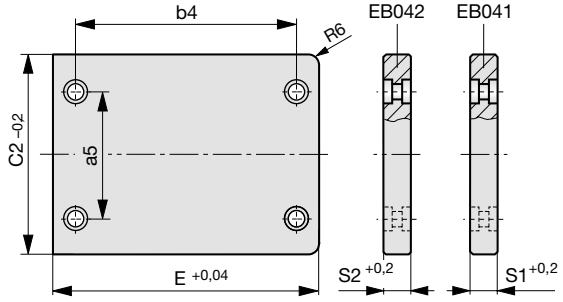




KSB

AB-Type-S1-Mat.
AB-Type-S2-Mat.

AB	Type	S1	S2	Mat.	C1	E	a5	b4
2020	EB01/EB02	27/36/46	27/36/46	2311/	110	176	90	152
2225			27/36/46	2343/	132	221	112	197
2530			36	2767/	150	266	130	242
3035			46	3.4365	194	316	174	292

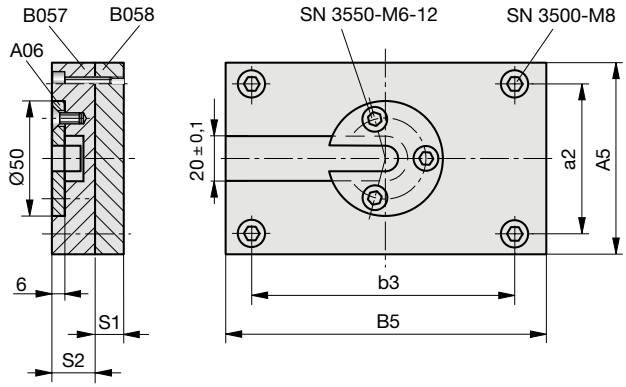


KSB

AB-Type-S1
AB-Type-S2

AB	Type	S1	S2	Mat.	A	B	C2	E
2020	EB041/EB042	17	17	2312	196	196	121	176
2225			17		218	246	143	221
2530			22		246	296	161	266
3035			22		296	346	205	316

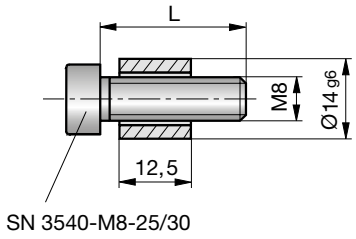
Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»



KSB

AB-Type

AB	Type	A5	B5	M	S1	S2	a2	b3
2020	B05	90	196	M8	12	17	68	140
2225		112	246	M8	12	17	90	182
2530		130	296	M8	12	17	108	230
3035		158	346	M8	17	22	136	286

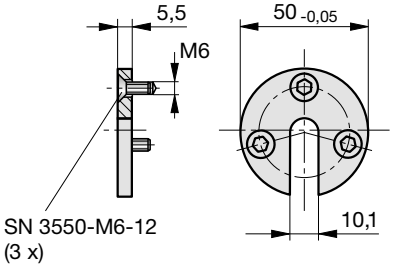


KS-

Mat.: 1.2162
~ 58HRC

KS-Type-L

Type	L
E09	25
	30

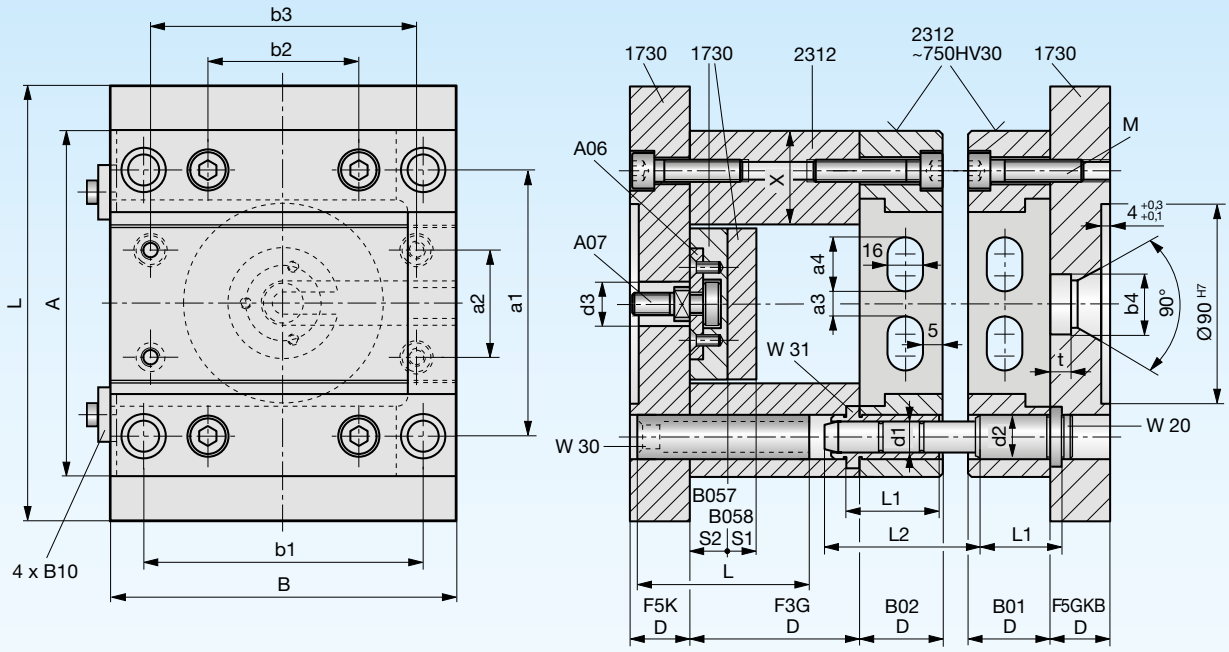


KS-A06

Mat.: 1.7131

KS-A06

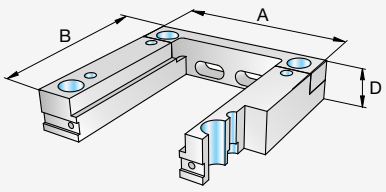
Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

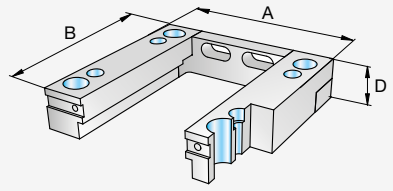


KSB

AB-Type-...-...-Mat.

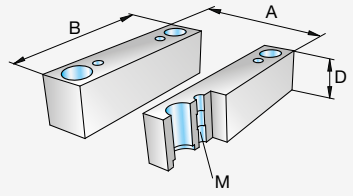
	a3	a4	d3
2020	14	36	20
2225	16	43	20
2530	16	52	20
3035	16	74	20

AB-Type-D-Mat.	AB	Type	D	Mat.	A	B	a1	b1	b2	d2
	2020	B01	42	2312	196	196	154	152	100	26
	2225				218	246	176	202	140	26
	2530				246	296	200	244	186	30
	3035				296	346	244	294	224	30

AB-Type-D-Mat.	AB	Type	D	Mat.	A	B	a1	b1	b2	d2
	2020	B02	42	2312	196	196	154	152	100	26
	2225		42		218	246	176	202	140	26
	2530		56		246	296	200	244	186	30
	3035		56		296	346	244	294	224	30

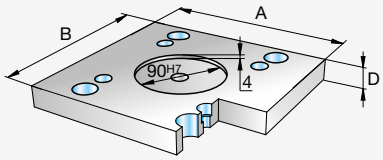
Kassettenformen „B" | Cartridges moulds "B" | Moules à cassettes «B»

AB-Type-D-Mat.



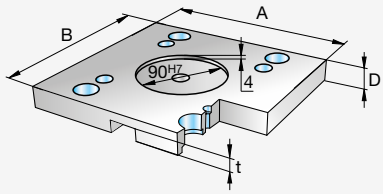
AB	Type	D	Mat.	A	B	X	M	a1	b1	b2	d2
2020	F3G	46/	2312	196	196	52	10	154	152	100	26
2225		56/		218	246	52	10	176	202	140	26
		66/									
		76									
2530		56/		246	296	57	12	200	244	186	30
3035		66/		296	346	68	12	244	294	224	30
		76									

AB-Type-D-Mat



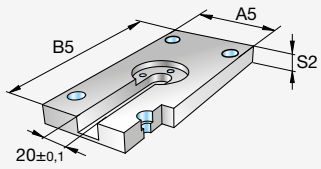
AB	Type	D	Mat.	A	B	L	a1	b1	b2	d2
2020	F5K	22/	1730/	196	196	246	154	152	100	26
2225		27	2312	218	246	276	176	202	140	26
2530				246	296	296	200	244	186	30
3035				296	346	346	244	294	224	30

AB-Type-D-t-Mat.



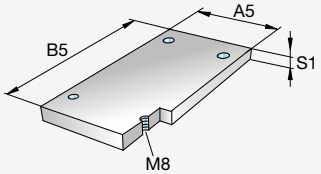
AB	Type	D	t	Mat.	A	B	L	b4 (t)	a1	b1	b2	d2
2020	F5GKB	22/	0/	1730/	196	196	246	0 (0)/	154	152	100	26
2225		27	13/	2312	218	246	276	29(13)/	176	202	140	26
2530			18		246	296	296	39(18)	200	244	186	30
3035					296	346	346		244	294	224	30

AB-Type-S2-Mat.



AB	Type	S2	Mat.	A	B	A5	B5	a2	b3
2020	B057	17	1730	196	196	90	196	68	140
2225		17		218	246	112	246	90	182
2530		17		246	296	130	296	108	230
3035		22		296	346	158	346	136	286

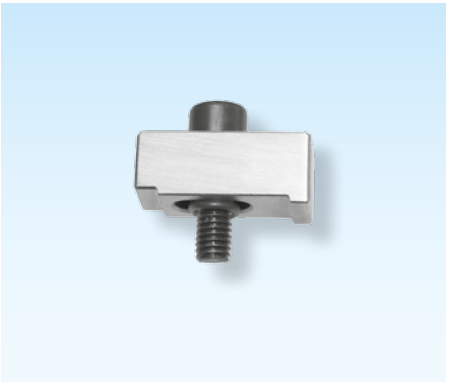
AB-Type-S1-Mat.

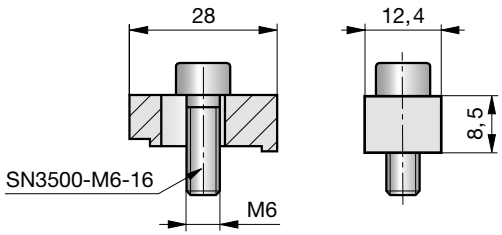


AB	Type	S1	Mat.	A	B	A5	B5	a2	b3
2020	B058	12	1730	196	196	90	196	68	140
2225		12		218	246	112	246	90	182
2530		12		246	296	130	296	108	230
3035		17		296	346	158	346	136	286

D 3001 09.2017

Klemmstück | Clamping device | Dispositif de serrage





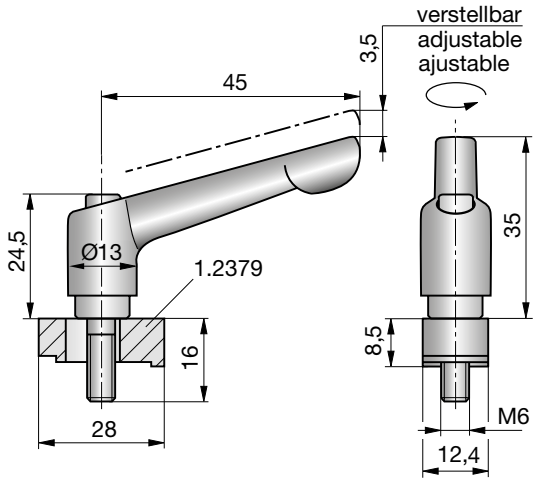
KS-B10

Mat.: 1.2379

KS-B10

Spanneinheit | Clamping unit | Unité de serrage



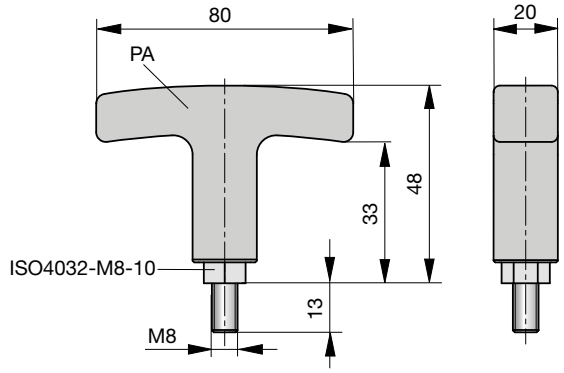


KS-B12

KS-B12

T-Griff | T-handle | T-manette

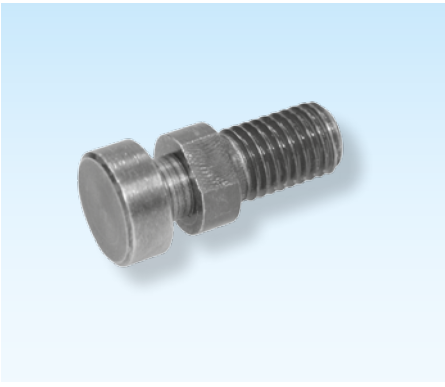


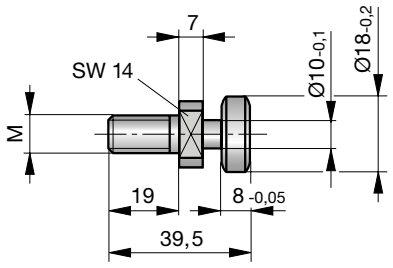


KS-B14

KS-B14

Kupplungsschraube | Coupling screw | Vis de couplage





KS-

Mat.: 1.7131

KS-Type-M

Type	M
A07	M10
	M12

Ringschrauben | Ring bolts | Anneaux vissables de levage

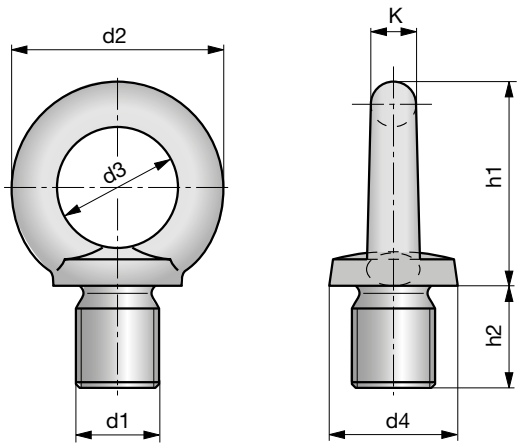


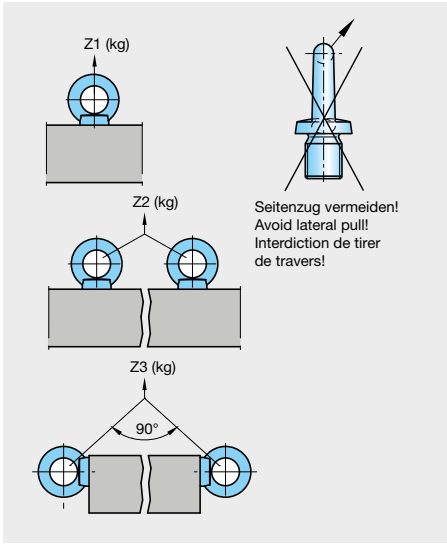
Z 4038-

DIN 580

CE

Z 4038-d1





d1	d2	d3	d4	h1	h2	K	Z1 max (kg)	Z2 max (kg)	Z3 max (kg)
M8	36	20	20	36	13,0	8	140	100	70

AUSZUG: *Komplette Abmessungen siehe Buch 2, Seite 2.2.125*
EXTRACT: *Complete dimensions see book 2, page 2.2.125*
EXTRAIT: *Dimensions complètes voir livre 2, page 2.2.125*

Ringschrauben nach dieser Norm dienen vornehmlich als Lastaufnahmemittel zur dauerhaften Befestigung an Bauteilen wie Motoren, Schaltschränken, Getrieben usw. zu deren Transport. Für die wechselnde Benutzung an verschiedenen zu transportierenden Gegenständen, wie z. B. Großwerkzeugen, müssen Ringschrauben mit dem nächst größeren Gewindedurchmesser verwendet werden. Bei Anwendung mit mehrsträngigen Anschlagmitteln sind die Regeln z. B. nach DIN EN 818-4 zu beachten.

Die Tragfähigkeitsangaben in der Tabelle gelten nur, wenn
- die Ringschraube bei ausreichender Gewindetiefe vollständig eingedreht ist.
- die Ringschraube eben und vollflächig auf der Auflagefläche aufliegt.
- die Ringschraube vor Gebrauch auf festen Sitz und augenfällige Beschädigungen (Korrosion, Verformung) überprüft wurde.

Ringschrauben mit Verformungen nicht weiter benutzen und nicht wieder einschrauben!
Eine nachträgliche farbliche Kennzeichnung der Ringschrauben (insbesondere in rot) ist zu vermeiden, um Verwechslungen mit hochfesten Anschlagpunkten zu verhindern.

Ring bolts according to this norm serve principally as load carrying device for the lasting fixing of components like engines, electrical cabinets, gears and so on, for their transport. Ring bolts with the next larger diameter have to be used for the alternating use with different articles which have to be transported, like for example big tools. Concerning the utilization of multiple strings slinging means, the rules, for example, according to DIN EN 818-4, have to be considered.

The indications concerning the load capacity in the schedule only apply
- if the ring bolt with sufficient thread depth is completely screwed in.
- if the ring bolt bears even and with its full circumference on the bearing surface.
- if the ring bolt has been checked on straight seat and obvious damages (corrosion, deformation).

Ring bolts with deformations may not be used further or screwed in again!
A later coloured marking of the ring bolt (particularly in red) must be avoided to prevent confusions with high-strength sling points.

Les anneaux vissables de levage selon cette norme servent surtout du moyen de suspension de la charge pour la fixation durable auprès des éléments comme des moteurs, des armoires électriques, des engrenages et cetera, pour leur transport. Les anneaux vissables de levage doivent être utilisés ave le diamètre supérieur pour l'utilisation alternante des articles qui doivent être transportés, par exemples des grands outils. Les règles par exemple selon EN 818-4 doivent être considérés auprès d'application des moyens d'accrochage multibrins.

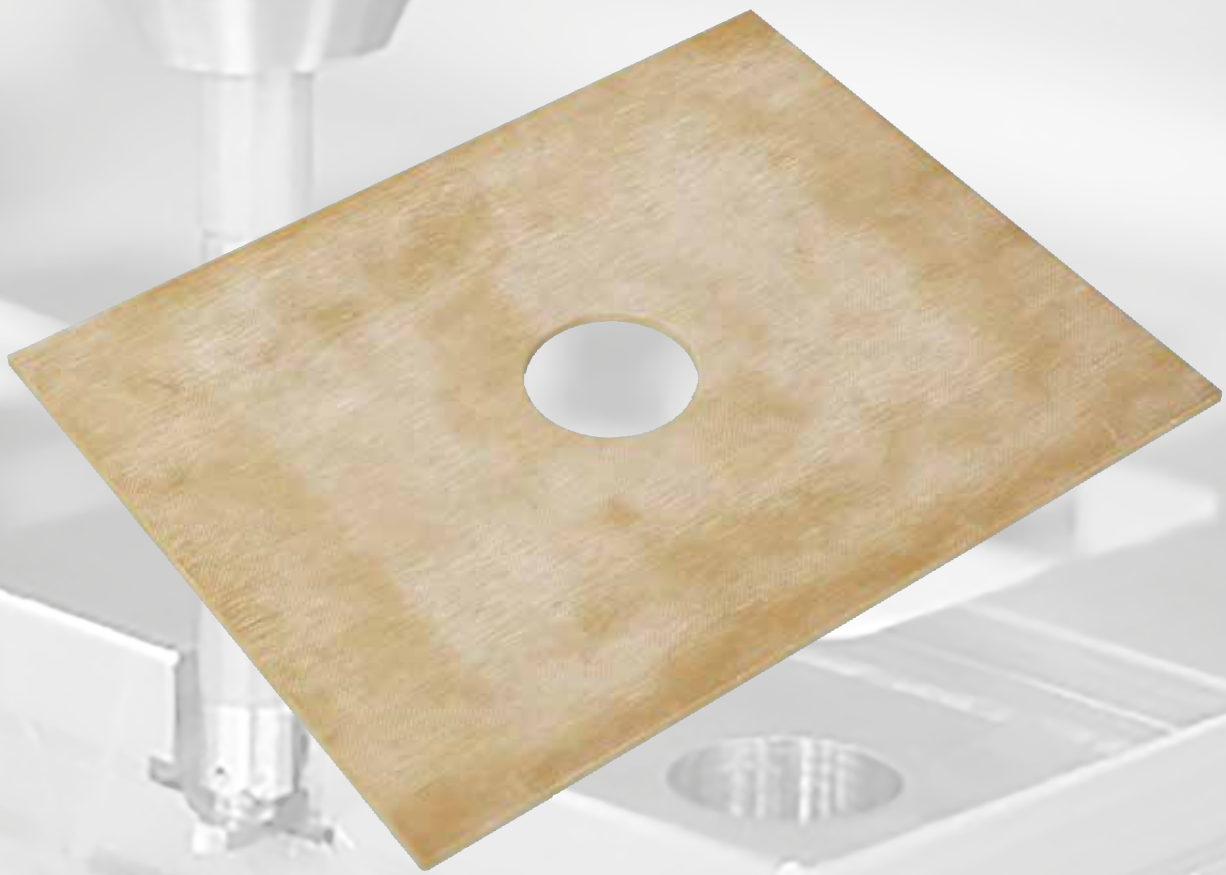
Les indications de puissance de levage valent seulement
- si l'anneau vissable de levage est complètement vissé à une profondeur de pas suffisante.
- si l'anneau vissable de levage appuie de manière plaine et entièrement sur la surface d'appui.
- avant l'usage contrôler les anneaux vissables de levage concernant le logement fixe et des endommagements (corrosion, déformation).

Ne pas utiliser les anneaux vissables de levage avec des déformations et ne pas les visser de nouveau!
Un marquage coloré ultérieure des anneaux vissables de levage (particulièrement en rouge) doit être évitée pour empêcher des confusions avec des points d'accroche à résistance élevée.

WÄRMEISOLIERPLATTEN

THERMAL INSULATING PLATES

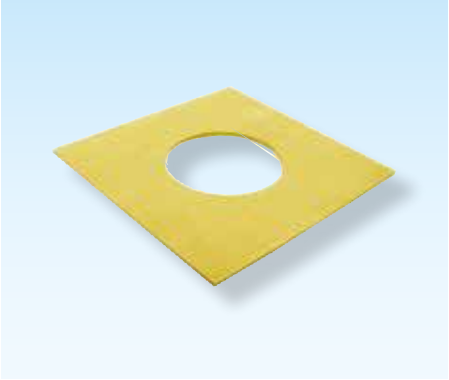
PLAQUES ISOLANTE



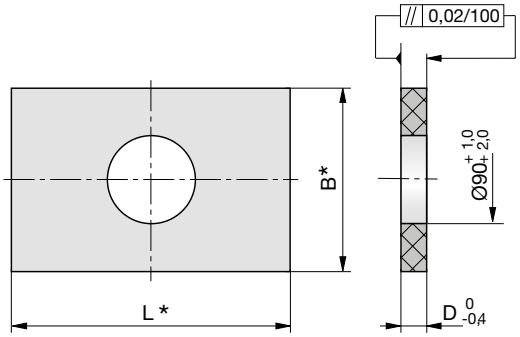
STRACK®

NORMALIEN

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante



* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



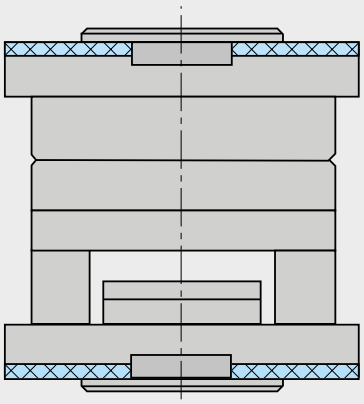
Z 7921- ~330 N/mm²

Z 7921-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

Other dimensions (for example **D** = 3, 5, 7 + 8.5 mm) can be delivered on request

Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



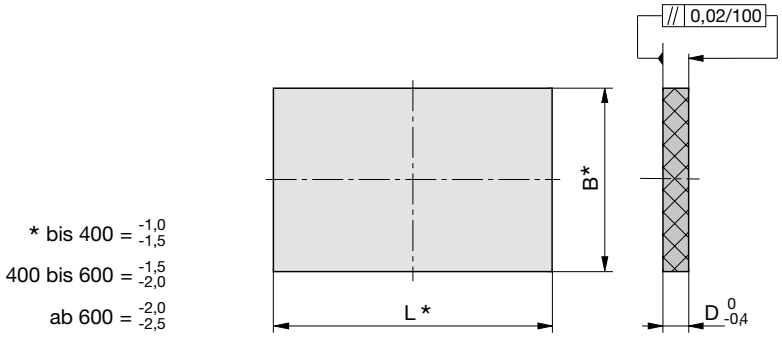
B	L	D
156	125	6
	130	
	156	
	196	
	208	
	246	
	296	
196	196	6
	208	
	246	
	296	
	346	
	396	
246	208	6
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
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646	696	8
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	996	
696	696	8
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796	796	8
	896	
	996	
896	896	8
	996	

D 3001 09.2017

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante





* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

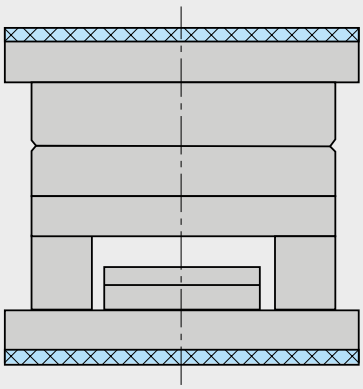
Z 7922- ~330 N/mm²

Z 7922-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

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Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande

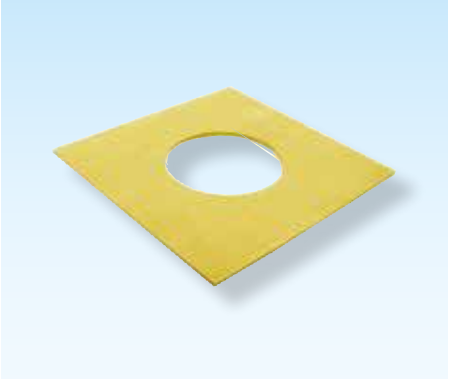


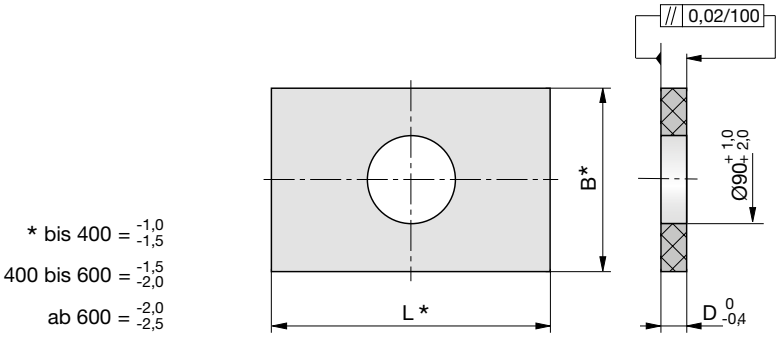
B	L	D
156	125	6
	130	
	156	
	196	
	208	
	246	
	296	
196	196	6
	208	
	246	
	296	
	346	
	396	
246	208	6
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
	696	
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646	696	8
	796	
	896	
	996	
696	696	8
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796	796	8
	896	
	996	
896	896	8
	996	

D 3001 09.2017

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante





* bis 400 = -1,0 / -1,5
400 bis 600 = -1,5 / -2,0
ab 600 = -2,0 / -2,5

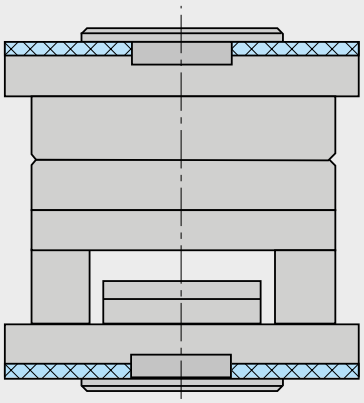
Z 7923- ~600 N/mm²

Z 7923-B-L

Andere Größen (z.B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

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Autres dimensions (par exemple **D** = 3, 5, 7 + 8,5 mm) peuvent être livrées sur demande



B	L	D
156	125	8
	130	
	156	
	196	
	208	
	246	
	296	
196	196	8
	208	
	246	
	296	
	346	
	396	
246	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
	696	
	796	
496	496	8
	546	
	596	
	696	
	796	
546	596	8
	696	
	796	
596	596	8
	646	
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646	696	8
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796	796	8
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	996	
896	896	8
	996	

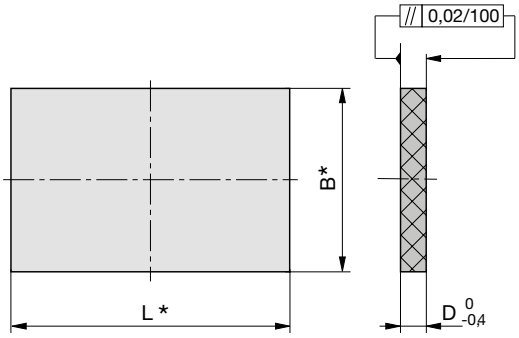
D 3001 09.2017

STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

Wärmeisolierplatten | Thermal insulating plates | Plaques isolante



* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$



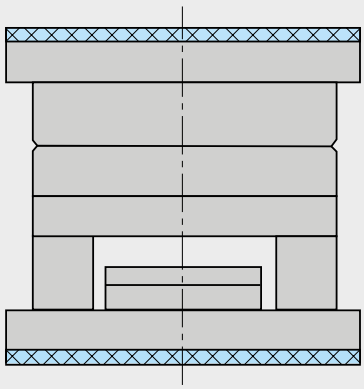
Z 7924- ~600 N/mm²

Z 7924-B-L

Andere Größen (z. B. **D** = 3, 5, 7 + 8,5 mm) auf Anfrage lieferbar

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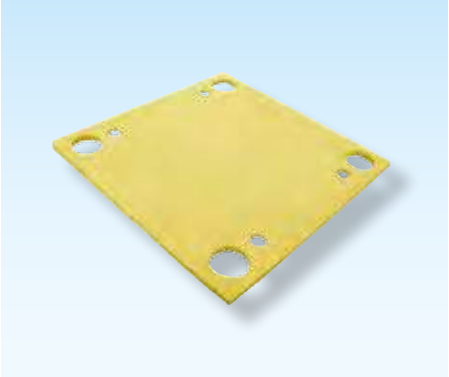


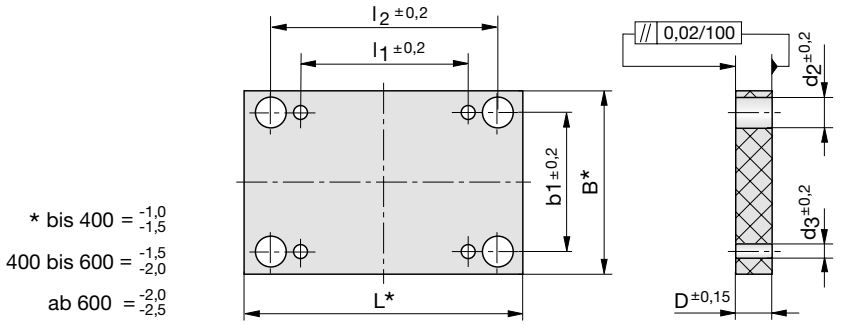
B	L	D
156	125	8
	130	
	156	
	196	
	208	
	246	
	296	
196	196	8
	208	
	246	
	296	
	346	
	396	
246	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
296	208	8
	218	
	260	
	296	
	346	
	396	
	446	
	496	
	596	
346	346	8
	396	
	446	
	496	
	546	
	596	
	696	
396	218	8
	396	
	446	

B	L	D
396	496	8
	546	
	596	
	696	
	796	
446	446	8
	496	
	546	
	596	
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	796	
496	496	8
	546	
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546	596	8
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796	796	8
	896	
	996	
896	896	8
	996	

D 3001 09.2017

Wärmeisolierplatten | Thermal insulating plates | Plaques Isolante





* bis 400 = $^{-1,0}_{-1,5}$
400 bis 600 = $^{-1,5}_{-2,0}$
ab 600 = $^{-2,0}_{-2,5}$

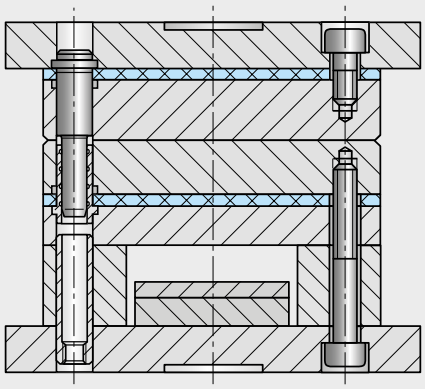
Z 7925- ~600 N/mm²

Z 7925-B-L

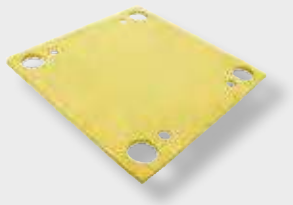
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B	L	D	l1	l2	b1	d2	d3
125	156	6	70	130	99	18,5	8,5
156	156		62	114	114	24,5	11,0
	196		102	154	114	24,5	11,0
	246		152	204	114	24,5	11,0
	296		202	254	114	24,5	11,0
196	196	6	102	154	154	24,5	11,0
	246		152	204	154	28,5	11,0
	296		202	254	154	28,5	11,0
	346		252	304	154	28,5	11,0
	396		302	354	154	28,5	11,0
218	246	6	152	204	176	28,5	11,0
	296		202	254	176	28,5	11,0
246	246	8	134	194	194	34,5	13,0
	296		184	244	194	34,5	13,0
	346		234	294	194	34,5	13,0
	396		284	344	194	34,5	13,0
	446		334	394	194	34,5	13,0
	496		384	444	194	34,5	13,0
296	296	8	184	244	244	34,5	13,0
	346		234	294	244	34,5	13,0
	396		284	344	244	34,5	13,0
	446		334	394	244	34,5	13,0
	496		384	444	244	34,5	13,0
	596		484	544	244	34,5	13,0
346	346	8	230	294	294	34,5	17,0
	396		280	344	294	34,5	17,0
	446		330	394	294	34,5	17,0
	496		380	444	294	34,5	17,0
	546		430	494	294	34,5	17,0
	596		480	544	294	34,5	17,0
	696		580	644	294	34,5	17,0

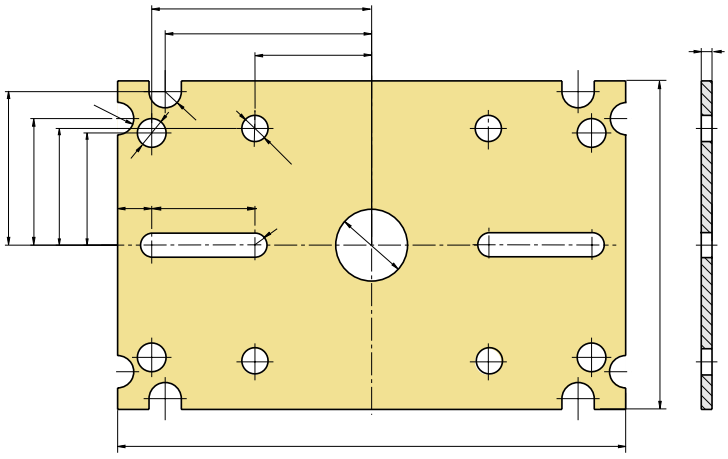


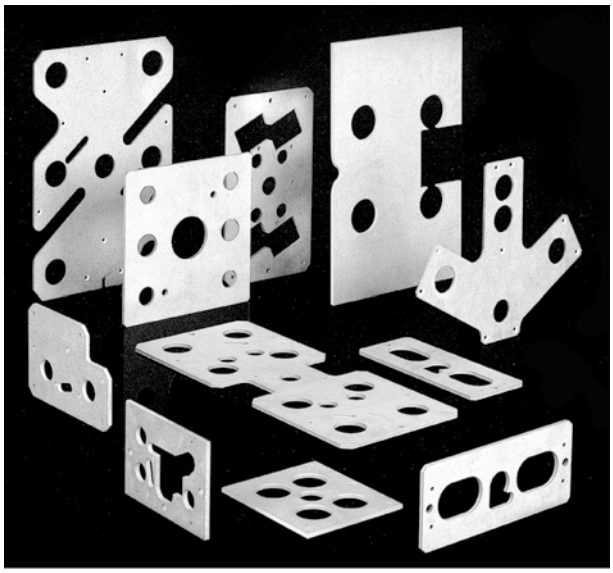
B	L	D	a1	a2	b	d2	d3
396	396	10	230	230	324	42,5	17,0
	446		280	280	374	42,5	17,0
	496		330	330	424	42,5	17,0
	596		430	430	524	42,5	17,0
	696		530	530	624	42,5	17,0
	796		630	630	724	42,5	17,0
446	446	10	280	374	374	42,5	17,0
	496		330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
496	496	10	330	424	424	42,5	17,0
	596		430	524	524	42,5	17,0
	696		530	624	624	42,5	17,0
	796		630	724	724	42,5	17,0
596	596	10	406	516	516	50,5	21,0
	696		506	616	616	50,5	21,0
	796		606	716	716	50,5	21,0

Alle Wärmeisolierplatten auf Anfrage auch mit zusätzlicher Bearbeitung lieferbar

On request all thermal insulating plates can also be delivered with an additional treatment

Sur demande toutes les plaques isolantes peuvent être livrées avec un traitement supplémentaire





Wärmeisolierplatten asbestfrei

Wärmeisolierplatten aus den nachstehend aufgeführten STRACK NORM Qualitäten sind asbestfrei und von hoher Strukturfestigkeit. Ihr Basismaterial besteht aus modifizierten duroplastischen Harzen, die u. a. mit Glasgeweben und mit aktiven Füllstoffen verstärkt sind.

Thermal Insulating Plates asbestos free

STRACK NORM Thermal Insulating Plates are non asbestos. They are recommendable, where a high strength component, excellent thermal protection and dimensional stability are required. They are intimate blends of high grade inorganic reinforcement and outstanding thermosetting resins.

Plaques Isolante sans amiante

Les Plaques thermo-isolantes dans les qualités STRACK NORM mentionnées ci-dessous sont exemptes d'amiante et présentent une haute stabilité de structure. Elles sont composées de résines thermodurcissables modifiées, renforcées de tissus de verre et d'autres agents actifs de remplissage.

Bearbeitungshinweise

Eine Absaugvorrichtung ist bei der Bearbeitung von Wärmeisolierplatten zu empfehlen.
Für die Bearbeitung der Typen **Z 7921**, **Z 7922** **Z 7926** und **Z 7928** sind normale Bearbeitungswerkzeuge einzusetzen.
Bei den Typen **Z 7923**, **Z 7924** und **Z 7925** sind hartmetallbestückte Werkzeuge einzusetzen.

Working tips

An extractor fan is recommendable when working with thermal insulating plates.
Normal tools should be used on types **Z 7921**, **Z 7922**, **Z 7926 and Z 7928**.
Carbide-tipped tools should be used on types **Z 7923**, **Z 7924 and Z 7925**.

Remarques de traitement

Un dispositif d'aspiration est recommandé pour l'usinage de plaques calorifuges.
Pour le traitement des types **Z 7921**, **Z 7922**, **Z 7926** et **Z 7928** le recours à des outils de façonnage normaux suffit.
Pour les types **Z 7923**, **Z 7924** et **Z 7925** il est conseillé de recourir à des outils à mise de métal dur.

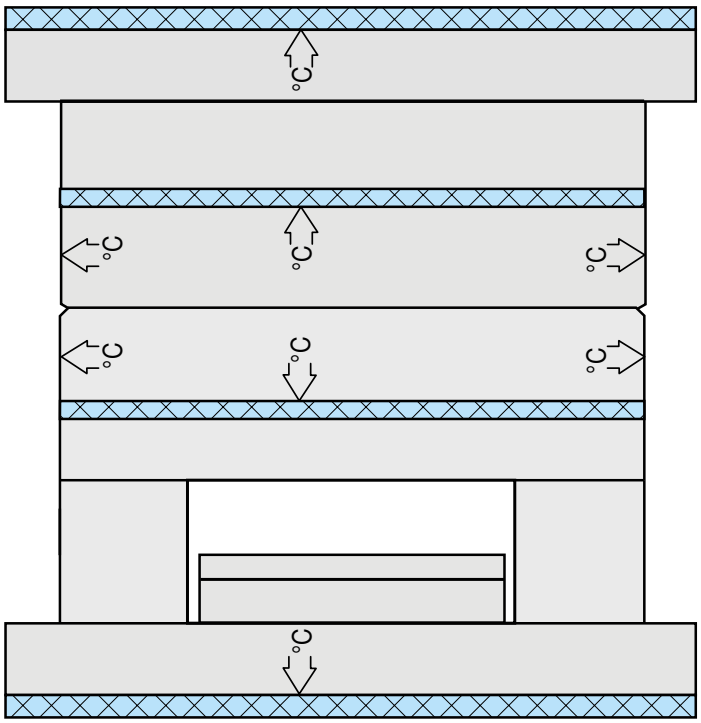
Technische Daten Technical data Caractéristiques techniques		Z 7921 Z 7922	Z 7923 Z 7924 Z 7925
Druckfestigkeit Compressive strength Résistance à la compression	N/mm^2 kp/cm^2	330 3300	600 6000
Einsatztemperatur max. Working temperature max. Température maximum d'utilisation	°C	230	220
Wärmeleitzahl Coefficient of thermal conductivity Température maximum d'utilisation	W/mK	0,3	0,3
Feuchtigkeitsaufnahme Moisture absorption Absorption d'humidité	24 h/%	0,8	0,3
Dichte Specific gravity Densité	g/cm^3	1,95	1,85
Lineare Wärmeausdehnung Absorption d'humidité Dilatation thermique linéaire	$10^{-5}/°C$	1,2	1,5
Planparallelität geschliffen Parallelism, ground Parallélisme après retification	mm/m	± 0,1	± 0,05
Abweichung von der Nennstärke Deviation from nominal gauges Ecart de l'épaisseur nominale	%	± 3	± 3 (1,5)

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Wärmeisolierplatten asbestfrei | Thermal Insulating Plates asbestos free | Plaques Isolante sans amiante

STRACK NORM	Werkstoff	Material	Matériau
Z 7921 Z 7922	Aus hochfester Glaswirrfaser, gebunden in hitzebeständigen duroplastischen Harzen.	Of high strength random glass fibres, bound in heat-resistant thermosetting resins.	En fibres de verre embrouillées, entourées de résines thermodurcissables résistantes à la chaleur.
Z 7923 Z 7924 Z 7925	Aus kompakt angeordneten, vorbehandelten Glasfeingeweben, gebunden mit hitzebeständigen, modifizierten duroplastischen Harzen.	Of compactly arranged, pretreated fine glass fabrics, bound with heat-resistant modified thermosetting resins.	En tissus fins en fibres de verre, prétraites, disposées de manière compacte, entourés de résines thermodurcissables résistantes à la chaleur.



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COMBI-SÄULENGESTELLE

COMBI-DIE SETS

COMBI-BLOCS A COLONNES



STRACK®

NORMALIEN

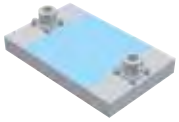


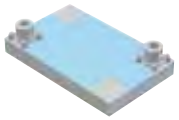
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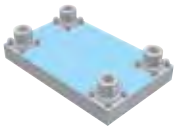


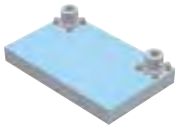
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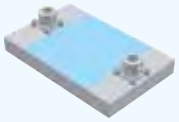

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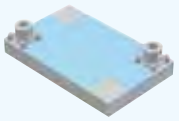

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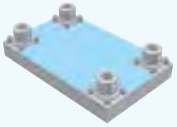

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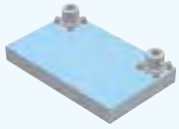

4.28




4.34


4.40


4.46

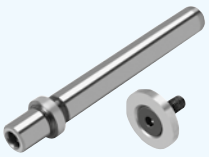

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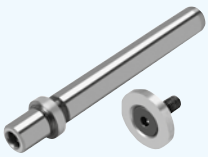
Führungselemente/Guide elements/Eléments de guidage 4.58



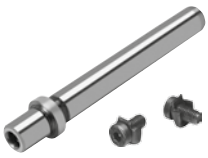
Führungselemente/Guide elements/Eléments de guidage 4.60



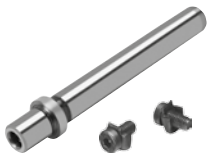
Führungselemente/Guide elements/Eléments de guidage 4.62



Führungselemente/Guide elements/Eléments de guidage 4.64



Führungselemente/Guide elements/Eléments de guidage 4.66



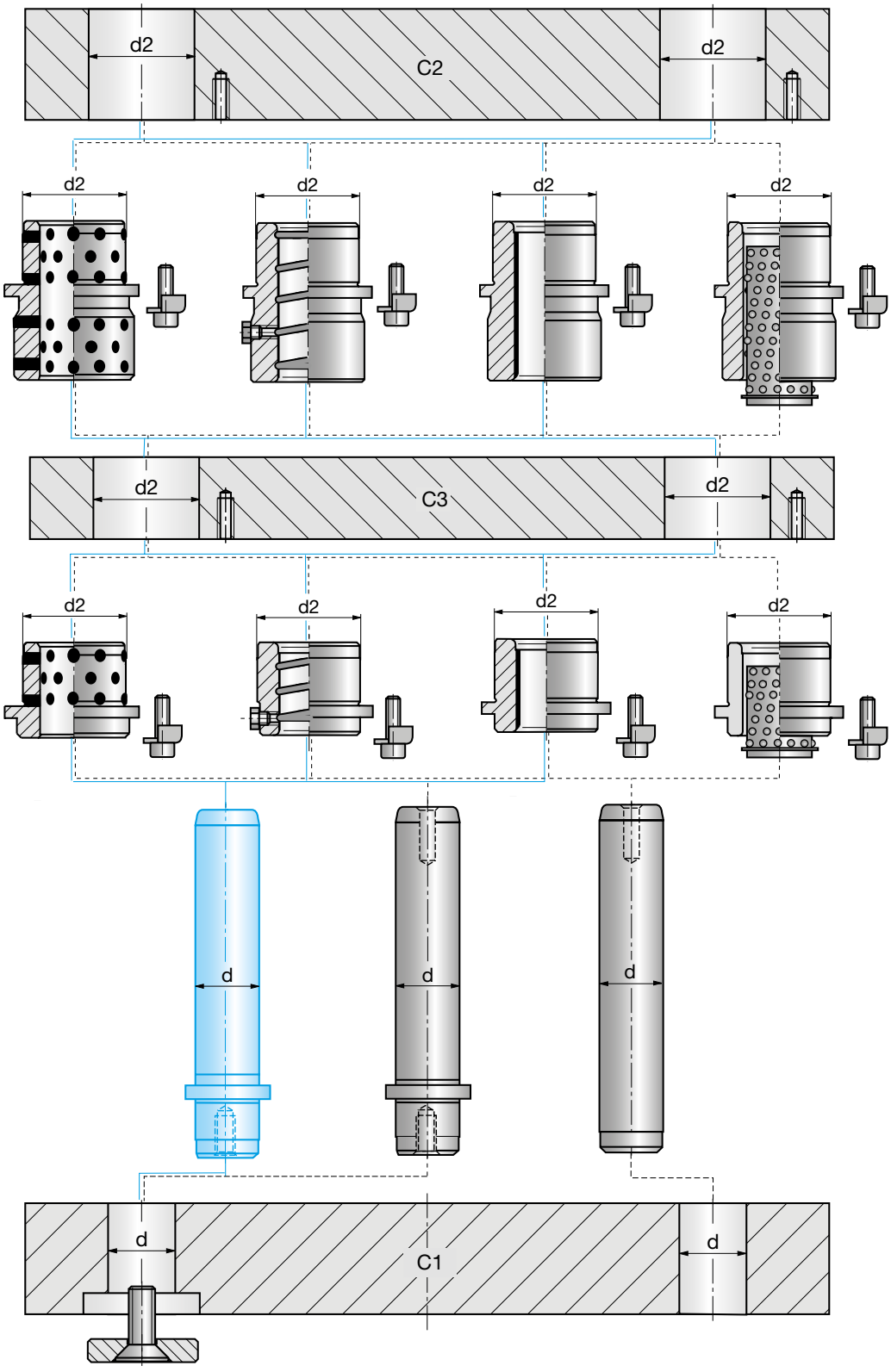
Führungselemente/Guide elements/Eléments de guidage 4.68


deutsch 4.74


english 4.76

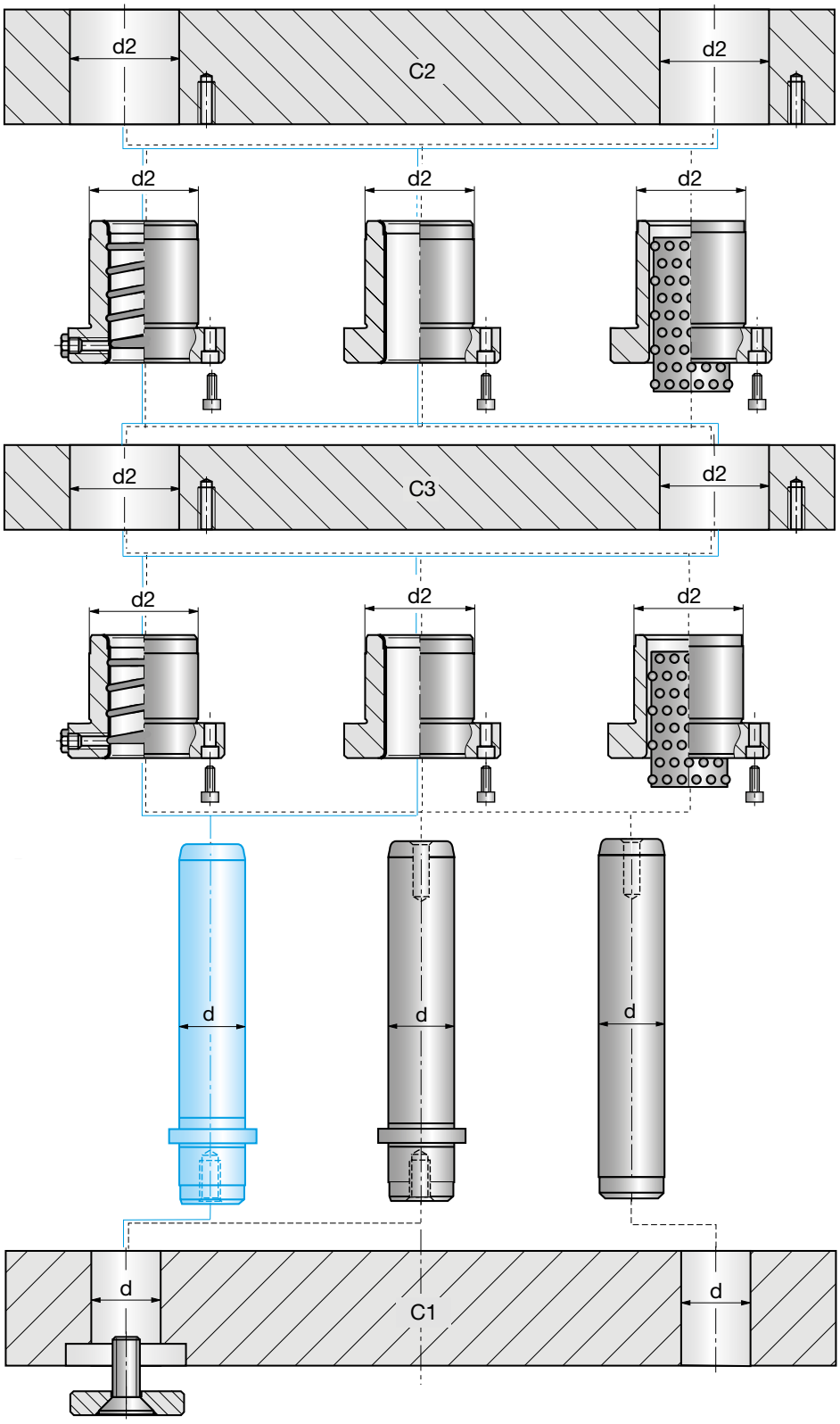

français 4.78

Einheitsbohrungen | Basic holes | Alésages identiques



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Einheitsbohrungen | Basic holes | Alésages identiques

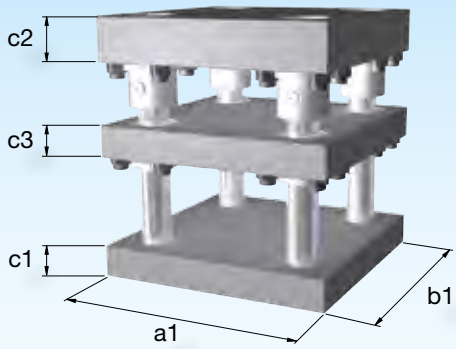


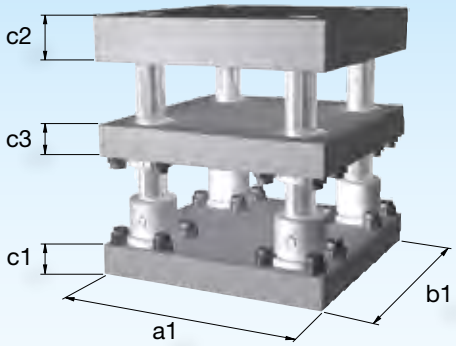
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Combi-Säulengestelle | Combi-die sets | Combi-blocs à colonnes

Größenübersicht | Size overvie | Enseble des dimensions





b1	a1	C1					C2					C3	
		27	37	47	57	67	27	37	47	57	67	27	37
156	156	x	x				x	x				x	
	196	x	x				x	x				x	
	246	x	x				x	x				x	
	311	x	x				x	x				x	
196	196	x	x				x	x				x	
	246	x	x				x	x				x	
	311	x	x				x	x				x	
	396	x	x				x	x				x	
	496	x	x	x			x	x	x			x	
	626		x	x				x	x			x	
246	246		x	x				x	x			x	
	311		x	x				x	x			x	
	396		x	x				x	x			x	
	496		x	x				x	x			x	
	626			x	x				x	x		x	
	706			x	x				x	x		x	
311	311		x	x				x	x			x	
	396		x	x				x	x			x	
	496			x	x				x	x		x	
	626			x	x				x	x		x	
	706			x	x				x	x		x	
	796			x	x				x	x		x	
396	396			x	x				x	x			x
	496			x	x				x	x			x
	626				x	x				x	x		x
	706				x	x				x	x		x
	796				x	x				x	x		x
496	496				x	x				x	x		x
	626				x	x				x	x		x
	706				x	x				x	x		x
	796				x	x				x	x		x
626	626				x	x				x	x		x
	706				x	x				x	x		x
	796				x	x				x	x		x

D 3001 09.2017

Combi-Säulengestelle | Combi-die sets | Combi-blocs à colonnes

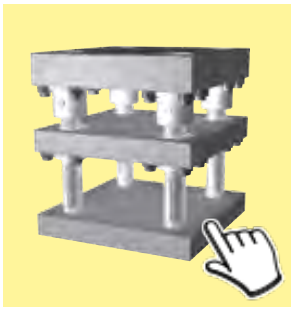
Auswahlhilfe | Selection guide | Guide desélection

Beispielstückliste / Example part list / Liste des pièces des exemples			
	Artikelbezeichnung / Article / Désignation de l'article	**Stck**	
1.1	SG-65-C1-246-196-37-1.1730	1	Gestellplatte / Die set plate / Plaque de bloc à colonnes
1.2	SG-6-C2-246-196-37-1.1730	1	Gestellplatte / Die set plate / Plaque de bloc à colonnes
1.3	SN1769-24-40-B	1	Führungsbuchse/ Guide bushe / Bague de guidage
1.4	SN1769-25-40-B	1	Führungsbuchse/ Guide bushe / Bague de guidage
1.5	SN4321-24-200	1	Führungssäule / Guide pillar / Colonne de guidage
1.6	SN4321-25-200	1	Führungssäule / Guide pillar / Colonne de guidage
1.7	SN3500-M5-16	8	Zylinderschraube / Cylinder screws / Vis 6 pans creux
1.8	SN1707-32-8	2	Haltescheibe / Retaining ring / Rodelle de fixation

Kombinieren Sie in **4** Schritten aus einer großen Anzahl von **STRACK** Führungselementen und Gestellplatten Ihr individuelles Säulengestell.

Im **1.** Schritt bestimmen Sie, ob die Säulen in der Grund- oder Kopfplatte montiert werden sollen. (Seiten 8 und 9)
Im **2.** Schritt definieren Sie die Art der Arbeitsfläche, die Anzahl der Gestellplatten, den Typ der Führungselemente und deren Befestigungsart.
Weiter auf der sich durch Ihre Auswahl ergebenen Seite.
Im **3.** Schritt legen Sie die Plattenabmaße und somit die resultierenden Parameter, wie z.B. die Größe der Arbeitsfläche und die Führungsdurchmesser fest.
Die Seitenangabe unter der Abbildung der Führungselemente leitet Sie zu den passenden Führungselementen.
Im **4.** Schritt definieren Sie die sich durch Ihre Auswahl ergebenen Führungselemente.

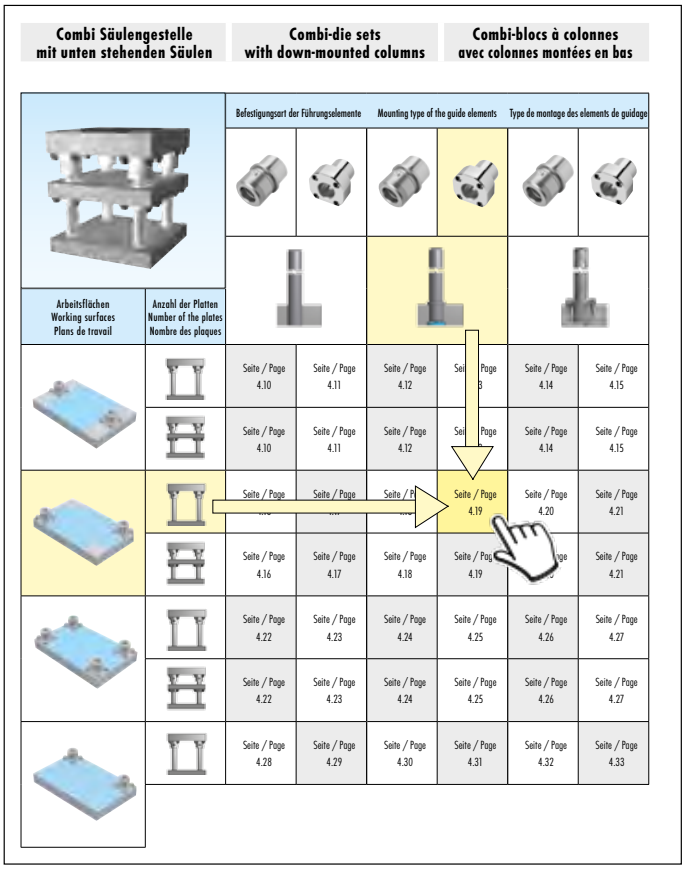
1.





Combine your individual die set in four steps out of a great number of **STRACK** guide elements and die set plates.
In the **first** step determine whether the columns should be mounted in the base plate or the top plate (pages 8 and 9).
In the **second** step define the kind of the work surface, the number of the die set plates, the type of the guide elements and their mounting type.
Continue with the page resulting from your selection.
In the **third** step you determine the plate dimensions and thus the resulting parameters, like for example the size of the working surface and the guide diameter.
The page reference under the illustration "guide elements" will lead you to the suitable guide elements.
In the **fourth** step you define the guide elements resulting from your selection.

2.



Combinez votre bloc à colonne individuel en quatre pas du grand nombre des **STRACK** élements de guidages et des plaques de bloc à colonnes.
Dans un **premier** pas déterminez si les colonnes doivent être montées dans la plaque de base ou la plaque de tête.
Dans un **deuxiéme** pas définissez la mode du plan de travail, le nombre des plaques de bloc à colonnes, le type des éléments de guidage et leur type de montage.
Continuez avec la page résultante de votre sélection.
Dans un **troisième** pas vous déterminez les dimensions des plaques et par conséquent les paramètres résultants, par exemple la grandeur du plan de travail et le diamètre de guidage.
L'indication de la page sous l'image « élements de guidage » vous amène aux élements de guidage appropriées.
Dans un **quatrième** pas vous définez les éléments de guidage résultants de votre sélection.

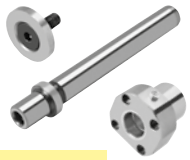
Combi-Säulengestelle | Combi-die sets | Combi-blocs à colonnes

Auswahlhilfe | Selection guide | Guide desélection

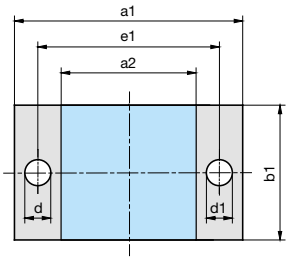
3.

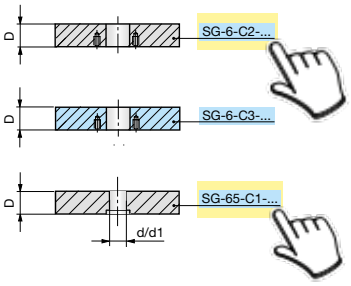
Combi Säulengestelle mit unten stehenden Säulen | **Combi die sets with down-mounted columns** | **Combi blocs à colonnes avec colonnes montées en bas**

Auswahl Gestellplatten | **Selection die set plates** | **Sélection des plaques de bloc à colonnes**



siehe Seite / see page / voir page 4.40





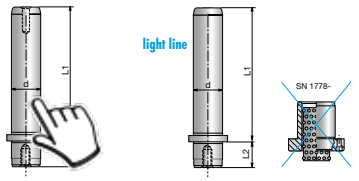
SG-65-C1-a1-b1-D-Mat

Mat.: 1.1730/C45W

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-65-C1/ SG-6-C2/ SG-6-C3	156	156	37	37	27	58	100	19	20
		196	37	37	27	98	140	19	20
		246	37	37	27	148	190	19	20
		311	37	37	27	213	255	19	20
	196	196	37	37	27	84	132	24	25
		246	37	37	27	134	182	24	25
		311	37	37	27	199	247	24	25
		396	37	37	27	284	332	24	25

4.

Führungssäulen mit Bund und Halteschieben | **Guide pillars with collar and retaining plates** | **Colonnes de guidage avec épaulement et rondelles de fixation**



SN 4321- Mat.: 1.0503/63 +2HRC DIN 9825-4/150 9182-5 — SN 4321-d-L1

SN 4322- Mat.: 1.0503/63 +2HRC DIN 9825-4/150 9182-5 — SN 4322-d-L1

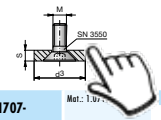
d	L1	L2
19/20	100	23
	112	23
	125	23
	140	23
	160	23
	180	23
	200	23

d	L1	L2
24/25	100	30
	112	30
	125	30
	140	30
	160	30
	180	30
	200	30
	224	30
	250	30

d	L1	L2
30/32	112	37
	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37

d	L1	L2
38/40	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37
	355	37

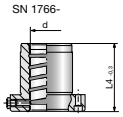
d	L1	L2
48/50	140	47
	160	47
	180	47
	200	47
	224	47
	250	47
	280	47
	315	47
	355	47
	400	47

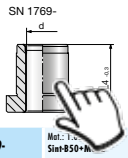


SN 1707- Mat.: 1.0... — SN 1707-d3-M

d3	M	d	S
25	M8	19/20	5,5
32	M8	24/25	5,5
40	M8	30/32	7,5
50	M8	38/40	9,5

Führungsbuchsen mit Flansch | **Guide bushes with flange** | **Bagues de guidage avec collerette**



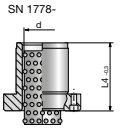


SN 1766- Mat.: 1.1740 52 +2HRC+CuSn12 — SN 1766-d-L4-T

SN 1769- Mat.: 1.... Sint-B50+Ni... — SN 1769-d-L4-T

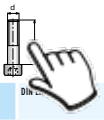
a) siehe Seite / see page / voir page Info 1.153 Info 1.159 Info 1.165
T = B = Standard

d	L4	d	L4	d	L4	d	L4	d	L4	T a)
19/20	35	24/25	40	30/32	50	38/40	60	48/50	80	A/B/C
	50		60		75		85		100	A/B/C



SN 1778- Mat.: 1.3505 63+2HRC+CuZn40 — SN 1778-d-L4

d	L4	d	L4	d	L4	d	L4	d	L4
19/20	38	24/25	40	30/32	47	38/40	56	48/50	66
	51		60		70		80		90



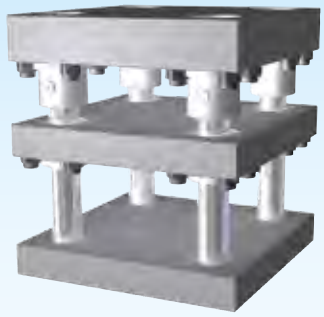
SN 3500- DIN L... — SN 3500-d-L

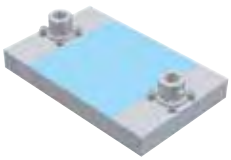
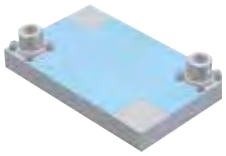
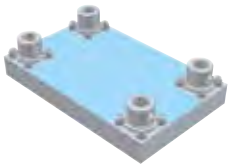
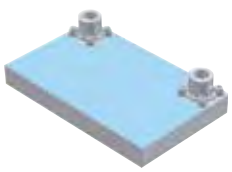
d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4	d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4
M4	12	19/20	35	38	M6	25	38/40	60	56
	25		50	51		40		85	80
M5	16	24/25	40	40	M8	35	48/50	80	66
	25		60	60		45		100	90
	16	30/32	50	47					
	30		75	70					

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

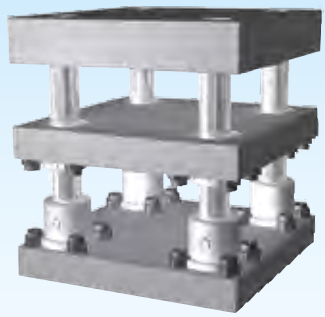


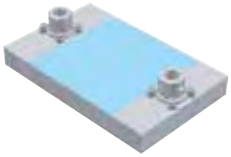
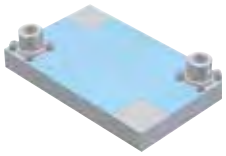
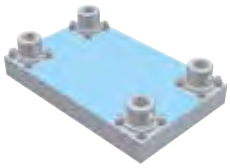
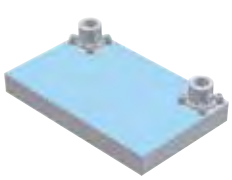
Arbeitsflächen Working surfaces Plans de travail	Anzahl der Platten Number of the plates Nombre des plaques	Befestigungsart der Führungselemente		Mounting type of the guide elements		Type de montage des elements de guidage	
							
							
		Seite / Page 4.10	Seite / Page 4.11	Seite / Page 4.12	Seite / Page 4.13	Seite / Page 4.14	Seite / Page 4.15
		Seite / Page 4.10	Seite / Page 4.11	Seite / Page 4.12	Seite / Page 4.13	Seite / Page 4.14	Seite / Page 4.15
		Seite / Page 4.16	Seite / Page 4.17	Seite / Page 4.18	Seite / Page 4.19	Seite / Page 4.20	Seite / Page 4.21
		Seite / Page 4.16	Seite / Page 4.17	Seite / Page 4.18	Seite / Page 4.19	Seite / Page 4.20	Seite / Page 4.21
		Seite / Page 4.22	Seite / Page 4.23	Seite / Page 4.24	Seite / Page 4.25	Seite / Page 4.26	Seite / Page 4.27
		Seite / Page 4.22	Seite / Page 4.23	Seite / Page 4.24	Seite / Page 4.25	Seite / Page 4.26	Seite / Page 4.27
		Seite / Page 4.28	Seite / Page 4.29	Seite / Page 4.30	Seite / Page 4.31	Seite / Page 4.32	Seite / Page 4.33

Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut



Arbeitsflächen Working surfaces Plans de travail	Anzahl der Platten Number of the plates Nombre des plaques	Befestigungsart der Führungselemente Mounting type of the guide elements Type de montage des elements de guidage					
							
							
		Seite / Page 4.34	Seite / Page 4.35	Seite / Page 4.36	Seite / Page 4.37	Seite / Page 4.38	Seite / Page 4.39
		Seite / Page 4.34	Seite / Page 4.35	Seite / Page 4.36	Seite / Page 4.37	Seite / Page 4.38	Seite / Page 4.39
		Seite / Page 4.40	Seite / Page 4.41	Seite / Page 4.42	Seite / Page 4.43	Seite / Page 4.44	Seite / Page 4.45
		Seite / Page 4.40	Seite / Page 4.41	Seite / Page 4.42	Seite / Page 4.43	Seite / Page 4.44	Seite / Page 4.45
		Seite / Page 4.46	Seite / Page 4.47	Seite / Page 4.48	Seite / Page 4.49	Seite / Page 4.50	Seite / Page 4.51
		Seite / Page 4.46	Seite / Page 4.47	Seite / Page 4.48	Seite / Page 4.49	Seite / Page 4.50	Seite / Page 4.51
		Seite / Page 4.52	Seite / Page 4.53	Seite / Page 4.54	Seite / Page 4.55	Seite / Page 4.56	Seite / Page 4.57

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

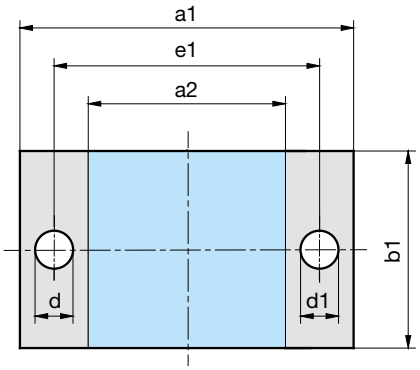
Auswahl Gestellplatten

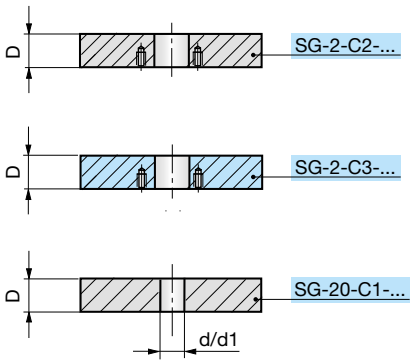
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
voir page





SG-20-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-20-C1/ SG-2-C2/ SG-2-C3	156	156	27 / 37	27 / 37	27	48	100	19	20
		196	27 / 37	27 / 37	27	88	140	19	20
		246	27 / 37	27 / 37	27	138	190	19	20
		311	27 / 37	27 / 37	27	203	255	19	20
	196	196	27 / 37	27 / 37	27	74	132	24	25
		246	27 / 37	27 / 37	27	124	182	24	25
		311	27 / 37	27 / 37	27	189	247	24	25
		396	27 / 37	27 / 37	27	274	332	24	25
		496	37 / 47	37 / 47	27	360	424	30	32
		626	37 / 47	37 / 47	27	490	554	30	32
	246	246	37 / 47	37 / 47	27	110	174	30	32
		311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	37 / 47	37 / 47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

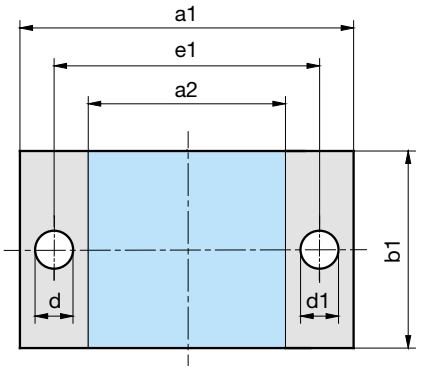
Auswahl Gestellplatten

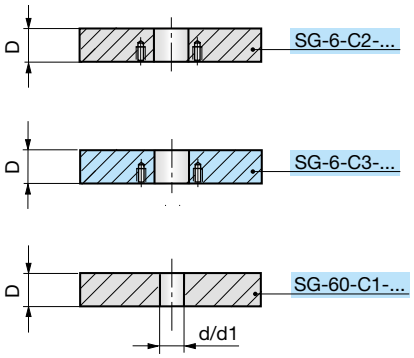
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page





SG-60-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-60-C1/ SG-6-C2/ SG-6-C3	156	156	27 / 37	37	27	58	100	19	20
		196	27 / 37	37	27	98	140	19	20
		246	27 / 37	37	27	148	190	19	20
		311	27 / 37	37	27	213	255	19	20
	196	196	27 / 37	37	27	84	132	24	25
		246	27 / 37	37	27	134	182	24	25
		311	27 / 37	37	27	199	247	24	25
		396	27 / 37	37	27	284	332	24	25
		496	37 / 47	47	27	368	424	30	32
		626	37 / 47	47	27	498	554	30	32
	246	246	37 / 47	47	27	118	174	30	32
		311	37 / 47	47	27	183	239	30	32
		396	37 / 47	47	27	268	324	30	32
		496	37 / 47	47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	37 / 47	47	27	183	239	30	32
		396	37 / 47	47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

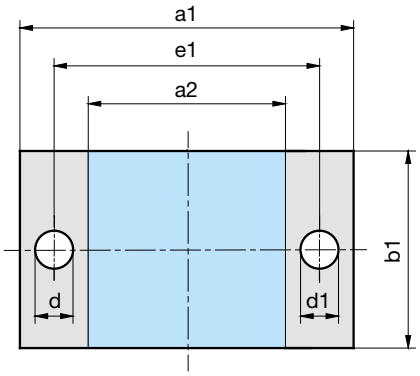
Auswahl Gestellplatten

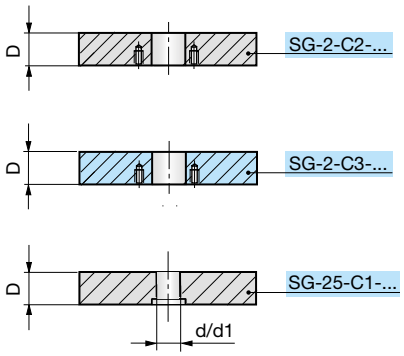
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-25-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-25-C1/ SG-2-C2/ SG-2-C3	156	156	37	27 / 37	27	48	100	19	20
		196	37	27 / 37	27	88	140	19	20
		246	37	27 / 37	27	138	190	19	20
		311	37	27 / 37	27	203	255	19	20
	196	196	37	27 / 37	27	74	132	24	25
		246	37	27 / 37	27	124	182	24	25
		311	37	27 / 37	27	189	247	24	25
		396	37	27 / 37	27	274	332	24	25
		496	47	37 / 47	27	360	424	30	32
		626	47	37 / 47	27	490	554	30	32
	246	246	47	37 / 47	27	110	174	30	32
		311	47	37 / 47	27	175	239	30	32
		396	47	37 / 47	27	260	324	30	32
		496	47	37 / 47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	47	37 / 47	27	175	239	30	32
		396	47	37 / 47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit unten stehenden Säulen

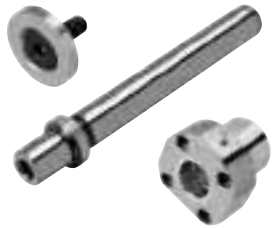
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

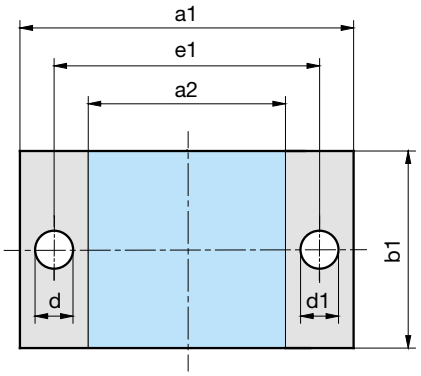
Auswahl Gestellplatten

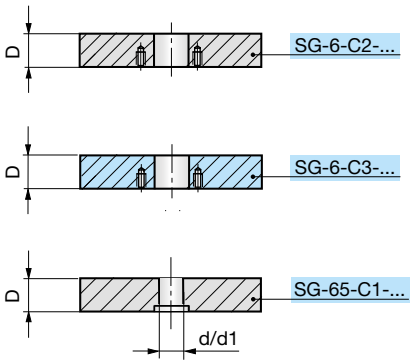
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
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SG-65-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-65-C1/ SG-6-C2/ SG-6-C3	156	156	37	37	27	58	100	19	20
		196	37	37	27	98	140	19	20
		246	37	37	27	148	190	19	20
		311	37	37	27	213	255	19	20
	196	196	37	37	27	84	132	24	25
		246	37	37	27	134	182	24	25
		311	37	37	27	199	247	24	25
		396	37	37	27	284	332	24	25
		496	47	47	27	368	424	30	32
		626	47	47	27	498	554	30	32
	246	246	47	47	27	118	174	30	32
		311	47	47	27	183	239	30	32
		396	47	47	27	268	324	30	32
		496	47	47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	47	47	27	183	239	30	32
		396	47	47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

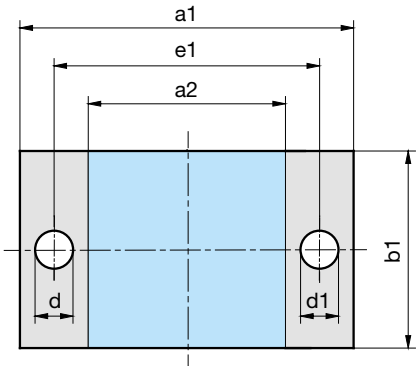
Auswahl Gestellplatten

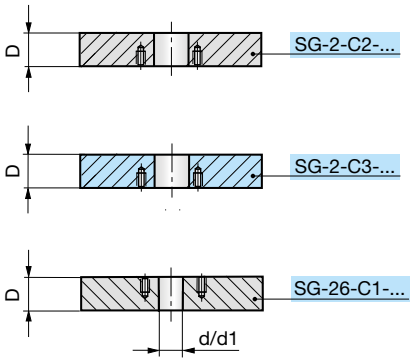
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-26-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-26-C1/ SG-2-C2/ SG-2-C3	156	156	27 / 37	27 / 37	27	48	100	19	20
		196	27 / 37	27 / 37	27	88	140	19	20
		246	27 / 37	27 / 37	27	138	190	19	20
		311	27 / 37	27 / 37	27	203	255	19	20
	196	196	27 / 37	27 / 37	27	74	132	24	25
		246	27 / 37	27 / 37	27	124	182	24	25
		311	27 / 37	27 / 37	27	189	247	24	25
		396	27 / 37	27 / 37	27	274	332	24	25
		496	37 / 47	37 / 47	27	360	424	30	32
		626	37 / 47	37 / 47	27	490	554	30	32
	246	246	37 / 47	37 / 47	27	110	174	30	32
		311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	37 / 47	37 / 47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit unten stehenden Säulen

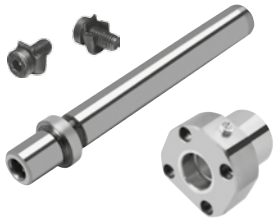
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

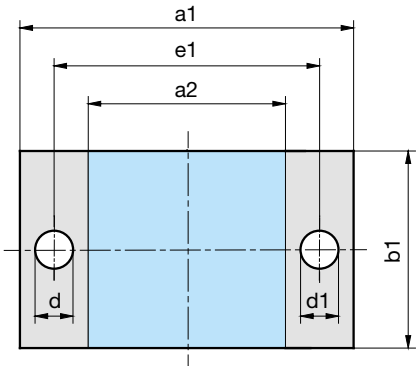
Auswahl Gestellplatten

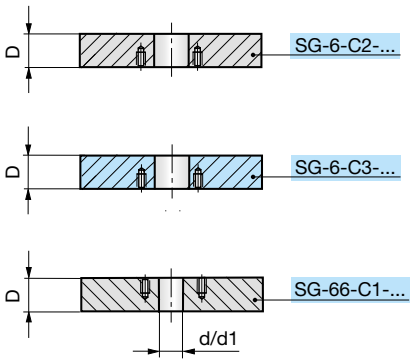
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
voir page





SG-66-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-66-C1/ SG-6-C2/ SG-6-C3	156	156	27 / 37	37	27	58	100	19	20
		196	27 / 37	37	27	98	140	19	20
		246	27 / 37	37	27	148	190	19	20
		311	27 / 37	37	27	213	255	19	20
	196	196	27 / 37	37	27	84	132	24	25
		246	27 / 37	37	27	134	182	24	25
		311	27 / 37	37	27	199	247	24	25
		396	27 / 37	37	27	284	332	24	25
		496	37 / 47	47	27	368	424	30	32
		626	37 / 47	47	27	498	554	30	32
	246	246	37 / 47	47	27	118	174	30	32
		311	37 / 47	47	27	183	239	30	32
		396	37 / 47	47	27	268	324	30	32
		496	37 / 47	47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	37 / 47	47	27	183	239	30	32
		396	37 / 47	47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

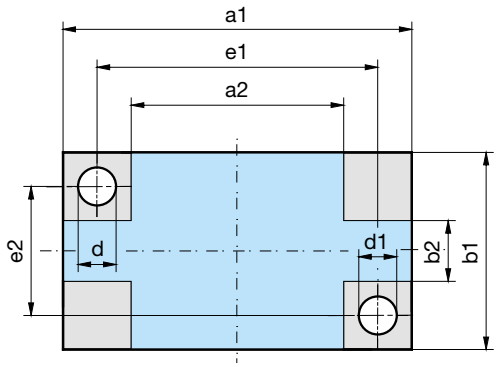
Auswahl Gestellplatten

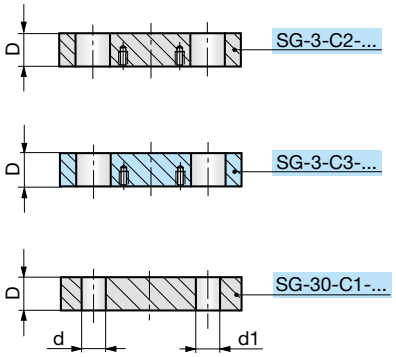
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
voir page





SG-30-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-30-C1/ SG-3-C2/ SG-3-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	19	20
		196	27 / 37	27 / 37	27	88	48	140	100	19	20
		246	27 / 37	27 / 37	27	138	48	190	100	19	20
		311	27 / 37	27 / 37	27	203	48	255	100	19	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	24	25
		246	27 / 37	27 / 37	27	124	74	182	132	24	25
		311	27 / 37	27 / 37	27	189	74	247	132	24	25
		396	27 / 37	27 / 37	27	274	74	332	132	24	25
		496	37 / 47	37 / 47	27	360	60	424	124	30	32
		626	37 / 47	37 / 47	27	490	60	554	124	30	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	30	32
		311	37 / 47	37 / 47	27	175	110	239	174	30	32
		396	37 / 47	37 / 47	27	260	110	324	174	30	32
		496	37 / 47	37 / 47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	30	32
		396	37 / 47	37 / 47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

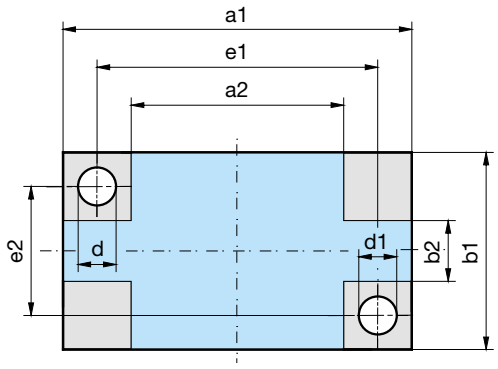
Auswahl Gestellplatten

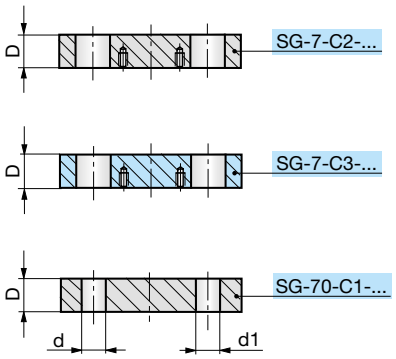
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page





SG-70-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-70-C1/ SG-7-C2/ SG-7-C3	156	156	27 / 37	37	27	58	58	100	100	19	20
		196	27 / 37	37	27	98	58	140	100	19	20
		246	27 / 37	37	27	148	58	190	100	19	20
		311	27 / 37	37	27	213	58	255	100	19	20
	196	196	27 / 37	37	27	84	84	132	132	24	25
		246	27 / 37	37	27	134	84	182	132	24	25
		311	27 / 37	37	27	199	84	247	132	24	25
		396	27 / 37	37	27	284	84	332	132	24	25
		496	37 / 47	47	27	368	68	424	124	30	32
		626	37 / 47	47	27	498	68	554	124	30	32
	246	246	37 / 47	47	27	118	118	174	174	30	32
		311	37 / 47	47	27	183	118	239	174	30	32
		396	37 / 47	47	27	268	118	324	174	30	32
		496	37 / 47	47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	37 / 47	47	27	183	183	239	239	30	32
		396	37 / 47	47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

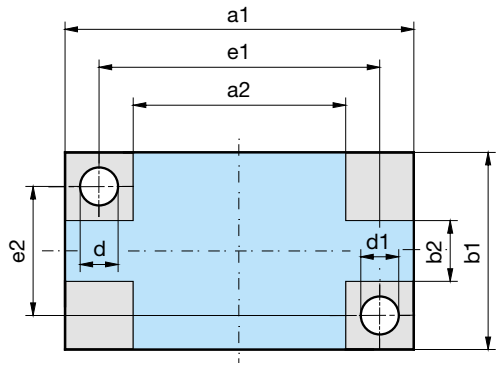
Auswahl Gestellplatten

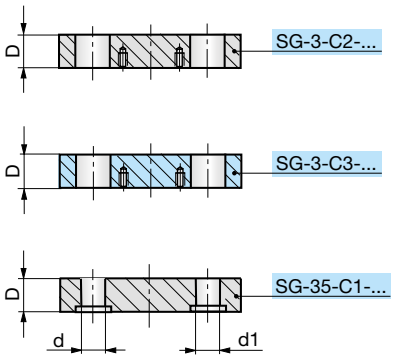
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-35-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-35-C1/ SG-3-C2/ SG-3-C3	156	156	37	27 / 37	27	48	48	100	100	19	20
		196	37	27 / 37	27	88	48	140	100	19	20
		246	37	27 / 37	27	138	48	190	100	19	20
		311	37	27 / 37	27	203	48	255	100	19	20
	196	196	37	27 / 37	27	74	74	132	132	24	25
		246	37	27 / 37	27	124	74	182	132	24	25
		311	37	27 / 37	27	189	74	247	132	24	25
		396	37	27 / 37	27	274	74	332	132	24	25
		496	47	37 / 47	27	360	60	424	124	30	32
		626	47	37 / 47	27	490	60	554	124	30	32
	246	246	47	37 / 47	27	110	110	174	174	30	32
		311	47	37 / 47	27	175	110	239	174	30	32
		396	47	37 / 47	27	260	110	324	174	30	32
		496	47	37 / 47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	47	37 / 47	27	175	175	239	239	30	32
		396	47	37 / 47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

Combi-Säulengestelle mit unten stehenden Säulen

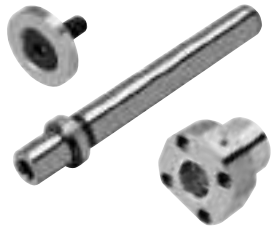
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

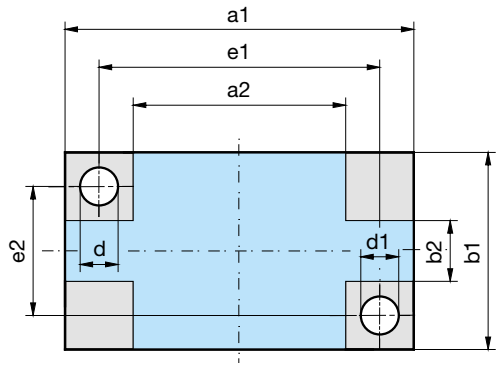
Auswahl Gestellplatten

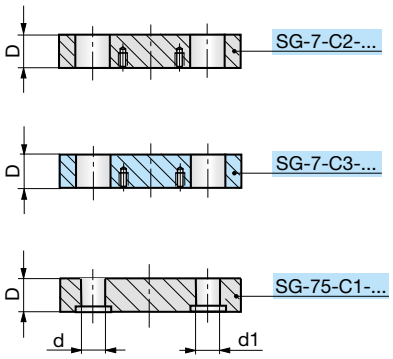
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page





SG-75-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-75-C1/ SG-7-C2/ SG-7-C3	156	156	37	37	27	58	58	100	100	19	20
		196	37	37	27	98	58	140	100	19	20
		246	37	37	27	148	58	190	100	19	20
		311	37	37	27	213	58	255	100	19	20
	196	196	37	37	27	84	84	132	132	24	25
		246	37	37	27	134	84	182	132	24	25
		311	37	37	27	199	84	247	132	24	25
		396	37	37	27	284	84	332	132	24	25
		496	47	47	27	368	68	424	124	30	32
		626	47	47	27	498	68	554	124	30	32
	246	246	47	47	27	118	118	174	174	30	32
		311	47	47	27	183	118	239	174	30	32
		396	47	47	27	268	118	324	174	30	32
		496	47	47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	47	47	27	183	183	239	239	30	32
		396	47	47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

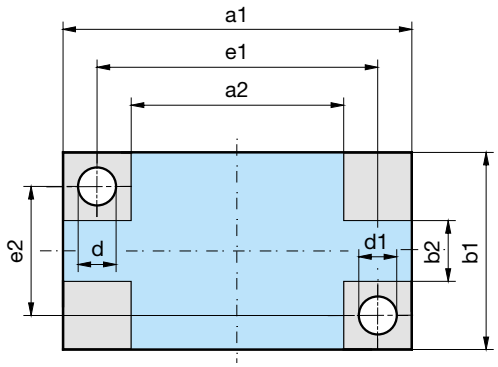
Auswahl Gestellplatten

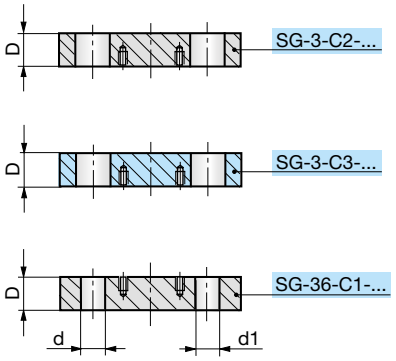
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-36-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-36-C1/ SG-3-C2/ SG-3-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	19	20
		196	27 / 37	27 / 37	27	88	48	140	100	19	20
		246	27 / 37	27 / 37	27	138	48	190	100	19	20
		311	27 / 37	27 / 37	27	203	48	255	100	19	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	24	25
		246	27 / 37	27 / 37	27	124	74	182	132	24	25
		311	27 / 37	27 / 37	27	189	74	247	132	24	25
		396	27 / 37	27 / 37	27	274	74	332	132	24	25
		496	37 / 47	37 / 47	27	360	60	424	124	30	32
		626	37 / 47	37 / 47	27	490	60	554	124	30	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	30	32
		311	37 / 47	37 / 47	27	175	110	239	174	30	32
		396	37 / 47	37 / 47	27	260	110	324	174	30	32
		496	37 / 47	37 / 47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	30	32
		396	37 / 47	37 / 47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

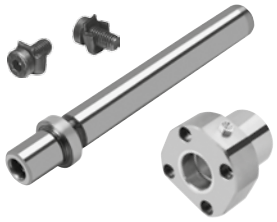
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

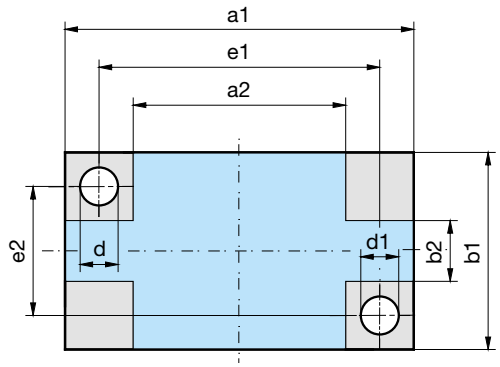
Auswahl Gestellplatten

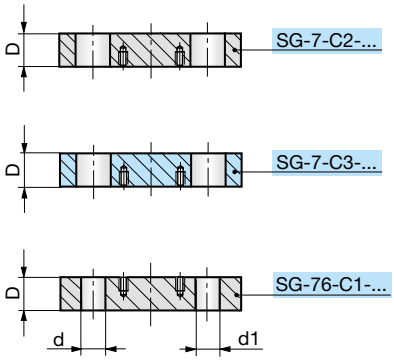
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
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SG-76-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-76-C1/ SG-7-C2/ SG-7-C3	156	156	27 / 37	37	27	58	58	100	100	19	20
		196	27 / 37	37	27	98	58	140	100	19	20
		246	27 / 37	37	27	148	58	190	100	19	20
		311	27 / 37	37	27	213	58	255	100	19	20
	196	196	27 / 37	37	27	84	84	132	132	24	25
		246	27 / 37	37	27	134	84	182	132	24	25
		311	27 / 37	37	27	199	84	247	132	24	25
		396	27 / 37	37	27	284	84	332	132	24	25
		496	37 / 47	47	27	368	68	424	124	30	32
		626	37 / 47	47	27	498	68	554	124	30	32
	246	246	37 / 47	47	27	118	118	174	174	30	32
		311	37 / 47	47	27	183	118	239	174	30	32
		396	37 / 47	47	27	268	118	324	174	30	32
		496	37 / 47	47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	37 / 47	47	27	183	183	239	239	30	32
		396	37 / 47	47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

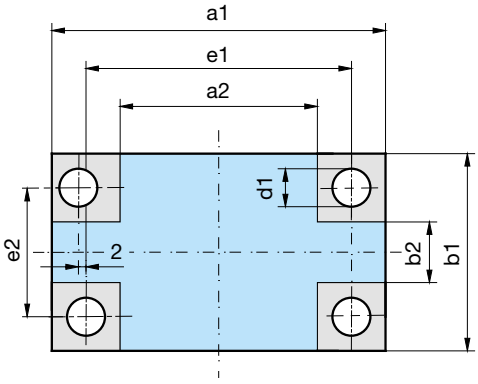
Auswahl Gestellplatten

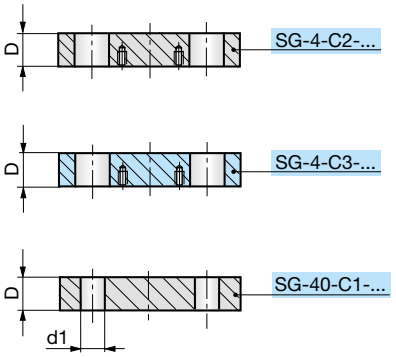
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
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SG-40-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-40-C1/ SG-4-C2/ SG-4-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	20
		196	27 / 37	27 / 37	27	88	48	140	100	20
		246	27 / 37	27 / 37	27	138	48	190	100	20
		311	27 / 37	27 / 37	27	203	48	255	100	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	25
		246	27 / 37	27 / 37	27	124	74	182	132	25
		311	27 / 37	27 / 37	27	189	74	247	132	25
		396	27 / 37	27 / 37	27	274	74	332	132	25
		496	37 / 47	37 / 47	27	360	60	424	124	32
		626	37 / 47	37 / 47	27	490	60	554	124	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	32
		311	37 / 47	37 / 47	27	175	110	239	174	32
		396	37 / 47	37 / 47	27	260	110	324	174	32
		496	37 / 47	37 / 47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	32
		396	37 / 47	37 / 47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

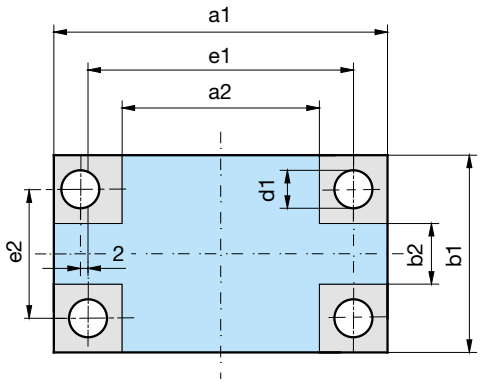
Auswahl Gestellplatten

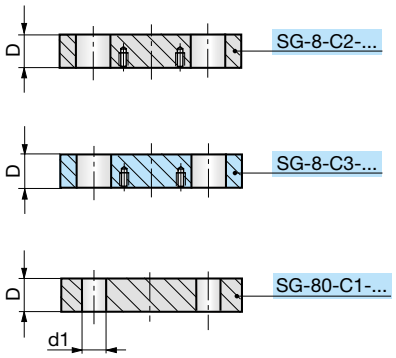
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page





SG-80-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-80-C1/ SG-8-C2/ SG-8-C3	156	156	27 / 37	37	27	58	58	100	100	20
		196	27 / 37	37	27	98	58	140	100	20
		246	27 / 37	37	27	148	58	190	100	20
		311	27 / 37	37	27	213	58	255	100	20
	196	196	27 / 37	37	27	84	84	132	132	25
		246	27 / 37	37	27	134	84	182	132	25
		311	27 / 37	37	27	199	84	247	132	25
		396	27 / 37	37	27	284	84	332	132	25
		496	37 / 47	47	27	368	68	424	124	32
		626	37 / 47	47	27	498	68	554	124	32
	246	246	37 / 47	47	27	118	118	174	174	32
		311	37 / 47	47	27	183	118	239	174	32
		396	37 / 47	47	27	268	118	324	174	32
		496	37 / 47	47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	37 / 47	47	27	183	183	239	239	32
		396	37 / 47	47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

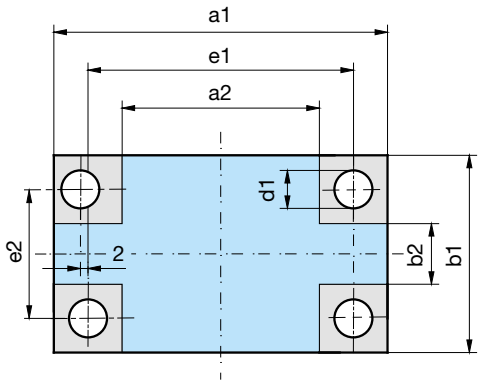
Auswahl Gestellplatten

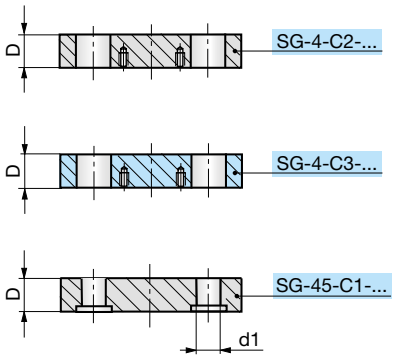
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-45-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-45-C1/ SG-4-C2/ SG-4-C3	156	156	37	27 / 37	27	48	48	100	100	20
		196	37	27 / 37	27	88	48	140	100	20
		246	37	27 / 37	27	138	48	190	100	20
		311	37	27 / 37	27	203	48	255	100	20
	196	196	37	27 / 37	27	74	74	132	132	25
		246	37	27 / 37	27	124	74	182	132	25
		311	37	27 / 37	27	189	74	247	132	25
		396	37	27 / 37	27	274	74	332	132	25
		496	47	37 / 47	27	360	60	424	124	32
		626	47	37 / 47	27	490	60	554	124	32
	246	246	47	37 / 47	27	110	110	174	174	32
		311	47	37 / 47	27	175	110	239	174	32
		396	47	37 / 47	27	260	110	324	174	32
		496	47	37 / 47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	47	37 / 47	27	175	175	239	239	32
		396	47	37 / 47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit unten stehenden Säulen

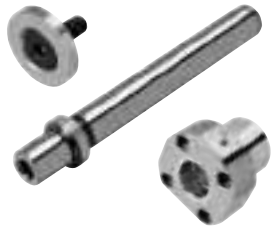
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

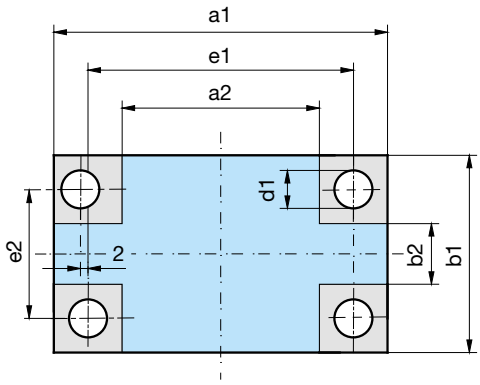
Auswahl Gestellplatten

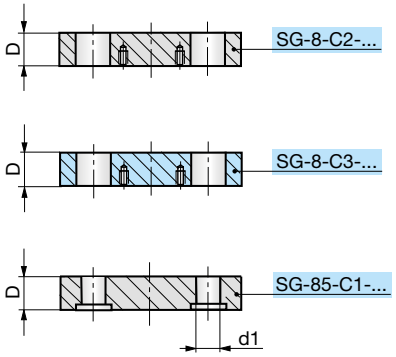
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page





SG-85-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-85-C1/ SG-8-C2/ SG-8-C3	156	156	37	37	27	58	58	100	100	20
		196	37	37	27	98	58	140	100	20
		246	37	37	27	148	58	190	100	20
		311	37	37	27	213	58	255	100	20
	196	196	37	37	27	84	84	132	132	25
		246	37	37	27	134	84	182	132	25
		311	37	37	27	199	84	247	132	25
		396	37	37	27	284	84	332	132	25
		496	47	47	27	368	68	424	124	32
		626	47	47	27	498	68	554	124	32
	246	246	47	47	27	118	118	174	174	32
		311	47	47	27	183	118	239	174	32
		396	47	47	27	268	118	324	174	32
		496	47	47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	47	47	27	183	183	239	239	32
		396	47	47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

D 3001 09.2017

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

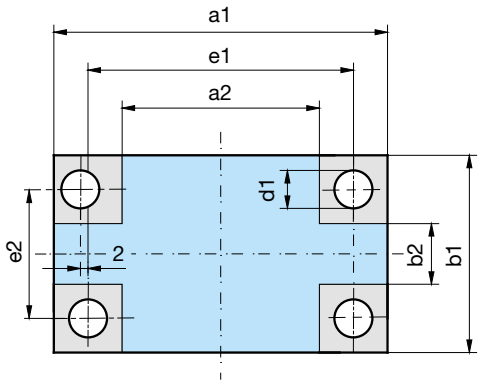
Auswahl Gestellplatten

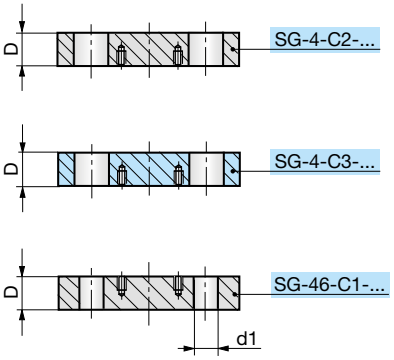
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-46-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-46-C1/ SG-4-C2/ SG-4-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	20
		196	27 / 37	27 / 37	27	88	48	140	100	20
		246	27 / 37	27 / 37	27	138	48	190	100	20
		311	27 / 37	27 / 37	27	203	48	255	100	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	25
		246	27 / 37	27 / 37	27	124	74	182	132	25
		311	27 / 37	27 / 37	27	189	74	247	132	25
		396	27 / 37	27 / 37	27	274	74	332	132	25
		496	37 / 47	37 / 47	27	360	60	424	124	32
		626	37 / 47	37 / 47	27	490	60	554	124	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	32
		311	37 / 47	37 / 47	27	175	110	239	174	32
		396	37 / 47	37 / 47	27	260	110	324	174	32
		496	37 / 47	37 / 47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	32
		396	37 / 47	37 / 47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit unten stehenden Säulen

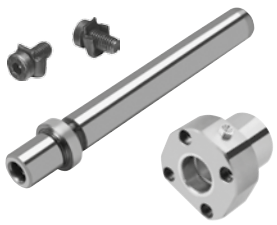
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

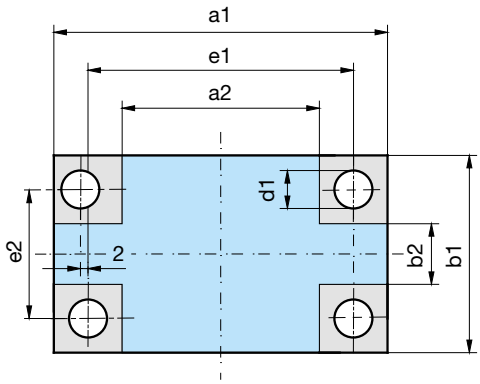
Auswahl Gestellplatten

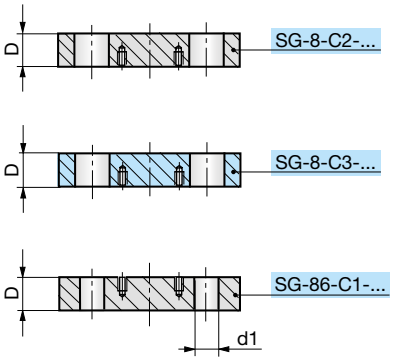
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
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SG-86-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-86-C1/ SG-8-C2/ SG-8-C3	156	156	27 / 37	37	27	58	58	100	100	20
		196	27 / 37	37	27	98	58	140	100	20
		246	27 / 37	37	27	148	58	190	100	20
		311	27 / 37	37	27	213	58	255	100	20
	196	196	27 / 37	37	27	84	84	132	132	25
		246	27 / 37	37	27	134	84	182	132	25
		311	27 / 37	37	27	199	84	247	132	25
		396	27 / 37	37	27	284	84	332	132	25
		496	37 / 47	47	27	368	68	424	124	32
		626	37 / 47	47	27	498	68	554	124	32
	246	246	37 / 47	47	27	118	118	174	174	32
		311	37 / 47	47	27	183	118	239	174	32
		396	37 / 47	47	27	268	118	324	174	32
		496	37 / 47	47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	37 / 47	47	27	183	183	239	239	32
		396	37 / 47	47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

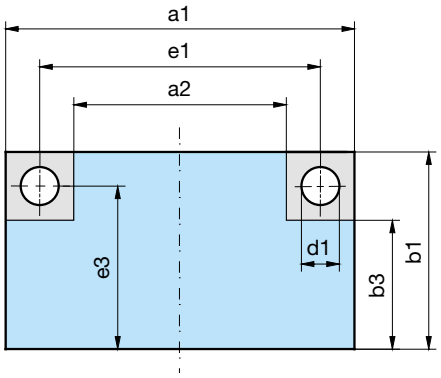
Auswahl Gestellplatten

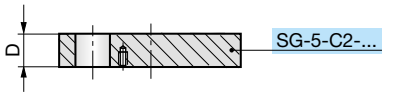
Selection die set plates

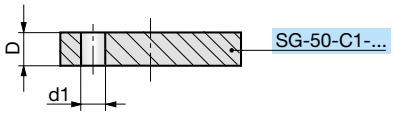
Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
voir page







SG-50-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-50-C1/ SG-5-C2	156	156	27 / 37	27 / 37	48	102	100	128	20
		196	27 / 37	27 / 37	88	102	140	128	20
		246	27 / 37	27 / 37	138	102	190	128	20
		311	27 / 37	27 / 37	203	102	255	128	20
	196	196	27 / 37	27 / 37	74	135	132	164	25
		246	27 / 37	27 / 37	124	135	182	164	25
		311	27 / 37	27 / 37	189	135	247	164	25
		396	27 / 37	27 / 37	274	135	332	164	25
		496	37 / 47	37 / 47	360	128	424	160	32
		626	37 / 47	37 / 47	490	128	554	160	32
	246	246	37 / 47	37 / 47	110	178	174	210	32
		311	37 / 47	37 / 47	175	178	239	210	32
		396	37 / 47	37 / 47	260	178	324	210	32
		496	37 / 47	37 / 47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	37 / 47	37 / 47	175	243	239	275	32
		396	37 / 47	37 / 47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

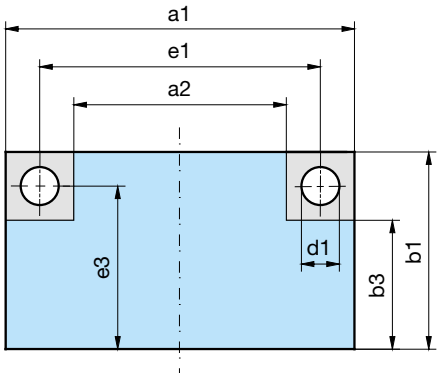
Auswahl Gestellplatten

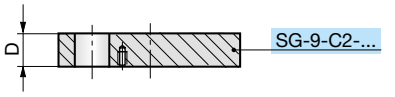
Selection die set plates

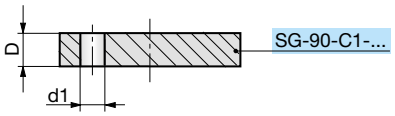
Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page







SG-90-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-90-C1/ SG-9-C2	156	156	27 / 37	37	58	107	100	128	20
		196	27 / 37	37	98	107	140	128	20
		246	27 / 37	37	148	107	190	128	20
		311	27 / 37	37	213	107	255	128	20
	196	196	27 / 37	37	84	140	132	164	25
		246	27 / 37	37	134	140	182	164	25
		311	27 / 37	37	199	140	247	164	25
		396	27 / 37	37	284	140	332	164	25
		496	37 / 47	47	368	132	424	160	32
		626	37 / 47	47	498	132	554	160	32
	246	246	37 / 47	47	118	182	174	210	32
		311	37 / 47	47	183	182	239	210	32
		396	37 / 47	47	268	182	324	210	32
		496	37 / 47	47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	37 / 47	47	183	247	239	275	32
		396	37 / 47	47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

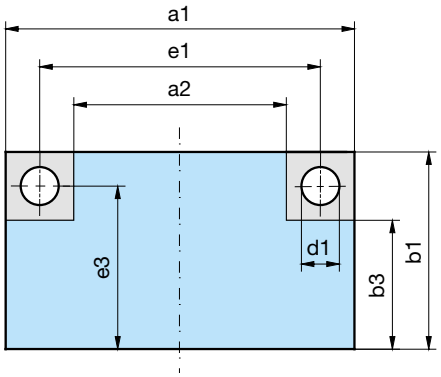
Auswahl Gestellplatten

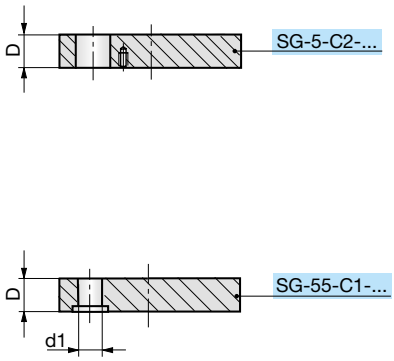
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-55-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-55-C1/ SG-5-C2	156	156	37	27 / 37	48	102	100	128	20
		196	37	27 / 37	88	102	140	128	20
		246	37	27 / 37	138	102	190	128	20
		311	37	27 / 37	203	102	255	128	20
	196	196	37	27 / 37	74	135	132	164	25
		246	37	27 / 37	124	135	182	164	25
		311	37	27 / 37	189	135	247	164	25
		396	37	27 / 37	274	135	332	164	25
		496	47	37 / 47	360	128	424	160	32
		626	47	37 / 47	490	128	554	160	32
	246	246	47	37 / 47	110	178	174	210	32
		311	47	37 / 47	175	178	239	210	32
		396	47	37 / 47	260	178	324	210	32
		496	47	37 / 47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	47	37 / 47	175	243	239	275	32
		396	47	37 / 47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit unten stehenden Säulen

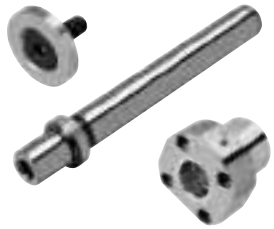
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

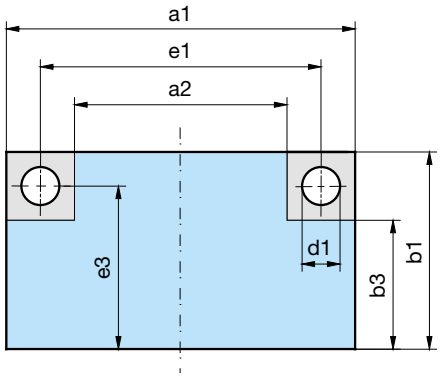
Auswahl Gestellplatten

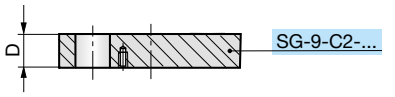
Selection die set plates

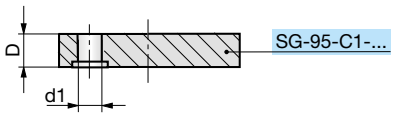
Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page







SG-95-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-95-C1/ SG-9-C2	156	156	37	37	58	107	100	128	20
		196	37	37	98	107	140	128	20
		246	37	37	148	107	190	128	20
		311	37	37	213	107	255	128	20
	196	196	37	37	84	140	132	164	25
		246	37	37	134	140	182	164	25
		311	37	37	199	140	247	164	25
		396	37	37	284	140	332	164	25
		496	47	47	368	132	424	160	32
		626	47	47	498	132	554	160	32
	246	246	47	47	118	182	174	210	32
		311	47	47	183	182	239	210	32
		396	47	47	268	182	324	210	32
		496	47	47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	47	47	183	247	239	275	32
		396	47	47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Combi-Säulengestelle mit unten stehenden Säulen

Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

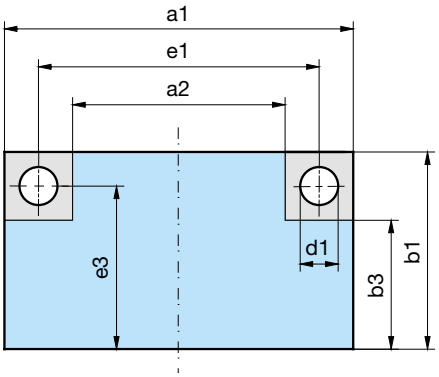
Auswahl Gestellplatten

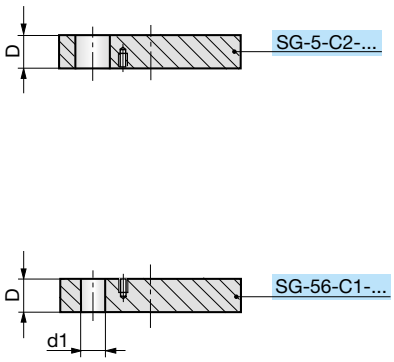
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
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SG-56-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-56-C1/ SG-5-C2	156	156	27 / 37	27 / 37	48	102	100	128	20
		196	27 / 37	27 / 37	88	102	140	128	20
		246	27 / 37	27 / 37	138	102	190	128	20
		311	27 / 37	27 / 37	203	102	255	128	20
	196	196	27 / 37	27 / 37	74	135	132	164	25
		246	27 / 37	27 / 37	124	135	182	164	25
		311	27 / 37	27 / 37	189	135	247	164	25
		396	27 / 37	27 / 37	274	135	332	164	25
		496	37 / 47	37 / 47	360	128	424	160	32
		626	37 / 47	37 / 47	490	128	554	160	32
	246	246	37 / 47	37 / 47	110	178	174	210	32
		311	37 / 47	37 / 47	175	178	239	210	32
		396	37 / 47	37 / 47	260	178	324	210	32
		496	37 / 47	37 / 47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	37 / 47	37 / 47	175	243	239	275	32
		396	37 / 47	37 / 47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit unten stehenden Säulen

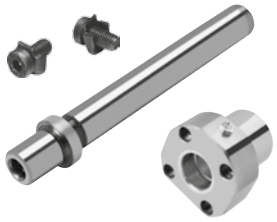
Combi-die sets with down-mounted columns

Combi-blocs à colonnes avec colonnes montées en bas

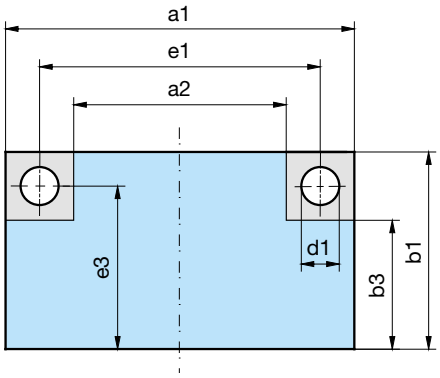
Auswahl Gestellplatten

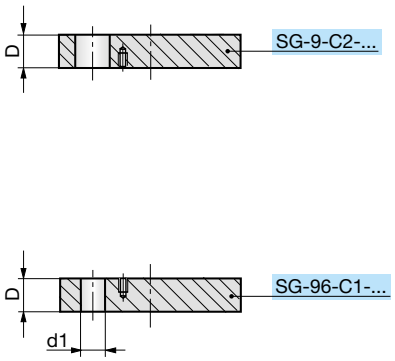
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
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SG-96-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-96-C1/ SG-9-C2	156	156	27 / 37	37	58	107	100	128	20
		196	27 / 37	37	98	107	140	128	20
		246	27 / 37	37	148	107	190	128	20
		311	27 / 37	37	213	107	255	128	20
	196	196	27 / 37	37	84	140	132	164	25
		246	27 / 37	37	134	140	182	164	25
		311	27 / 37	37	199	140	247	164	25
		396	27 / 37	37	284	140	332	164	25
		496	37 / 47	47	368	132	424	160	32
		626	37 / 47	47	498	132	554	160	32
	246	246	37 / 47	47	118	182	174	210	32
		311	37 / 47	47	183	182	239	210	32
		396	37 / 47	47	268	182	324	210	32
		496	37 / 47	47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	37 / 47	47	183	247	239	275	32
		396	37 / 47	47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

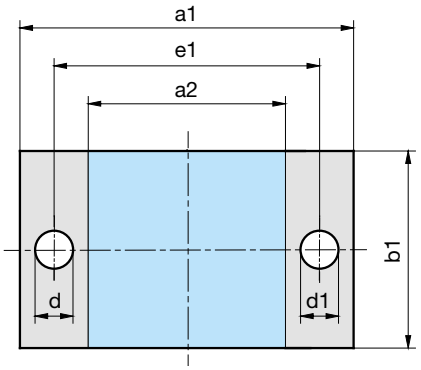
Auswahl Gestellplatten

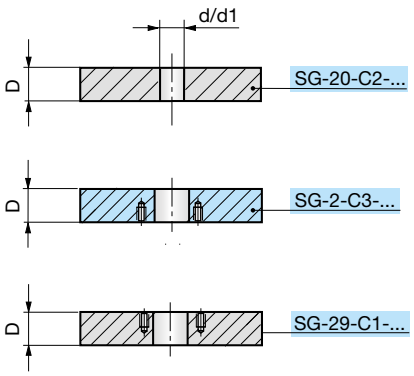
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
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SG-29-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-29-C1/ SG-20-C2/ SG-2-C3	156	156	27 / 37	27 / 37	27	48	100	19	20
		196	27 / 37	27 / 37	27	88	140	19	20
		246	27 / 37	27 / 37	27	138	190	19	20
		311	27 / 37	27 / 37	27	203	255	19	20
	196	196	27 / 37	27 / 37	27	74	132	24	25
		246	27 / 37	27 / 37	27	124	182	24	25
		311	27 / 37	27 / 37	27	189	247	24	25
		396	27 / 37	27 / 37	27	274	332	24	25
		496	37 / 47	37 / 47	27	360	424	30	32
		626	37 / 47	37 / 47	27	490	554	30	32
	246	246	37 / 47	37 / 47	27	110	174	30	32
		311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	37 / 47	37 / 47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

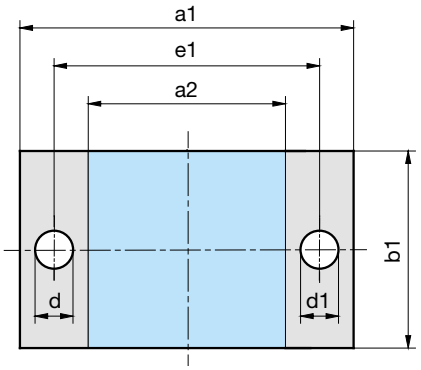
Auswahl Gestellplatten

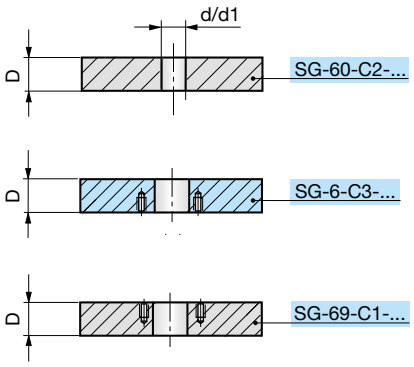
Selection die set plates

Sélection des plaques de bloc à colonnes



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see page 4.60
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SG-69-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-69-C1/ SG-60-C2/ SG-6-C3	156	156	37	27 / 37	27	58	100	19	20
		196	37	27 / 37	27	98	140	19	20
		246	37	27 / 37	27	148	190	19	20
		311	37	27 / 37	27	213	255	19	20
	196	196	37	27 / 37	27	84	132	24	25
		246	37	27 / 37	27	134	182	24	25
		311	37	27 / 37	27	199	247	24	25
		396	37	27 / 37	27	284	332	24	25
		496	47	37 / 47	27	368	424	30	32
		626	47	37 / 47	27	498	554	30	32
	246	246	47	37 / 47	27	118	174	30	32
		311	47	37 / 47	27	183	239	30	32
		396	47	37 / 47	27	268	324	30	32
		496	47	37 / 47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	47	37 / 47	27	183	239	30	32
		396	47	37 / 47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

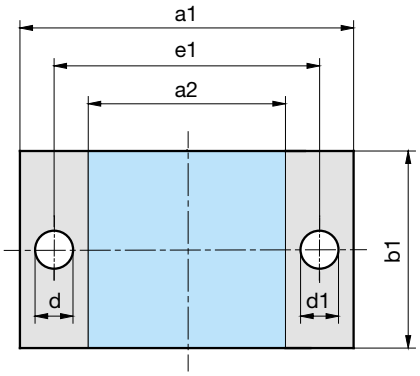
Auswahl Gestellplatten

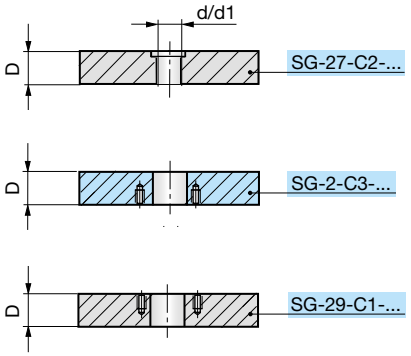
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
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SG-29-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-29-C1/ SG-27-C2/ SG-2-C3	156	156	27 / 37	37	27	48	100	19	20
		196	27 / 37	37	27	88	140	19	20
		246	27 / 37	37	27	138	190	19	20
		311	27 / 37	37	27	203	255	19	20
	196	196	27 / 37	37	27	74	132	24	25
		246	27 / 37	37	27	124	182	24	25
		311	27 / 37	37	27	189	247	24	25
		396	27 / 37	37	27	274	332	24	25
		496	37 / 47	47	27	360	424	30	32
		626	37 / 47	47	27	490	554	30	32
	246	246	37 / 47	47	27	110	174	30	32
		311	37 / 47	47	27	175	239	30	32
		396	37 / 47	47	27	260	324	30	32
		496	37 / 47	47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	37 / 47	47	27	175	239	30	32
		396	37 / 47	47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit oben hängenden Säulen

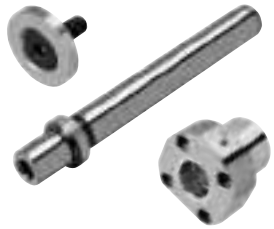
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

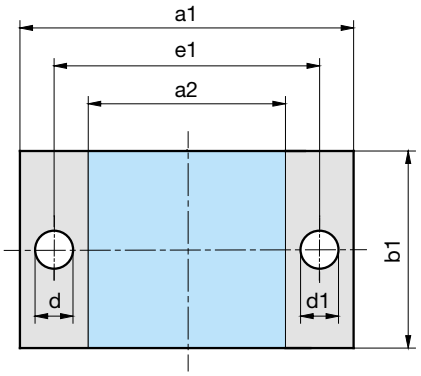
Auswahl Gestellplatten

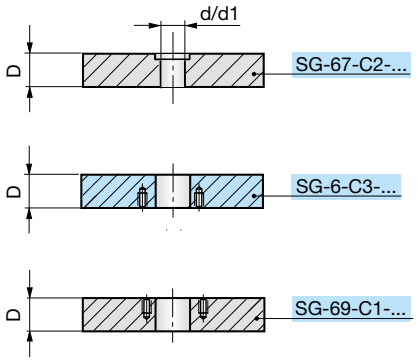
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
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SG-69-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-69-C1/ SG-67-C2/ SG-6-C3	156	156	37	37	27	58	100	19	20
		196	37	37	27	98	140	19	20
		246	37	37	27	148	190	19	20
		311	37	37	27	213	255	19	20
	196	196	37	37	27	84	132	24	25
		246	37	37	27	134	182	24	25
		311	37	37	27	199	247	24	25
		396	37	37	27	284	332	24	25
		496	47	47	27	368	424	30	32
		626	47	47	27	498	554	30	32
	246	246	47	47	27	118	174	30	32
		311	47	47	27	183	239	30	32
		396	47	47	27	268	324	30	32
		496	47	47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	47	47	27	183	239	30	32
		396	47	47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

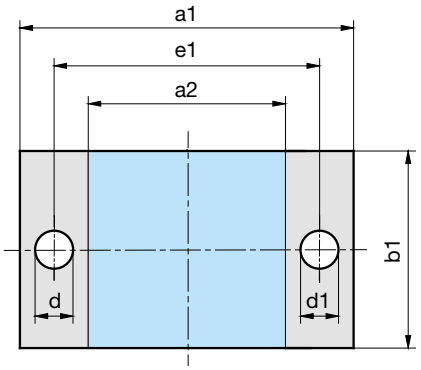
Auswahl Gestellplatten

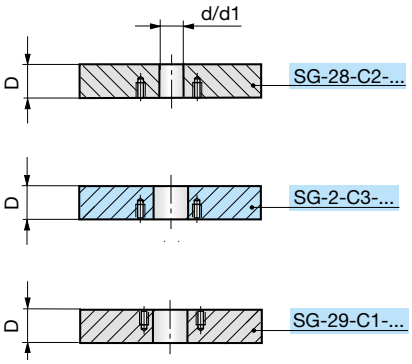
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-29-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-29-C1/ SG-28-C2/ SG-2-C3	156	156	27 / 37	27 / 37	27	48	100	19	20
		196	27 / 37	27 / 37	27	88	140	19	20
		246	27 / 37	27 / 37	27	138	190	19	20
		311	27 / 37	27 / 37	27	203	255	19	20
	196	196	27 / 37	27 / 37	27	74	132	24	25
		246	27 / 37	27 / 37	27	124	182	24	25
		311	27 / 37	27 / 37	27	189	247	24	25
		396	27 / 37	27 / 37	27	274	332	24	25
		496	37 / 47	37 / 47	27	360	424	30	32
		626	37 / 47	37 / 47	27	490	554	30	32
	246	246	37 / 47	37 / 47	27	110	174	30	32
		311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	37 / 47	37 / 47	27	360	424	30	32
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
	311	311	37 / 47	37 / 47	27	175	239	30	32
		396	37 / 47	37 / 47	27	260	324	30	32
		496	47 / 57	47 / 57	27	340	412	38	40
		626	47 / 57	47 / 57	27	470	542	38	40
		706	47 / 57	47 / 57	27	550	622	38	40
		796	47 / 57	47 / 57	27	640	712	38	40
	396	396	47 / 57	47 / 57	37	240	312	38	40
		496	47 / 57	47 / 57	37	340	412	38	40
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	496	496	57 / 67	57 / 67	37	318	400	48	50
		626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50
	626	626	57 / 67	57 / 67	37	448	530	48	50
		706	57 / 67	57 / 67	37	528	610	48	50
		796	57 / 67	57 / 67	37	618	700	48	50

Combi-Säulengestelle mit oben hängenden Säulen

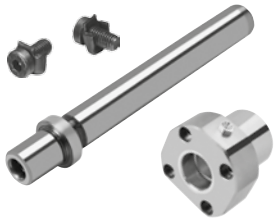
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

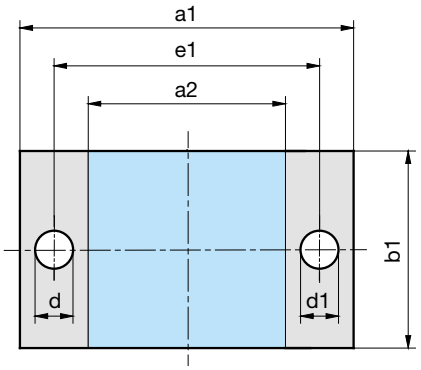
Auswahl Gestellplatten

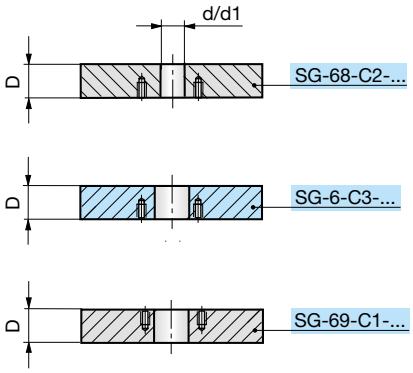
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
voir page





SG-69-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	e1	Ød	Ød1
SG-69-C1/ SG-68-C2/ SG-6-C3	156	156	37	27 / 37	27	58	100	19	20
		196	37	27 / 37	27	98	140	19	20
		246	37	27 / 37	27	148	190	19	20
		311	37	27 / 37	27	213	255	19	20
	196	196	37	27 / 37	27	84	132	24	25
		246	37	27 / 37	27	134	182	24	25
		311	37	27 / 37	27	199	247	24	25
		396	37	27 / 37	27	284	332	24	25
		496	47	37 / 47	27	368	424	30	32
		626	47	37 / 47	27	498	554	30	32
	246	246	47	37 / 47	27	118	174	30	32
		311	47	37 / 47	27	183	239	30	32
		396	47	37 / 47	27	268	324	30	32
		496	47	37 / 47	27	368	424	30	32
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
	311	311	47	37 / 47	27	183	239	30	32
		396	47	37 / 47	27	268	324	30	32
		496	47 / 57	47 / 57	27	344	412	38	40
		626	47 / 57	47 / 57	27	474	542	38	40
		706	47 / 57	47 / 57	27	554	622	38	40
		796	47 / 57	47 / 57	27	644	712	38	40
	396	396	47 / 57	47 / 57	37	244	312	38	40
		496	47 / 57	47 / 57	37	344	412	38	40
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	496	496	57 / 67	57 / 67	37	322	400	48	50
		626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50
	626	626	57 / 67	57 / 67	37	452	530	48	50
		706	57 / 67	57 / 67	37	532	610	48	50
		796	57 / 67	57 / 67	37	622	700	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

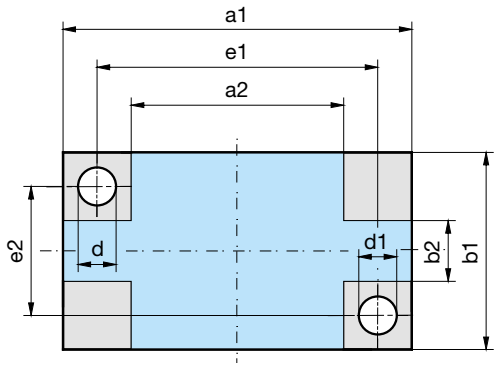
Auswahl Gestellplatten

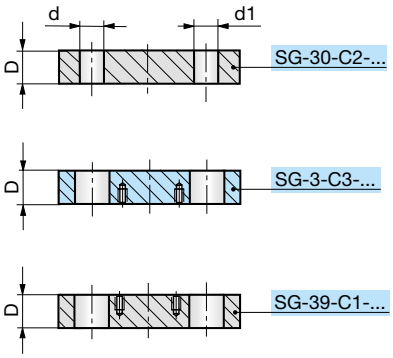
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
voir page





SG-39-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-39-C1/ SG-30-C2/ SG-3-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	19	20
		196	27 / 37	27 / 37	27	88	48	140	100	19	20
		246	27 / 37	27 / 37	27	138	48	190	100	19	20
		311	27 / 37	27 / 37	27	203	48	255	100	19	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	24	25
		246	27 / 37	27 / 37	27	124	74	182	132	24	25
		311	27 / 37	27 / 37	27	189	74	247	132	24	25
		396	27 / 37	27 / 37	27	274	74	332	132	24	25
		496	37 / 47	37 / 47	27	360	60	424	124	30	32
		626	37 / 47	37 / 47	27	490	60	554	124	30	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	30	32
		311	37 / 47	37 / 47	27	175	110	239	174	30	32
		396	37 / 47	37 / 47	27	260	110	324	174	30	32
		496	37 / 47	37 / 47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	30	32
		396	37 / 47	37 / 47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

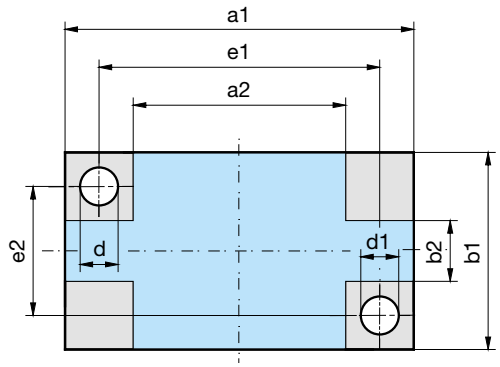
Auswahl Gestellplatten

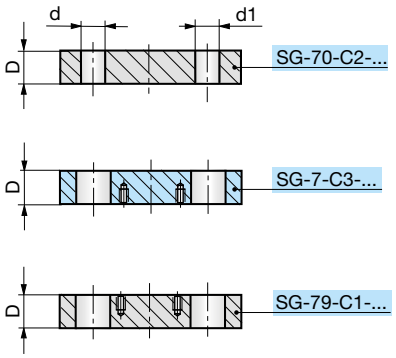
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page





SG-79-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-79-C1/ SG-70-C2/ SG-7-C3	156	156	37	27 / 37	27	58	58	100	100	19	20
		196	37	27 / 37	27	98	58	140	100	19	20
		246	37	27 / 37	27	148	58	190	100	19	20
		311	37	27 / 37	27	213	58	255	100	19	20
	196	196	37	27 / 37	27	84	84	132	132	24	25
		246	37	27 / 37	27	134	84	182	132	24	25
		311	37	27 / 37	27	199	84	247	132	24	25
		396	37	27 / 37	27	284	84	332	132	24	25
		496	47	37 / 47	27	368	68	424	124	30	32
		626	47	37 / 47	27	498	68	554	124	30	32
	246	246	47	37 / 47	27	118	118	174	174	30	32
		311	47	37 / 47	27	183	118	239	174	30	32
		396	47	37 / 47	27	268	118	324	174	30	32
		496	47	37 / 47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	47	37 / 47	27	183	183	239	239	30	32
		396	47	37 / 47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

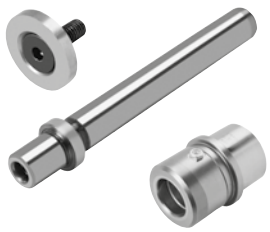
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

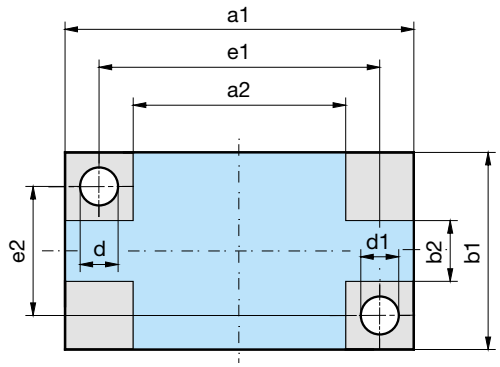
Auswahl Gestellplatten

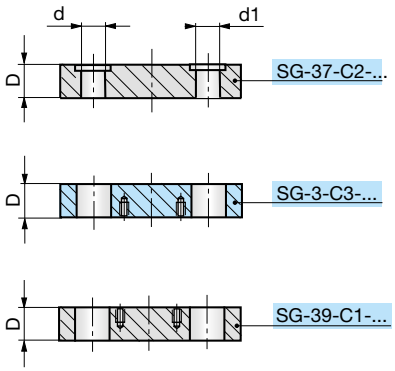
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-39-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-39-C1/ SG-37-C2/ SG-3-C3	156	156	27 / 37	37	27	48	48	100	100	19	20
		196	27 / 37	37	27	88	48	140	100	19	20
		246	27 / 37	37	27	138	48	190	100	19	20
		311	27 / 37	37	27	203	48	255	100	19	20
	196	196	27 / 37	37	27	74	74	132	132	24	25
		246	27 / 37	37	27	124	74	182	132	24	25
		311	27 / 37	37	27	189	74	247	132	24	25
		396	27 / 37	37	27	274	74	332	132	24	25
		496	37 / 47	47	27	360	60	424	124	30	32
		626	37 / 47	47	27	490	60	554	124	30	32
	246	246	37 / 47	47	27	110	110	174	174	30	32
		311	37 / 47	47	27	175	110	239	174	30	32
		396	37 / 47	47	27	260	110	324	174	30	32
		496	37 / 47	47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	37 / 47	47	27	175	175	239	239	30	32
		396	37 / 47	47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

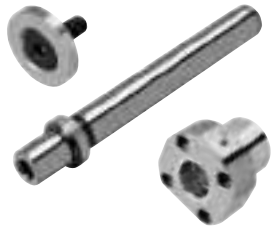
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

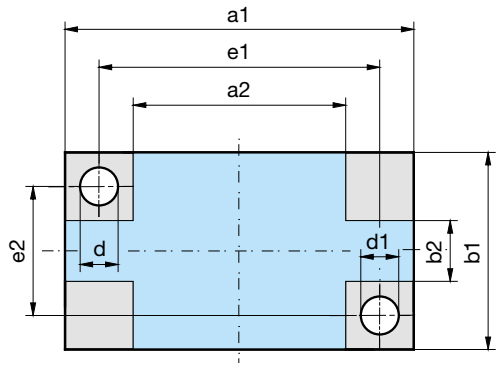
Auswahl Gestellplatten

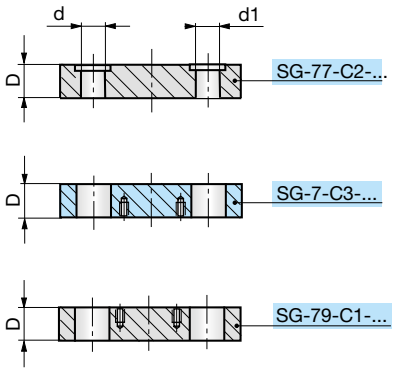
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page





SG-79-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-79-C1/ SG-77-C2/ SG-7-C3	156	156	37	37	27	58	58	100	100	19	20
		196	37	37	27	98	58	140	100	19	20
		246	37	37	27	148	58	190	100	19	20
		311	37	37	27	213	58	255	100	19	20
	196	196	37	37	27	84	84	132	132	24	25
		246	37	37	27	134	84	182	132	24	25
		311	37	37	27	199	84	247	132	24	25
		396	37	37	27	284	84	332	132	24	25
		496	47	47	27	368	68	424	124	30	32
		626	47	47	27	498	68	554	124	30	32
	246	246	47	47	27	118	118	174	174	30	32
		311	47	47	27	183	118	239	174	30	32
		396	47	47	27	268	118	324	174	30	32
		496	47	47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	47	47	27	183	183	239	239	30	32
		396	47	47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

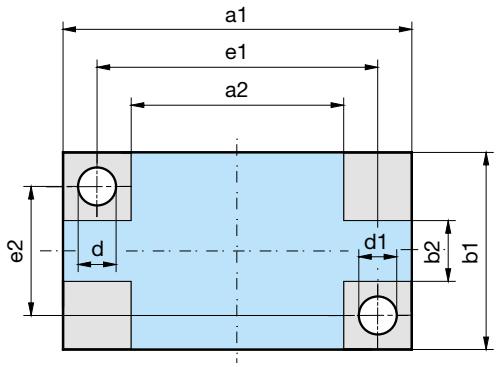
Auswahl Gestellplatten

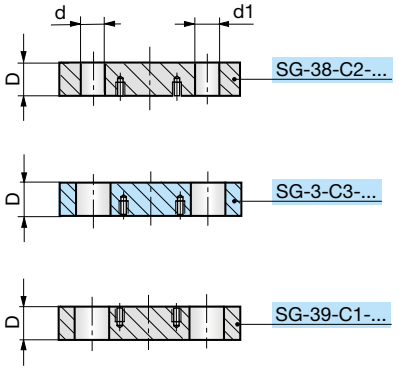
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-39-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-39-C1/ SG-38-C2/ SG-3-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	19	20
		196	27 / 37	27 / 37	27	88	48	140	100	19	20
		246	27 / 37	27 / 37	27	138	48	190	100	19	20
		311	27 / 37	27 / 37	27	203	48	255	100	19	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	24	25
		246	27 / 37	27 / 37	27	124	74	182	132	24	25
		311	27 / 37	27 / 37	27	189	74	247	132	24	25
		396	27 / 37	27 / 37	27	274	74	332	132	24	25
		496	37 / 47	37 / 47	27	360	60	424	124	30	32
		626	37 / 47	37 / 47	27	490	60	554	124	30	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	30	32
		311	37 / 47	37 / 47	27	175	110	239	174	30	32
		396	37 / 47	37 / 47	27	260	110	324	174	30	32
		496	37 / 47	37 / 47	27	360	110	424	174	30	32
		626	47 / 57	47 / 57	27	470	90	542	162	38	40
		706	47 / 57	47 / 57	27	550	90	622	162	38	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	30	32
		396	37 / 47	37 / 47	27	260	175	324	239	30	32
		496	47 / 57	47 / 57	27	340	155	412	227	38	40
		626	47 / 57	47 / 57	27	470	155	542	227	38	40
		706	47 / 57	47 / 57	27	550	155	622	227	38	40
		796	47 / 57	47 / 57	27	640	155	712	227	38	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	38	40
		496	47 / 57	47 / 57	37	340	240	412	312	38	40
		626	57 / 67	57 / 67	37	448	218	530	300	48	50
		706	57 / 67	57 / 67	37	528	218	610	300	48	50
		796	57 / 67	57 / 67	37	618	218	700	300	48	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	48	50
		626	57 / 67	57 / 67	37	448	318	530	400	48	50
		706	57 / 67	57 / 67	37	528	318	610	400	48	50
		796	57 / 67	57 / 67	37	618	318	700	400	48	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	48	50
		706	57 / 67	57 / 67	37	528	448	610	530	48	50
		796	57 / 67	57 / 67	37	618	448	700	530	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

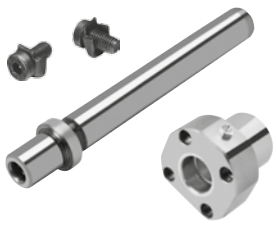
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

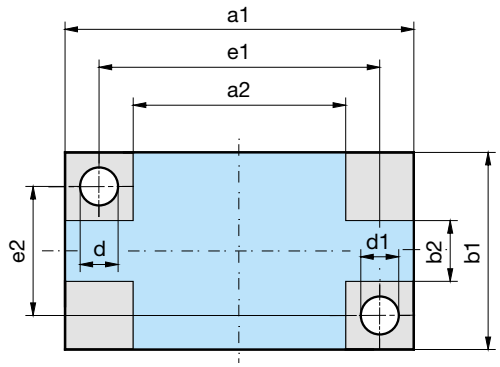
Auswahl Gestellplatten

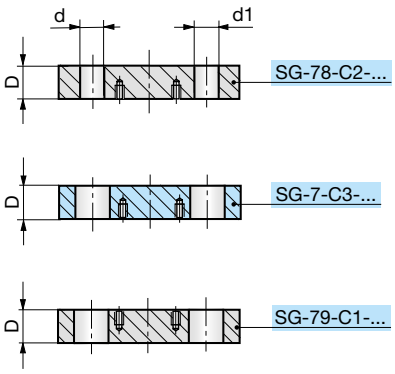
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
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SG-79-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød	Ød1
SG-79-C1/ SG-78-C2/ SG-7-C3	156	156	37	27 / 37	27	58	58	100	100	19	20
		196	37	27 / 37	27	98	58	140	100	19	20
		246	37	27 / 37	27	148	58	190	100	19	20
		311	37	27 / 37	27	213	58	255	100	19	20
	196	196	37	27 / 37	27	84	84	132	132	24	25
		246	37	27 / 37	27	134	84	182	132	24	25
		311	37	27 / 37	27	199	84	247	132	24	25
		396	37	27 / 37	27	284	84	332	132	24	25
		496	47	37 / 47	27	368	68	424	124	30	32
		626	47	37 / 47	27	498	68	554	124	30	32
	246	246	47	37 / 47	27	118	118	174	174	30	32
		311	47	37 / 47	27	183	118	239	174	30	32
		396	47	37 / 47	27	268	118	324	174	30	32
		496	47	37 / 47	27	368	118	424	174	30	32
		626	47 / 57	47 / 57	27	474	94	542	162	38	40
		706	47 / 57	47 / 57	27	554	94	622	162	38	40
	311	311	47	37 / 47	27	183	183	239	239	30	32
		396	47	37 / 47	27	268	183	324	239	30	32
		496	47 / 57	47 / 57	27	344	159	412	227	38	40
		626	47 / 57	47 / 57	27	474	159	542	227	38	40
		706	47 / 57	47 / 57	27	554	159	622	227	38	40
		796	47 / 57	47 / 57	27	644	159	712	227	38	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	38	40
		496	47 / 57	47 / 57	37	344	244	412	312	38	40
		626	57 / 67	57 / 67	37	452	222	530	300	48	50
		706	57 / 67	57 / 67	37	532	222	610	300	48	50
		796	57 / 67	57 / 67	37	622	222	700	300	48	50
	496	496	57 / 67	57 / 67	37	322	224	400	400	48	50
		626	57 / 67	57 / 67	37	452	224	530	400	48	50
		706	57 / 67	57 / 67	37	532	224	610	400	48	50
		796	57 / 67	57 / 67	37	622	322	700	400	48	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	48	50
		706	57 / 67	57 / 67	37	532	452	610	530	48	50
		796	57 / 67	57 / 67	37	622	452	700	530	48	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

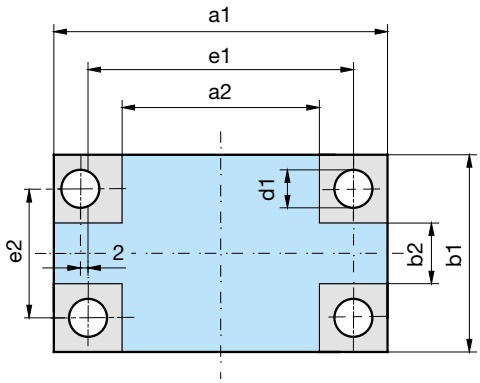
Auswahl Gestellplatten

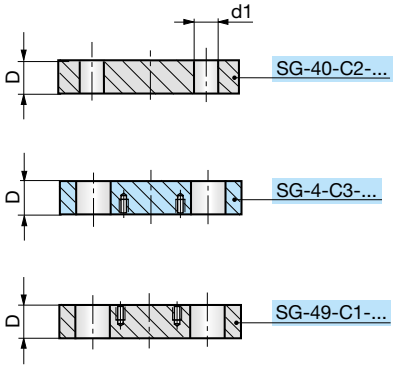
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
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SG-49-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-49-C1/ SG-40-C2/ SG-4-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	20
		196	27 / 37	27 / 37	27	88	48	140	100	20
		246	27 / 37	27 / 37	27	138	48	190	100	20
		311	27 / 37	27 / 37	27	203	48	255	100	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	25
		246	27 / 37	27 / 37	27	124	74	182	132	25
		311	27 / 37	27 / 37	27	189	74	247	132	25
		396	27 / 37	27 / 37	27	274	74	332	132	25
		496	37 / 47	37 / 47	27	360	60	424	124	32
		626	37 / 47	37 / 47	27	490	60	554	124	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	32
		311	37 / 47	37 / 47	27	175	110	239	174	32
		396	37 / 47	37 / 47	27	260	110	324	174	32
		496	37 / 47	37 / 47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	32
		396	37 / 47	37 / 47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

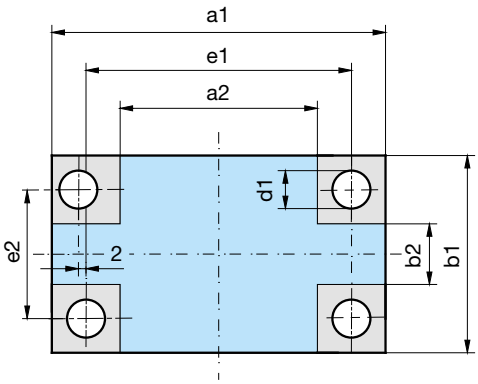
Auswahl Gestellplatten

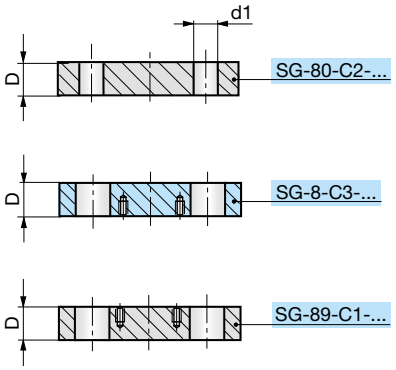
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page





SG-89-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-89-C1/ SG-80-C2/ SG-8-C3	156	156	37	27 / 37	27	58	58	100	100	20
		196	37	27 / 37	27	98	58	140	100	20
		246	37	27 / 37	27	148	58	190	100	20
		311	37	27 / 37	27	213	58	255	100	20
	196	196	37	27 / 37	27	84	84	132	132	25
		246	37	27 / 37	27	134	84	182	132	25
		311	37	27 / 37	27	199	84	247	132	25
		396	37	27 / 37	27	284	84	332	132	25
		496	47	37 / 47	27	368	68	424	124	32
		626	47	37 / 47	27	498	68	554	124	32
	246	246	47	37 / 47	27	118	118	174	174	32
		311	47	37 / 47	27	183	118	239	174	32
		396	47	37 / 47	27	268	118	324	174	32
		496	47	37 / 47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	47	37 / 47	27	183	183	239	239	32
		396	47	37 / 47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

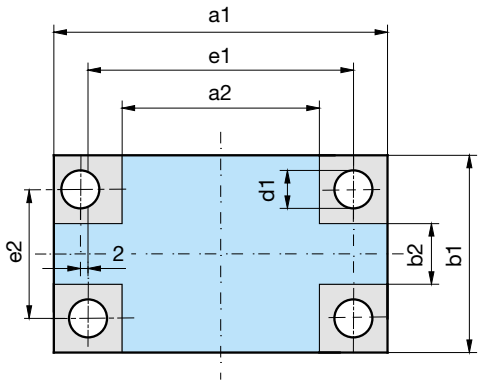
Auswahl Gestellplatten

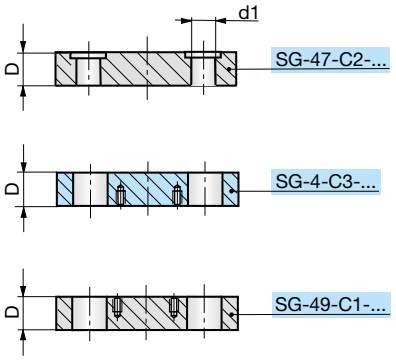
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-49-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-49-C1/ SG-47-C2/ SG-4-C3	156	156	27 / 37	37	27	48	48	100	100	20
		196	27 / 37	37	27	88	48	140	100	20
		246	27 / 37	37	27	138	48	190	100	20
		311	27 / 37	37	27	203	48	255	100	20
	196	196	27 / 37	37	27	74	74	132	132	25
		246	27 / 37	37	27	124	74	182	132	25
		311	27 / 37	37	27	189	74	247	132	25
		396	27 / 37	37	27	274	74	332	132	25
		496	37 / 47	47	27	360	60	424	124	32
		626	37 / 47	47	27	490	60	554	124	32
	246	246	37 / 47	47	27	110	110	174	174	32
		311	37 / 47	47	27	175	110	239	174	32
		396	37 / 47	47	27	260	110	324	174	32
		496	37 / 47	47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	37 / 47	47	27	175	175	239	239	32
		396	37 / 47	47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit oben hängenden Säulen

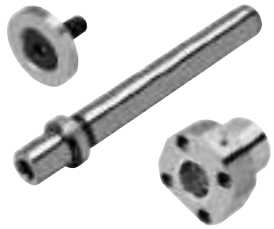
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

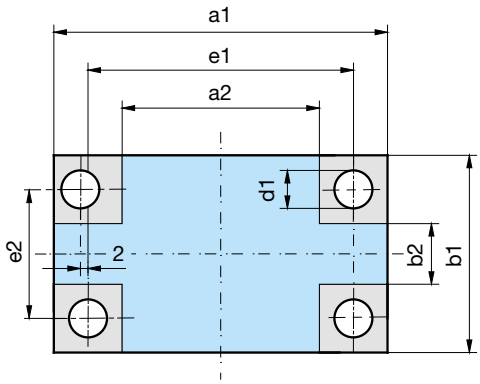
Auswahl Gestellplatten

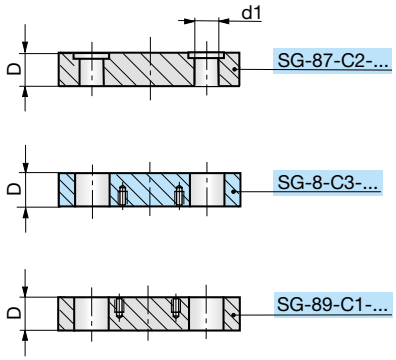
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page





SG-89-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-89-C1/ SG-87-C2/ SG-8-C3	156	156	37	37	27	58	58	100	100	20
		196	37	37	27	98	58	140	100	20
		246	37	37	27	148	58	190	100	20
		311	37	37	27	213	58	255	100	20
	196	196	37	37	27	84	84	132	132	25
		246	37	37	27	134	84	182	132	25
		311	37	37	27	199	84	247	132	25
		396	37	37	27	284	84	332	132	25
		496	47	47	27	368	68	424	124	32
		626	47	47	27	498	68	554	124	32
	246	246	47	47	27	118	118	174	174	32
		311	47	47	27	183	118	239	174	32
		396	47	47	27	268	118	324	174	32
		496	47	47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	47	47	27	183	183	239	239	32
		396	47	47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

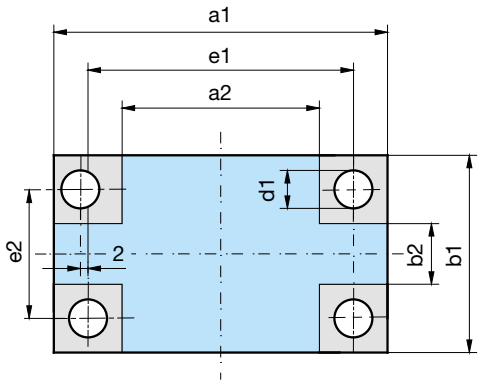
Auswahl Gestellplatten

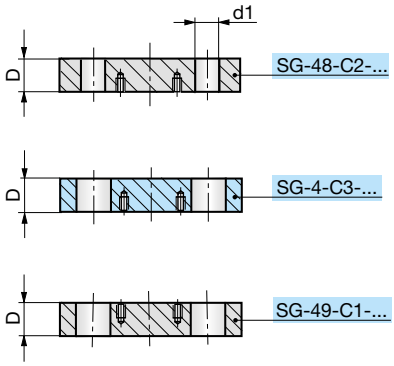
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
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SG-49-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-49-C1/ SG-48-C2/ SG-4-C3	156	156	27 / 37	27 / 37	27	48	48	100	100	20
		196	27 / 37	27 / 37	27	88	48	140	100	20
		246	27 / 37	27 / 37	27	138	48	190	100	20
		311	27 / 37	27 / 37	27	203	48	255	100	20
	196	196	27 / 37	27 / 37	27	74	74	132	132	25
		246	27 / 37	27 / 37	27	124	74	182	132	25
		311	27 / 37	27 / 37	27	189	74	247	132	25
		396	27 / 37	27 / 37	27	274	74	332	132	25
		496	37 / 47	37 / 47	27	360	60	424	124	32
		626	37 / 47	37 / 47	27	490	60	554	124	32
	246	246	37 / 47	37 / 47	27	110	110	174	174	32
		311	37 / 47	37 / 47	27	175	110	239	174	32
		396	37 / 47	37 / 47	27	260	110	324	174	32
		496	37 / 47	37 / 47	27	360	110	424	174	32
		626	47 / 57	47 / 57	27	470	90	542	162	40
		706	47 / 57	47 / 57	27	550	90	622	162	40
	311	311	37 / 47	37 / 47	27	175	175	239	239	32
		396	37 / 47	37 / 47	27	260	175	324	239	32
		496	47 / 57	47 / 57	27	340	155	412	227	40
		626	47 / 57	47 / 57	27	470	155	542	227	40
		706	47 / 57	47 / 57	27	550	155	622	227	40
		796	47 / 57	47 / 57	27	640	155	712	227	40
	396	396	47 / 57	47 / 57	37	240	240	312	312	40
		496	47 / 57	47 / 57	37	340	240	412	312	40
		626	57 / 67	57 / 67	37	448	218	530	300	50
		706	57 / 67	57 / 67	37	528	218	610	300	50
		796	57 / 67	57 / 67	37	618	218	700	300	50
	496	496	57 / 67	57 / 67	37	318	318	400	400	50
		626	57 / 67	57 / 67	37	448	318	530	400	50
		706	57 / 67	57 / 67	37	528	318	610	400	50
		796	57 / 67	57 / 67	37	618	318	700	400	50
	626	626	57 / 67	57 / 67	37	448	448	530	530	50
		706	57 / 67	57 / 67	37	528	448	610	530	50
		796	57 / 67	57 / 67	37	618	448	700	530	50

Combi-Säulengestelle mit oben hängenden Säulen

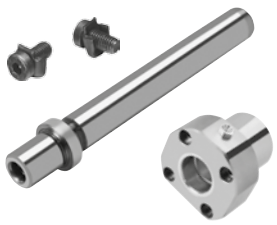
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

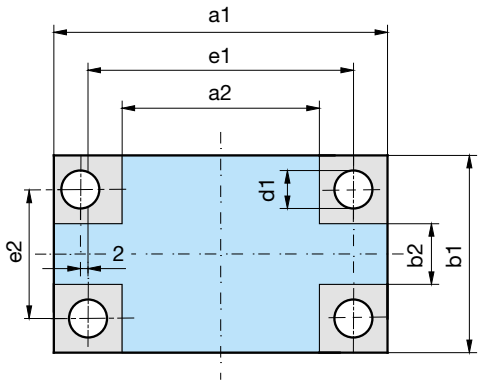
Auswahl Gestellplatten

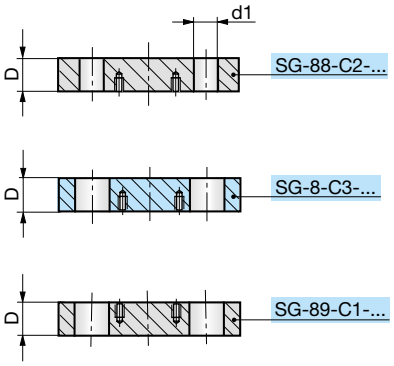
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
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SG-89-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	C3 D	a2	b2	e1	e2	Ød1
SG-89-C1/ SG-88-C2/ SG-8-C3	156	156	37	27 / 37	27	58	58	100	100	20
		196	37	27 / 37	27	98	58	140	100	20
		246	37	27 / 37	27	148	58	190	100	20
		311	37	27 / 37	27	213	58	255	100	20
	196	196	37	27 / 37	27	84	84	132	132	25
		246	37	27 / 37	27	134	84	182	132	25
		311	37	27 / 37	27	199	84	247	132	25
		396	37	27 / 37	27	284	84	332	132	25
		496	47	37 / 47	27	368	68	424	124	32
		626	47	37 / 47	27	498	68	554	124	32
	246	246	47	37 / 47	27	118	118	174	174	32
		311	47	37 / 47	27	183	118	239	174	32
		396	47	37 / 47	27	268	118	324	174	32
		496	47	37 / 47	27	368	118	424	174	32
		626	47 / 57	47 / 57	27	474	94	542	162	40
		706	47 / 57	47 / 57	27	554	94	622	162	40
	311	311	47	37 / 47	27	183	183	239	239	32
		396	47	37 / 47	27	268	183	324	239	32
		496	47 / 57	47 / 57	27	344	159	412	227	40
		626	47 / 57	47 / 57	27	474	159	542	227	40
		706	47 / 57	47 / 57	27	554	159	622	227	40
		796	47 / 57	47 / 57	27	644	159	712	227	40
	396	396	47 / 57	47 / 57	37	244	244	312	312	40
		496	47 / 57	47 / 57	37	344	244	412	312	40
		626	57 / 67	57 / 67	37	452	222	530	300	50
		706	57 / 67	57 / 67	37	532	222	610	300	50
		796	57 / 67	57 / 67	37	622	222	700	300	50
	496	496	57 / 67	57 / 67	37	322	322	400	400	50
		626	57 / 67	57 / 67	37	452	322	530	400	50
		706	57 / 67	57 / 67	37	532	322	610	400	50
		796	57 / 67	57 / 67	37	622	322	700	400	50
	626	626	57 / 67	57 / 67	37	452	452	530	530	50
		706	57 / 67	57 / 67	37	532	452	610	530	50
		796	57 / 67	57 / 67	37	622	452	700	530	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

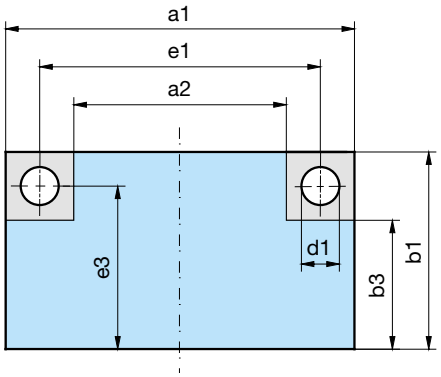
Auswahl Gestellplatten

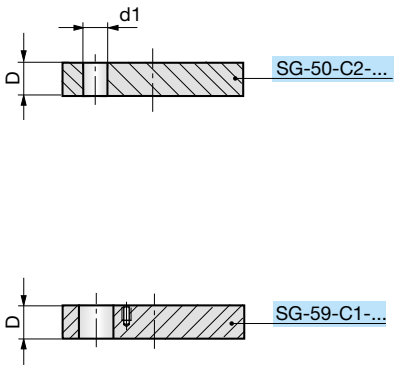
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.58
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SG-59-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-59-C1/ SG-50-C2	156	156	27 / 37	27 / 37	48	102	100	128	20
		196	27 / 37	27 / 37	88	102	140	128	20
		246	27 / 37	27 / 37	138	102	190	128	20
		311	27 / 37	27 / 37	203	102	255	128	20
	196	196	27 / 37	27 / 37	74	135	132	164	25
		246	27 / 37	27 / 37	124	135	182	164	25
		311	27 / 37	27 / 37	189	135	247	164	25
		396	27 / 37	27 / 37	274	135	332	164	25
		496	37 / 47	37 / 47	360	128	424	160	32
		626	37 / 47	37 / 47	490	128	554	160	32
	246	246	37 / 47	37 / 47	110	178	174	210	32
		311	37 / 47	37 / 47	175	178	239	210	32
		396	37 / 47	37 / 47	260	178	324	210	32
		496	37 / 47	37 / 47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	37 / 47	37 / 47	175	243	239	275	32
		396	37 / 47	37 / 47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

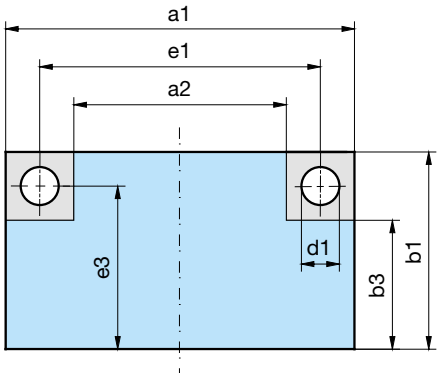
Auswahl Gestellplatten

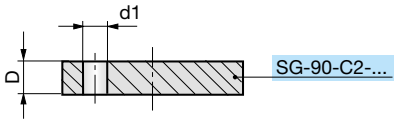
Selection die set plates

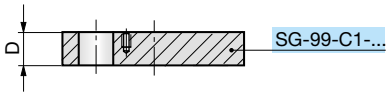
Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.60
voir page







SG-99-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-99-C1/ SG-90-C2	156	156	37	27 / 37	58	107	100	128	20
		196	37	27 / 37	98	107	140	128	20
		246	37	27 / 37	148	107	190	128	20
		311	37	27 / 37	213	107	255	128	20
	196	196	37	27 / 37	84	140	132	164	25
		246	37	27 / 37	134	140	182	164	25
		311	37	27 / 37	199	140	247	164	25
		396	37	27 / 37	284	140	332	164	25
		496	47	37 / 47	368	132	424	160	32
		626	47	37 / 47	498	132	554	160	32
	246	246	47	37 / 47	118	182	174	210	32
		311	47	37 / 47	183	182	239	210	32
		396	47	37 / 47	268	182	324	210	32
		496	47	37 / 47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	47	37 / 47	183	247	239	275	32
		396	47	37 / 47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Combi-Säulengestelle mit oben hängenden Säulen

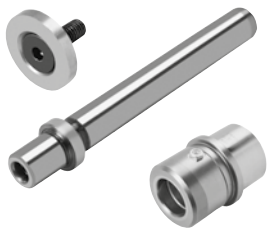
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

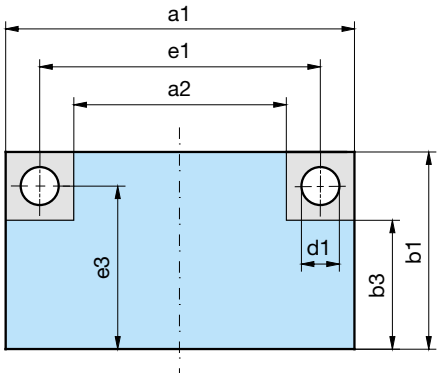
Auswahl Gestellplatten

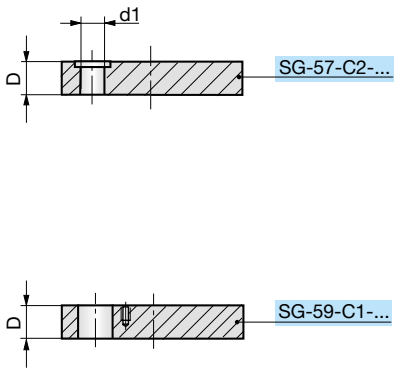
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.62
voir page





SG-59-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-59-C1/ SG-57-C2	156	156	27 / 37	37	48	102	100	128	20
		196	27 / 37	37	88	102	140	128	20
		246	27 / 37	37	138	102	190	128	20
		311	27 / 37	37	203	102	255	128	20
	196	196	27 / 37	37	74	135	132	164	25
		246	27 / 37	37	124	135	182	164	25
		311	27 / 37	37	189	135	247	164	25
		396	27 / 37	37	274	135	332	164	25
		496	37 / 47	47	360	128	424	160	32
		626	37 / 47	47	490	128	554	160	32
	246	246	37 / 47	47	110	178	174	210	32
		311	37 / 47	47	175	178	239	210	32
		396	37 / 47	47	260	178	324	210	32
		496	37 / 47	47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	37 / 47	47	175	243	239	275	32
		396	37 / 47	47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit oben hängenden Säulen

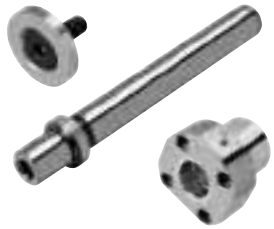
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

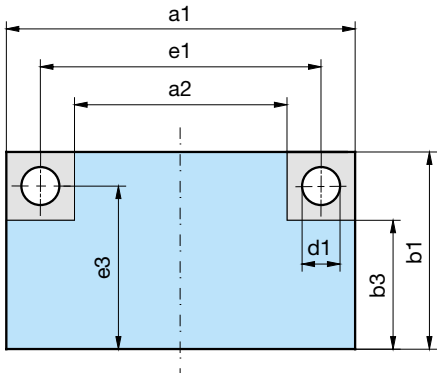
Auswahl Gestellplatten

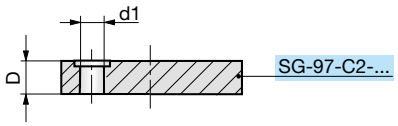
Selection die set plates

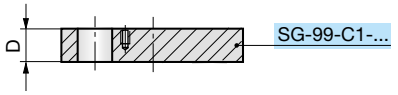
Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.64
voir page







SG-99-C1-
b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-99-C1/ SG-97-C2	156	156	37	37	58	107	100	128	20
		196	37	37	98	107	140	128	20
		246	37	37	148	107	190	128	20
		311	37	37	213	107	255	128	20
	196	196	37	37	84	140	132	164	25
		246	37	37	134	140	182	164	25
		311	37	37	199	140	247	164	25
		396	37	37	284	140	332	164	25
		496	47	47	368	132	424	160	32
		626	47	47	498	132	554	160	32
	246	246	47	47	118	182	174	210	32
		311	47	47	183	182	239	210	32
		396	47	47	268	182	324	210	32
		496	47	47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	47	47	183	247	239	275	32
		396	47	47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Combi-Säulengestelle mit oben hängenden Säulen

Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

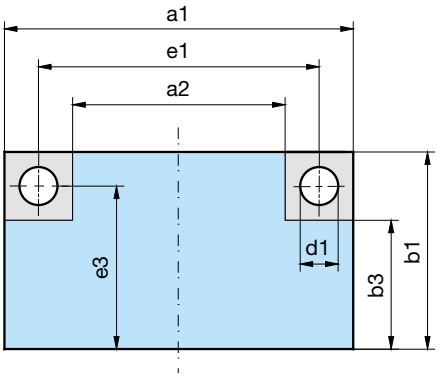
Auswahl Gestellplatten

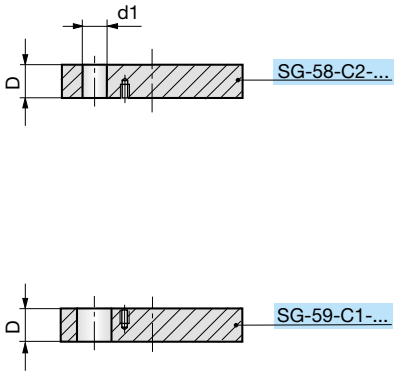
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.66
voir page





SG-59-C1-b1-a1-D-Mat

Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-59-C1/ SG-58-C2	156	156	27 / 37	27 / 37	48	102	100	128	20
		196	27 / 37	27 / 37	88	102	140	128	20
		246	27 / 37	27 / 37	138	102	190	128	20
		311	27 / 37	27 / 37	203	102	255	128	20
	196	196	27 / 37	27 / 37	74	135	132	164	25
		246	27 / 37	27 / 37	124	135	182	164	25
		311	27 / 37	27 / 37	189	135	247	164	25
		396	27 / 37	27 / 37	274	135	332	164	25
		496	37 / 47	37 / 47	360	128	424	160	32
		626	37 / 47	37 / 47	490	128	554	160	32
	246	246	37 / 47	37 / 47	110	178	174	210	32
		311	37 / 47	37 / 47	175	178	239	210	32
		396	37 / 47	37 / 47	260	178	324	210	32
		496	37 / 47	37 / 47	360	178	424	210	32
		626	47 / 57	47 / 57	470	168	542	204	40
		706	47 / 57	47 / 57	550	168	622	204	40
	311	311	37 / 47	37 / 47	175	243	239	275	32
		396	37 / 47	37 / 47	260	243	324	275	32
		496	47 / 57	47 / 57	340	233	412	269	40
		626	47 / 57	47 / 57	470	233	542	269	40
		706	47 / 57	47 / 57	550	233	622	269	40
		796	47 / 57	47 / 57	640	233	712	269	40
	396	396	47 / 57	47 / 57	240	318	312	354	40
		496	47 / 57	47 / 57	340	318	412	354	40
		626	57 / 67	57 / 67	448	307	530	348	50
		706	57 / 67	57 / 67	528	307	610	348	50
		796	57 / 67	57 / 67	618	307	700	348	50
	496	496	57 / 67	57 / 67	318	407	400	448	50
		626	57 / 67	57 / 67	448	407	530	448	50
		706	57 / 67	57 / 67	528	407	610	448	50
		796	57 / 67	57 / 67	618	407	700	448	50
	626	626	57 / 67	57 / 67	448	537	530	578	50
		706	57 / 67	57 / 67	528	537	610	578	50
		796	57 / 67	57 / 67	618	537	700	578	50

Combi-Säulengestelle mit oben hängenden Säulen

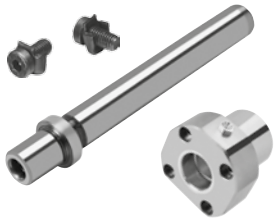
Combi-die sets with aerial-mounted columns

Combi-blocs à colonnes avec colonnes montées en haut

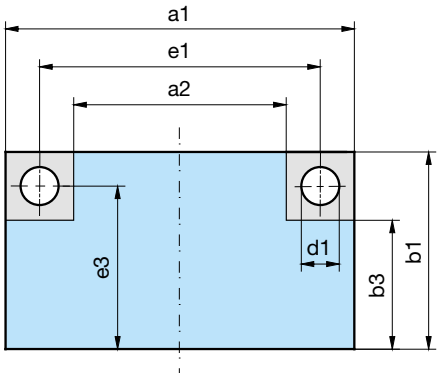
Auswahl Gestellplatten

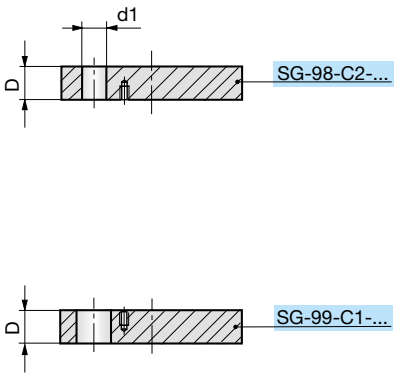
Selection die set plates

Sélection des plaques de bloc à colonnes



siehe Seite
see page 4.68
voir page





SG-99-C1-
b1-a1-D-Mat

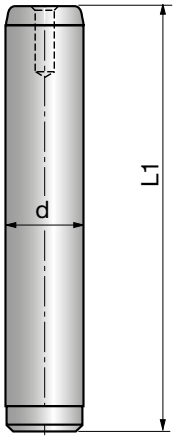
Mat.: 1.1730/C45W

Mat.: 3.4365 (AL)
auf Anfrage / on request / sur demande

SG	b1	a1	C1 D	C2 D	a2	b3	e1	e3	Ød1
SG-99-C1/ SG-98-C2	156	156	37	27 / 37	58	107	100	128	20
		196	37	27 / 37	98	107	140	128	20
		246	37	27 / 37	148	107	190	128	20
		311	37	27 / 37	213	107	255	128	20
	196	196	37	27 / 37	84	140	132	164	25
		246	37	27 / 37	134	140	182	164	25
		311	37	27 / 37	199	140	247	164	25
		396	37	27 / 37	284	140	332	164	25
		496	47	37 / 47	368	132	424	160	32
		626	47	37 / 47	498	132	554	160	32
	246	246	47	37 / 47	118	182	174	210	32
		311	47	37 / 47	183	182	239	210	32
		396	47	37 / 47	268	182	324	210	32
		496	47	37 / 47	368	182	424	210	32
		626	47 / 57	47 / 57	474	170	542	204	40
		706	47 / 57	47 / 57	554	170	622	204	40
	311	311	47	37 / 47	183	247	239	275	32
		396	47	37 / 47	268	247	324	275	32
		496	47 / 57	47 / 57	344	235	412	269	40
		626	47 / 57	47 / 57	474	235	542	269	40
		706	47 / 57	47 / 57	554	235	622	269	40
		796	47 / 57	47 / 57	644	235	712	269	40
	396	396	47 / 57	47 / 57	244	320	312	354	40
		496	47 / 57	47 / 57	344	320	412	354	40
		626	57 / 67	57 / 67	452	309	530	348	50
		706	57 / 67	57 / 67	532	309	610	348	50
		796	57 / 67	57 / 67	622	309	700	348	50
	496	496	57 / 67	57 / 67	322	409	400	448	50
		626	57 / 67	57 / 67	452	409	530	448	50
		706	57 / 67	57 / 67	532	409	610	448	50
		796	57 / 67	57 / 67	622	409	700	448	50
	626	626	57 / 67	57 / 67	452	539	530	578	50
		706	57 / 67	57 / 67	532	539	610	578	50
		796	57 / 67	57 / 67	622	539	700	578	50

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Führungssäulen eingepresst | Guide pillars pressed-in | Colonnes de guidage sertie



Z 4310-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

Z 4310-d-L

d	L
19/20	100
	110
	120
	130
	140
	150
	160
	170
	180
	190
	200
	220
	240
	250
	260
	280
	300
	360
	400

d	L1
24/25	100
	110
	120
	125
	130
	140
	150
	160
	170
	180
	190
	200
	210
	220
	230
	240
	250
	260
	280
	300
	320
	360
	400
	450

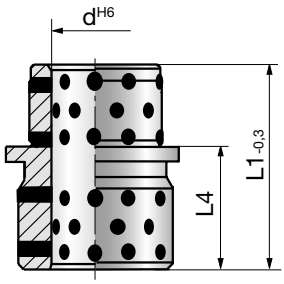
d	L1
30/32	120
	130
	140
	150
	160
	170
	180
	190
	200
	210
	220
	240
	250
	260
	280
	300
	320
	340
	360
	380
	400
	450
	500

d	L1
38/40	140
	150
	160
	170
	180
	190
	200
	210
	220
	230
	240
	250
	260
	270
	280
	300
	320
	340
	360
	380
	400
	450
	500

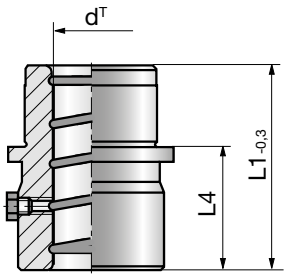
d	L1
48/50	170
	180
	190
	200
	210
	220
	240
	250
	260
	280
	300
	320
	340
	360
	380
	400
	450
	500

Führungsbuchsen mit Bund | Guide bushes with collar | Bagues de guidage avec épaulement

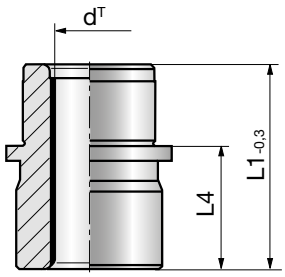
SN 4190-



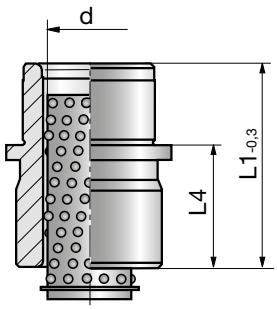
Z 4411-



Z 4412-



Z 4415-



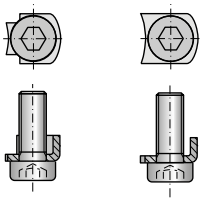
SN 4190-	Mat.: Bronze 190 -220 HB 190 S10/3000 DIN 9834/ ISO 9448 < 150 °C	**Z 4411-**	Mat.:1.1740 HRC 52 ±2+**CuSn12** ~DIN 9831-1/ISO 9448
SN 4190-d-L1		Z 4411-d-L1-T	
Z 4412-	Mat.-Nr. 1.0501 **Sint-B50+MoS2** ~DIN 9831-1/ISO 9448	**Z 4415-**	Mat.: 1.3505/ 63±2HRC+CuZn40 ~DIN 9831-2/ISO 9448
Z 4412-d-L1-T		Z 4415-d-L1	

a) siehe Seite Info 4.75
see page Info 4.77
voir page Info 4.79

T = B ≙ Standard

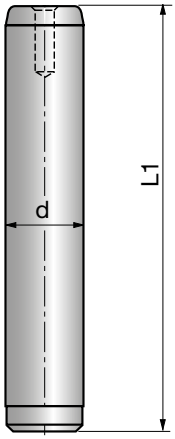
d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	T a)
19/20	32	12	24/25	35	12	30/32	42	12	38/40	50	15	48/50	65	20	A/B/C
	50	30		60	37		75	45		80	45		90	45	A/B/C
	70	50		80	57		95	65		110	75		120	75	A/B/C

Type 1 Type 2



Z 4325-	Mat.:1.0330	**Type**	**d**
Z 4325-Type		1	16 - 32
		2	38 - 80

Führungssäulen eingepresst | Guide pillars pressed-in | Colonnes de guidage sertie



Z 4310-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

Z 4310-d-L

d	L
19/20	100
	110
	120
	130
	140
	150
	160
	170
	180
	190
	200
	220
	240
	250
	260
	280
	300
	360
	400

d	L1
24/25	100
	110
	120
	125
	130
	140
	150
	160
	170
	180
	190
	200
	210
	220
	230
	240
	250
	260
	280
	300
	320
	360
	400
	450

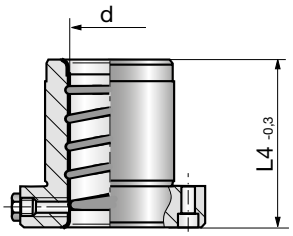
d	L1
30/32	120
	130
	140
	150
	160
	170
	180
	190
	200
	210
	220
	240
	250
	260
	280
	300
	320
	340
	360
	380
	400
	450
	500

d	L1
38/40	140
	150
	160
	170
	180
	190
	200
	210
	220
	230
	240
	250
	260
	270
	280
	300
	320
	340
	360
	380
	400
	450
	500

d	L1
48/50	170
	180
	190
	200
	210
	220
	240
	250
	260
	280
	300
	320
	340
	360
	380
	400
	450
	500

Führungsbuchsen mit Flansch | Guide bushes with flange | Bagues de guidage avec collerette

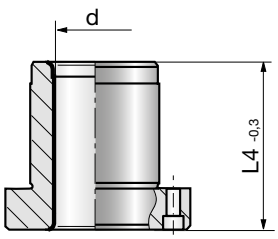
SN 1766-



SN 1766- Mat.: 1.1740 52 ±2HRC+**CuSn12**

SN 1766-d-L4-T

SN 1769-



SN 1769- Mat.: 1.0501 **Sint-B50+MoS2**

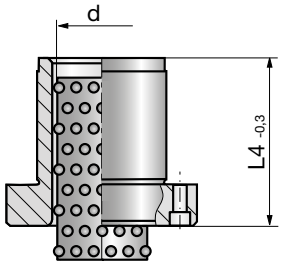
SN 1769-d-L4-T

[a] siehe Seite Info 4.75
see page Info 4.77
voir page Info 4.79
T = B ≙ Standard

4

d	L4	d	L4	d	L4	d	L4	d	L4	T [a]
19/20	35	24/25	40	30/32	50	38/40	60	48/50	80	A/B/C
	50		60		75		85		100	A/B/C

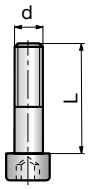
SN 1778-



SN 1778- Mat.: 1.3505 63±2HRC+CuZn40

SN 1778-d-L4

d	L4	d	L4	d	L4	d	L4	d	L4
19/20	38	24/25	40	30/32	47	38/40	56	48/50	66
	51		60		70		80		90



SN 3500- DIN EN ISO 4762-10.9

SN 3500-d-L

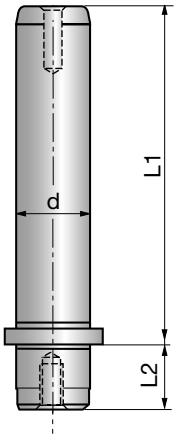
d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4	d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4
M4	12	19/20	35	38	M6	25	38/40	60	56
	25		50	51		40		85	80
M5	16	24/25	40	40	M8	35	48/50	80	66
	25		60	60		45		100	90
	16	30/32	50	47					
	30		75	70					

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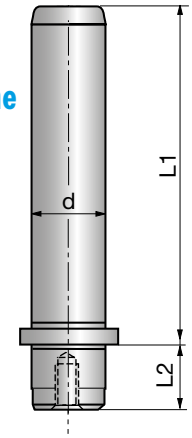
Führungssäulen mit Bund und Halteschreiben

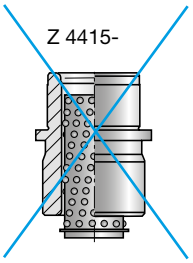
Guide pillars with collar and retaining plates

Colonnes de guidage avec épaulement et rondelles de fixation



light line





SN 4321-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4321-d-L1

SN 4322-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4322-d-L1

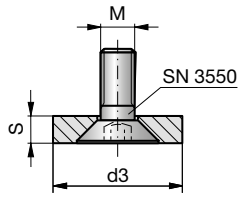
d	L1	L2
19/20	100	23
	112	23
	125	23
	140	23
	160	23
	180	23
	200	23

d	L1	L2
24/25	100	30
	112	30
	125	30
	140	30
	160	30
	180	30
	200	30
	224	30
	250	30

d	L1	L2
30/32	112	37
	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37

d	L1	L2
38/40	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37
	355	37

d	L1	L2
48/50	140	47
	160	47
	180	47
	200	47
	224	47
	250	47
	280	47
	315	47
	355	47
	400	47



SN 1707-

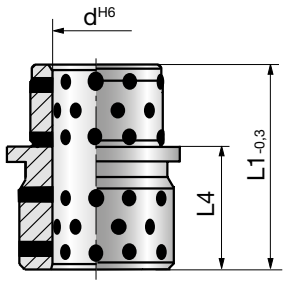
Mat.: 1.0718

SN 1707-d3-M

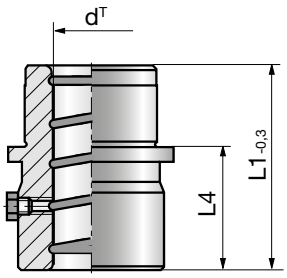
d3	M	d	S
25	M8	19/20	5,5
32	M8	24/25	5,5
40	M8	30/32	7,5
50	M8	38/40	9,5
60	M8	48/50	9,5

Führungsbuchsen mit Bund | Guide bushes with collar | Bagues de guidage avec épaulement

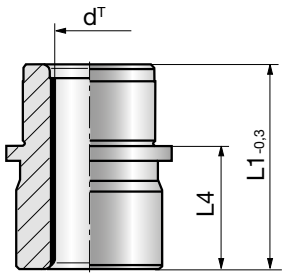
SN 4190-



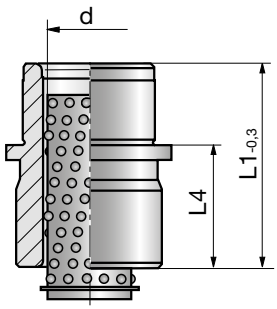
Z 4411-



Z 4412-



Z 4415-

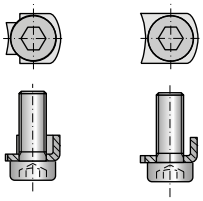


SN 4190-	Mat.: Bronze 190 -220 HB 190 S10/3000 DIN 9834/ ISO 9448 < 150 °C	**Z 4411-**	Mat.:1.1740 HRC 52 ±2+**CuSn12** ~DIN 9831-1/ISO 9448
SN 4190-d-L1		Z 4411-d-L1-T	
Z 4412-	Mat.-Nr. 1.0501 **Sint-B50+MoS2** ~DIN 9831-1/ISO 9448	**Z 4415-**	Mat.: 1.3505/ 63±2HRC+CuZn40 ~DIN 9831-2/ISO 9448
Z 4412-d-L1-T		Z 4415-d-L1	

[a] siehe Seite Info 4.75
see page Info 4.77
voir page Info 4.79
T = B ≙ Standard

d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	T [a]
19/20	32	12	24/25	35	12	30/32	42	12	38/40	50	15	48/50	65	20	A/B/C
	50	30		60	37		75	45		80	45		90	45	A/B/C
	70	50		80	57		95	65		110	75		120	75	A/B/C

Type 1 Type 2

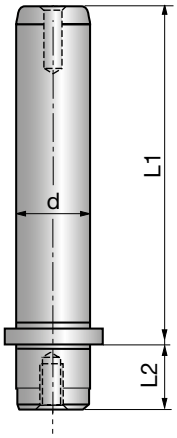


Z 4325-	Mat.:1.0330	**Type**	**d**
Z 4325-Type		1	16 - 32
		2	38 - 80

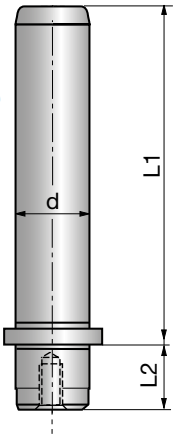
Führungssäulen mit Bund und Halteschreiben

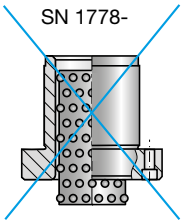
Guide pillars with collar and retaining plates

Colonnes de guidage avec épaulement et rondelles de fixation



light line





SN 4321-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4321-d-L1

SN 4322-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4322-d-L1

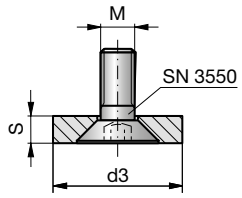
d	L1	L2
19/20	100	23
	112	23
	125	23
	140	23
	160	23
	180	23
	200	23

d	L1	L2
24/25	100	30
	112	30
	125	30
	140	30
	160	30
	180	30
	200	30
	224	30
	250	30

d	L1	L2
30/32	112	37
	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37

d	L1	L2
38/40	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37
	355	37

d	L1	L2
48/50	140	47
	160	47
	180	47
	200	47
	224	47
	250	47
	280	47
	315	47
	355	47
	400	47



SN 1707-

Mat.: 1.0718

SN 1707-d3-M

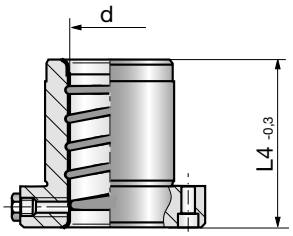
d3	M	d	S
25	M8	19/20	5,5
32	M8	24/25	5,5
40	M8	30/32	7,5
50	M8	38/40	9,5
60	M8	48/50	9,5

Führungsbuchsen mit Flansch

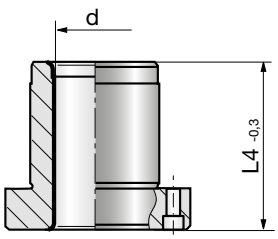
Guide bushes with flange

Bagues de guidage avec collerette

SN 1766-



SN 1769-



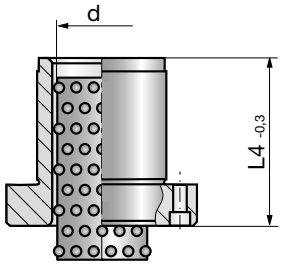
SN 1766-	Mat.: 1.1740 52 ±2HRC+**CuSn12**
SN 1766-d-L4-T	

SN 1769-	Mat.: 1.0501 **Sint-B50+MoS2**
SN 1769-d-L4-T	

[a] siehe Seite Info 4.75
see page Info 4.77
voir page Info 4.79
T = B ≙ Standard

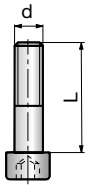
d	L4	d	L4	d	L4	d	L4	d	L4	T [a]
19/20	35	24/25	40	30/32	50	38/40	60	48/50	80	A/B/C
	50		60		75		85		100	A/B/C

SN 1778-



SN 1778-	Mat.: 1.3505 63±2HRC+CuZn40
SN 1778-d-L4	

d	L4	d	L4	d	L4	d	L4	d	L4
19/20	38	24/25	40	30/32	47	38/40	56	48/50	66
	51		60		70		80		90



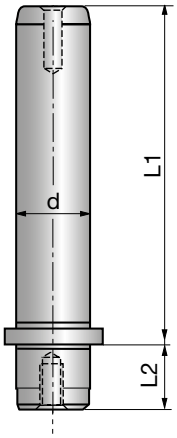
SN 3500-	DIN EN ISO 4762-10.9
SN 3500-d-L	

d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4	d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4
M4	12	19/20	35	38	M6	25	38/40	60	56
	25		50	51		40		85	80
M5	16	24/25	40	40	M8	35	48/50	80	66
	25		60	60		45		100	90
	16	30/32	50	47					
	30		75	70					

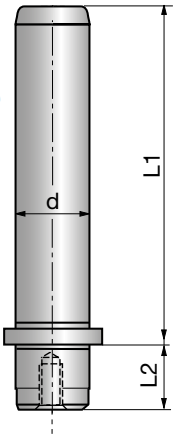
Führungssäulen mit Bund und Halteklammern

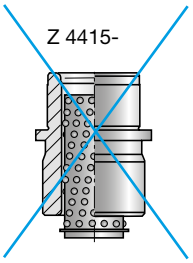
Guide pillars with collar and fixing devices

Colonnes de guidage avec épaulement et brides de fixation



light line





SN 4321- Mat.: 1.0503/63±2HRC ~ DIN 9825-2/ISO 9182

SN 4321-d-L1

SN 4322- Mat.: 1.0503/63±2HRC ~ DIN 9825-2/ISO 9182

SN 4322-d-L1

d	L1	L2
19/20	100	23
	112	23
	125	23
	140	23
	160	23
	180	23
	200	23

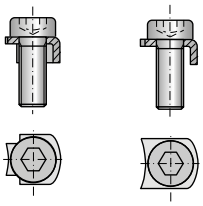
d	L1	L2
24/25	100	30
	112	30
	125	30
	140	30
	160	30
	180	30
	200	30
	224	30
	250	30

d	L1	L2
30/32	112	37
	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37

d	L1	L2
38/40	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37
	355	37

d	L1	L2
48/50	140	47
	160	47
	180	47
	200	47
	224	47
	250	47
	280	47
	315	47
	355	47
	400	47

Type 1 Type 2



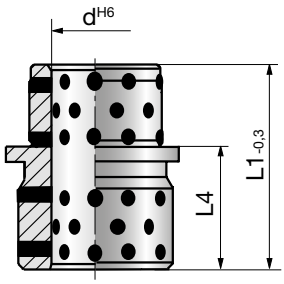
Z 4325- Mat.:1.0330

Z 4325-Type

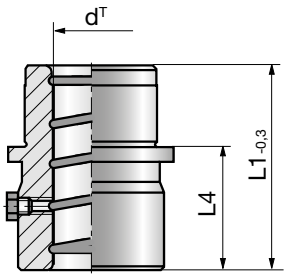
Type	d
1	16 - 32
2	38 - 80

Führungsbuchsen mit Bund | Guide bushes with collar | Bagues de guidage avec épaulement

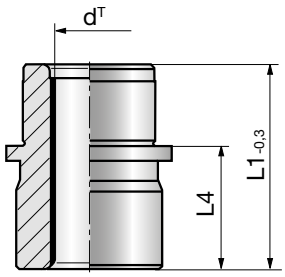
SN 4190-



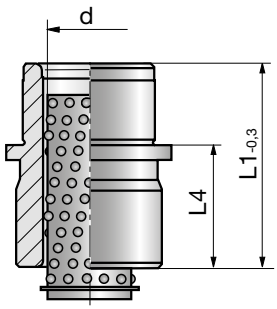
Z 4411-



Z 4412-



Z 4415-

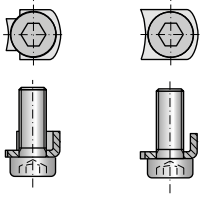


SN 4190-	Mat.: Bronze 190 -220 HB 190 S10/3000 DIN 9834/ ISO 9448 < 150 °C	**Z 4411-**	Mat.:1.1740 HRC 52 ±2+**CuSn12** ~DIN 9831-1/ISO 9448
SN 4190-d-L1		Z 4411-d-L1-T	
Z 4412-	Mat.-Nr. 1.0501 **Sint-B50+MoS2** ~DIN 9831-1/ISO 9448	**Z 4415-**	Mat.: 1.3505/ 63±2HRC+CuZn40 ~DIN 9831-2/ISO 9448
Z 4412-d-L1-T		Z 4415-d-L1	

[a] siehe Seite Info 4.75
see page Info 4.77
voir page Info 4.79
T = B ≙ Standard

d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	d	L1	L4	T [a]
19/20	32	12	24/25	35	12	30/32	42	12	38/40	50	15	48/50	65	20	A/B/C
	50	30		60	37		75	45		80	45		90	45	A/B/C
	70	50		80	57		95	65		110	75		120	75	A/B/C

Type 1 Type 2

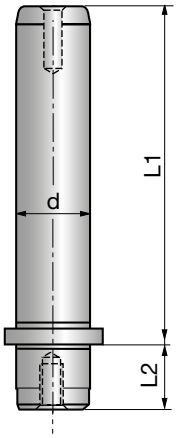


Z 4325-	Mat.:1.0330	**Type**	**d**
Z 4325-Type		1	16 - 32
		2	38 - 80

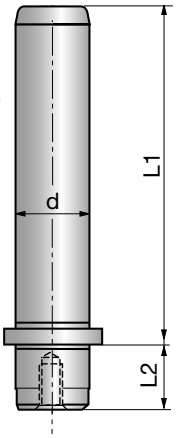
Führungssäulen mit Bund und Halteklammern

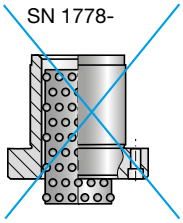
Guide pillars with collar and fixing devices

Colonnes de guidage avec épaulement et brides de fixation



light line





SN 4321-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4321-d-L1

SN 4322-

Mat.: 1.0503/63±2HRC
~ DIN 9825-2/ISO 9182

SN 4322-d-L1

d	L1	L2
19/20	100	23
	112	23
	125	23
	140	23
	160	23
	180	23
	200	23

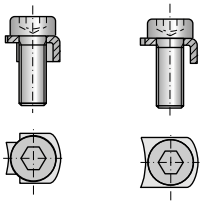
d	L1	L2
24/25	100	30
	112	30
	125	30
	140	30
	160	30
	180	30
	200	30
	224	30
	250	30

d	L1	L2
30/32	112	37
	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37

d	L1	L2
38/40	125	37
	140	37
	160	37
	180	37
	200	37
	224	37
	250	37
	280	37
	315	37
	355	37

d	L1	L2
48/50	140	47
	160	47
	180	47
	200	47
	224	47
	250	47
	280	47
	315	47
	355	47
	400	47

Type 1 Type 2



Z 4325-

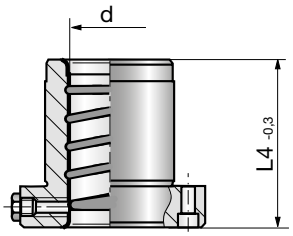
Mat.:1.0330

Z 4325-Type

Type	d
1	16 - 32
2	38 - 80

Führungsbuchsen mit Flansch | Guide bushes with flange | Bagues de guidage avec collerette

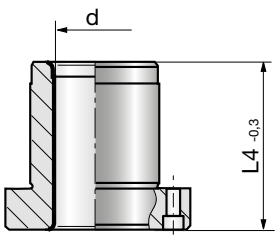
SN 1766-



SN 1766- Mat.: 1.1740 52 ±2HRC+**CuSn12**

SN 1766-d-L4-T

SN 1769-



SN 1769- Mat.: 1.0501 **Sint-B50+MoS2**

SN 1769-d-L4-T

[a] siehe Seite Info 4.75
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voir page Info 4.79
T = B ≙ Standard

d	L4
19/20	35
	50

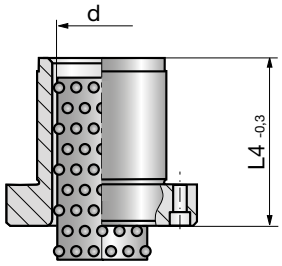
d	L4
24/25	40
	60

d	L4
30/32	50
	75

d	L4
38/40	60
	85

d	L4	T [a]
48/50	80	A/B/C
	100	A/B/C

SN 1778-



SN 1778- Mat.: 1.3505 63±2HRC+CuZn40

SN 1778-d-L4

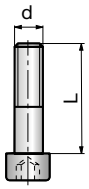
d	L4
19/20	38
	51

d	L4
24/25	40
	60

d	L4
30/32	47
	70

d	L4
38/40	56
	80

d	L4
48/50	66
	90



SN 3500- DIN EN ISO 4762-10.9

SN 3500-d-L

d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4
M4	12	19/20	35	38
	25		50	51
M5	16	24/25	40	40
	25		60	60
	16	30/32	50	47
	30		75	70

d	L	Ø	SN 1766 SN 1769 L4	SN 1778 L4
M6	25	38/40	60	56
	40		85	80
M8	35	48/50	80	66
	45		100	90

☐ Anfrage / Inquiry / Demande de devis
☐ Auftrag / Order / Bon de commande

1 / 2

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58511 Lüdenscheid
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Fax: 0 23 51 / 87 01-100
E-Mail: info@strack.de

Firma / Company / Société

Straße / Street / Rue

Ort / Town / Ville

Name / Nom

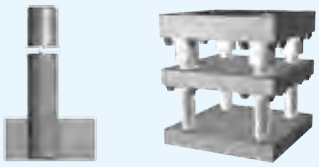
Tel., Fax

Auftrags-Nr. / Order No. / V/Réf. | Dat.

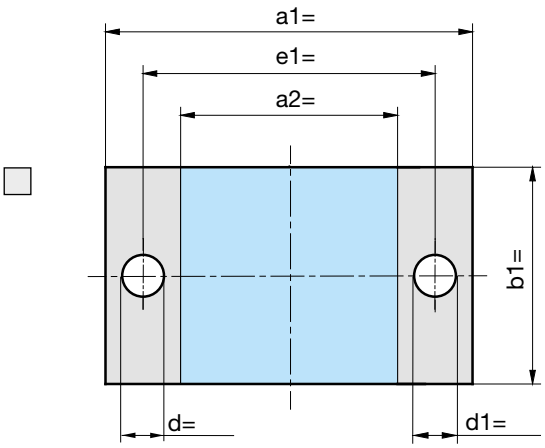
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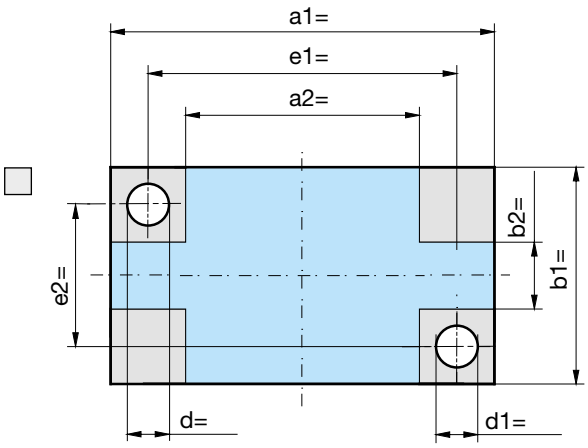
☐ Mat.: 1.1730
☐ Mat.: 3.4365 (AL)

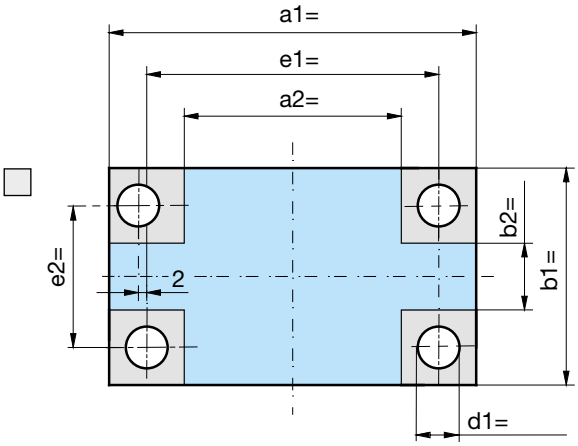
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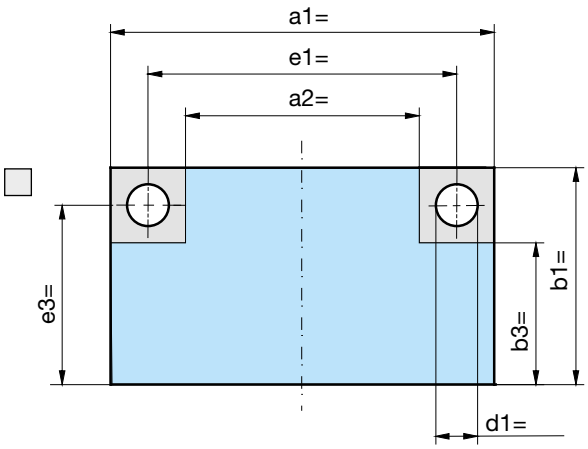
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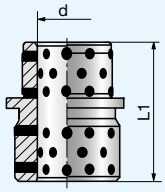
☐ Auftrag / Order / Bon de commande

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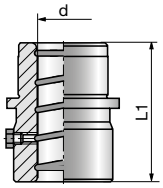
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SN 4190-



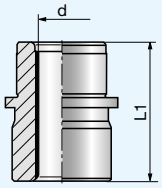
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190 S10/3000

Z 4411-



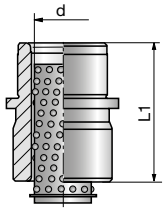
Mat.:1.1740
HRC 52 ±2+**CuSn12**

Z 4412-



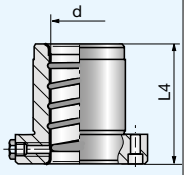
Mat.-Nr. 1.0501
Sint-B50+MoS2

Z 4415-



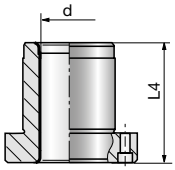
Mat.: 1.3505/
63±2HRC+CuZn40

SN 1766-



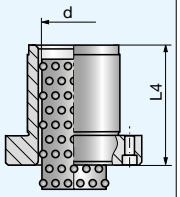
Mat.: 1.1740
52 ±2 HRC CuSn12

SN 1769-



Mat.-Nr. 1.0501
Sint-B50+MoS2

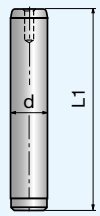
SN 1778-



Mat.: 1.3505/
63±2HRC+CuZn40

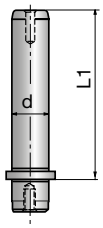
d	L1	1 2 ... 8	L1	1 2 ... 8	L1	1 2 ... 8	L1	1 2 ... 8	L4	1 2 ... 8	L4	1 2 ... 8	L4	1 2 ... 8
19														
20														
24														
25														
30														
32														
38														
40														
48														
50														

Z 4310



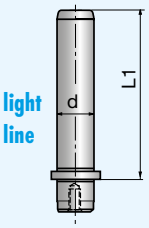
Mat.: 1.0503/63 ±2 HRC

SN 4321



Mat.: 1.0503/63 ±2 HRC

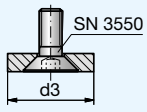
SN 4322



Mat.: 1.0503/63 ±2 HRC

d	L1	1 2 ... 8	L1	1 2 ... 8	L1	1 2 ... 8
19						
20						
24						
25						
30						
32						
38						
40						
48						
50						

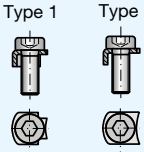
SN 1707



Mat.: 1.0718

d3	1 2 ... 8
25	
32	
40	
50	

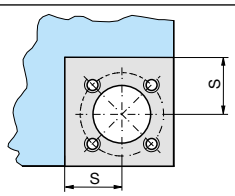
SN 4325



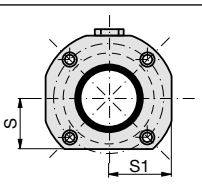
Mat.: 1.0330

Type	1 2 ... 8
1 ∅ 16 - 32	
2 ∅ 38 - 80	

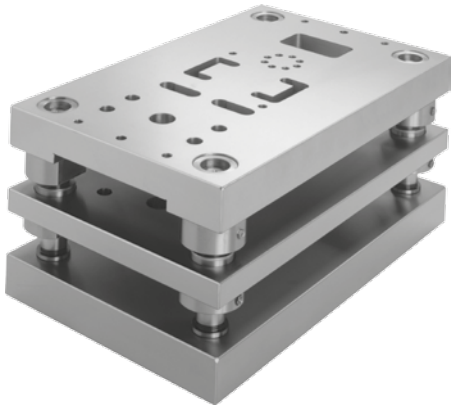
SN 4190 / Z 4411 / Z 4412 / Z 4415	
d	S
19/20	26
24/25	29
30/32	32
38/40	36
48/50	41



SN 1766 / SN 1769/ SN 1778		
d	S	S1
19/20	20	–
24/25	24	30
30/32	27	34
38/40	33	40
48/50	38	46

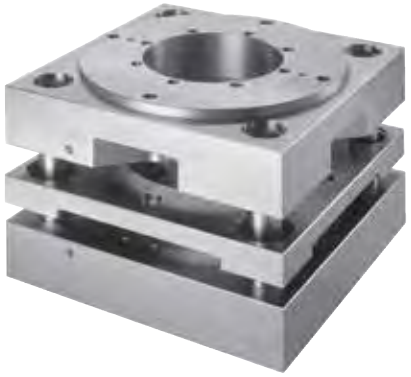


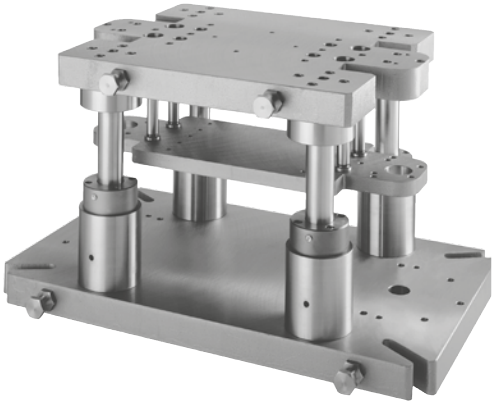
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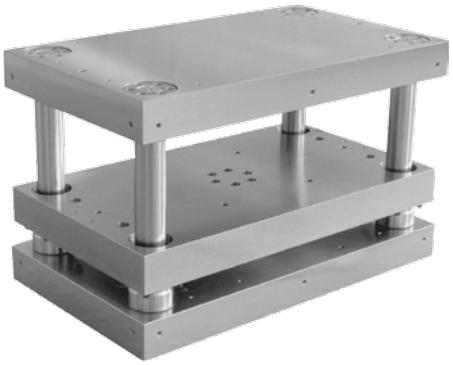








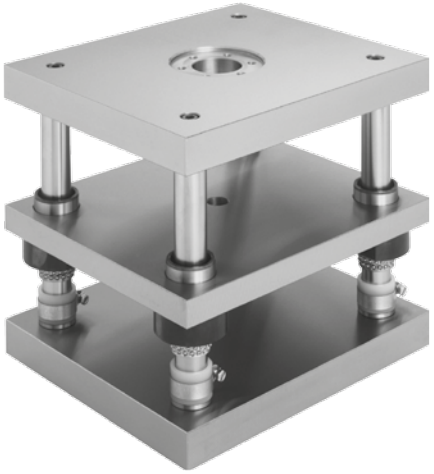




mehr Informationen siehe
Kapitel 1.7: Sondergestelle und Zusatzbearbeitungen

more informations see
Chapter 1.7: Special Die Sets and Additional Machining Facilities

pour information, voir
Chapitre 1.7: Blocs spéciaux et usinages complémentaires







INFORMATIONEN DEUTSCH

INFORMATION ENGLISH

INFORMATIONS FRANÇAIS

STRACK®

NORMALIEN

Information deutsch

Alle Gleitführungsbuchsen sind mit einem Toleranzkennzeichen A/B/C versehen, so dass eine optimale Auswahl des erforderlichen Gesamtlaufspiels konstruktiv vorbestimmt werden kann.

Auswahlkriterien des Führungsspiels:
- nach dem Schneidspalt
- nach der Werkstoffdicke
- nach Art und Erhaltungszustand der Arbeitsmaschine.

(Siehe Tabelle Paarungsklassifizierung Seite 4.73.)

Z 4310
Führungssäulen ~ DIN 9825 zum Einpressen
Werkstoff 1.1213
Oberflächenhärte 63 ± 2 HRC
induktiv gehärtet
Die Lauffläche der Säule ist feingeschliffen und gefinisht.

Der 7 mm lange Zentrieransatz ermöglicht ein problemloses Einsetzen der Säule in die Aufnahmebohrung und garantiert, dass beim Einpressen ein Verkanten vermieden wird.

Ab dem Durchmesser 19 mm sind alle Säulen mit einem Innengewinde M 8 x 20 zur Befestigung eines Käfighalters Z 4327 versehen.

Einbau in die Aufnahmebohrung siehe Seite 4.78 (Toleranzblatt).

Bei der Montage wird durch das Auftragen von Z 9060 eine Kaltverschweißung vermieden.

Anwendungsgebiet:
Bei allen Arten von Säulengestellen sowie im Maschinen-, Vorrichtungs- und Apparatebau.

Z 4321
Führungssäulen DIN 9825-4 mit Bund
Werkstoff 1.1213
Oberflächenhärte 63 ± 2 HRC
induktiv gehärtet

Sie sind leicht und schnell zu demontieren und erleichtern dadurch das Nachschleifen der Werkzeuge.

Zur Befestigung sind wahlweise Haltescheiben SN 1707 oder Halteklammern Z 4325 einzusetzen.

Einbau in Aufnahmebohrung siehe Seite 4.78 (Toleranzblatt).

Ab dem Durchmesser 19 mm sind alle Säulen mit einem Innengewinde M 8 x 20 zur Befestigung eines Käfighalters Z 4327 versehen.

Bei der Montage wird durch das Auftragen von Z 9060 eine Kaltverschweißung vermieden.

Anwendungsgebiet:
Bei allen Arten von Stanzwerkzeugen, bei denen eine schnelle Montage oder Demontage der Säulen erforderlich ist.

Z 4322 light line
Führungssäulen DIN 9825-4 mit Bund wie Ausführung SN 4321 jedoch kopfseitig kein Gewinde. Laufflächen Durchmessertoleranz h4 ohne finishing (Rz = 4).
Nur für Einsatz mit Gleitführungsbuchsen geeignet!

Z 4411 / SN 1766
Bronzebeschichtete Führungsbuchsen
Z 4411 ~ DIN 9831/ISO 9448.

Die harte Sonderbronze (Zugfestigkeit 855 N/mm^2) besitzt eine sehr gute Wärmeleitfähigkeit, sodass entstehende Reibungswärme sehr schnell abgeführt werden kann. Ein Kaltverschweißen, auch bei starker Reibung zwischen Säule und Buchse, wird somit weitgehend vermieden. Die Bronzeschicht (Schichtdicke ca. 0,1 mm), wird galvanisch auf einen gehärteten Stahlkörper aufgetragen, der verhindert, dass sich die Buchse bei starker Kantenpressung deformiert. Sie ist somit für hohe Gleitgeschwindigkeit (15-30 m/min.), lange Lebensdauer, größte Führungsgenauigkeit bei sichergestellter Ölversorgung geeignet.
Alle bronzebeschichteten Buchsen sind mit einem Schmiernippel, Anschlussgewinde M 8 x 1/kurze Ausführung M 6, versehen.

Bei schnelllaufenden Stanzautomaten wird nach Entfernen des Schmiernippels der Anschluss an die Zentralschmierung der Maschinen empfohlen.

Einbau in die Aufnahmebohrung Passung H5.

Vor der Montage wird das Auftragen von Festschmierstoff Z 9060 auf den Einbaudurchmesser empfohlen. Alle Buchsen der Serie Z 44. . und SN 4190 sind pro Führungsdurchmesserpaar mit einem einheitlichen Außendurchmesser versehen und somit untereinander austauschbar.

Z 4412 / SN 1769
Feststoffgeschmierte, wartungsfreie Führungsbuchsen aus Sinterbronze
Z 4412 ~ DIN 9831/ISO 9448.

In dieser Sinterbronze ist in gleicher und feiner Verteilung Molybdändisulfid als Festschmierstoff eingelagert. Die guten Gleiteigenschaften einer gesinterten Bronze mit der hervorragenden Schmierwirkung von MoS_2 sind somit vereint.

Die Sinterbronze ist von einem Stahlmantel umgeben, der maßlich DIN 9831/ISO 9448 (Z 4412) entspricht. Diese Buchse eignet sich überall dort, wo
- flüssige Schmierstoffe nicht vertretbare Rückstände hinterlassen würden (Lebensmittelverarbeitung/Verpackung, Textil- und Papiermaschinenbau).

Einbau in die Aufnahmebohrung Passung H5.

Vor der Montage wird das Auftragen von Festschmierstoff Z 9060 auf den Einbaudurchmesser empfohlen.

Das Herausfahren der Führungssäule aus der Buchse bei jedem Arbeitshub ist zu vermeiden.

Max. Gleitgeschwindigkeit zwischen 30 - 60 m/min.

SN 4190
Feststoffgeschmierte, wartungsarme Gleitführungsbuchsen aus Bronze

Sie eignen sich besonders für den Einsatz bei hohen Belastungen, bei Gleitgeschwindigkeiten < 0,5 m/s, sowie schwer zugänglichen Lagerstellen.

Die Anordnung der Festschmierstoff-Einsätze erfolgte so, dass in Gleitrichtung eine Überdeckung gegeben ist. Die Festschmierstoff-Einsätze gewährleisten einen gleichmäßigen Schmierfilm zwischen Säule und Buchse, der einen metallischen Kontakt verhindert und einem Anfressen entgegenwirkt. Die Gleitführungsbuchsen sind für lineare und drehende Gleitrichtungen ausgelegt.

Temperatur-Einsatzbereich - 50 + 150° C (Eigenerwärmung beachten)

Härteunterschied zwischen

Buchse und Säule > 150 HB.

Zu beachten ist das größere Laufspiel, besonders bei drehender Bewegung.

Diese Buchsen sind mit folgenden Säulen kombinierbar: SN 1705, SN 4321, Z 4310, Z 4315, Z 4318, Z 4320, Z 4330.

Z 4415 / SN 1778
Wälzführungsbuchsen
Z 4415 ~ DIN 9831/ISO 9448 mit Kugelkäfigen aus Messing SN 1799 werden höchsten Anforderungen an Leichtgängigkeit, Lebensdauer und Wartungsfreiheit gerecht und werden vorwiegend bei schnellaufenden kurzhubigen Pressen ab 400 Hüben/min. eingesetzt.

Die Lastaufnahme senkrecht zur Bewegungsrichtung ist abhängig vom Kugeldurchmesser, von der Anzahl der im Eingriff befindlichen (tragenden) Kugeln und von der Vorspannung (negatives Führungsspiel). Da die Erhöhung der Vorspannung zu Lasten der Lebensdauer und der Leichtgängigkeit geht, können auftretende Seitenkräfte nur über die Führungslänge aufgenommen und beeinflusst werden. Somit sollte in der unteren Hublage, wo die max. Belastung zu erwarten ist, der Kugelkäfig über seine gesamte Länge im Eingriff (tragend) sein. Vor der Montage wird das Auftragen von Festschmierstoff Z 9060 auf den Einbaudurchmesser empfohlen.

Z 4425
Wie Z 4415, jedoch zusätzlich mit 2 Anlaufringen als Hubbegrenzung für den Kugelkäfig SN 1798.

Bevorzugter Einsatz im 2-Platten-Werkzeug.

SN 1798
Kugelkäfig aus Messing.
Die einzelnen Kugeln sind ringförmig versetzt angeordnet, so dass jede Kugel auf einer eigenen Bahn läuft. Die Kugeln sind aus hochverschleißfestem, gehärtetem Spezialstahl hergestellt und entsprechen der Güteklasse 1, Sortierung 0, DIN 5401.

Alle Kugelkäfige SN 1798 und SN 1799 sind mit erhöhter Kugelzahl ausgestattet und somit unempfindlicher gegen Seitenkräfte.

SN 1799
Wie SN 1798, jedoch mit zusätzlichem Seegering versehen, der ein „Wandern" des Käfigs verhindert.

Information deutsch

Paarungsklassifizierung – Führungssäulen mit Gleitführungen

Schneidspalte:

Die Feststellung der Schneidspalte durch den Konstrukteut hängt in hohem Maße von der Ausführung des Blechwerkstückes ab: Anteil Glattzone/ Bruchzone, sowie erlaubte Grathöhe. Weitere Einflussfaktoren sind: Stoff-Eigenschaften des Werkstückes sowie Art und Zustand der verwendeten Arbeitsmaschine.

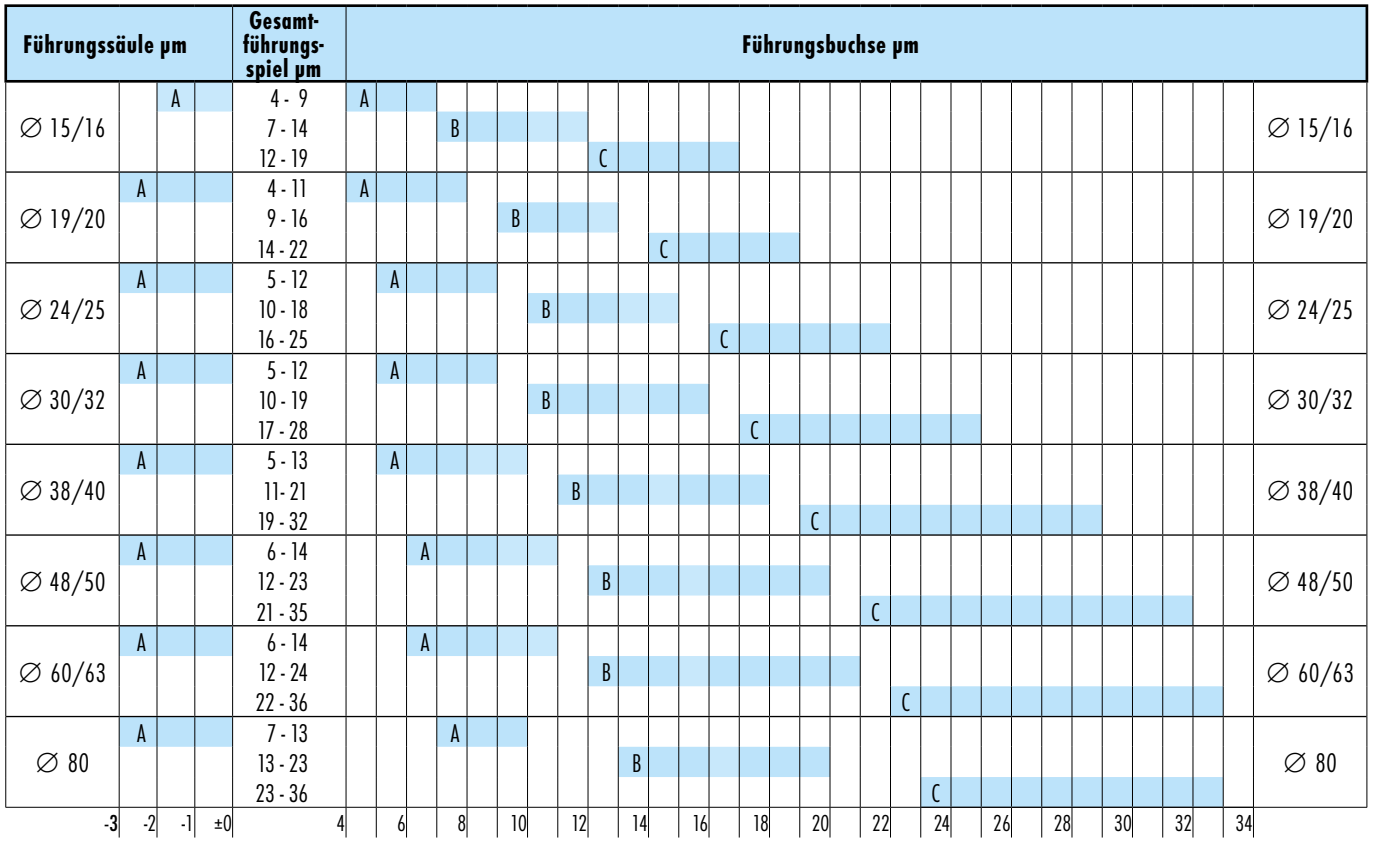
Auswahlkriterien des Führungsspiels:

Nach dem Schneidspalt; nach der Werkstoffdicke; nach Art und Erhaltungszustand der Arbeitsmaschine.

Schneidspalte		
klein	Werkstücke mit engen Toleranzen und bestimmten Eigenschaften der geschnittenen Konturen, außerdem dünne Werkstoffe.	Klasse 1
mittel	Werkstücke aus Blechen dicker als 1 mm, vorzugsweise bei Folge-Verbund-Werkzeugen.	Klasse 2
groß	Bei geringen Anforderungen an die Kantenausbildung; Schneidedruck und Schneidarbeit sind bei großen Schneidspalten eindeutig geringer als bei kleinen oder mittleren Schneidspalten.	Klasse 3

Führungsspiel	Führungssäule	Führungsbuchse
Klasse1	A	A
Klasse 2	A	B
Klasse 3	A	C

Klasse 2 = Standard



Bei Bestellungen ohne nähere Angaben wird wie folgt geliefert:

		Führungssäule	Führungsbuchse
Führungssäulen	SN 1705 - Z 4330	A	
Führungsbuchsen / Führungslager	SN 1769 - Z 4411	A	B
Stahlgestelle, Zweisäulenausführung		A	B
Stahlgestelle, Viersäulenausführung		A	B - C

Information english

All guide bushes are marked A/B/C for tolerance so that the required total play can be optimally selected from the outset.

Criteria for selecting the play:
- die clearance
- material thickness
- type and condition of the machine used

(see table "Classification of pairs" on page 4.75).

Z 4310
Guide pillars ~ DIN 9825 for pressing in
Material 1.1213
Surface hardness 63 ± 2 HRC
Induction-hardened
The running surface of the pillar is precision ground and super finished.

The 7 mm long centering shoulder ensures that the pillar can be fitted in the locating holes without difficulty and guarantees that it is not tilted when pressed in.

From a diameter of 19 mm upwards, all pillars are provided with an M8 x 20 female thread for securing the Z 4327 holder for a ball retainer.

Installation in locating hole, page 4.78 (tolerance sheet).

For assembly we recommend application of Z 9060 solid lubricant in order to prevent cold setting.

Applications:
For all types of die sets, as well as in machine construction, construction of jigs and fixtures and apparatus engineering.

Z 4321
Guide pillars DIN 9825-4 with collar
Material 1.1213
Surface hardness 63 ± 2 HRC
Induction-hardened

These pillars can be demounted quickly and easily, thus making it easier to regrind the tools.

For fixing SN 1707 retaining plates or Z 4325 fixing devices can be used either.

Installation in locating hole, page 4.78 (tolerance sheet).

From a diameter of 19 mm upwards, all pillars are provided with an M8 x 20 female thread for securing the Z 4327 holder for a ball retainer. For assembly we recommend application of Z 9060 solid lubricant in order to prevent cold welding.

Applications:
For all types of press tools requiring rapid assembly or disassembly of the pillars.

Z 4322 light line
Guide pillars DIN 9825-4 with collar like model SN 4321 however without a top end thread. Diameter tolerance of the sliding surface h4 without finishing (Rz =4). Are only suited for utilisation with guide bushes.

Z 4411 / SN 1766
Guide bushes, bronze plated
Z 4411 ~ DIN 9831 / ISO 9448.

This special bronze has an excellent thermal conductivity ensuring that friction of heat can be dissipated rapidly. This largely excludes the risk of cold welding, even in the presence of severe friction between pillars and bushes. The bronze coat (thickness approx. 0.1 mm) is galvanically deposited on the hardened steel body which in turn prevents the bushing from being deformed under high edge pressure. It therefore ensures high sliding speeds, a long service life, extremely accurate guidance if the oil supply is guaranteed. All bronzeplated guide bushes are provided with a lubricating nipple, connecting thread M8 x 1 / short version M6.

The guide bushes should be connected to the central machine lubrication system after removing the lubricating nipple for use in high-speed automatic punching machines.

Installation in locating hole size H5.

Solid lubricant Z 9060 should be applied to the installation diameter prior to assembly. All bushes of series Z 44 . . and SN 4190 have a uniform outside diameter for each pair of guide diameters and are therefore interchangeable.

Z 4412 / SN 1769
Guide bushes, surface of sintered bronze with solid lubricant maintanance-free
Z 4412 ~ DIN 9831/ ISO 9448

Molybdenum disulphide is uniformly and finely dispersed in this sintered bronze as solid lubricant. In this way, the material combines the excellent sliding properties of a sintered bronze and the good lubricating properties of MoS_2.

A firmly adhering, highly cohesive lubricant film is formed between the guide pillar and the bushes as a result of the sliding motion, thus preventing the guide elements from seizing up even at rest and when the machine tool starts up.

The sintered bronze is encased in a steel sheath dimensioned in accordance with ~ DIN 9831 / ISO 9448 (Z 4412). This bush is ideal wherever
- liquid lubricants would leave unacceptable residues (e. g. food processing or packaging, textiles and papermaking machines).

Installation in the locating hole, size H5.

Solid lubricant Z 9060 should be applied to the installation diameter prior to assembly.

Maximum sliding speed 30 - 60 m/min.

SN 4190
Low-maintenance guide bushes of bronze, with solid lubricant.

They are especially suitable for use under high loads, at sliding speeds < 0.5 m/s and at bearing points where access is difficult. The solid-lubricant inserts are arranged in such a way that there is an overlap in the sliding direction.
The solid-lubricant inserts guarantee a uniform lubricating film between pillar and bush.
The lubricating film prevents metallic contact and counteracts corrosion. The guide bushes are designed for linear and rotary sliding directions.

Temperature range - 50 / + 150° C (take self-heating into account).

Hardness difference between bush and pillar > 150 HB.

The greater running clearance is to be taken into account, especially in the case of rotary motion.

These bushes can be combined with the following pillars: SN 1705, SN 4321, Z 4310, Z 4315, Z 4318, Z 4320, Z 4330.

Z 4415 / SN 1778
Antifriction slideway bushes
Z 4415 ~ DIN 9831 / ISO 9448 with ball retainers SN 1799 made of brass. These bushes meet the most stringent demands as regards smooth running, service life and minimum maintenance. They are primarily used in high-speed short-stroke presses operating at more than 400 strokes per minute.

Load absorption perpendicular to the direction of movement depends on the ball diameter, the number of balls engaged and the preload. Since the service life and smooth running decrease as the preload increases, lateral forces can only be absorbed and influenced via the guide length. This means that the ball retainer should engage over its full length in the bottom limit position, since this is where the highest loads are to be expected. Solid lubricant Z 9060 should be applied to the installation diameter prior to assembly.

Z 4425
As Z 4415 but with two additional stop rings to limit the stroke length for ball retainer SN 1798.
Preferably used in die sets without stripper plate.

SN 1798
Ball retainer (brass)
The individual balls are offset in a ring, thus ensuring that each ball runs in its own race. The balls are made of high-strength, hardened special steel of quality class 1, grade 0 DIN 5401.

All ball retainers SN 1798 and SN 1799 are fitted with a larger number of balls making them less sensitive to lateral forces.

SN 1799
As SN 1798 but with an additional Seeger circlip ring to prevent the retainer from "migrating".

Information english

Classification of pairs – Guide pillars with slideways

Die clearance:

The die clearance largely depends on the requirements imposed by the metal workpiece e.g. proportion of smooth zone to fracture zone and permissible burr height. The material properties of the workpiece and the type and condition of the machine used have also influence.

Criteria for selecting the play:

Die clearance; material thickness; type and condition of the machine used.

Die clearance		
small	Workpieces with close tolerances and certain properties of the cut contours; also thin materials.	Class 1
medium	Workpieces made of sheet metal thickness more than 1 mm, preferably for follow-on composite tools.	Class 2
large	Less stringent requirements with regard to edge definition; cutting pressure and cutting work are distinctly lower when working with a large die clearance than when working with a small or medium die clearance.	Class 3

Play	Guide pillar	Guide bushes
Class 1	A	A
Class 2	A	B
Class 3	A	C

Class 2 = Standard

| Guide pillar µm | Total play µm | Guide bushes µm | | |

Information français

Toutes les bagues de guidage sont pourvous d'un signe de tolérance « A/B/C » permettant le choix optimal du jeu de coupe total nécessaire

Critères pour la sélection du jeu de guidage:
- jeu de coupe
- épaisseur de matière
- type et condition de la machine utilsée

(voir classification des appariements, page 4.77).

Z 4310
Colonnes de guidage ~ DIN 9825 montage à la presse
Matériau 1.1213
Dureté de surface 63 ± 2 HRC
trempé par induction
La surface de guidage des colonnes est finement rectifiée et finie.

Le dégagement de diamètre, sur une hauteur de 7 mm permet l'installation facile des colonnes dans leurs alésages et empêche tout mauvais alignement pendant le montage a la presse.

A partir de 19 mm de diamètre, toutes les colonnes sont pourvues d'un filetage intérieur M8 x 20 pour la fixation d'une rondelle de retenue de cage Z 4327.

Montage dans l'alésage ajustement voir page 4.78 (feuille de tolérance).

Pour le montage, nous recommandons d'utiliser le lubrifiant solide Z 9060 afin d'éviter tout soudage à froid.

Domaines d'utilisation:
Pour tous les blocs à colonnes et dans la construction mécanique, la construction de gabarits et d'appareils.

Z 4321
Colonnes de guidage DIN 9825-4 avec épaulement
Matériau 1.1213
Dureté de surface 63 ± 2 HRC
trempé par induction

Elles sont faciles et rapides à démonter, ce qui facilite le réaffutage des outils.

Pour la fixation, on utilisera au choix les rondelles SN 1707 ou les brides Z 4325.

Montage dans l'alésage ajustement voir page 4.78 (feuille de tolérance).

A partir de 19 mm de diamètre, toutes les colonnes sont pourvues d'un filetage intérieur M8 x 20 pour la fixation d'une rondelle de retenue de cage Z 4327.

Pour le montage nous recommandons l'utilisation d'un lubrifiant solide Z 9060 pour éviter un soudage à froid.

Domaine d'application:
Pour tous les outils de découpage nécessitant un montage ou démontage rapide des colonnes.

Z 4322 light line
Colonnes de guidage DIN 9825-4 avec collerette comme modèle SN 4321, cependant sans filet de tête. Tolérance de diamètre de la surface de roulement h4 sans finissage (Rz = 4). Seulement appropriées pour l'utilisation avec des bagues pour guidage lisse.

Z 4411 / SN 1766
Bagues de guidage à revêtement de bronze
Z 4411 ~ DIN 9831/ISO 9448.

Ce bronze spécial possède un bonne conductivité thermique permettant d'éliminer rapidement la chaleur résultant de la friction. Même en cas de forte friction entre la colonne et la bague, tout soudage à froid est ainsi évité. La couche de bronze (d'une épaisseur d'environ 0,1 mm) est appliquée par glavanisation sur un corps en acier trempé, ce qui empêche aussi toute déformation de la bague de guidage même en cas de forte pression sur les génératrices. Lorsque le graissage est effectué de manière adéquate, cette couche de bronze garantit donc un glissement optimal, une grande longévité, un guidage de grande précision. Toutes les bagues de guidage à revêtement de bronze sont pourvues d'un raccord fileté de graissage, pas de raccordement M 8 x 1/version courte, M6.

S'agissant d'outils de découpe travaillant très vite, après avoir enlevé le raccord fileté de graissage, il est recommandé de les raccorder au graissage central des machines.

Montage dans l'alésage, Ajustement H5.

Avant le montage, il est recommandé de mettre du lubrifiant solide Z 9060 sur le diamètre de montage. Toutes les bagues de guidage de la série Z 44 . . et SN 4190 sont pourvus par paire de diamètre de guidage d'un diamètre extérieur uniforme et sont donc interchangeables.

Z 4412 / SN 1769
Bagues de guidage à lubrifiant solide sans entretien en bronze fritté
Z 4412 ~ DIN 9831/ISO 9448

Ce bronze fritté contient, en une répartition uniforme et fine, un lubrifiant solide, le sulfure de molybdène. Ce produit allie les bonnes capacités de glissement d'un bronze fritté à l'exceptionnelle lubrification du MoS_2.

Lors des mouvements de glissement, il se produit entre la colonne et la bague de guidage une pellicule lubrifiante fixe et bien cohérente empêchant tout grippage des éléments coulissants de l'outil, même au moment du démarrage.

Le bronze fritté est entouré d'un corps en acier dont les dimensions sont conformes à la DIN 9831/ISO 9448 (Z 4412).Cette bague peut être utilisée:

- lorsque les lubrifiants liquides laisseraient des résidus inacceptables (traitement des denrées alimentaires/emballages, industrie textiles et construction mécanique).

Montage dans l'alésage ajustement H5.

Avant le montage, il est recommandé de mettre du lubrifiant solide Z 9060 sur le diamètre de montage. Vitesse de glissement max. comprise entre 30 et 60 m/min.

SN 4190
Bagues en bronze d'aluminium avec inserts autolubrifiants pour guidage lisse.

Ces bagues en alliage CuZn25Al5 conviennent particulièrement pour des charges élevées à vitesses glissement < 0,5 m/s ainsi que pour les guidages d'accès difficile. Les inserts autolubrifiants son disposés de manière à assurer un recouvrement dans le sens du glissement.
Ils produisent un film lubrifiant homogène entre colonne et bague qui empêche le contact intermétallique et prévient le grippage. Les bagues sont prévues pour glissement linéaire et rotatoire.

Températures limites - 50° C / + 150° C
(tenir compte de l'échauffement propre).

Différence de dureté entre
bague et colonne > 150 HB.

Tenir compte du jeu de glissement plus important, notamment en cas de mouvement circulaire.

Ces bagues peuvent être combinées avec les colonnes suivantes: SN 1705, SN 4321, Z 4310, Z 4315, Z 4318, Z 4320, Z 4330.

Z 4415 / SN 1778
Les bagues de guidage à billes Z 4415 ~ DIN 9831/ISO 9448 - avec cage à billes en laiton SN 1799 remplissent les exigences les plus extrêmes en matière de souplesse, de longévité et de facilité d'entretien et sont essentiellement utilisées pour des presses rapides à faibles course, à partir de 400 courses/min.

Le soutien vertical de la charge par rapport au sens du mouvement dépend du diamètre des billes, du nombre de billes (porteuses) en contact et de la précontrainte (jeu de coupe négatif). L'accroissement de la précontrainte entraînant une diminution de la longévité et de la souplesse, les forces latérales ne peuvent être captées et influencées que par la longueur de guidage. En position de course basse, où l'on doit s'attendre à trouver la contrainte maximale, la cage à billes devrait être en contact (porteur) sur toute sa longueur. Avant le montage, il est recommandé de mettre du lubrifiant solide Z 9060 sur le diamètre de montage.

Z 4425
Idem Z 4415, mais avec 2 clips de retenue supplémentaires chargés de limiter la course de la cage à billes SN 1798. Utilisé de préférence pour les outils à 2 plaques.

SN 1798
Cage à billes en laiton.
Les diverses billes sont disposées en forme d'anneau et décalées, de sorte que chacune d'entre elles se déplace sur sa propre voie. Les billes sont en acier spécial trempé haute résistance et sont conformes à la classe de qualité 1, Calibrage 0 DIN 5401.

Toutes les cages à billes SN 1798 et SN 1799 sont pourvues d'un nombre élevé de billes et de la sorte insensibles aux forces latérales.

SN 1799
Idem SN 1798, mais avec un clip de retenue empêchant toute « promenade » de la cage.

Information français

Classification des appariements des colonnes et des bagues de guidage

Jeu de coupe:

Au point de vue de la conception de l'outil, la détermination de jeu de coupe dépend fortement des exigences posées par la pièce à découpée: rapport entre la zone plane / zone de rupture, hauteur de la bavure admise. Autres facteurs déterminants: propriétés du matériau à découper, type et état de la machine utilisée.

Critères de choix du guidage:

Fonction du jeu de coupe, de l'épaisseur des matériaux, du type et de l'état de la machine utilisée.

Jeu de coupe		
petit	Pièces aux tolérances étroites et certaines propriétés des contours à découper, en outre les matériaux minces.	Classe 1
moyen	Pièces en tôle de plus d'1 mm d'épaisseur, de préférence pour les outils à suivre.	Classe 2
grand	Peu d'exigences en matière de qualité de bords, s'agissant de grands jeux de coupe, la pression de coupe et la coupe elle-même sont notablement plus réduites qu'avec des jeux de coupe petits ou moyens.	Classe 3

Guidage	Colonne de guidage	Bague de guidage
Classe1	A	A
Classe 2	A	B
Classe 3	A	C

Classe 2 = Standard

Colonne de guidage (µm)	Jeu en (µm) pour l'ensemble du guidage	Bague de guidage (µm)
∅ 15/16	4 - 9	A
	7 - 14	B
	12 - 19	C
∅ 19/20	4 - 11	A
	9 - 16	B
	14 - 22	C
∅ 24/25	5 - 12	A
	10 - 18	B
	16 - 25	C
∅ 30/32	5 - 12	A
	10 - 19	B
	17 - 28	C
∅ 38/40	5 - 13	A
	11- 21	B
	19 - 32	C
∅ 48/50	6 - 14	A
	12 - 23	B
	21 - 35	C
∅ 60/63	6 - 14	A
	12 - 24	B
	22 - 36	C
∅ 80	7 - 13	A
	13 - 23	B
	23 - 36	C

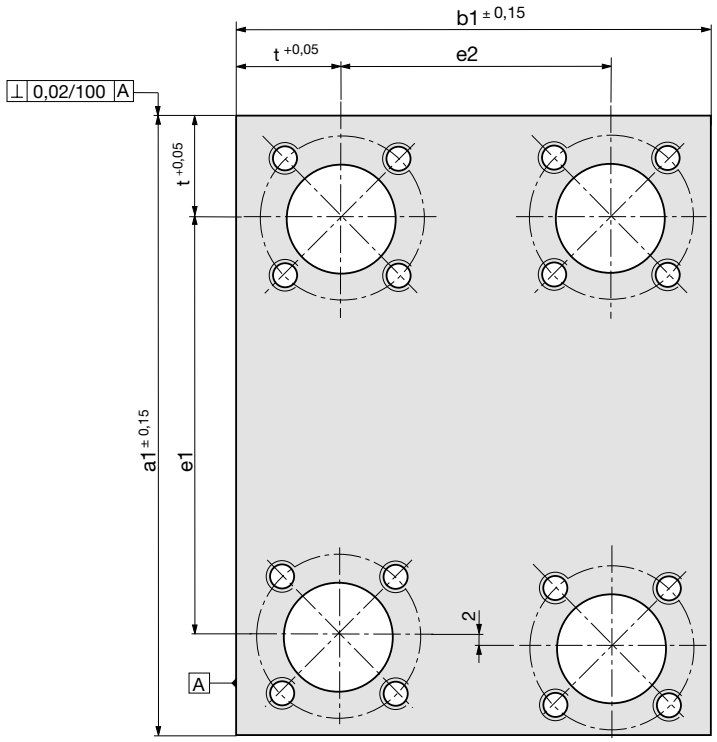
Colonne de guidage: A, -3, -2, -1, ±0

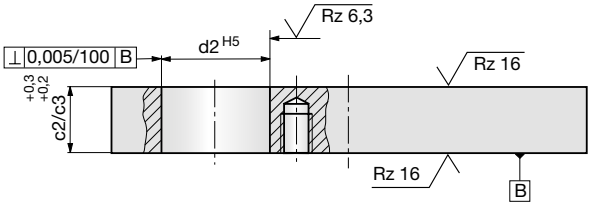
Bague de guidage: A, B, C, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34

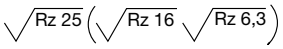
Pour les commandes sans précisions particulières, le matériel livré à les caractéristiques suivantes:

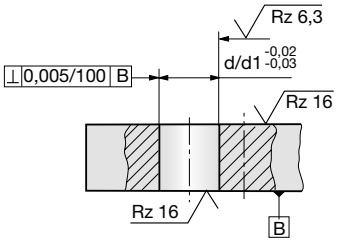
		Colonne de guidage	Bague de guidage
Colonnes de guidage	SN 1705 - Z 4330	A	
Bagues de guidage / Embases supérieures	SN 1769 - Z 4411	A	B
Bloc acier, 2 colonnes		A	B
Bloc acier, 4 colonnes		A	B - C

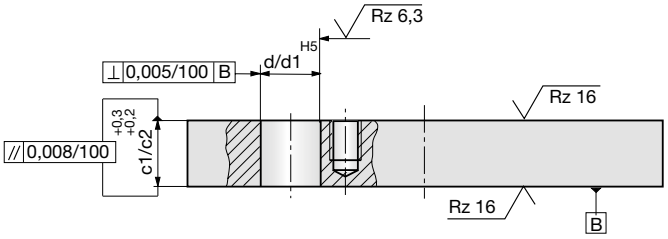
Toleranzblatt | Tolerance sheet | Folio de tolerance

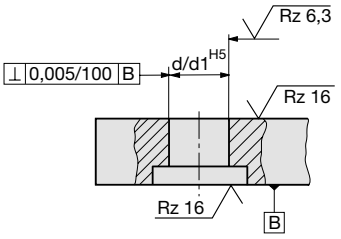












a1 / b1	Standard e1 / e2 St	Standard e1 / e2 Al	Koordinatenschleifen / Jig grinding Rectification en coordonnés e1 / e2 ST
< 200	± 0,009	± 0,015	± 0,002
≥ 200 - 500	± 0,009	± 0,02	± 0,002
≥ 500 - 700	± 0,015	± 0,02	± 0,003
≥ 700 - 1000	± 0,015	±0, 025	± 0,004
≥ 1000 - 1300	± 0,02	±0, 025	± 0,005
≥ 1300 - 3000	± 0,02	±0, 025	

PRÄZISIONSGESTELLE FÜR FOLGEVERBUNDWERKZEUGE

PRECISION DIE SETS FOR PROGRESSIVE DIES

BLOCS DE PRECISION POUR DES OUTILS PROGRESSIFS



STRACK®

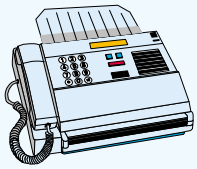
NORMALIEN




SN 761-GP-60 ... SN 772-WB-60 – SN 761-GP-160 ... SN 772-WB-160 6.4




SN 861-GP-60 ... SN 872-WB-60 – SN 861-GP-160 ... SN 872-WB-160 6.14

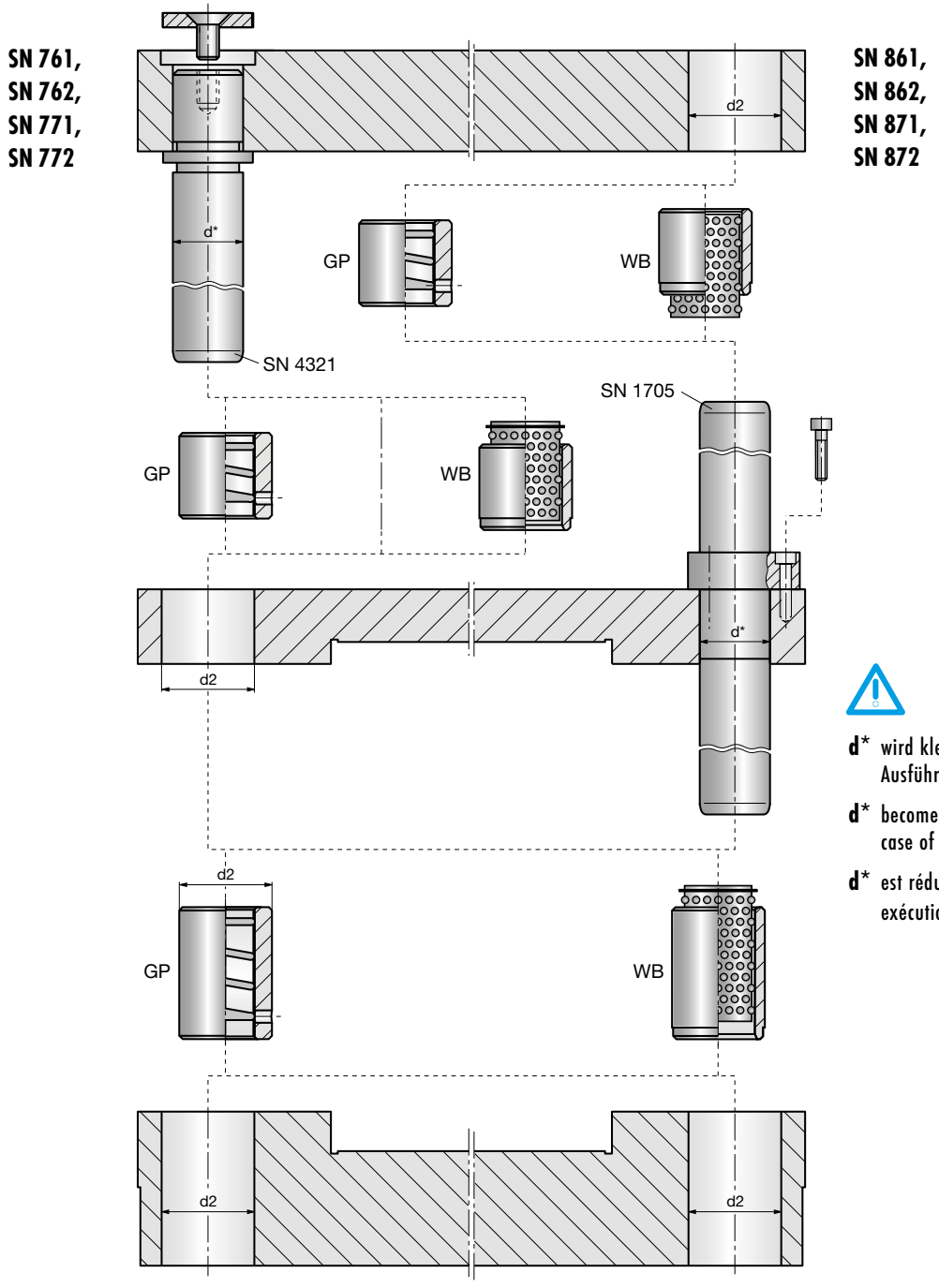




Sonder Präzisions-Säulengestelle
Special precision die sets
Spécial blocs à colonnes de précision

deutsch 6.28 | **english** 6.31 | **français** 6.34

Einheitsbohrungen | Basic holes | Alésages identiques



d* wird kleiner bei der Ausführung **WB**

d* becomes smaller in the case of design **WB**

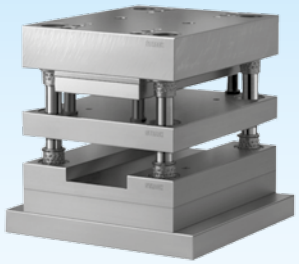
d* est réduit pour exécution **WB**

GP (SN 1765)	GP (SN 1765)	GP (SN 1765)
Bronzegleitführung	Bronze slideway	Guidage lisse, bague bronze
WB (Z 4485)	**WB (Z 4485)**	**WB (Z 4485)**
Wälzführung	Antifriction slideway	Guidage à billes

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



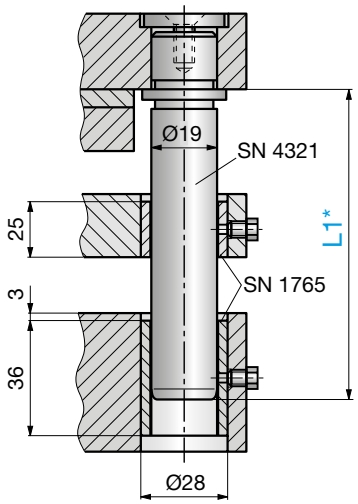
SN 761-, SN 762-, SN 771-, SN 772-

GP 60 / WB 60

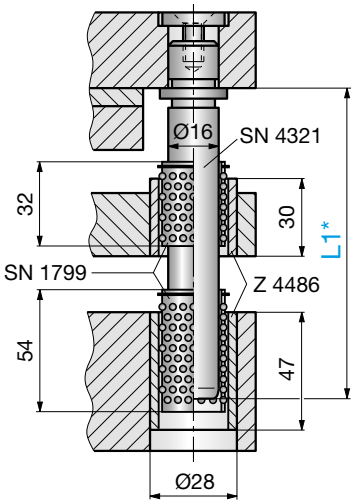
Mat.: 1.1730

Type-a-L1-E1-M-Mat

GP-60



WB-60

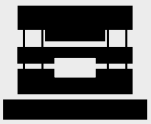


*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

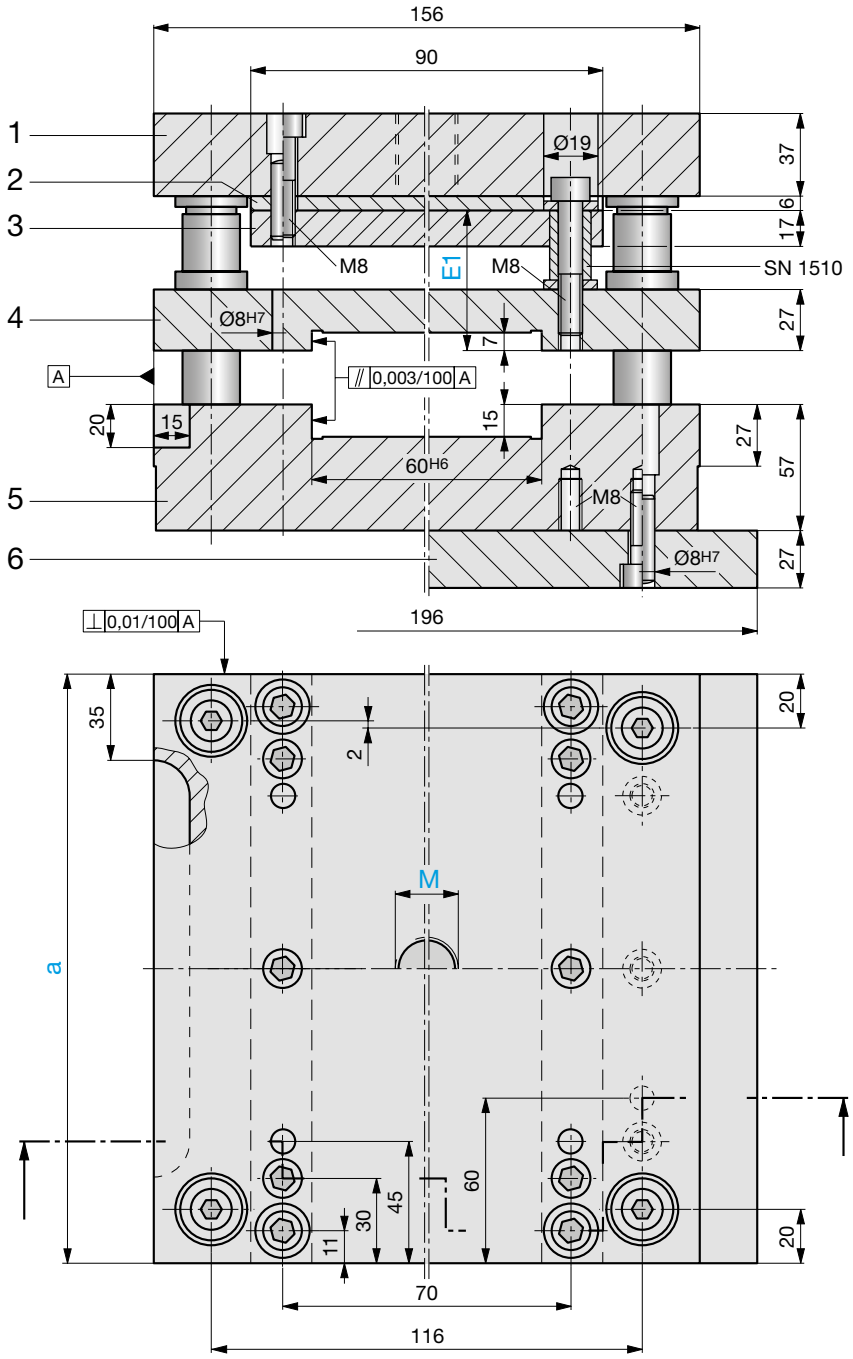
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L1*	E1	M
SN 761 -GP-60 / SN 761 -WB-60 	156	125	60 / 70 / 80	0 / 24 x 1,5
	196			
	246			
	296			
	346			
SN 762 -GP-60 / SN 762 -WB-60 	156	125	60 / 70 / 80	0 / 24 x 1,5
	196			
	246			
	296			
	346			
SN 771 -GP-60 / SN 771 -WB-60 	156	125	60 / 70 / 80	0 / 24 x 1,5
	196			
	246			
	296			
	346			
SN 772 -GP -60 / SN 772 -WB-60 	156	125	60 / 70 / 80	0 / 24 x 1,5
	196			
	246			
	296			
	346			

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



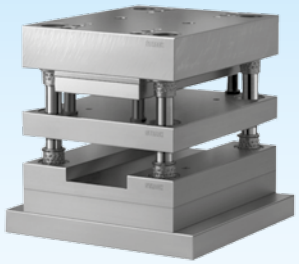
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



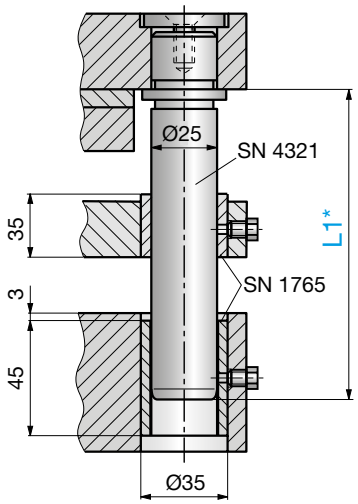
SN 761-, SN 762-, SN 771-, SN 772-

GP 80 / WB 80

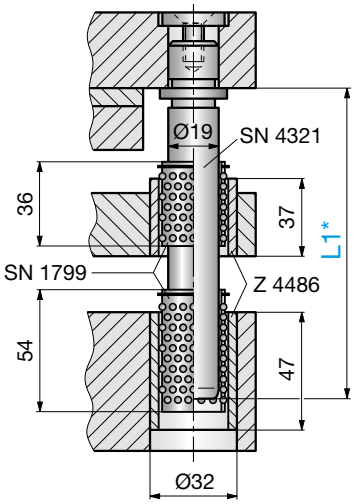
Mat.: 1.1730

Type-a-L1-E1-M-Mat

GP-80



WB-80

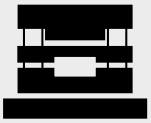


*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

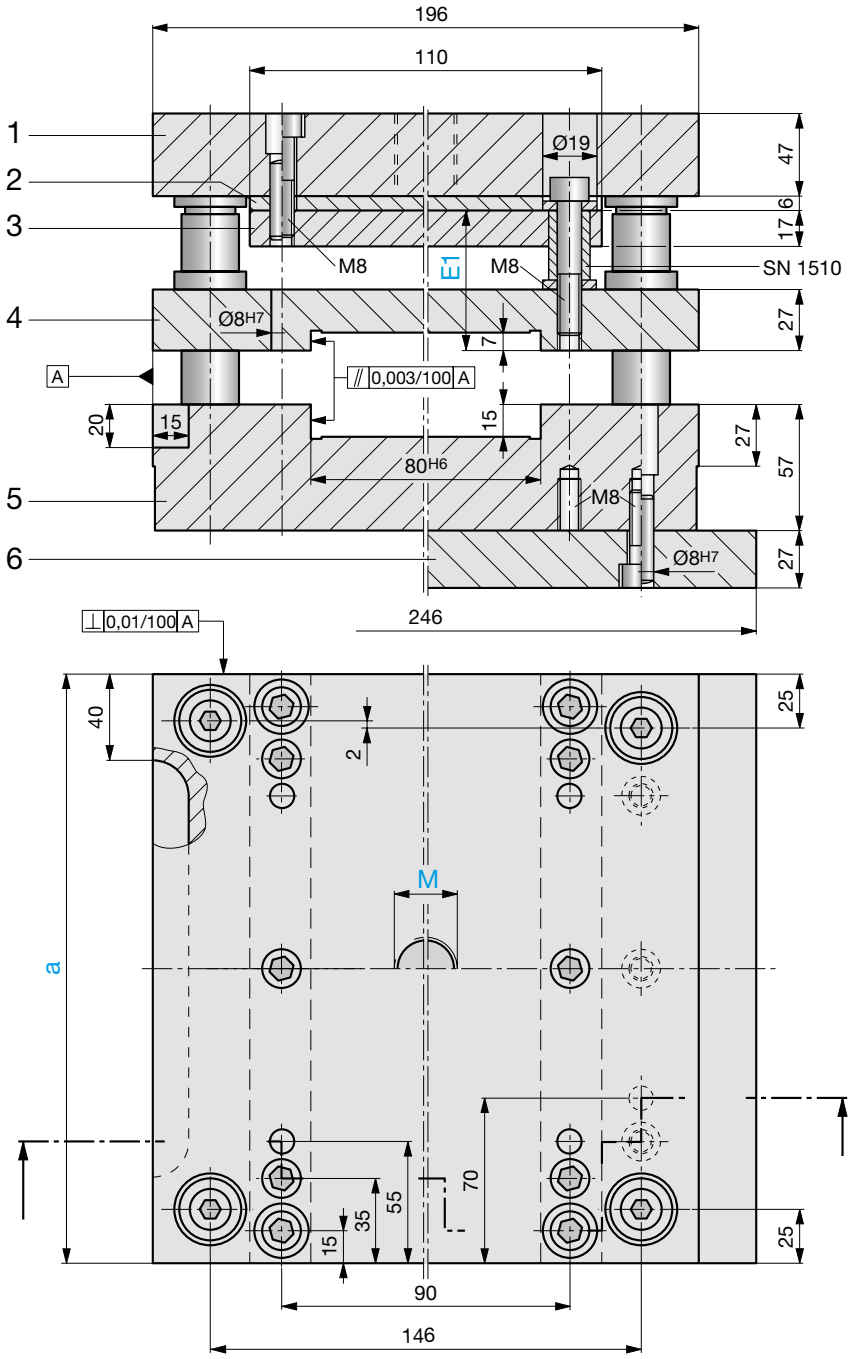
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L1*	E1	M
SN 761 -GP-80 / SN 761 -WB-80 	196	125	60 / 70 / 80	0 / 24 x 1,5
	246			
	296			
	346			
	396			
SN 762 -GP-80 / SN 762 -WB-80 	196	125	60 / 70 / 80	0 / 24 x 1,5
	246			
	296			
	346			
	396			
SN 771 -GP-80 / SN 771 -WB-80 	196	125	60 / 70 / 80	0 / 24 x 1,5
	246			
	296			
	346			
	396			
SN 772 -GP -80 / SN 772 -WB-80 	196	125	60 / 70 / 80	0 / 24 x 1,5
	246			
	296			
	346			
	396			

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



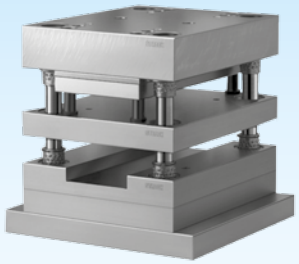
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



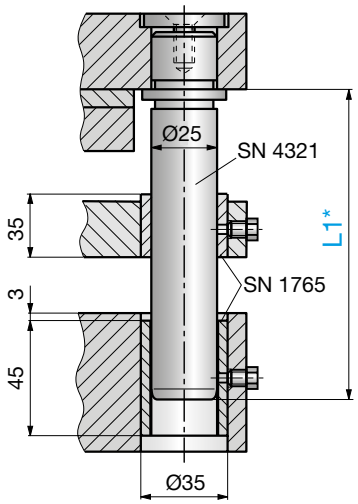
SN 761-, SN 762-, SN 771-, SN 772-

GP 100 / WB 100

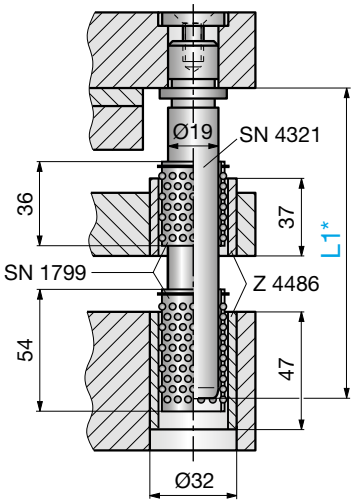
Mat.: 1.1730

Type-a-L1-E1-M-Mat

GP-100



WB-100

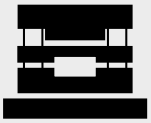


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*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

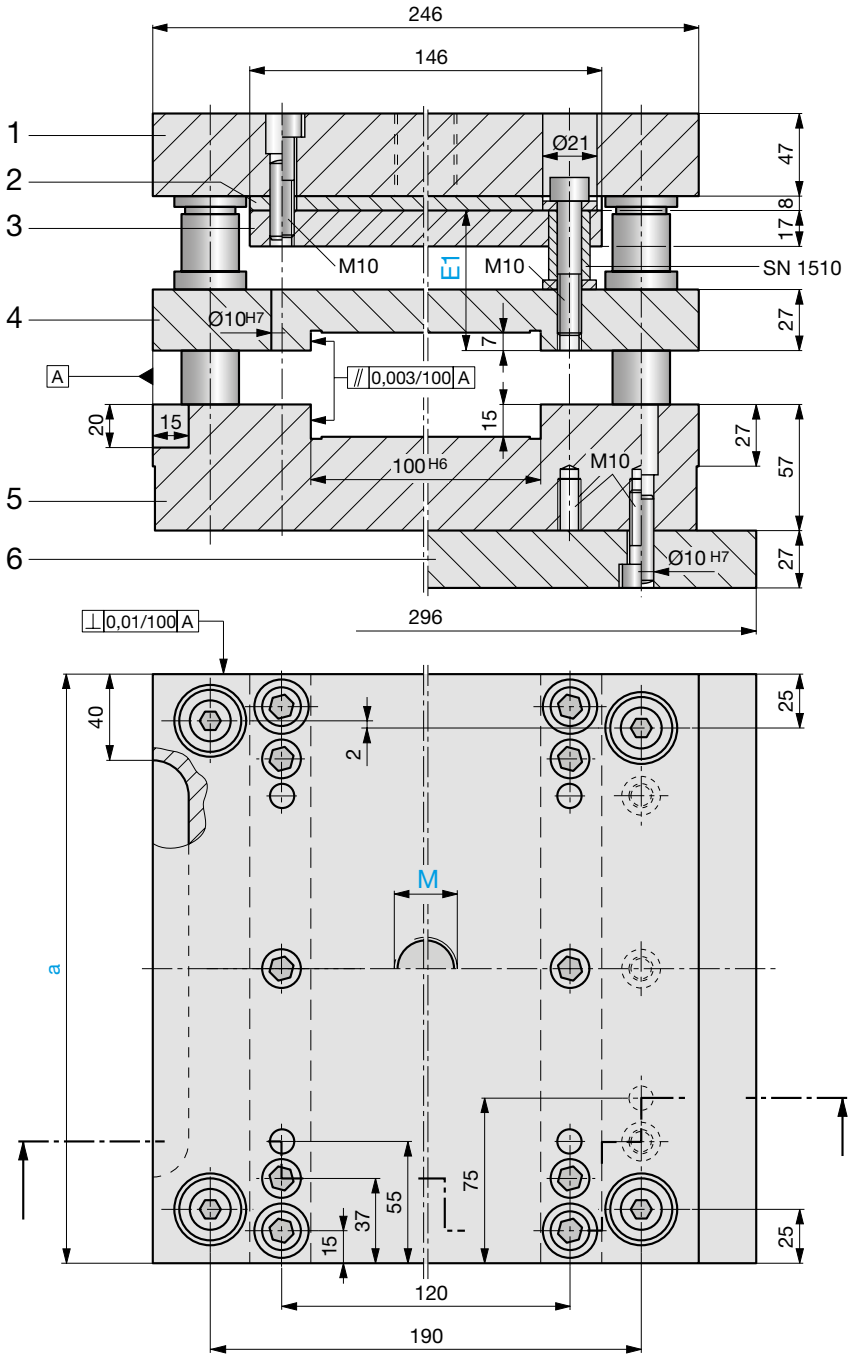
FFolgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L1*	E1	M
SN 761 -GP-100 / SN 761 -WB-100 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 762 -GP-100 / SN 762 -WB-100 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 771 -GP-100 / SN 771 -WB-100 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 772 -GP -100 / SN 772 -WB-100 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



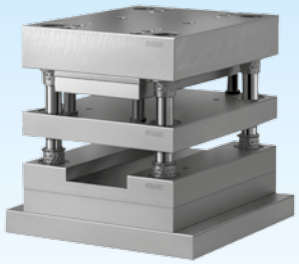
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



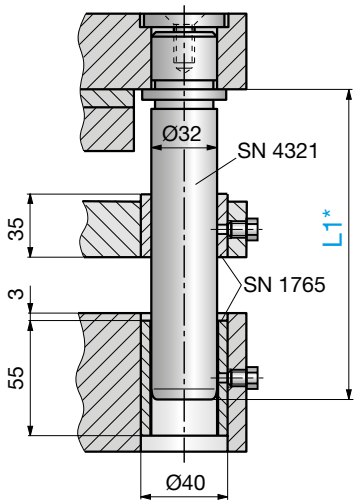
SN 761-, SN 762-, SN 771-, SN 772-

GP 125 / WB 125

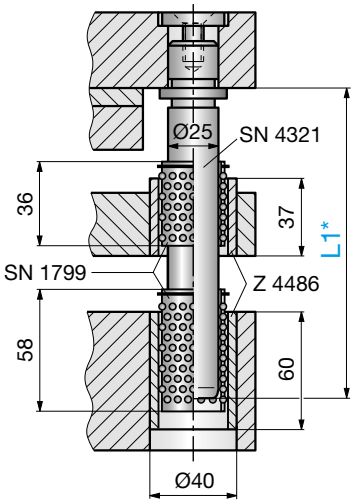
Mat.: 1.1730

Type-a-L1-E1-M-Mat

GP-125



WB-125

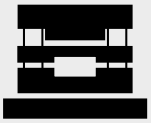


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*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

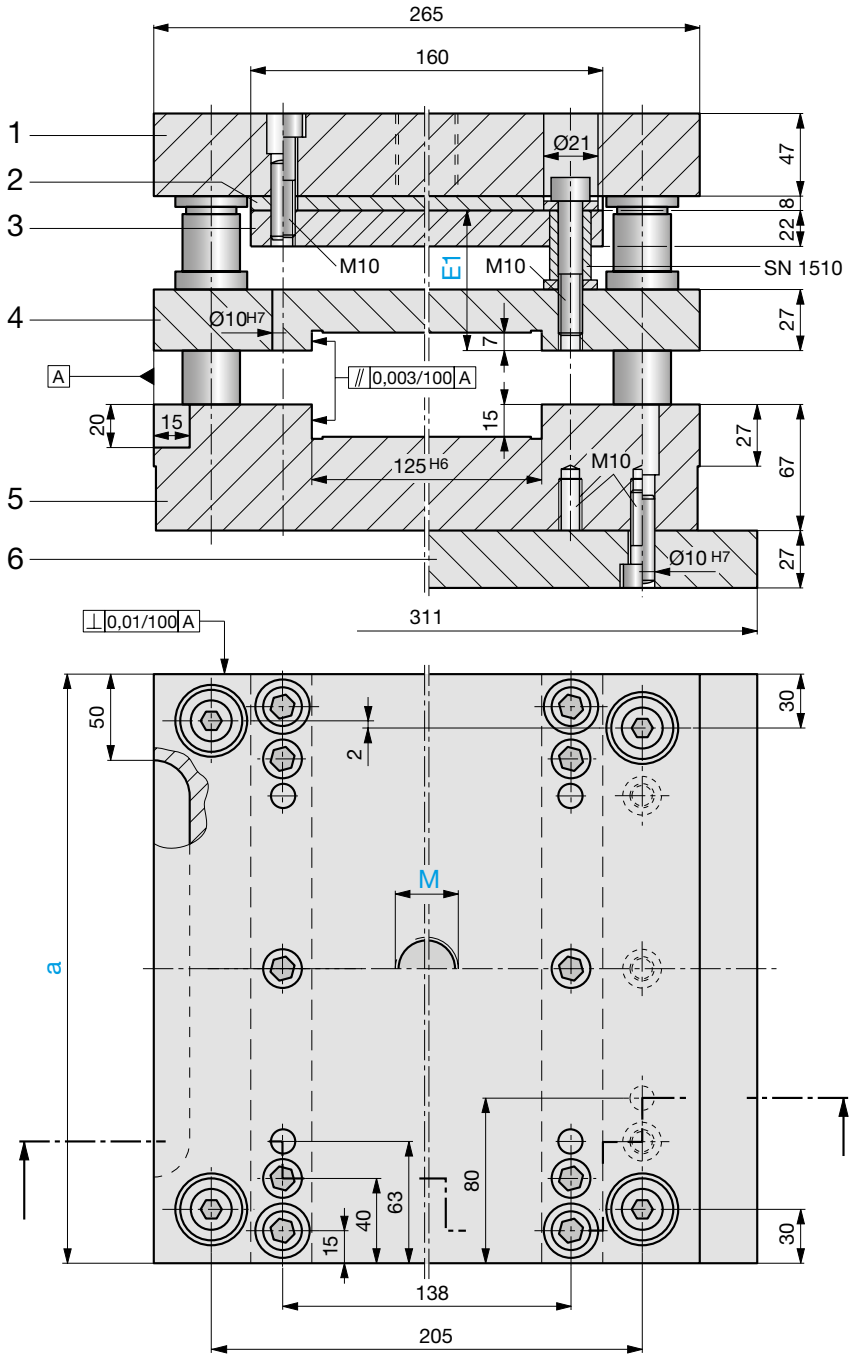
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L1*	E1	M
SN 761 -GP-125 / SN 761 -WB-125 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 762 -GP-125 / SN 762 -WB-125 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 771 -GP-125 / SN 771 -WB-125 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			
SN 772 -GP -125 / SN 772 -WB-125 	246	125	60 / 70 / 80	0 / 30 x 2
	296			
	346			
	396			
	446			

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



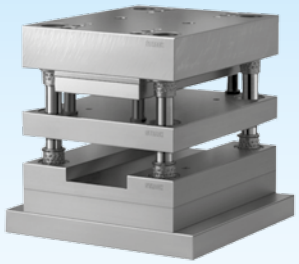
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



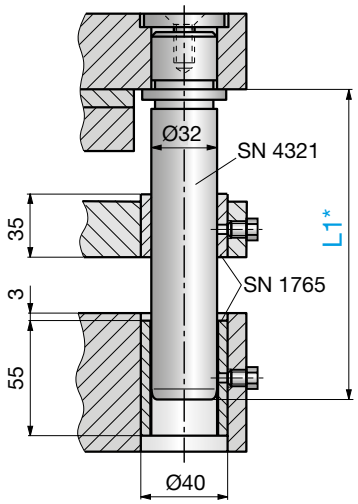
SN 761-, SN 762-, SN 771-, SN 772-

GP 160 / WB 160

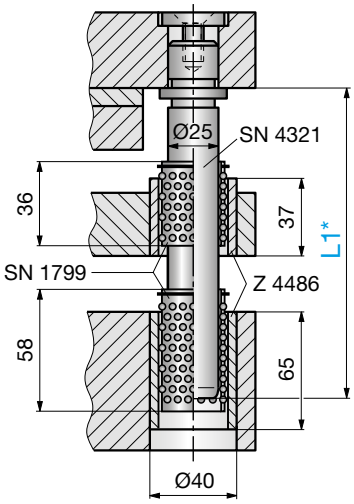
Mat.: 1.1730

Type-a-L1-E1-M-Mat

GP-160



WB-160

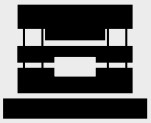


*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

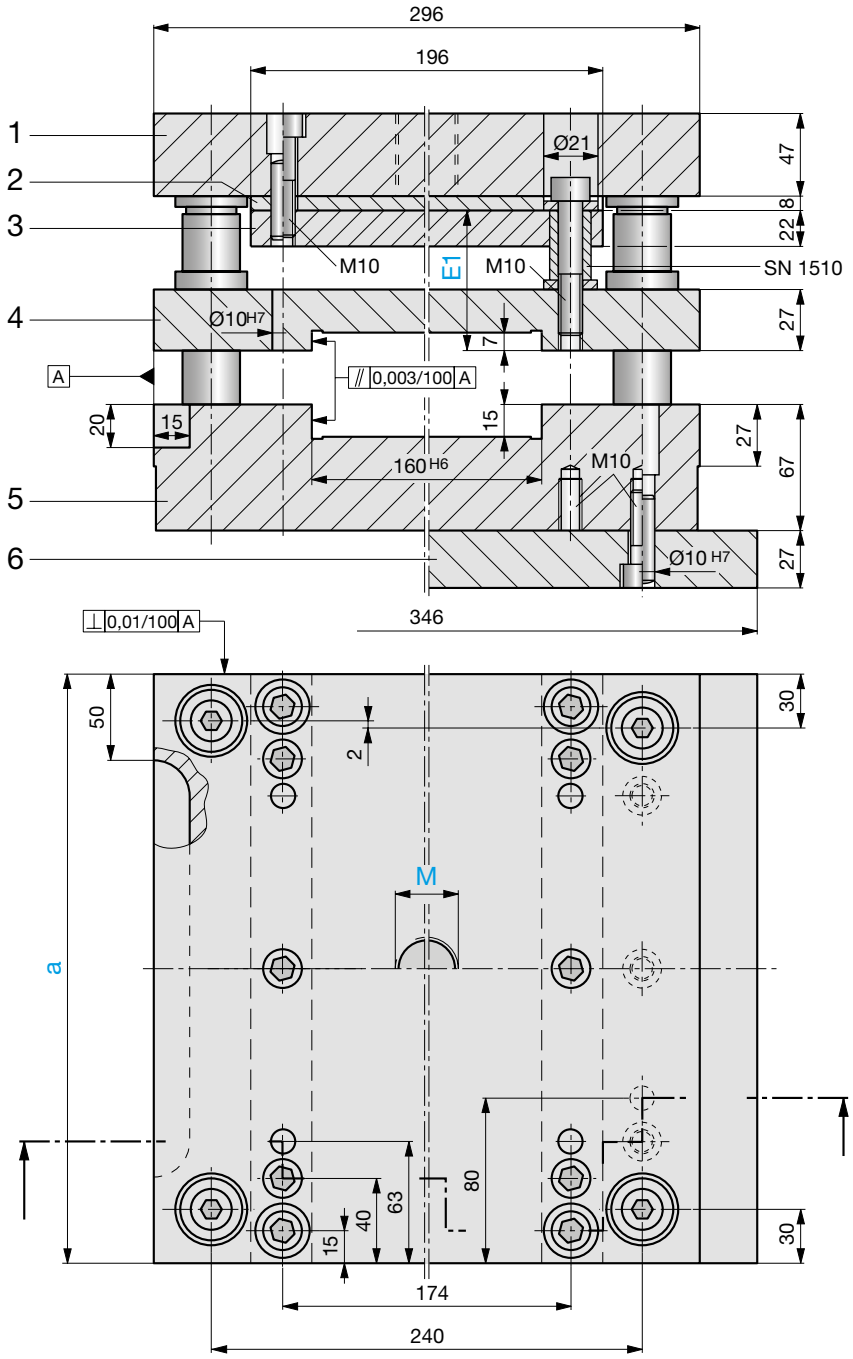
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L1*	E1	M
SN 761 -GP-160 / SN 761 -WB-160 	296	125	60 / 70 / 80	0 / 30 x 2
	346			
	396			
	446			
	496			
SN 762 -GP-160 / SN 762 -WB-160 	296	125	60 / 70 / 80	0 / 30 x 2
	346			
	396			
	446			
	496			
SN 771 -GP-160 / SN 771 -WB-160 	296	125	60 / 70 / 80	0 / 30 x 2
	346			
	396			
	446			
	496			
SN 772 -GP -160 / SN 772 -WB-160 	296	125	60 / 70 / 80	0 / 30 x 2
	346			
	396			
	446			
	496			

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



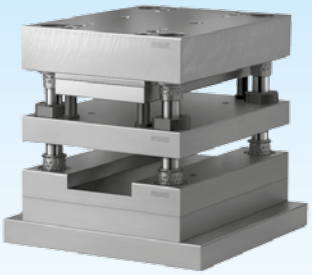
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



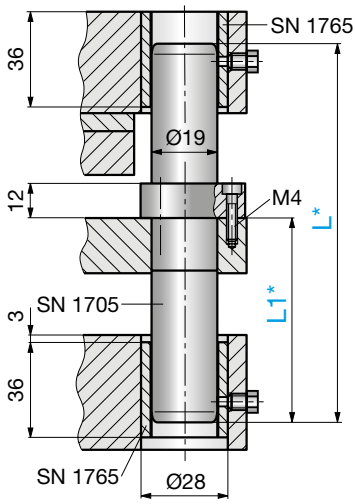
SN 861-, SN 862-, SN 871-, SN 872-

GP 60 / WB 60

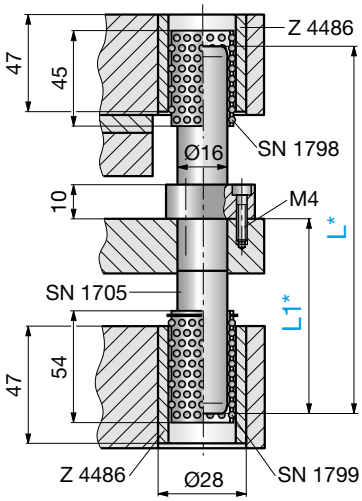
Mat.: 1.1730

Type-a-L-L1-E1-M-Mat

GP-60



WB-60

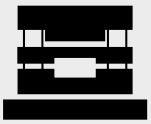


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*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

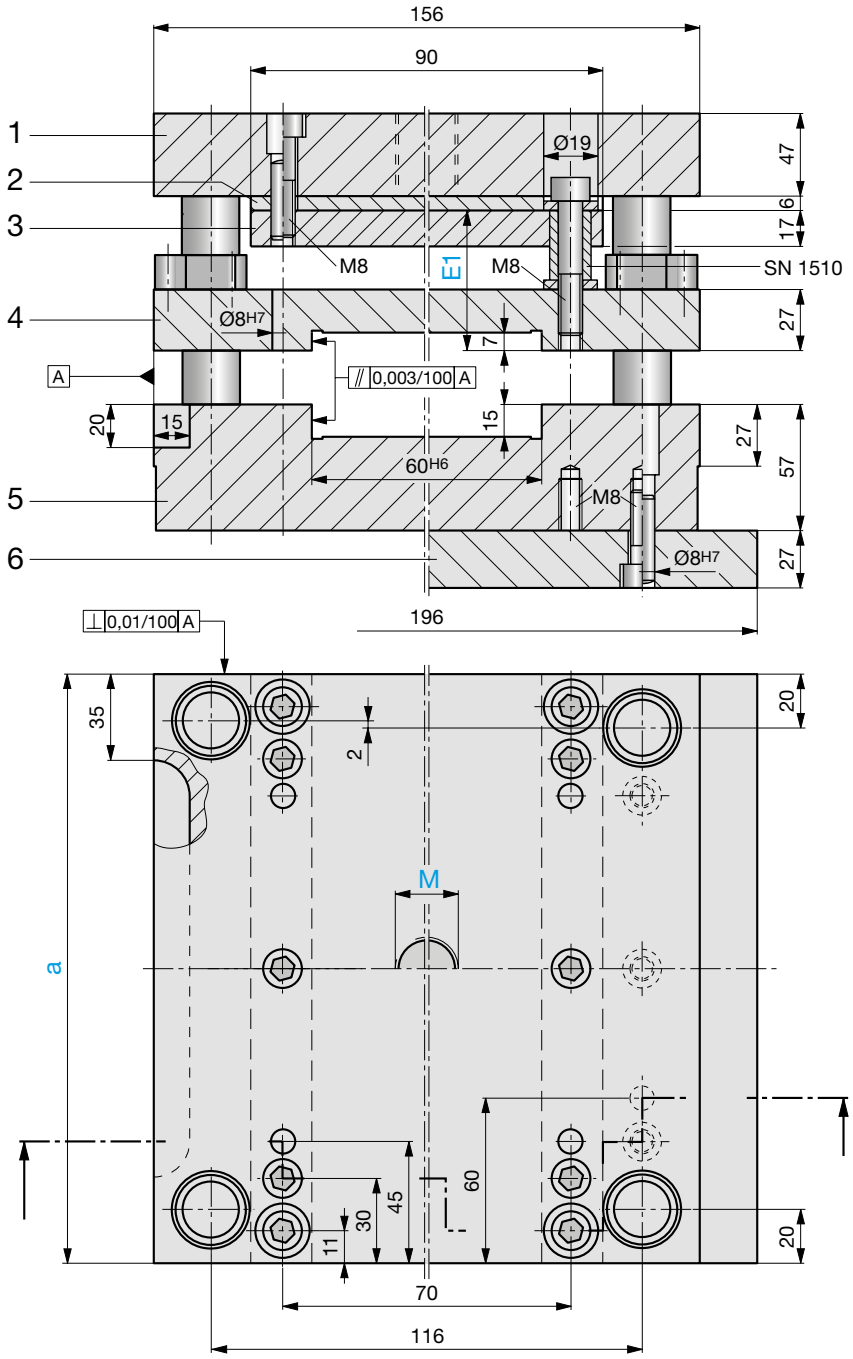
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L*	L1*	E1	M
SN 861 -GP-60 / SN 861 -WB-60 	156	160	85	60 / 70 / 80	0 / 24 x 1,5
	196				
	246				
	296				
	346				
SN 862 -GP-60 / SN 862 -WB-60 	156	160	85	60 / 70 / 80	0 / 24 x 1,5
	196				
	246				
	296				
	346				
SN 871 -GP-60 / SN 871 -WB-60 	156	160	85	60 / 70 / 80	0 / 24 x 1,5
	196				
	246				
	296				
	346				
SN 872 -GP -60 / SN 872 -WB-60 	156	160	85	60 / 70 / 80	0 / 24 x 1,5
	196				
	246				
	296				
	346				

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs

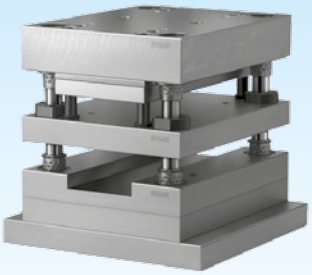


Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



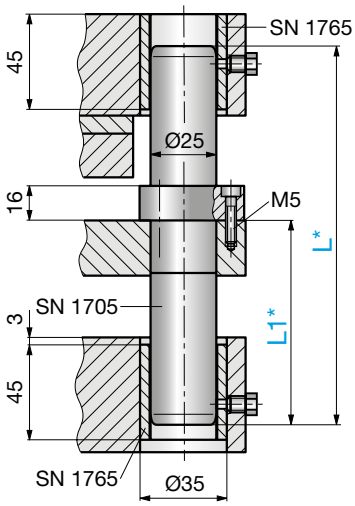
SN 861-, SN 862-, SN 871-, SN 872-

GP 80 / WB 80

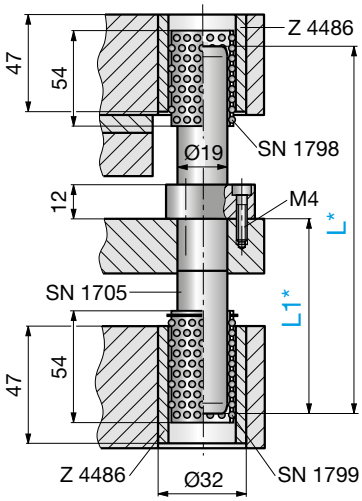
Mat.: 1.1730

Type-a-L-L1-E1-M-Mat

GP-80



WB-80



*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

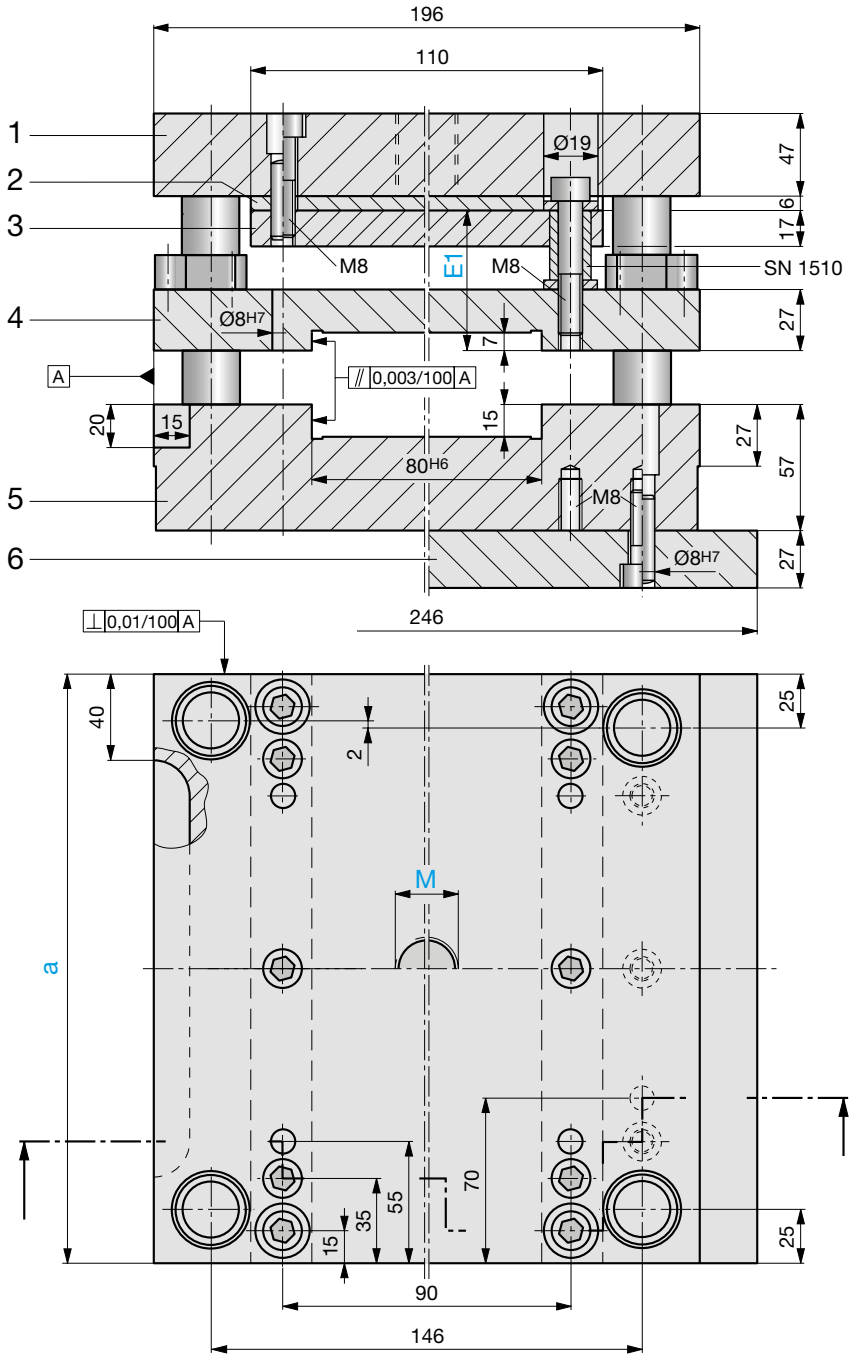
Folgeverbundwerkzeuge aus Mat.: 3.4365.7 (AL): Preise und Lieferzeit auf Anfrage

Progressive dies from Mat.: 3.4365.7 (AL): Price and délivery time on request

Outils progressifs en Mat.: 3.4365.7 (AL): Prix et délais de livrason sur demande

Type	a	L*	L1*	E1	M
SN 861 -GP-80 / SN 861 -WB-80 	196	160	85	60 / 70 / 80	0 / 24 x 1,5
	246				
	296				
	346				
	396				
SN 862 -GP-80 / SN 862 -WB-80 	196	160	85	60 / 70 / 80	0 / 24 x 1,5
	246				
	296				
	346				
	396				
SN 871 -GP-80 / SN 871 -WB-80 	196	160	85	60 / 70 / 80	0 / 24 x 1,5
	246				
	296				
	346				
	396				
SN 872 -GP-80 / SN 872 -WB-80 	196	160	85	60 / 70 / 80	0 / 24 x 1,5
	246				
	296				
	346				
	396				

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs

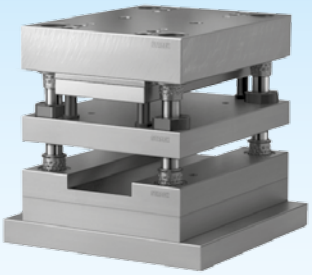


Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



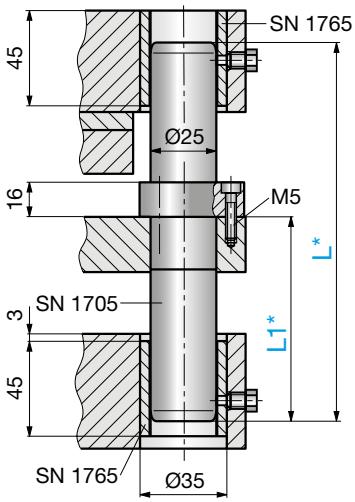
SN 861-, SN 862-, SN 871-, SN 872-

GP 100 / WB 100

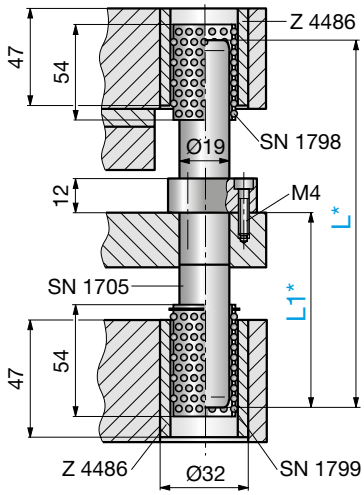
Mat.: 1.1730

Type-a-L-L1-E1-M-Mat

GP-100



WB-100



*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

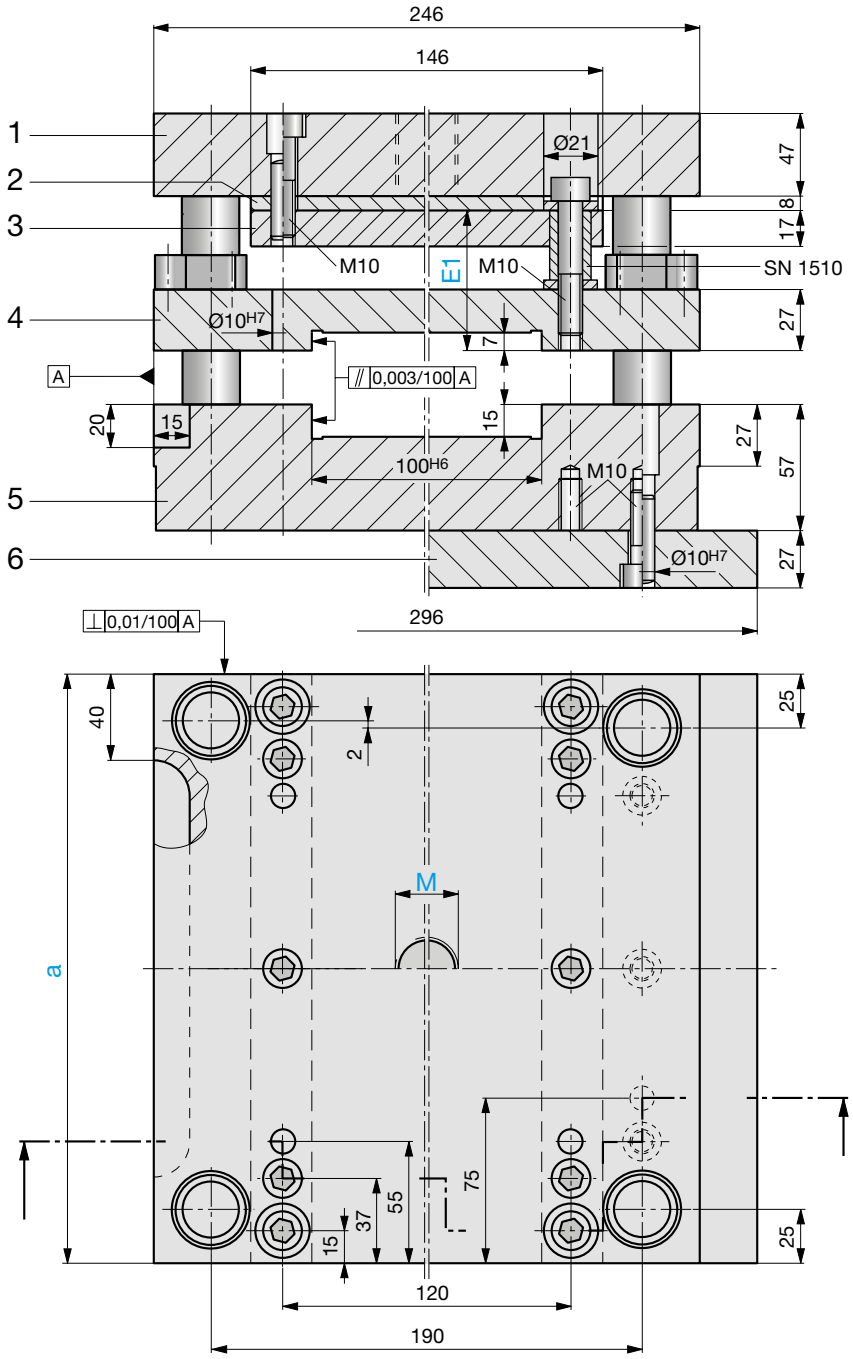
Folgeverbundwerkzeuge aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L*	L1*	E1	M
SN 861 -GP-100 / SN 861 -WB-100	246	160	85	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 862 -GP-100 / SN 862 -WB-100	246	160	85	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 871 -GP-100 / SN 871 -WB-100	246	160	85	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 872 -GP-100 / SN 872 -WB-100	246	160	85	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



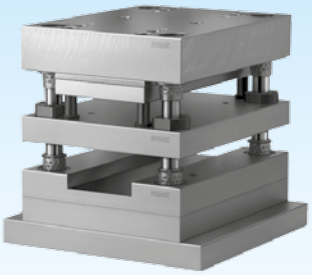
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



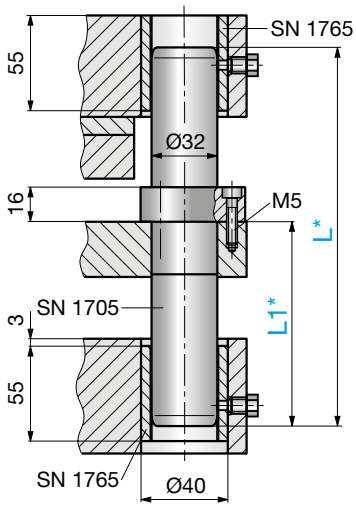
SN 861-, SN 862-, SN 871-, SN 872-

GP 125 / WB 125

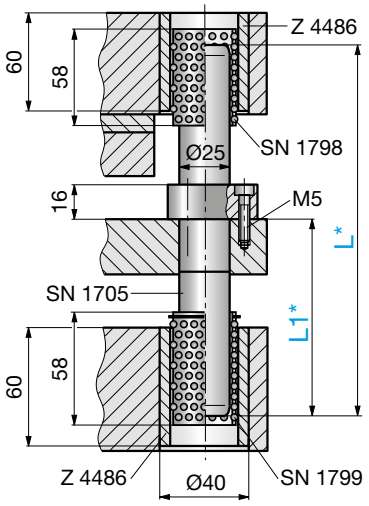
Mat.: 1.1730

Type-a-L-L1-E1-M-Mat

GP-125



WB-125



*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

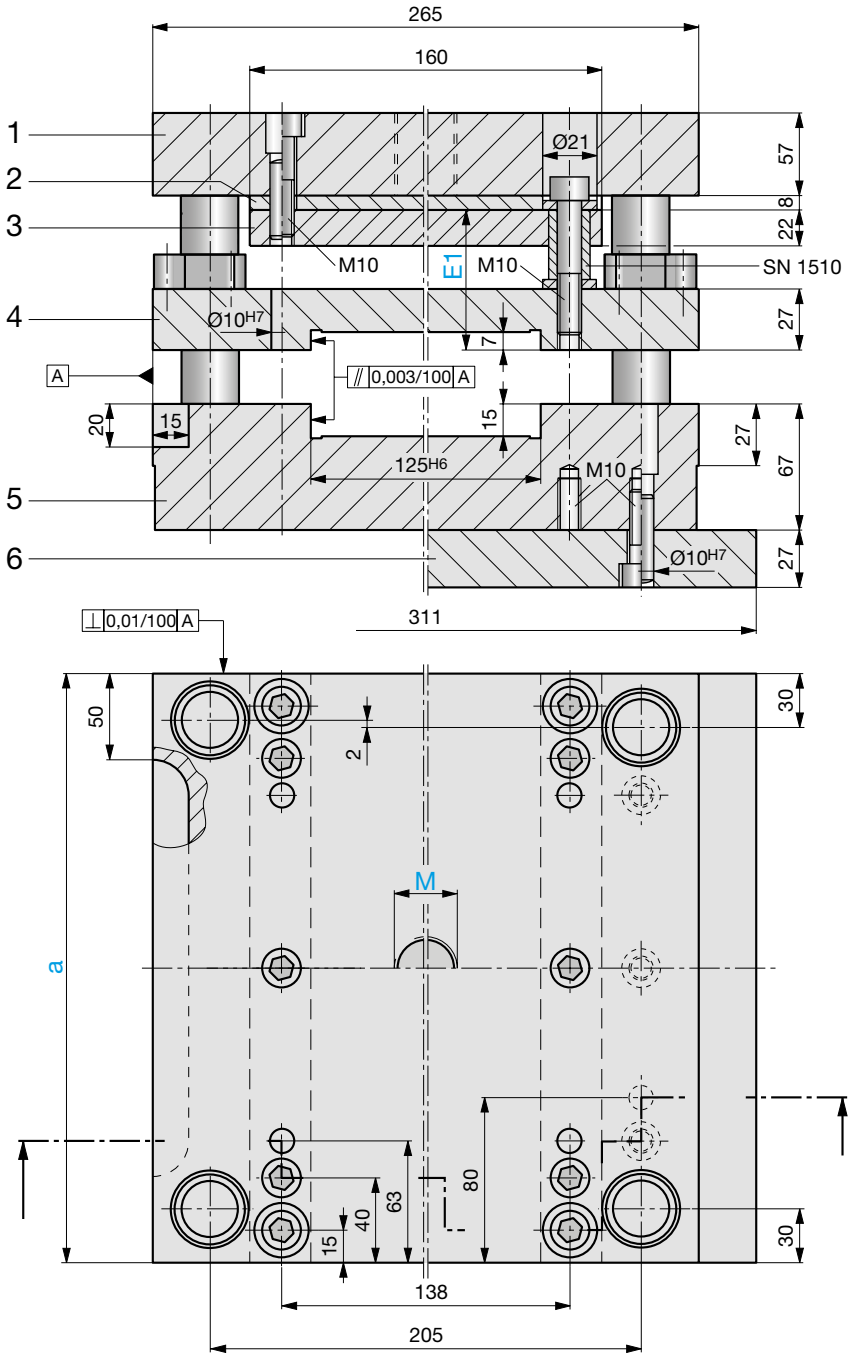
Folgeverbundwerkzeug aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L*	L1*	E1	M
SN 861 -GP-125 / SN 861 -WB-125	246	180	95	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 862 -GP-125 / SN 862 -WB-125	246	180	95	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 871 -GP-125 / SN 871 -WB-125	246	180	95	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				
SN 872 -GP-125 / SN 872 -WB-125	246	180	95	60 / 70 / 80	0 / 30 x 2
	296				
	346				
	396				
	446				

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



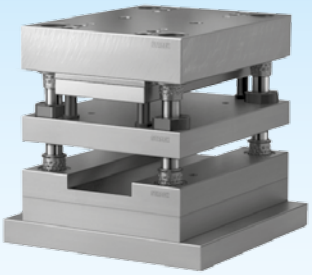
Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

D 3001 09.2017

Folgeverbundwerkzeuge

Progressive dies

Outils progressifs



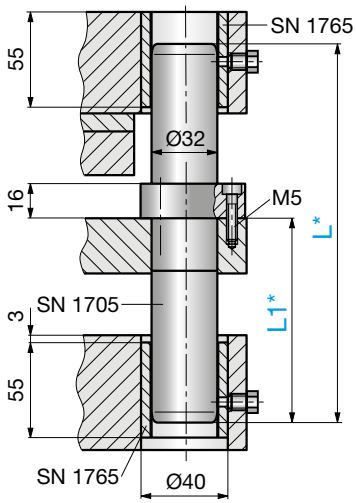
SN 861-, SN 862-, SN 871-, SN 872-

GP 160/WB 160

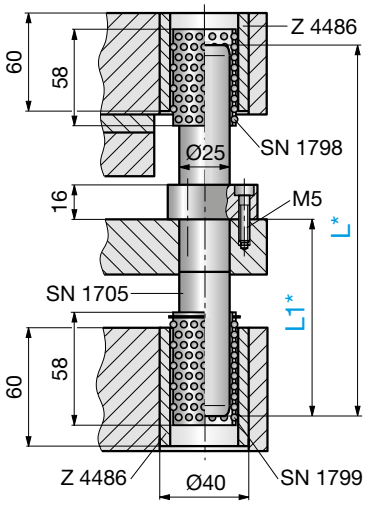
Mat.: 1.1730

Type-a-L-L1-E1-M-Mat

GP-160



WB-160



*andere Säulenlängen siehe Seite 2.1.57
*other die lenghts see page 2.1.57
*autres longueurs de colonne, voir page 2.1.57

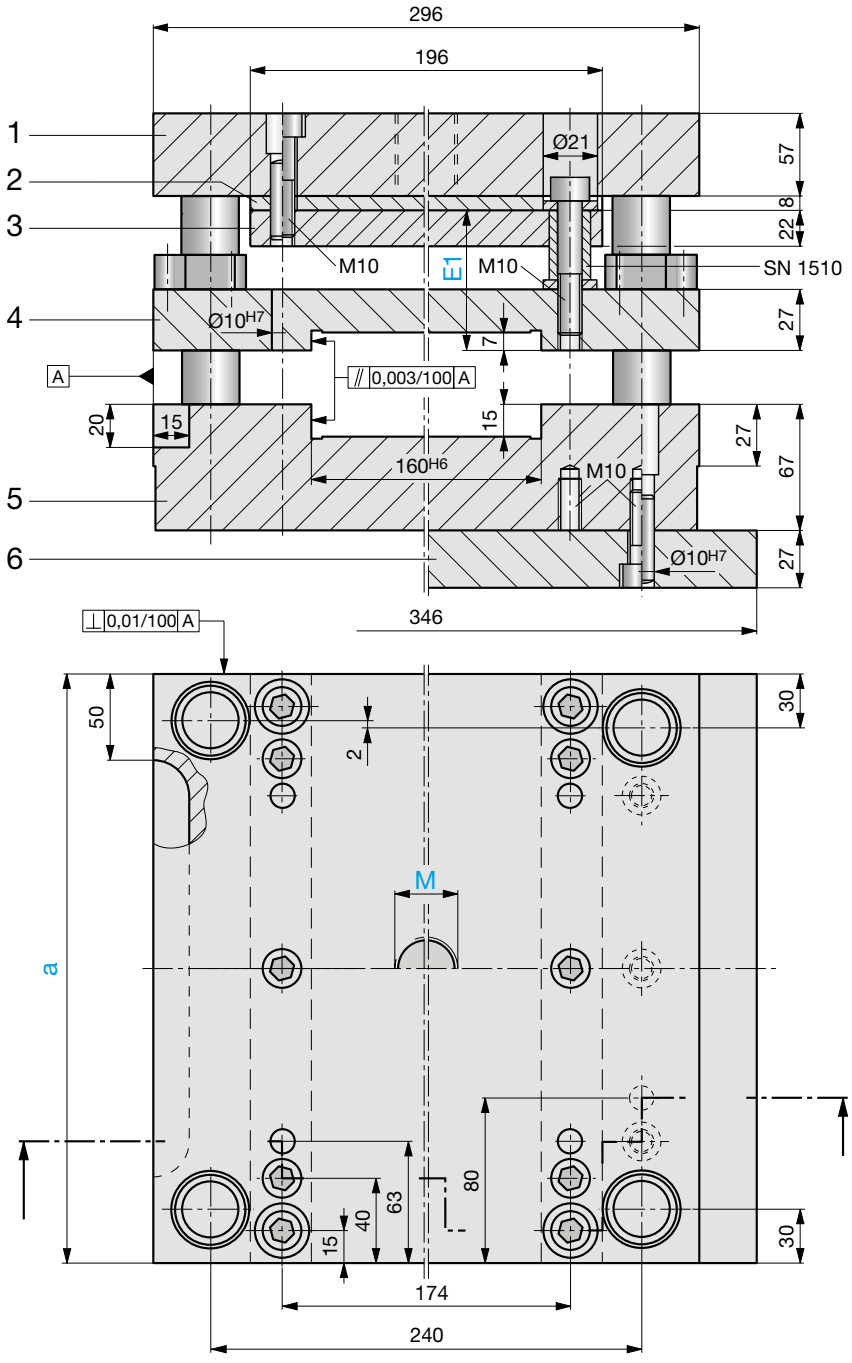
Folgeverbundwerkzeug aus
Mat.: 3.4365.7 (AL):
Preise und Lieferzeit auf Anfrage

Progressive dies from
Mat.: 3.4365.7 (AL):
Price and délivery time on request

Outils progressifs en
Mat.: 3.4365.7 (AL):
Prix et délais de livrason sur demande

Type	a	L*	L1*	E1	M
SN 861 -GP-125 / SN 861 -WB-125	296	180	95	60 / 70 / 80	0 / 30 x 2
	346				
	396				
	446				
	496				
SN 862 -GP-125 / SN 862 -WB-125	296	180	95	60 / 70 / 80	0 / 30 x 2
	346				
	396				
	446				
	496				
SN 871 -GP-125 / SN 871 -WB-125	296	180	95	60 / 70 / 80	0 / 30 x 2
	346				
	396				
	446				
	496				
SN 872 -GP-125 / SN 872 -WB-125	296	180	95	60 / 70 / 80	0 / 30 x 2
	346				
	396				
	446				
	496				

Präzisionsgestelle für Folgeverbundwerkzeuge | Construction of progressiv dies | Construction de outils progressifs



Pos. Item Pos.	Bezeichnung	Description	Désignation	Stück Quant. Nbre	Mat:	Mat:
1	Kopfplatte	Top plate	Plaque de tête	1	1.1730	3.4365.7
2	Stempeldruckplatte	Punch pressure plate	Plaque de pressure de poinçon	1	1.2842	1.2842
3	Stempelhalteplatte	Punch holding plate	Plaque porte poinçon	1	1.1730	1.1730
4	Stempelführungsplatte	Punch guide plate	Plaque guide de poinçon	1	1.1730	3.4365.7
5	Grundplatte	Base plate	Plaque de base	1	1.1730	3.4365.7
6	Aufspannplatte	Clamping plate	Plaque de fixation	1	1.1730	3.4365.7

☐ **Anfrage / Inquiry / Demande de devis**
☐ **Auftrag / Order / Bon de commande**

STRACK NORMA GmbH & Co. KG
Königsberger Str. 11
58511 Lüdenscheid
Tel.: 0 23 51 / 87 01-0
Fax: 0 23 51 / 87 01-100
E-Mail: info@strack.de

Firma / Company / Société

Straße / Street / Rue

Ort / Town / Ville

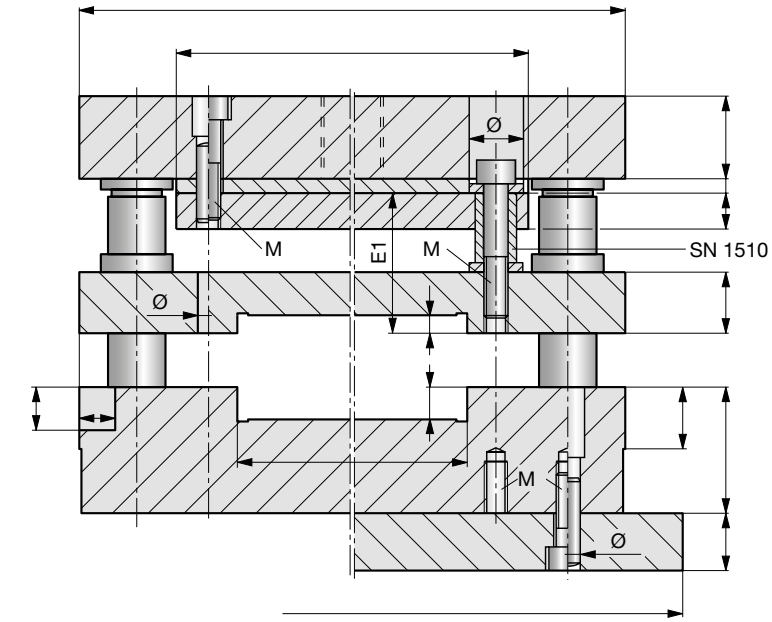
Name / Nom

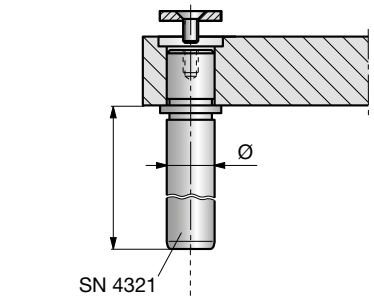
Tel., Fax

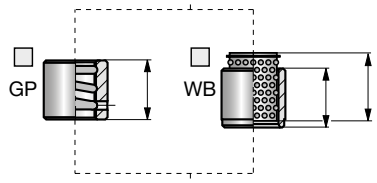
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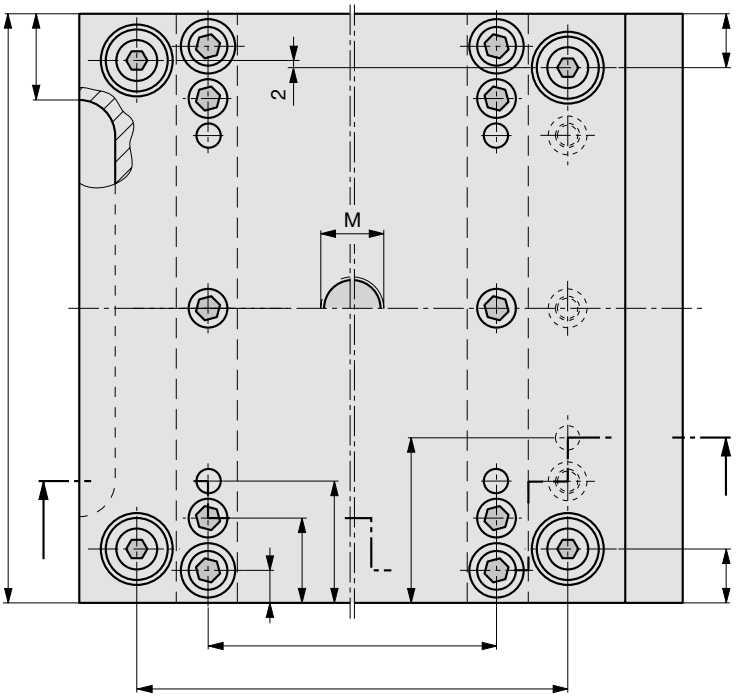
Fotokopieren, ausfüllen und per Fax an uns.
Please copy, fill in and fax to us.
Photocopier, remplir et nous retourner.

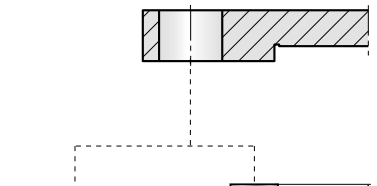
☐ Mat.: 1.1730
☐ Mat.: 3.4365 (AL)











☐ **Anfrage / Inquiry / Demande de devis**
☐ **Auftrag / Order / Bon de commande**

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E-Mail: info@strack.de

Firma / Company / Société

Straße / Street / Rue

Ort / Town / Ville

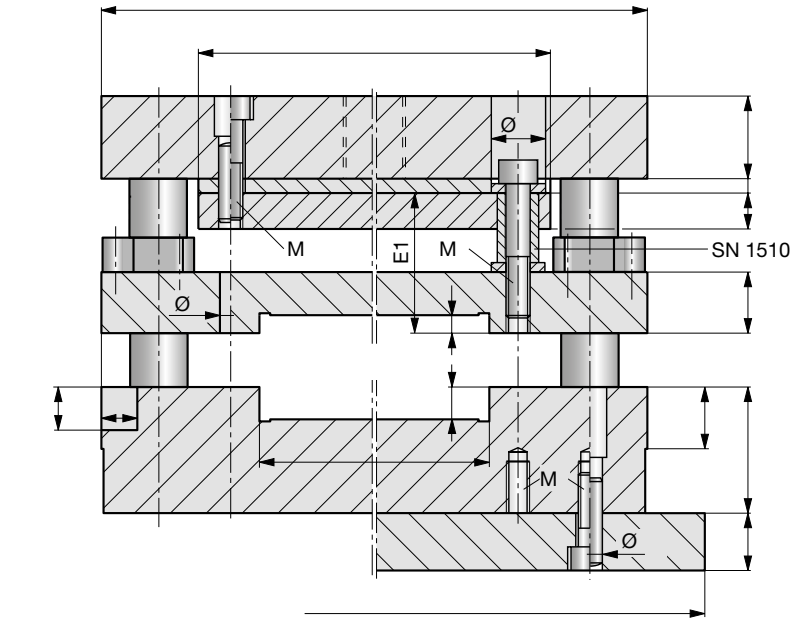
Name / Nom

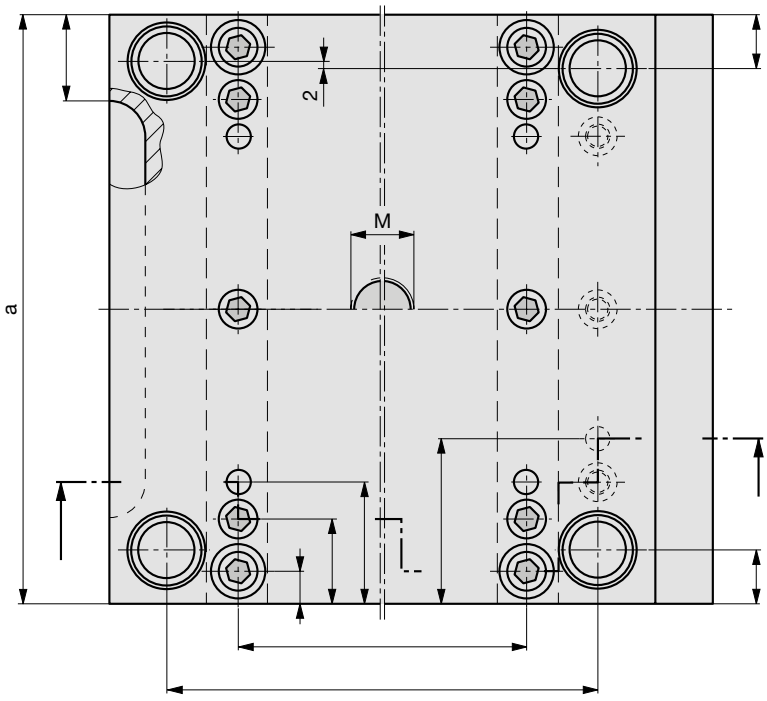
Tel., Fax

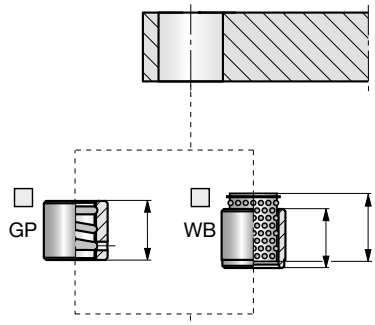
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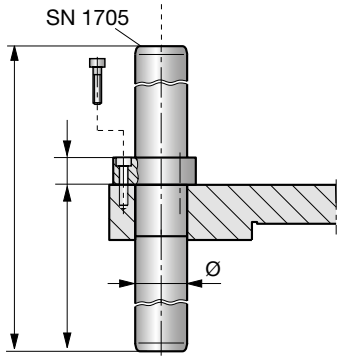
Fotokopieren, ausfüllen und per Fax an uns.
Please copy, fill in and fax to us.
Photocopier, remplir et nous retourner.

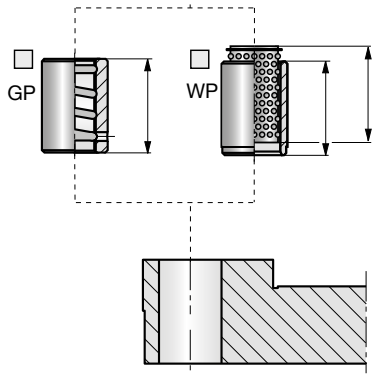
☐ Mat.: 1.1730
☐ Mat.: 3.4365 (AL)











D 3001 09.2017

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INFORMATIONEN DEUTSCH

INFORMATION ENGLISH

INFORMATIONS FRANÇAIS

STRACK®

NORMALIEN

Information deutsch

Präzisionsgestelle für Folgeverbundwerkzeug

Konstruktion-Ausführung

SN 7... = Ausführung mit Bundsäulen SN 4321 in Pos. 1 befestigt (s. Seite **6.4** ff).
SN 8... = Ausführung mit Mittenbundsäulen SN 1705 in Pos. 4 befestigt (s. Seite **6.14** ff).

SN 76 1
SN 86 1
└ Schnittkanal nur in der Säulenführungsplatte

SN 7 6 2
SN 8 6 2
└ Schnittkanal in der Säulenführungs- und Stempelführungsplatte
└ Säulenführungsplatte mit seitlich eingefrästem Spannrand

SN 77 1
SN 87 1
└ Schnittkanal nur in der Säulenführungsplatte

SN 7 7 2
SN 8 7 2
└ Schnittkanal in der Säulenführungs- und Stempelführungsplatte Säulenführungsplatte ohne seitlich eingefrästem Spannrand. Mit verschraubter, seitlich überstehender Grundplatte.

GP Gleitführungsbuchsen bronzeplattiert, vorbereitet zum Anschluss an die Maschinenzentralschmierung, Anschlussgewinde M8 x 1 (außer SN 960 - 962).

WB Wälzführung mit Messingkäfig. Besonders geeignet für schnellaufende Stanzautomaten, vor allem bei geringer Hubhöhe.

Bestellbeispiel:

SN 76 1 WB 60 - 246 - 150 - 70 - M - Mat

- Werkstoff
- Gewinde in der Säulenhalteplatte
- E1 = Abstandhalter
- Säulenlänge
- Werkzeuglänge
- Schnittkanalbreite
- Führungsart
- Schnittkanal nur in der Säulenführungsplatte
- Säulenführungsplatte mit seitlich eingefrästem Spannrand

Schnittkanal-Längen
Schnittkanal-Breiten

Sonderanfertigungen sind möglich. Maße auf Anfrage.

Schnittkanal-Tiefen

Säulenführungsplatte 15 mm,
Stempelführungsplatte 7 mm.
Andere Tiefen auf Wunsch, soweit konstruktiv möglich.

Werkstoff

nach Stückliste. Analysen und Behandlungsvorschriften siehe Kapitel Informationen, Seite **Info 4**.

Aufbau – Montage – Wartung

Bild 1 (Ausführung SN 762/ SN 772) zeigt die teilweise und komplette Zerlegung in Einzelteile. Zur Zentrierung von Stempelhalte- und Stempelführungsplatte werden die Passstifte aus der Säulenhalteplatte herausgedrückt. Nach Entfernen der Innensechskantschrauben in den Führungssäulen, der Stempelhalteplatte und der Abstandhalter können die Säulen ebenfalls nach unten gedrückt werden. Säulenhalte- und Stempeldruckplatte werden frei.

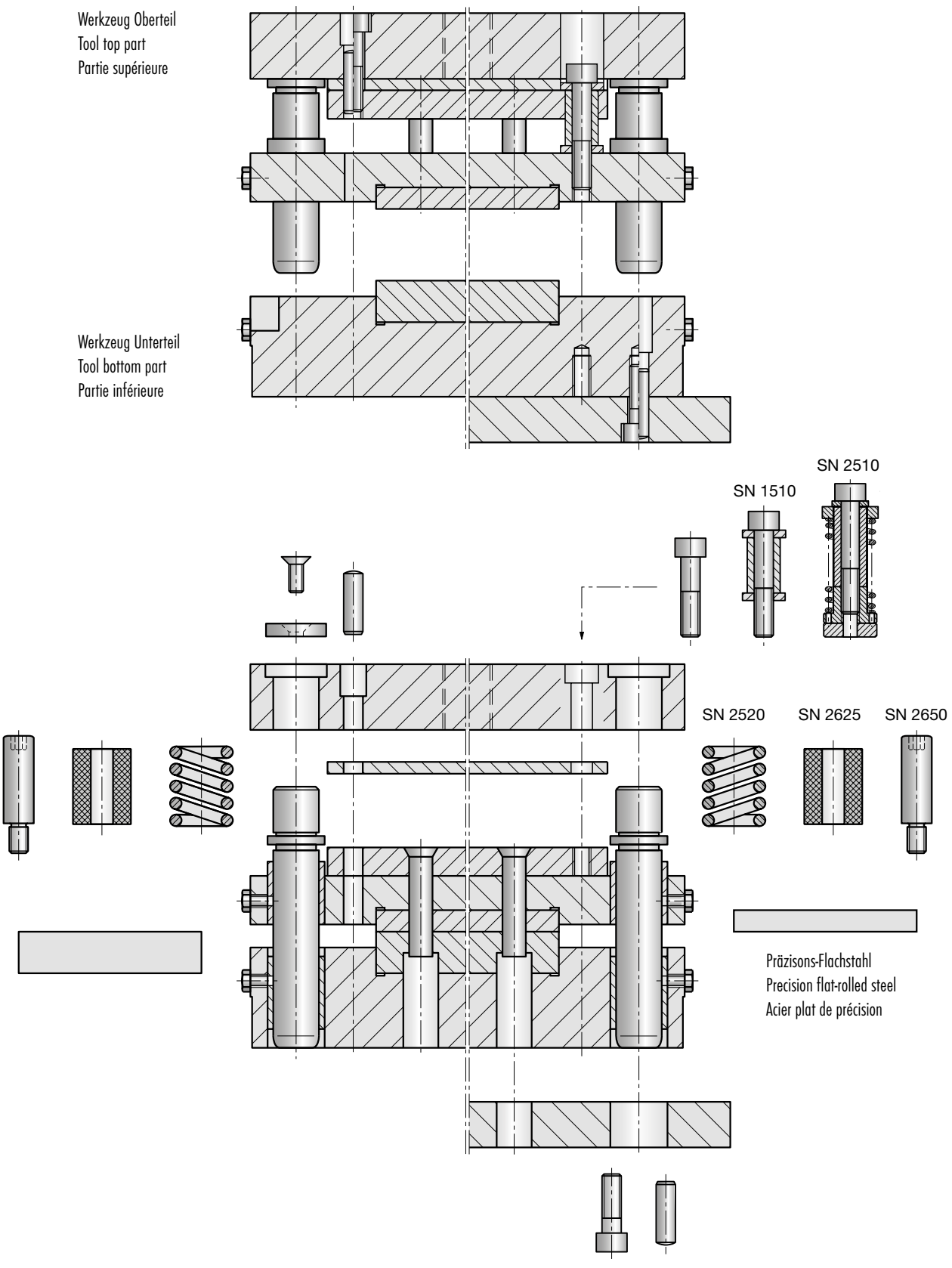
Durch die Säulen zentriert bleiben Werkzeugunterteil und Stempelführungsplatte. Diese ist durch Passstifte mit der Stempelhalteplatte verbunden.

Seitlich neben der Stempeldruck- und der Stempelhalteplatte ist zwischen den Führungssäulen Raum für Federelemente, je nach Verwendungszweck
Spiralfedern SN 2300, SN 2350, SN 2450, SN 2500
System-Druckfedern SN 2520, SN 2540, SN 2560, SN 2580
Elastomerfedern SN 2600, SN 2625
nach Wahl des Konstrukteurs.

Schmierung

Bei Gleitführungen ist ein regelmäßiges Nachschmieren mittels Hochdruckstoßpresse erforderlich, empfohlenes Schmiermittel Schmieröl Z 9080, siehe Seite 2.**9.53**.
Vor der Montage sollte bei sämtlichen Passteilen eine dünne Schicht Festschmierstoffpaste Z 9060 aufgetragen werden, siehe Seite 2.**9.48**.

Information deutsch



D 3001 09.2017

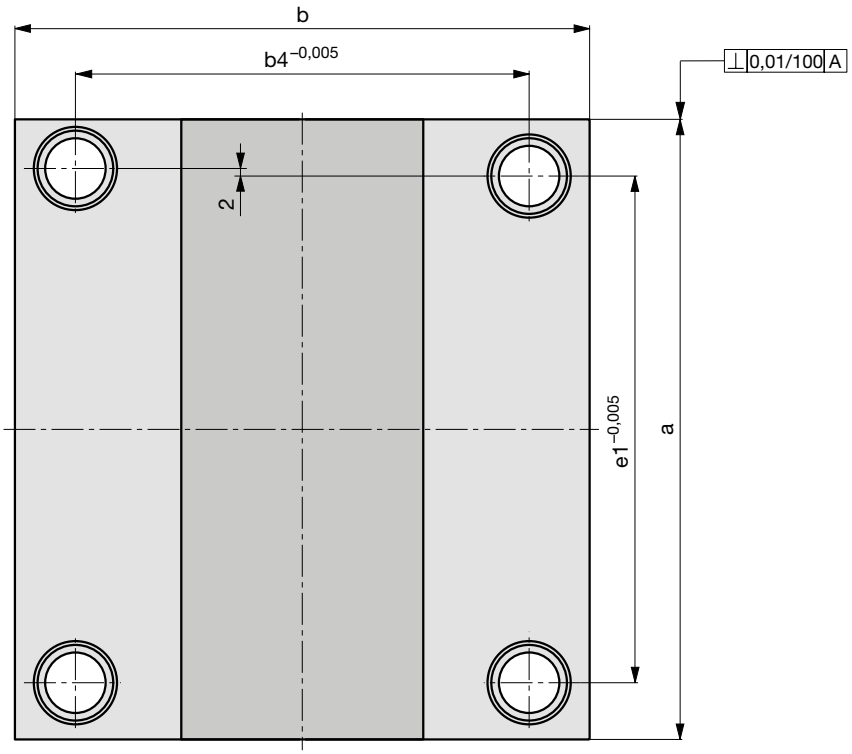
Information deutsch

Toleranzblatt

Dieses Toleranzblatt gilt nur für folgende Folgeverbundwerkzeuge:

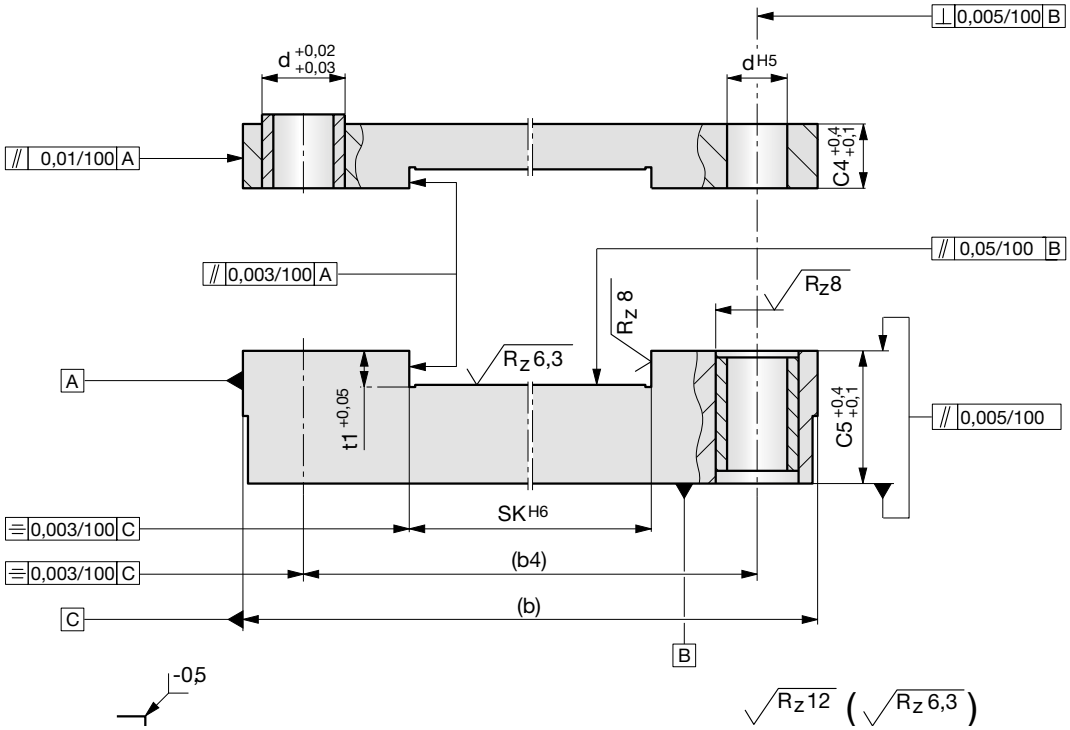
SN 761, SN 762, SN 771, SN 772
SN 861, SN 862, SN 871, SN 872

Die Platten 4 und 5 sind in einer Aufspannung feinstgefräst und gebohrt.



SN 761 - SN 772

SN 861 - SN 872



Information english

Progressive dies

Design type

SN 7... = type with collar pillars SN 4321 fastened in item 1 (see page **6.4** ff).
)
SN 8... = type with centre-collar pillars SN 1705 fastened in item 4 (see page **6.14** ff).

SN 76 1
SN 86 1
- Cutting passage only in the pillar guide plate

SN 7 6 2
SN 8 6 2
- Cutting passage in the pillar guide plate and punch guide plate
- Pillar guide plate with laterally milled clamping edge

SN 77 1
SN 87 1
- Cutting passage only in the pillar guide plate

SN 7 7 2
SN 8 7 2
- Cutting passage in the pillar guide plate and punch guide plate; pillar guide plate without laterally milled clamping edge. With screwed laterally projecting base plate.

GP Guide bushes bronze-plated, prepared for connection to the central machine lubrication, connecting thread M8 x 1 (except SN 960 – SN 962).
WB Antifriction slideway with brass retainer. Especially suitable for high-speed automatic punching machines, in particular with short length of stroke.

Ordering example:

SN 76 1 WB 60 - 246 - 150 - 70 - M - Mat
- Material
- Thread in the pillar retaining plate
- E1 = spacer
- Pillar length
- Tool length
- Cutting passage width
- Guide type
- Cutting passage only in the pillar guide plate
- Pillar guide plate with laterally milled clamping edge

Cutting passage lengths
Cutting passage widths

Special designs are possible. Dimensions on request.

Cutting passage depths

Pillar guide plate 15 mm, punch guide plate 7 mm. Other depths on request so far as possible in terms of design.

Material

according to parts list. For analyses and treatment specifications see chapter information, page **Info 10**.

Construction – Assembly – Maintenance

Figure 1 (type SN 762/SN 772) shows the partial and complete breakdown into individual parts. To centre the punch retaining plate and punch guide plate, the dowel pins are pushed out of the pillar retaining plate. After removal of the hexagonal socket screws in the guide pillars, the punch retaining plate and the spacers, the pillars can likewise be pressed downwards. Pillar retaining plate and punch pressure plate are released.

Tool bottom part and punch guide plate remain centred by the pillars. The punch guide plate is connected to the punch retaining plate by dowel pins.

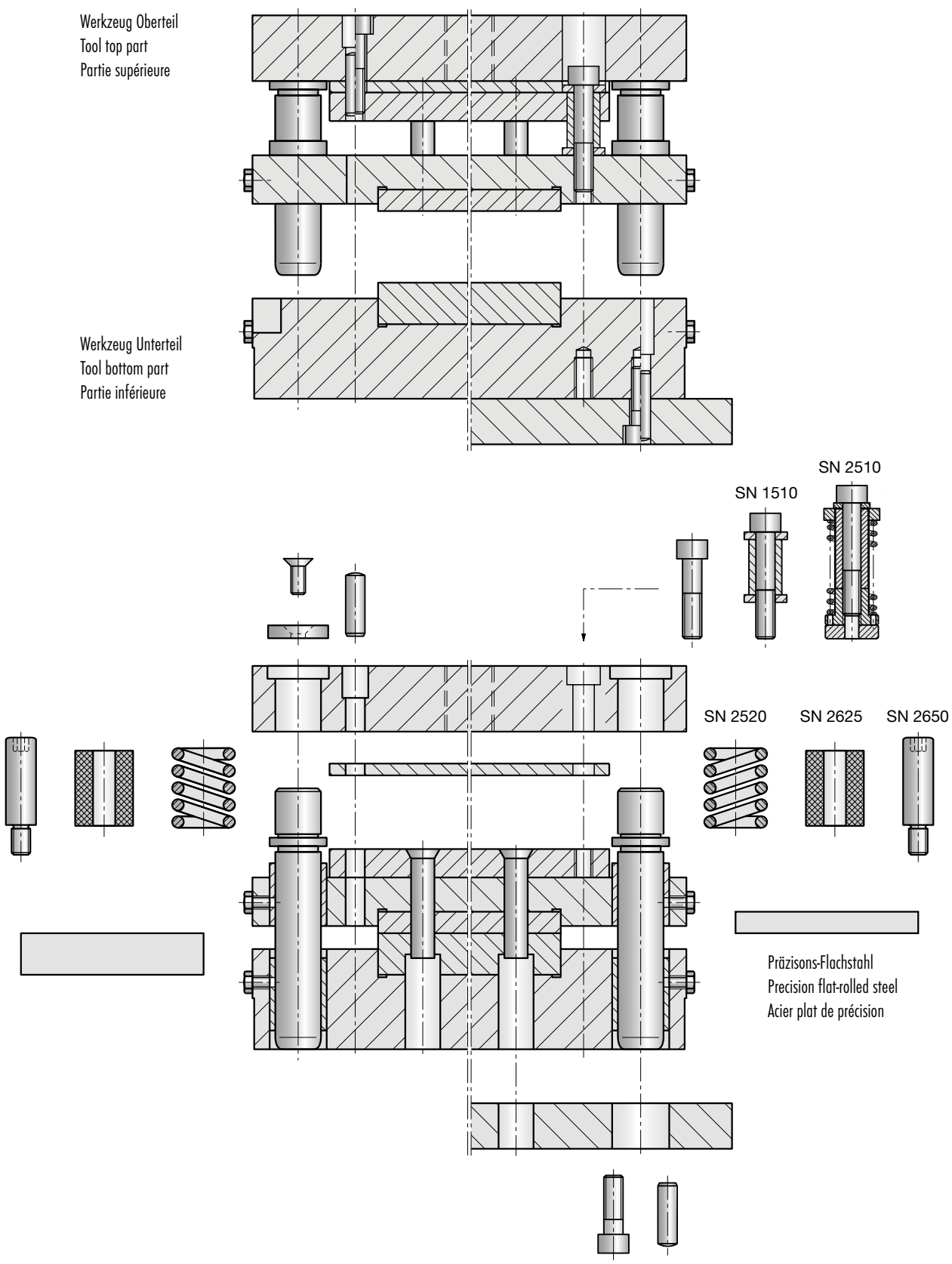
At the side next to the punch pressure plate and the die holding plate, there is space between the guide pillars for spring elements, depending on intended use coil springs SN 2300, SN 2350, SN 2450, SN 2500
system compression springs SN 2520, SN 2540, SN 2560,SN 2580
elastomeric springs SN 2600, SN 2625
at designer's option.

Lubrication

In the case of slideways, regular re-lubrication by means of high-pressure handgun is necessary; recommended lubricant – lubricating oil Z 9080, catalogue page 2.**9.53**.
We recommend that a thin layer of solid lubricant paste Z 9060 be applied before assembly on all mating parts, see catalogue page 2.**9.48**.

D 3001 09.2017

Information english



D 3001 09.2017

STRACK NORMA GmbH & Co. KG · Königsberger Str. 11 · D-58511 Lüdenscheid · Tel +49 2351 8701-0 · www.strack.de

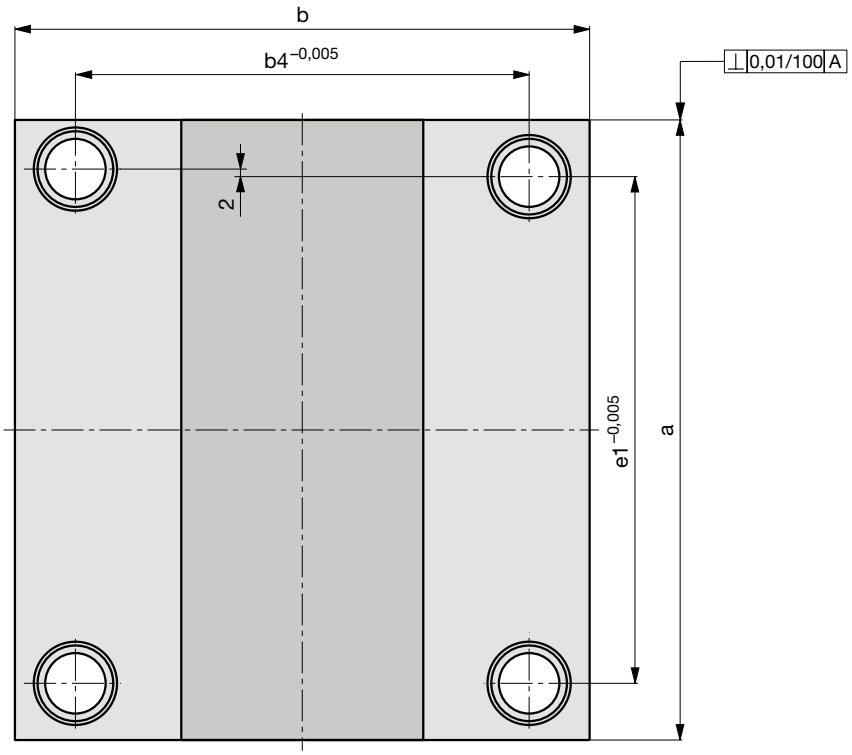
Information english

Tolerance sheet

This tolerance sheet applies to the following progressive dies only:

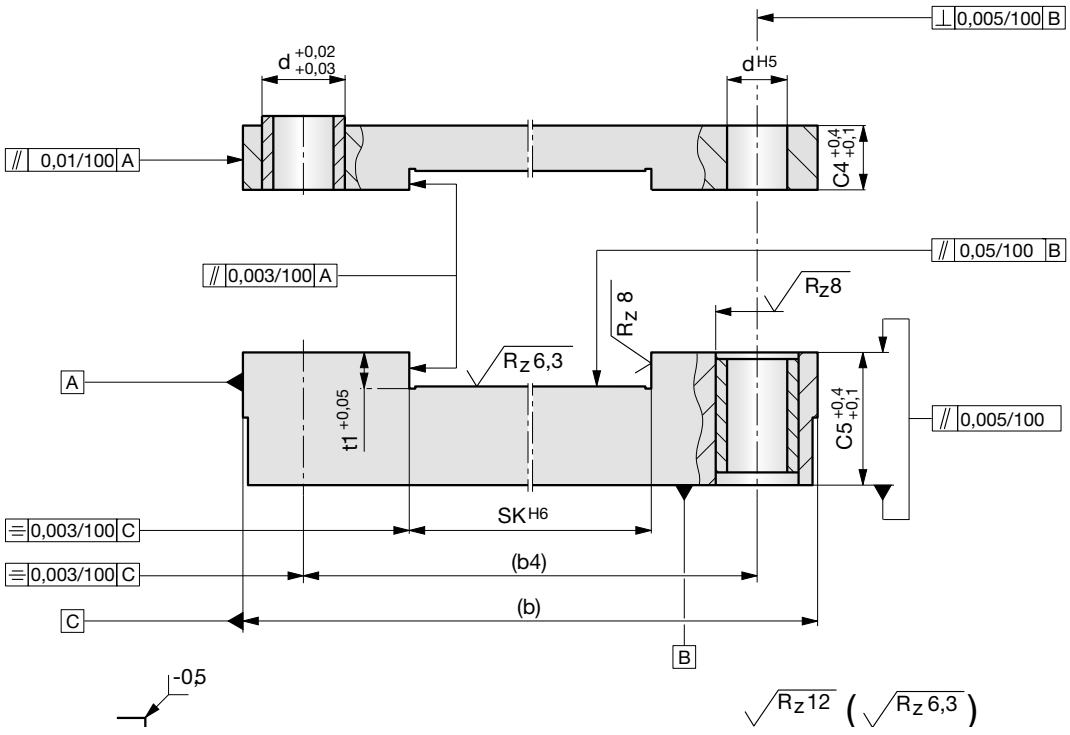
SN 761, SN 762, SN 771, SN 772
SN 861, SN 862, SN 871, SN 872

Plattes 4 and 5 are precision-milled and drilled in a work-fixture.



SN 761 - SN 772

SN 861 - SN 872



Information français

Outils progessifs

Conception - Exécution

SN 7... = Avec colonnes à retenue inférieure SN 4321 montées inversées dans la plaque porte-nez (voir page **6.4** et suivants).

SN 8... = Avec colonnes à retenue médiane SN 1705 fixées sur le dévêtisseur (voir page **6.14** et suivants).

SN 76 1
SN 86 1
- Embrèvement sur support matrice seulement

SN 7 6 2
SN 8 6 2
- Embrèvement sur support matrice et sur dévêtisseur
- Support matrice avec décrochement de bridage

SN 77 1
SN 87 1
- Embrèvement sur support matrice seulement

SN 7 7 2
SN 8 7 2
- Embrèvement sur support matrice et sur dévêtisseur Avec semelle débordante; support matrice sans décrochement de bridage

GP Guidage lisse : Bague en acier, intérieur plaqué bronze, avec trou graisseur permettant le raccordement au graissage central de la machine (lubrification en cours de service) M8 x 1 (sauf SN 960 - 962)

WB Guidage à billes : Bague en acier avec cage à billes en laiton; ce guidage convient surtout pour outils de précision à cadences élevées et faible course.

Exemple de commande:

SN 76 1 WB 60 - 246 - 150 - 70 - M - Mat
- Matière
- Trou taraudé pour nez de presse
- Entretoise fixe pour E1
- Longueur de colonne
- Longueur d'outil
- Largeur d'embrèvement
- Type de guidage
- Embrèvement sur support matrice seulement
- Support matrice avec décrochement de bridage

Dimensions des embrèvements

Longueurs/largeurs standard ou fabrication spéciale sur demande.

Profondeurs standard 15 mm sur support matrice pour matrice rapportée et 7 mm sur dévêtisseur pour guide rapporté. Autres profondeurs sur demande.

Matière

Selon nomenclature. Analyses et instructions de traitement, voir chapitre informations, page **Info 16**.

Montage – Démontage – Maintenance

La figure 1 montre le schéma de démontage d'un bloc à colonnes SN 762 (plaque support matrice avec décrochement de bridage) et SN 772 (avec semelle débordante).
Démontage : Chasser les goupilles de centrage de la plaque porte-nez. Enlever les vis de fixation des colonnes de guidage, les vis de fixation de la plaque porte-poinçons et les vis des entretoises. Sortir les colonnes de guidage de la plaque porte-nez.
La partie inférieure de l'outil et le dévêtisseur sont maintenus en position par les colonnes de guidage. Pour libérer la plaque porte-poinçons, chasser les goupilles de centrage entre celle-ci et la plaque dévêtisseur.

Sur le côté des plaques de choc et porte-poinçons il y a de la place entre les colonnes pour le montage de ressorts permettant la réalisation d'un dévêtisseur élastique. Selon l'application envisagée, les ressorts suivants sont disponibles:

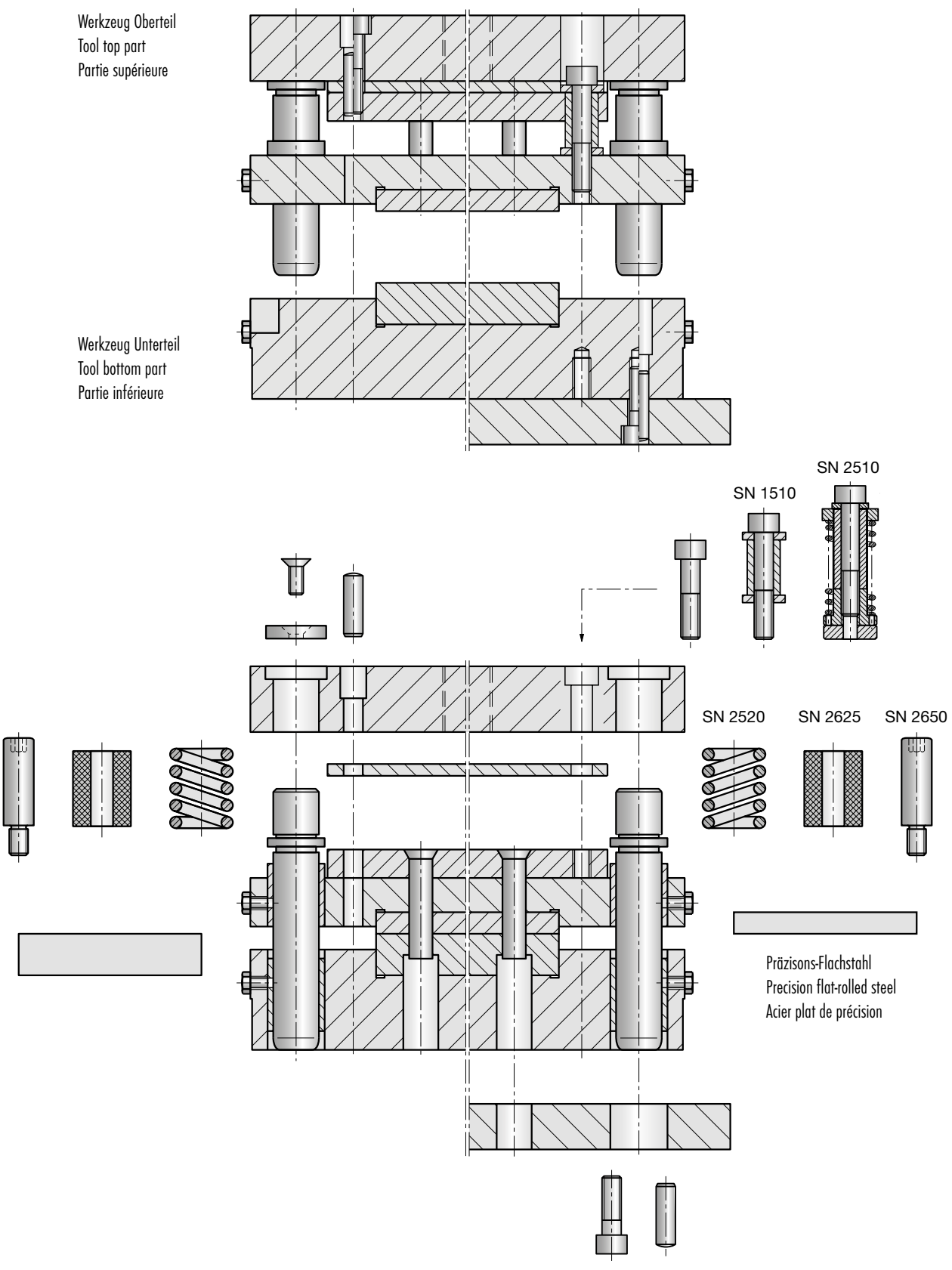
Ressorts hélicoïdaux SN 2300, SN 2350, SN 2450, SN 2500
Ressorts de compression SN 2520, SN 2540, SN 2560, SN 2580
Ressorts en élastomère SN 2600, SN 2625.

Renouvellement du lubrifiant

Les guidages lisses nécessitent le renouvellement périodique du lubrifiant au moyen d'une pompe à poussoir. Lubrifiant préconisé : Huile de graissage Z 9080 (voir page 2.**9.53**).

Pour le montage des pièces ajustées, nous recommandons l'application d'une mince couche de lubrifiant pâteux Z 9060 (voir page 2.**9.48**).

Information français



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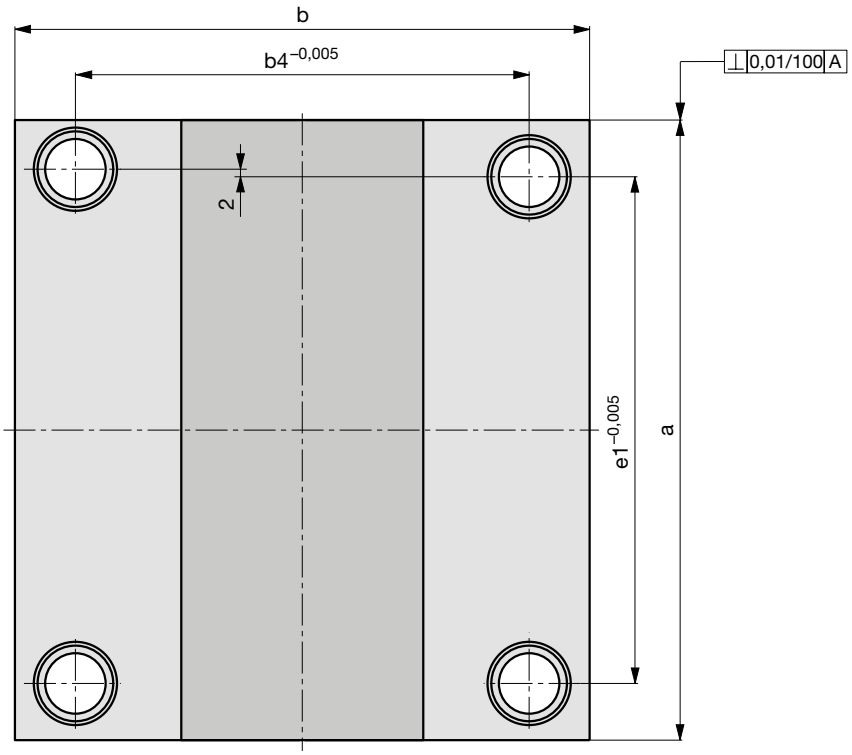
Information français

Feuille de tolérances

Ces tolérances dimensionnelles ne s'appliquent qu'aux références suivantes:

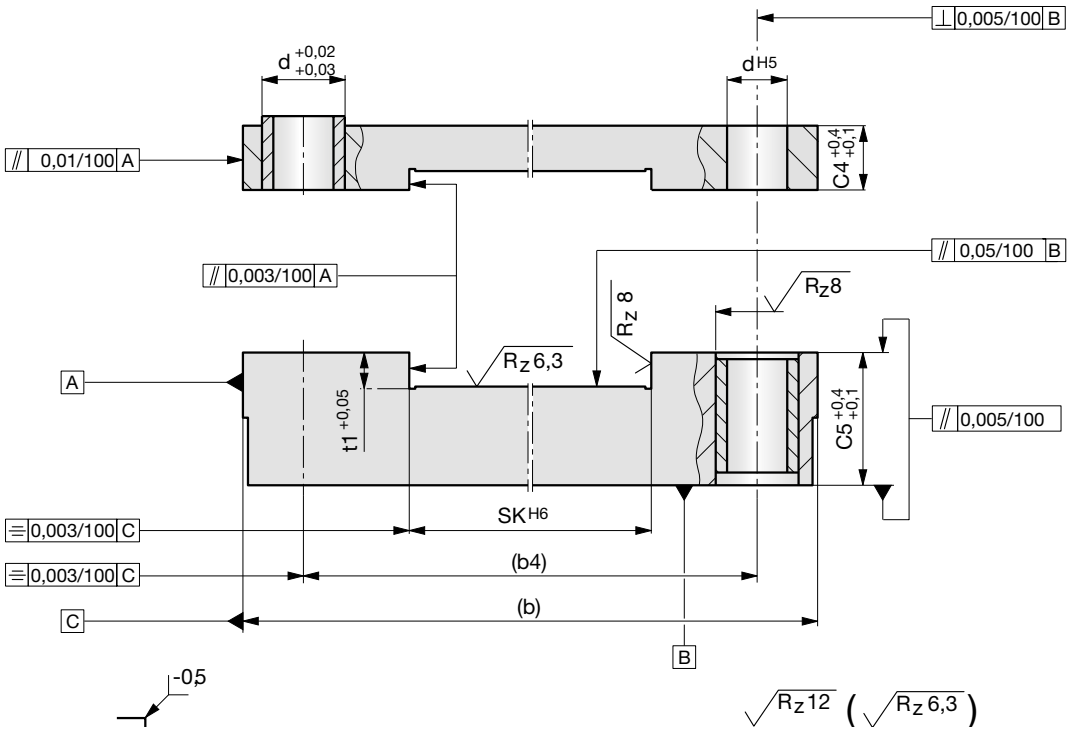
SN 761, SN 762, SN 771, SN 772
SN 861, SN 862, SN 871, SN 872

Les plaques dévètisseur et support matrice sont fraisées et percées «en ligne».



SN 761 - SN 772

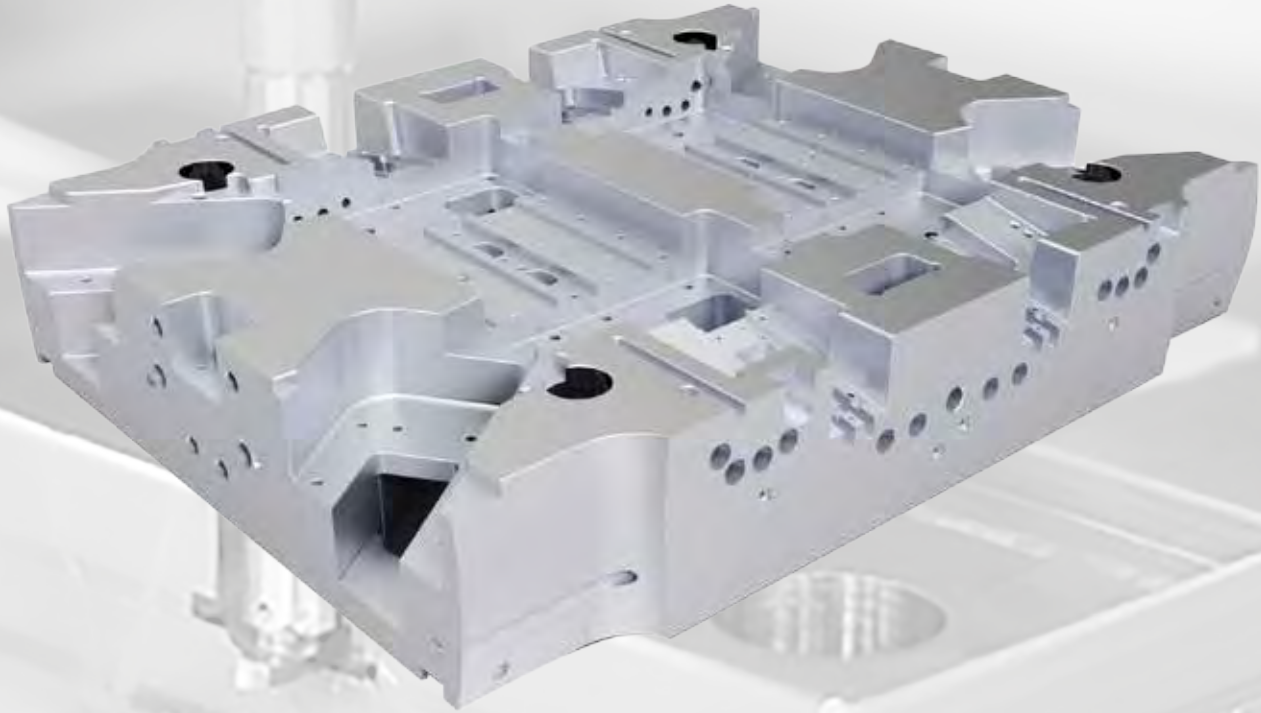
SN 861 - SN 872



SONDERGESTELLE UND ZUSATZBEARBEITUNGEN

SPECIAL DIE SETS AND ADDITIONAL MACHINING

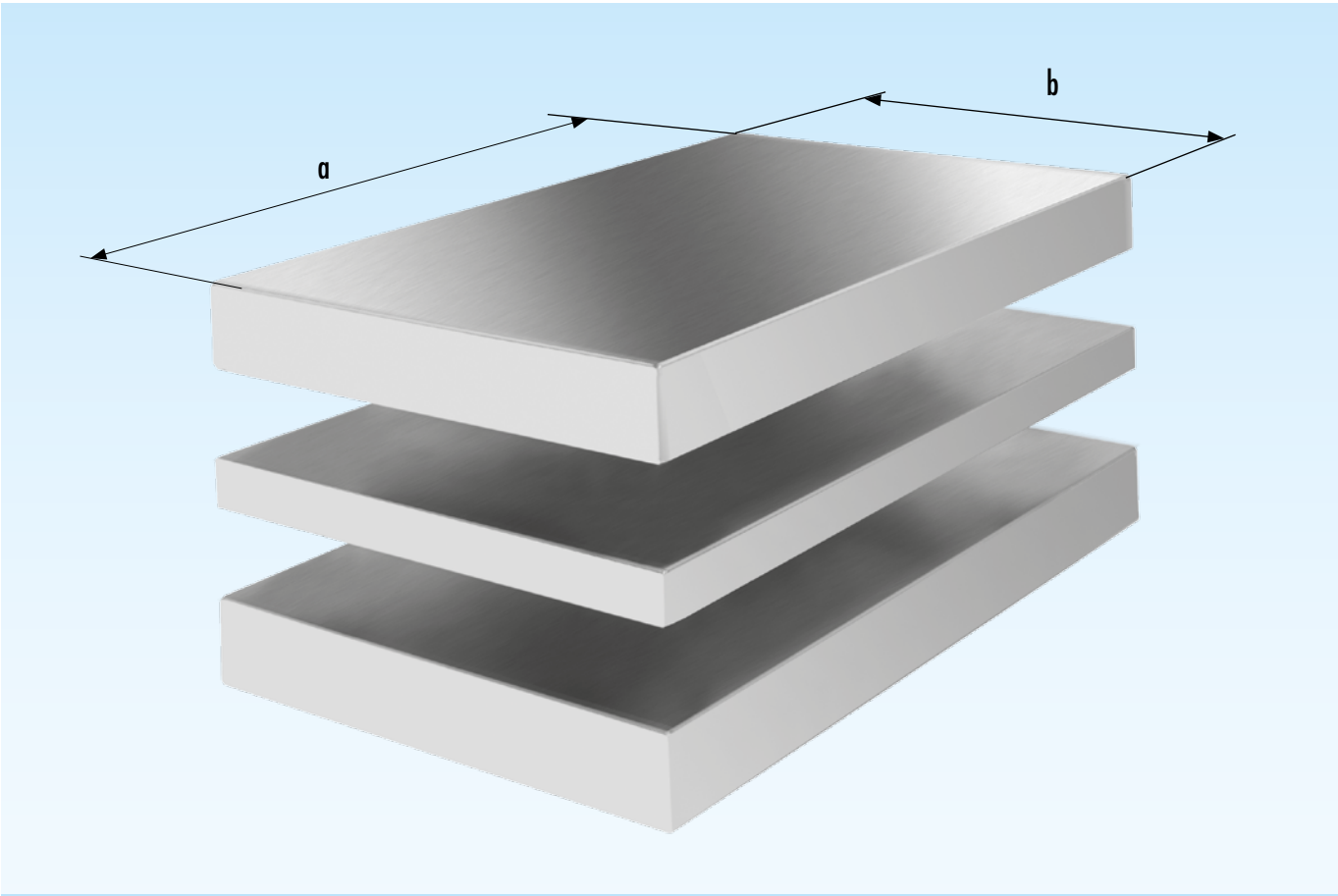
BLOCS SPECIAUX ET USINAGES COMPLEMENTAIRES



STRACK®

NORMALIEN

Sondergestelle	Special die sets	Blocs spéciaux



a x b: max. 2 500 mm x 1400 mm

Im Einzelfall auch größer	Also larger in individual cases	Egalement plus grands aux cas individuals

Sondergestelle werden auf Wunsch mit Zusatzbearbeitungen nach Ihren Angaben gefertigt und geliefert.

Ausführung wahlweise mit Gleit- oder Wälzführungen.

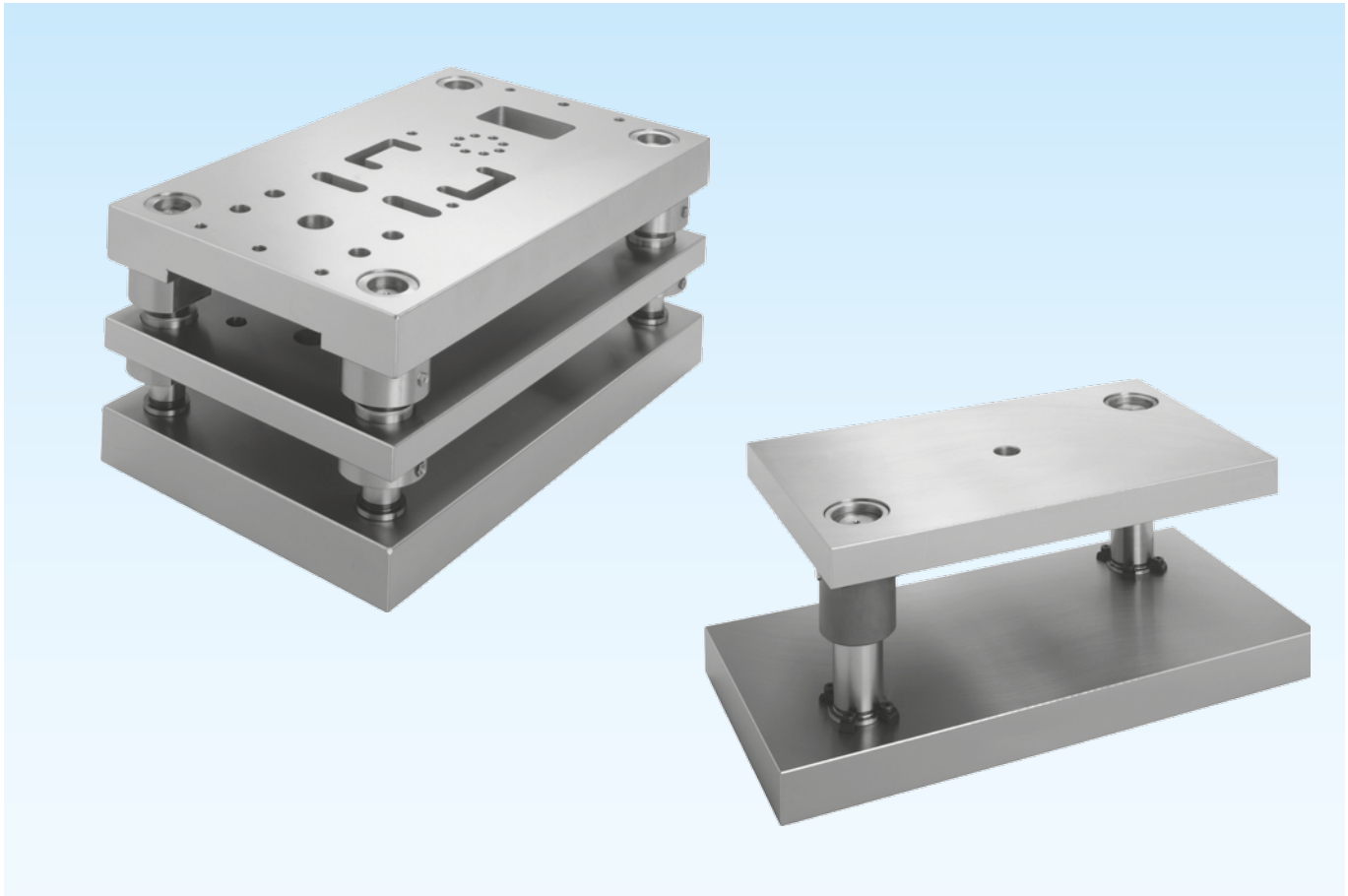
On demand special die sets are produced and delivered with additional machining according to your indications.

Execution optionally with sliding or rolling guides.

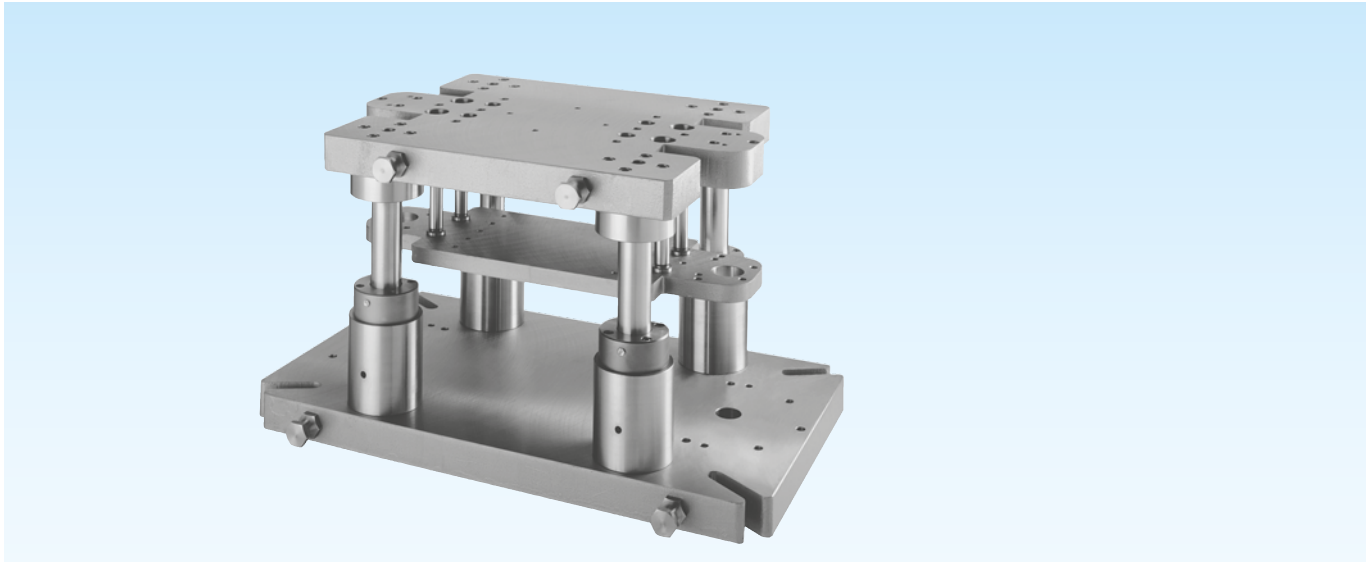
Sur demande des blocs à colonnes spéciaux sont produits et livrés avec une usinage complémentaire selon vos indications.

Exécution en option avec une guidage lisse ou à billes.

Sondergestelle | Special die sets | Blocs spéciaux

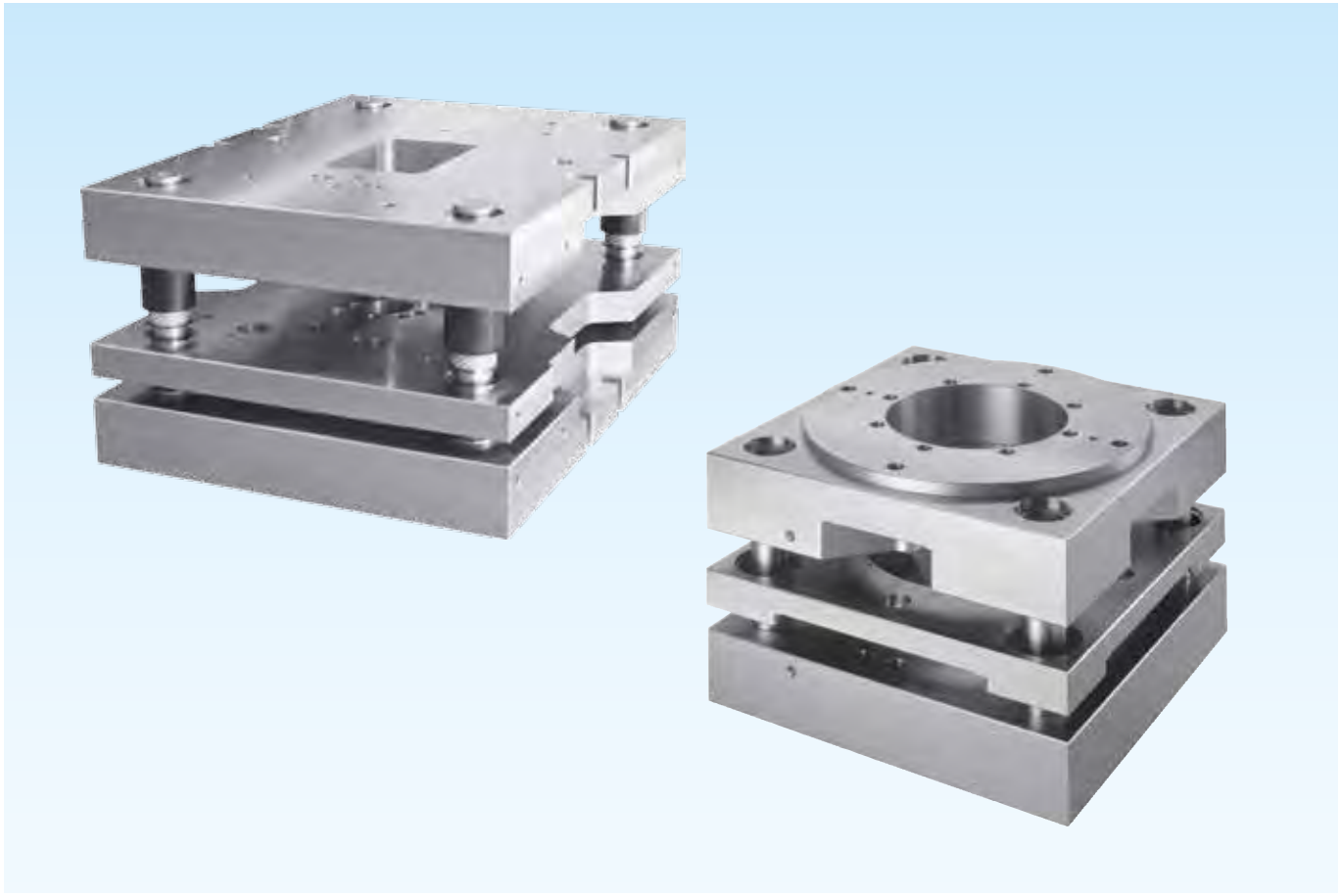


Allseitig bearbeitet, Konturen gefräst | Machined on all surfaces, contours milled | Entièrement usinés, contours fraisés



Sondersäulengestelle | Special die sets | Blocs à colonnes spéciaux

Feinschneidsäulengestelle | Fine blanking die sets | Blocs à colonnes pour découpage fin



Die Feinschneidtechnik wird überall dort eingesetzt, wo höchste Genauigkeit und ein Glattschnitt über die gesamte Materialdicke benötigt wird.

Die Entwicklung der Feinschneidtechnologie führte dazu, dass zum einen immer dickeres Vormaterial verarbeitet werden musste. Zum anderen werden Teile mit sehr komplizierten Geometrien in enger Toleranz einbaufertig und ohne Nacharbeit hergestellt.

Durch die geänderten Bedingungen hinsichtlich der zu produzierenden Artikel führte die Entwicklung vom Guss- zum Stahlgestell. Die Vorteile des Stahlgestelles liegen darin, dass es sich ohne Erstellung eines Modells individuell auf die Größe des Artikels anpassen lässt. Ein weiterer Vorteil liegt in der individuellen Möglichkeit der Sonderbearbeitung.

STRACK bietet Ihnen Feinschneidwerkzeuge für alle führenden Maschinenfabrikate (Feinschneidautomaten).
Die Werkzeuge werden auf Wunsch mit Zusatzbearbeitungen nach Ihren Angaben geliefert.

Ausführung wahlweise mit Gleit- oder Wälzführungen.

The fine blanking technology is used, where the demand of precision is very high and a smooth cut through the entire material thickness is needed.

Through the development of the fine blanking technology, it was possible to process more thicker material. Also parts with very complicate geometries and tighter tolerances could be produced for readily build-in parts without any additional finishing.

Through the change of the demands of the articles because of size, the development went from cast iron- to steel-die sets. The advantage of a steel die set in comparison to the cast iron version is the fact, that no casting-model is needed and the steel plates can be laid out according to the size of the article. In addition, the steel die set can be offered with customized pre machining.

STRACK offers fine blanking tools for all leading types of machine (fine blanking machines).
On demand these tools are delivered with an additional machining according to your indications.

Optionally with sliding or rolling guides.

Ces blocs à colonnes sont utilisés pour le découpage de pièces demandant unu grande précision et ayant besoin d'un bord exempt de bavures.

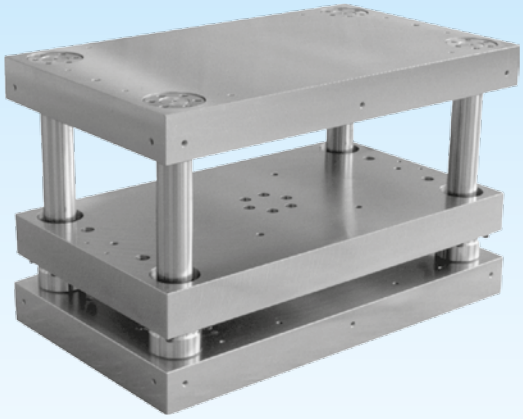
Les progrès de la technique du découpage de précision ont permis, d'une part, de travailler des tôles plus fortes et, d'autre part, de fabriquer des pièces complexes à tolérances étroites et prêtes à monter, sans nécessiter une passe de finition supplémentaire.

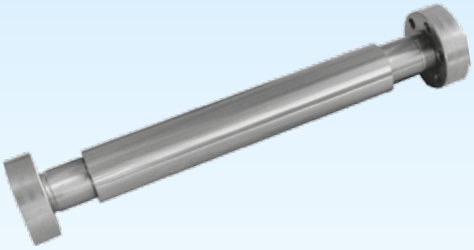
Pour le découpage de prècision, les blocs en acier présentent des avantages par rapport aux blocs en fonte classiques, notamment: économie des frais du modèle nécessaire pour le bloc en fonte, possibilité d'adaptation individuelle aux dimensions de la pièce à obtenir et possibilité d'usinages complémentaires en fonction de l'application prévue.

STRACK offre des blocs à colonnes pour decoupage fin pour montage sur tous les types de machine des marques courantes (machines automatiques pour decoupage fin).Sur demande les outils sont livrés avec des usinages complémentaires selon vos indications.

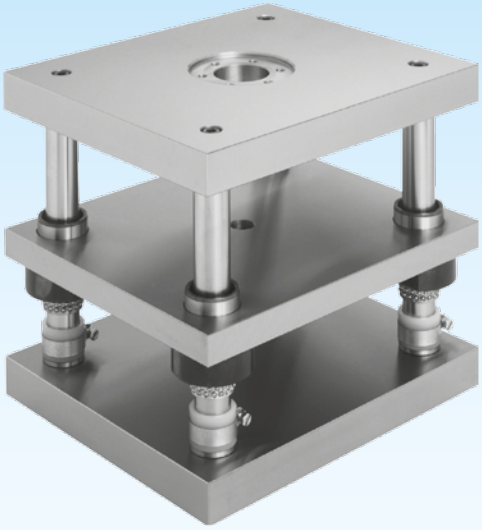
En option avec guidage lisse ou à billes.

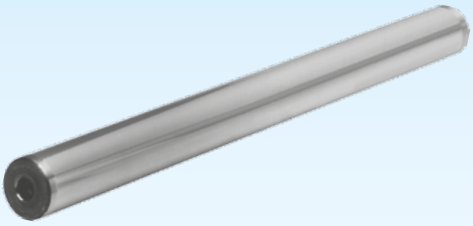
Module für Kleinpressen | Modular units for small presses | Modules pour minipresses





Schwere Ausführung | Heavy version | Exécution lourde





Leichte Ausführung | Leightweight version | Exécution légère

Die Module für Kleinpressen werden nach Ihren Angaben aus Stahl und Aluminium gefertigt.

Ausführung wahlweise mit Gleit- oder Wälzführungen.

According to your indications the modules for small presses are produced out of steel and aluminium.

Execution optionally with sliding or rolling guides.

Selon vos indications les modules pour des minipresses sont produits en acier et en aluminium.

Exécution en option avec guidage lisse ou à billes.

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Module für Kleinpressen
Schwere Ausführung

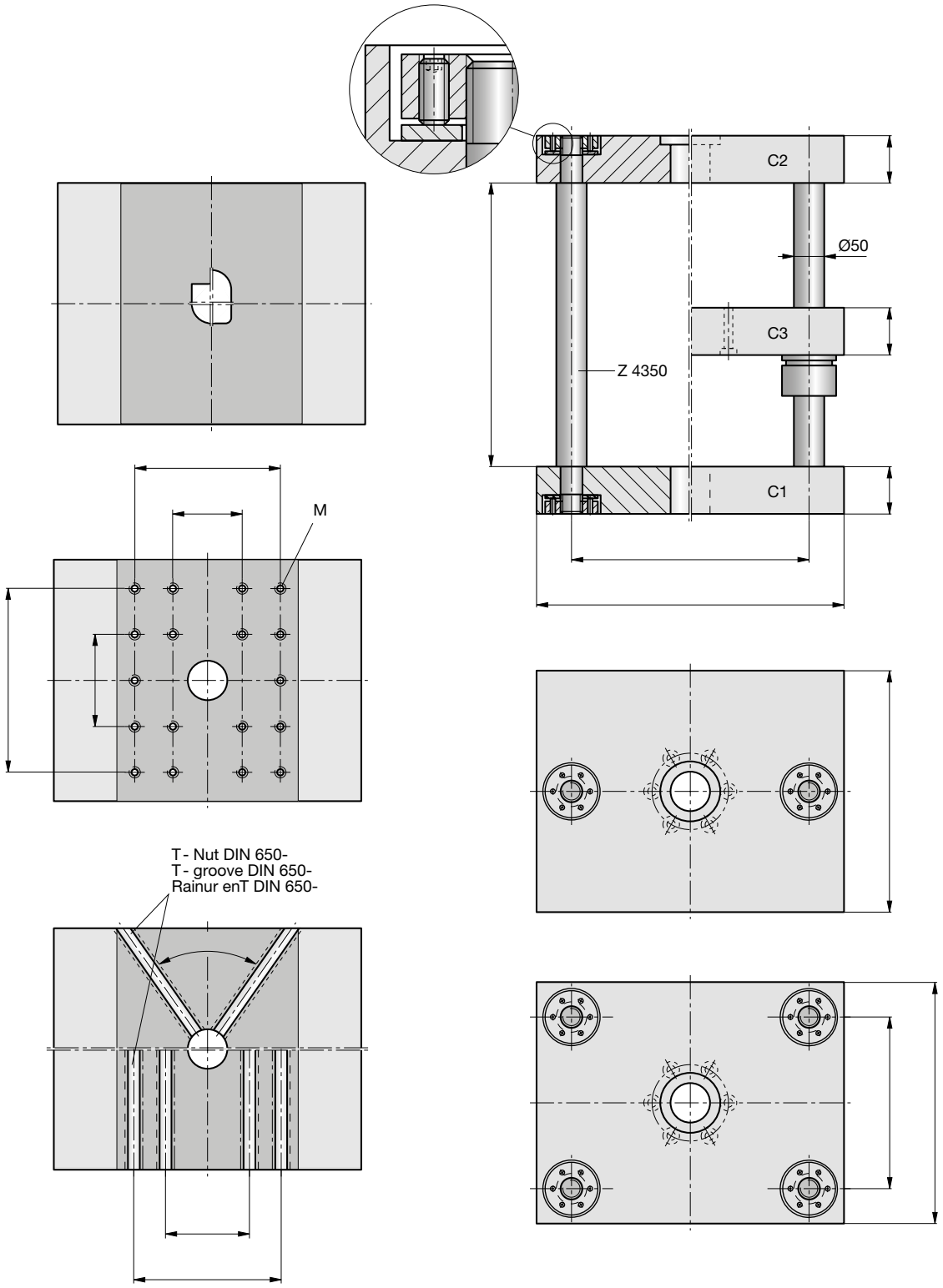
Für die Fertigung der Module werden unten aufgeführte Maße benötigt sowie Ihre Daten über Zusatzbearbeitung und Belastungsangaben.

Modular units for small presses
Heavy version

For the production of the modules the below-mentioned dimensions are required as well as your data concerning additional machining and load specifications.

Modules pour minipresses
Exécution lourde

Pour la production des modules les dimensions mentionéés ci-dessous ainsi que les dates concernant l'usinage complémentaire et les indications de charge sont nécessaires.



Module für Kleinpressen
Leichte Ausführung

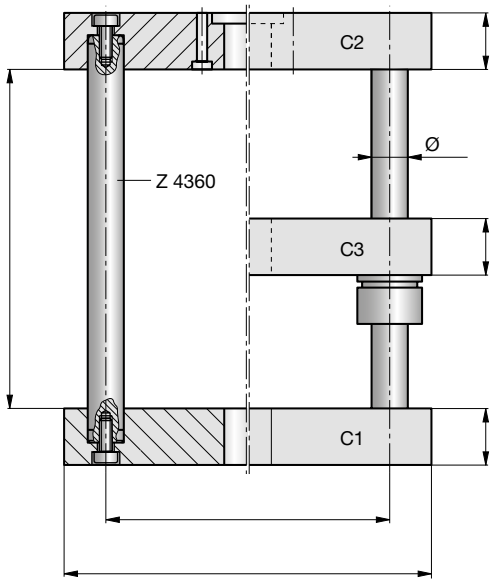
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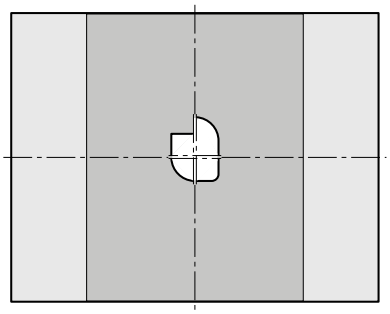
Modular units for small presses
Leightweight version

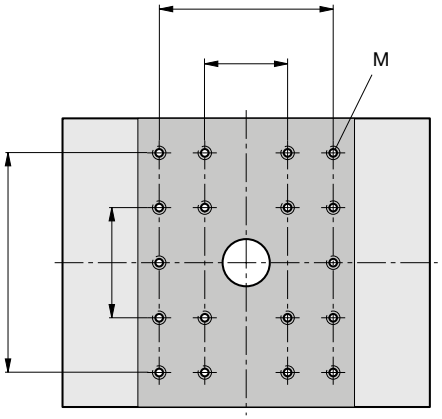
For the production of the modules the below-mentioned dimensions are required as well as your data concerning additional machining and load specifications.

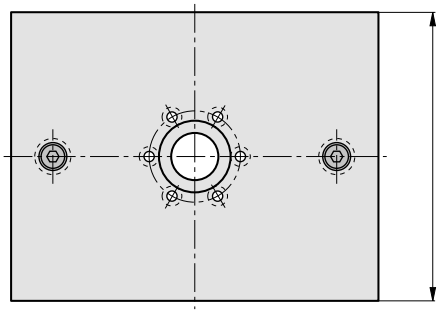
Modules pour minipresses
Exécution légère

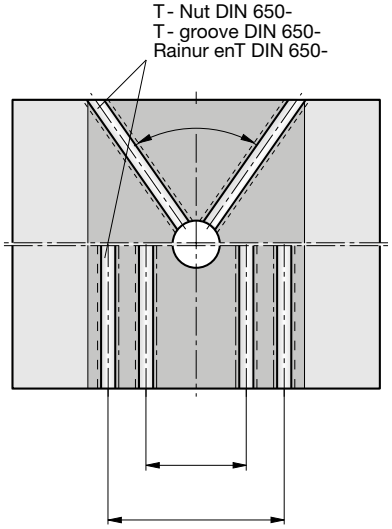
Pour la production des modules les dimensions mentionéés ci-dessous ainsi que les dates concernant l'usinage complémentaire et les indications de charge sont nécessaires.

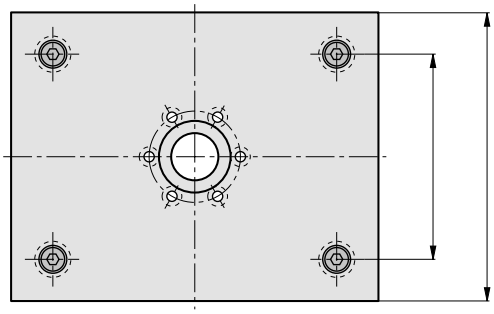




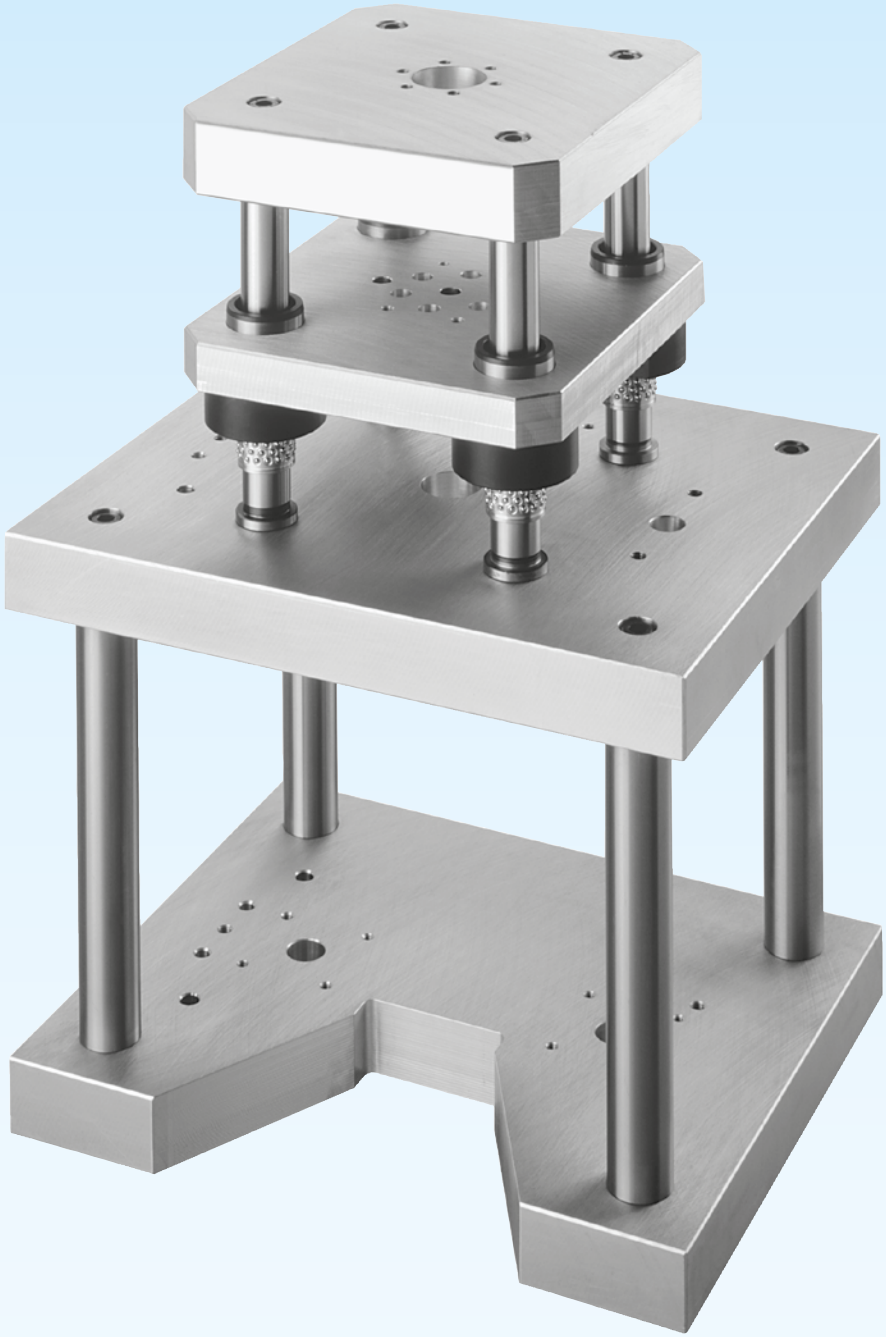








Module für Kleinpressen | Modular units for small presses | Modules pour minipresses



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Module für Kleinpressen
Beispiel mit Hydraulikantrieb

Modular units for small presses
Example with hydraulic drive

Modules pour minipresses
Exemple avec actionnement hydraulique



Beispiel für Antriebskonzept
Example for driving plan
Exemple pour le brouillon d'actionnement

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Sonderbearbeitung

STRACK NORMA verfügt über einen modernen Maschinenpark der den Anforderungen heutiger Werkzeugbauten gerecht wird.
Zusätzlich zu den hochpräzisen Bearbeitungszentren im 3- und 5-Achsen-Bereich verfügen wir über zahlreiche Umfangsschleifmaschinen, Tieflochbohrzentren und Bohrwerke, die alle im Werkzeugbau anfallenden Bearbeitungen präzise erledigen.
Als verlängerte Werkbank des modernen Werkzeugbaus fertigen wir nach Kundendaten Folgeverbundwerkzeuggestelle mit Einarbeitungen, komplexe Formaufbauten, Formplatten mit Einarbeitungen auch mit vorgefrästen Formkonturen, Sonderplatten, Module für Kleinpressen und Sonderschiebereinheiten.
Durch den Einsatz verschiedener CAD- und CAM-Systeme im Hause STRACK NORMA können alle gängigen Formate gelesen und weiterverarbeitet werden. Eine aktuelle Liste der zur Verfügung stehenden Schnittstellen und Übertragungsmöglichkeiten finden sie auf unserer Homepage.
Durch ein komplexes Netzwerk an zertifizierten Partnern, kann ein Gesamtpaket inklusive Koordinatenschleifen, Erodierarbeiten und Wärmebehandlung angeboten werden.

Unser Team von Spezialisten berät sie gerne.

Special machining

STRACK NORMA possesses a modern machinery, which meets the requirements of the today's tool constructors.
In addition to the high precision machining centers in the 3- and 5 axis ranges we dispose of numerous periphery grinding machines, deep-hole drilling centers and boring machines precisely carrying out all incurring processing in the tool construction.
As an extended workbench for the modern tool construction we produce progressive tool die sets with insertions, complex mould constructions, cavity plates with insertions also with pre-milled cavities, special plates, modular units for small presses and special slide units according to customer data.
By the use of different CAD and CAM systems at STRACK NORMA, all current formats can be read and processed. You will find an actual list of the available interfaces and transmitting possibilities on our homepage.
An entire package including coordinate grinding, eroding works and heat treatment can be offered because of a complex net of certified partners.

Our team of specialists is pleased to advise you.

Usinages complémentaires

STRACK NORMA possède une machinerie moderne qui répond aux exigences de la fabrication d'outils d'aujourd'hui.
En plus des centres d'usinage de haute précision dans le domaine 3- et 5 axes, nous disposons des nombreuses rectifieuses de périphérique, des centres de forage pour perçages profonds et des machines de forage exécutant tous les usinages nécessaires de haute précision.
En tant qu'«unité de production prolongée» de la fabrication d'outil moderne, nous produisons des blocs à colonnes pour des outils progressifs avec des empreintes, des constructions de moule complexes, des plaques porte-empreinte également avec des cavités pré-fraisés, des plaques spéciales et des modules pour minipresses et des unités de coulisseaux spéciales selon les données du client.
En utilisant des systèmes différents de CAO et FAO dans la maison de STRACK NORMA, tous les formats courants peuvent être lus et transformés. Vous trouvez une liste actuelle des interfaces et des possibilités de transmission sur notre page d'accueil.
Moyennant un réseau complexe des patenaires certifiés, un ensemble , y compris, des rectifications des coordinées, des travaux d'érosion et un traitement thermique, peut être offert.

Nos spécialistes vous conseillent volentiers.



Sonderbearbeitung | Special machining | Usinages complémentaires



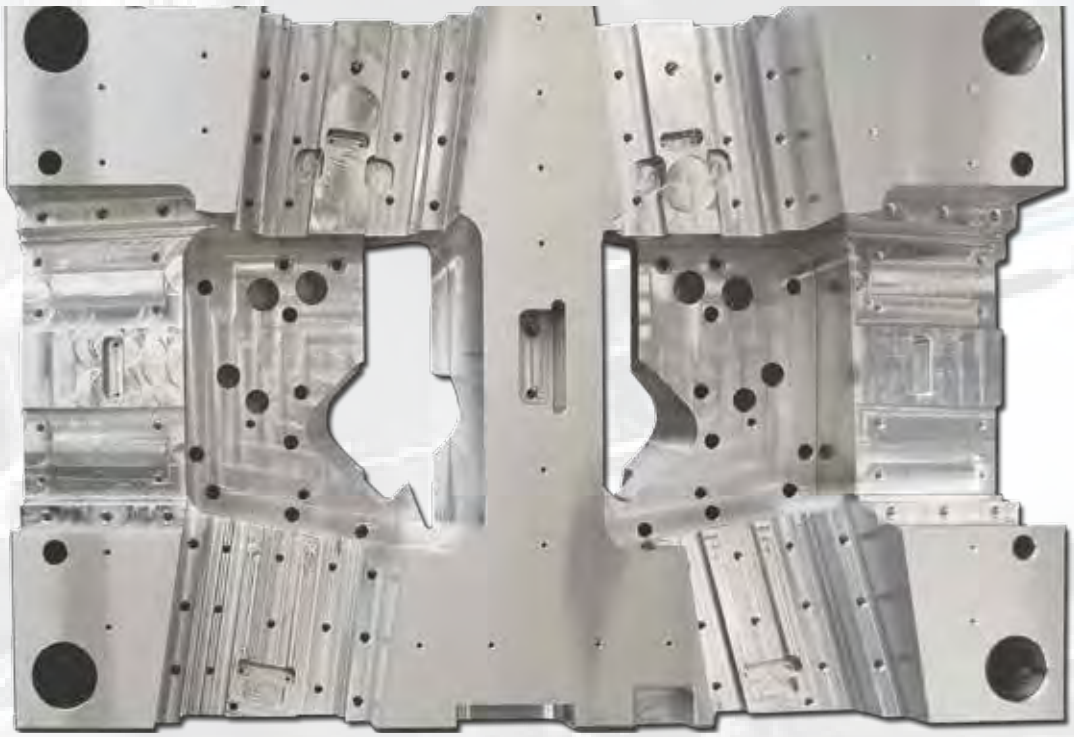




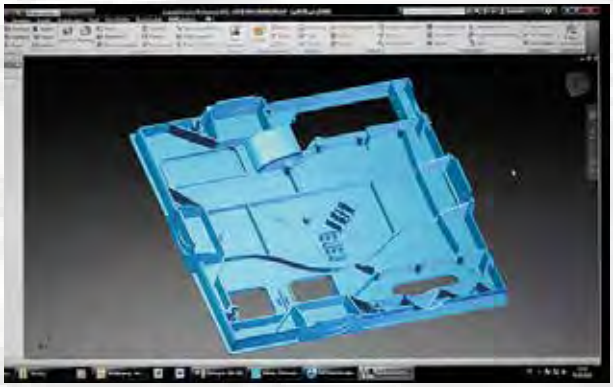
Sonderbearbeitung | Special machining | Usinages complémentaires



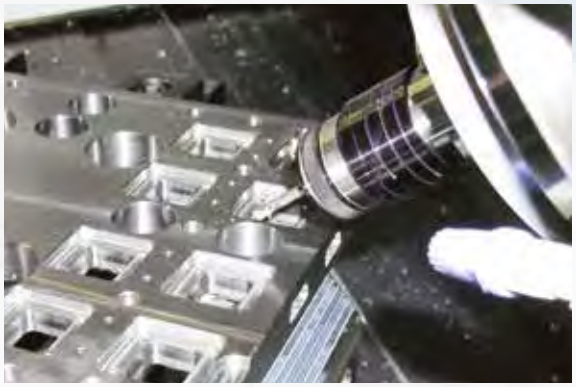








Sonderbearbeitung | Special machining | Usinages complémentaires









Sonderbearbeitung | Special machining | Usinages complémentaires

Ihre Ansprechpartner für Sonderbearbeitung:

Person responsible for special machining:

Personne responsable pour usinages complémentaires:

Formen und Druckguss
Moulds and diecasting
Moules et coulée sous pression

STRACK NORMA GmbH & Co. KG
Projektteam Sonderbearbeitung **F**
Königsberger Str. 11
D-58511 Lüdenscheid
Tel.: +49 23 51 / 87 01-335/-316
Fax: +49 23 51 / 87 01-222
E-Mail: team-f@strack.de

Stanz- und Umformtechnik
Stamping and shaping sector
Découpage et formage

STRACK NORMA GmbH & Co. KG
Projektteam Sonderbearbeitung **ST**
Königsberger Str. 11
D-58511 Lüdenscheid
Tel.: +49 23 51 / 87 01-289/-327
Fax: +49 23 51 / 87 01-222
E-Mail: team-st@strack.de

E-, P-PLATTEN UND RUNDMATERIAL

E-, P-PLATES AND ROUND MATERIAL

PLAQUES E, P ET MATERIAU ROND

Auf Wunsch fertigen wir Platten aus allen gängigen Stahlqualitäten oder Aluminium

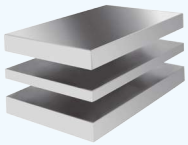
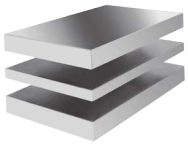
If desired we produce plates out of all popular steel qualities or aluminium

Sur demande nous produisons des plaques de toutes les qualités d'acier courantes ou d'aluminium



STRACK®

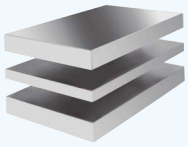
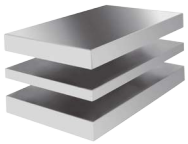
NORMALIEN

E-Platten **E-plates** **Plaques E**	**Standard**		125 x 156 8.6	156 x 156 156 x 196 156 x 246 156 x 296 8.6	196 x 196 8.6 196 x 246 196 x 296 196 x 346 196 x 396 8.7
	246 x 246 246 x 296 246 x 346 246 x 396 246 x 446 246 x 496 8.8	296 x 296 296 x 346 296 x 396 296 x 446 296 x 496 296 x 596 8.9	346 x 346 346 x 396 346 x 446 346 x 496 346 x 546 346 x 596 8.10 346 x 696 8.11	396 x 396 396 x 446 396 x 496 396 x 596 396 x 696 8.11 396 x 796 8.12	446 x 446 446 x 496 446 x 596 446 x 696 446 x 796 8.12
218 x 246 218 x 296 8.7					
496 x 496 496 x 596 496 x 696 496 x 796 8.13	596 x 596 596 x 696 8.13 596 x 796 8.14				
P-Platten **P-plates** **Plaques P**	**Standard**		125 x 156 8.15	156 x 156 156 x 196 8.15 156 x 246 156 x 296 8.16	196 x 196 8.16 196 x 246 196 x 296 196 x 346 8.17 196 x 396 8.18
	246 x 246 246 x 296 246 x 346 8.19 246 x 396 246 x 446 246 x 496 8.20	296 x 296 296 x 346 296 x 396 8.21 296 x 446 296 x 496 296 x 596 8.22	346 x 346 346 x 396 346 x 446 8.23 346 x 496 346 x 546 346 x 596 8.24 346 x 696 8.25	396 x 396 396 x 446 8.25 396 x 496 396 x 596 396 x 696 8.26 396 x 796 8.27	446 x 446 446 x 496 8.27 446 x 596 446 x 696 446 x 796 8.28
218 x 246 218 x 296 8.18					
496 x 496 496 x 596 496 x 696 8.29 496 x 796 8.30	596 x 596 596 x 696 8.30 596 x 796 8.31				

Combi–Säulengestelle
Combi–die sets
Combi–blocs à colonnes

156 x 156 | 156 x 196 | 156 x 246 | 156 x 311 | 196 x 196 | 196 x 246 | 196 x 311 | 196 x 396 | 196 x 496 | 196 x 626 | 246 x 246 | 246 x 311 | 246 x 396 | 246 x 496 | 246 x 626 | 246 x 706 | 311 x 311 | 311 x 396 | 311 x 496 | 311 x 626 | 311 x 706 | 311 x 796 | 396 x 396 | 396 x 496 | 396 x 626 | 396 x 706 | 396 x 796 | 496 x 496 | 496 x 626 | 496 x 706 | 496 x 796 | 626 x 626 | 626 x 706 | 626 x 796

8.31A – 8.31B

E-Platten **E-plates** **Plaques E**	OXA		156 x 156 156 x 196 156 x 246 156 x 296 8.32	196 x 196 196 x 246 8.32 196 x 296 196 x 346 196 x 396 8.33	218 x 246 218 x 296 8.33
246 x 246 8.33 246 x 296 246 x 346 246 x 396 246 x 446 246 x 496 8.34	296 x 296 8.34 296 x 346 296 x 396 296 x 446 296 x 496 296 x 546 296 x 596 8.35 296 x 696 8.36	346 x 346 346 x 396 346 x 446 346 x 496 346 x 546 8.36 346 x 596 346 x 696 346 x 796 8.37	396 x 396 396 x 446 396 x 496 8.37 396 x 546 396 x 596 396 x 696 396 x 796 396 x 896 8.38	446 x 446 8.38 446 x 496 446 x 546 446 x 596 446 x 696 446 x 796 446 x 896 8.39	496 x 496 496 x 546 496 x 596 496 x 696 496 x 796 496 x 896 8.40 496 x 996 8.41
546 x 546 546 x 596 546 x 696 546 x 796 546 x 896 8.41 546 x 996 8.42	596 x 596 596 x 696 596 x 796 596 x 896 596 x 996 8.42	696 x 696 696 x 796 696 x 896 696 x 996 8.43	796 x 796 796 x 896 8.43 796 x 996 8.44		
P-Platten **P-plates** **Plaques P**	OXA		156 x 156 156 x 196 156 x 246 8.45 156 x 296 8.46	196 x 196 196 x 246 8.46 196 x 296 196 x 346 196 x 396 8.47	218 x 246 218 x 296 8.48
246 x 246 8.48 246 x 296 246 x 346 246 x 396 8.49 246 x 446 246 x 496 8.50	296 x 296 8.50 296 x 346 296 x 396 296 x 446 8.51 296 x 496 296 x 546 296 x 596 8.52 296 x 696 8.53	346 x 346 346 x 396 8.53 346 x 446 346 x 496 346 x 546 8.54 346 x 596 346 x 696 346 x 796 8.55	396 x 396 396 x 446 396 x 496 8.56 396 x 546 396 x 596 396 x 696 8.57 396 x 796 396 x 896 8.58	446 x 446 8.58 446 x 496 446 x 546 446 x 596 8.59 446 x 696 446 x 796 446 x 896 8.60	496 x 496 496 x 546 496 x 596 8.61 496 x 696 496 x 796 496 x 896 8.62 496 x 996 8.63
546 x 546 546 x 596 8.63 546 x 696 546 x 796 546 x 896 8.64 546 x 996 8.65	596 x 596 596 x 696 8.65 596 x 796 596 x 896 596 x 996 8.66	696 x 696 696 x 796 696 x 896 8.67 696 x 996 8.68	796 x 796 796 x 896 8.68 796 x 996 8.69	**Übersicht Rundmaterial** **Overview Round material** **Aperçu Matériau rond**	ab / from / à partir de Ø **15 mm** **L** max. 2000 mm Gewicht / Weight/ Poids max. 2,5 t 8.70 – 8.71

Auf Wunsch lieferbare Werkstoffe

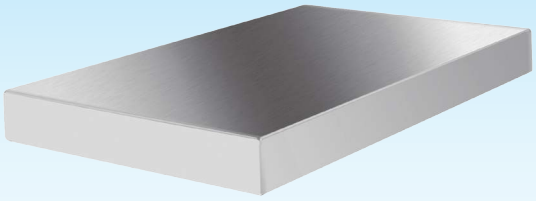
Alle gängige Stahlqualitäten

Materials available on demand

Aluminium

Matériaux livrable sur demande

Korrosionsbeständiger Stähle



All popular steel qualities

Corrosion-resisting steels

Toutes les qualités d'acier courantes

Aciers résistants à la corrosion

Auf Wunsch fertigen wir Platten aus allen **gängigen Stahlqualitäten** oder **Aluminium**.

Nach Ihren Angaben fertigen wir diese Platten mit den von Ihnen festgelegten Bohrungen für Führungselemente, Schraubbohrungen, Kühlbohrungen usw.

Gleit- und Wälzführung.

Außenkanten allseitig bearbeitet.

Auf Anfrage auch mit **Zusatzbearbeitungen** nach Ihren Angaben.

Auswahl korrosionsbeständiger Stähle für Spritzgießwerkzeuge, die wir auf Ihren Wunsch liefern siehe Informationsteil, Seiten Info 8 + 9.

Nicht aufgeführte Stahlqualitäten Ihrer Wahl fragen Sie bitte an.

If desired we produce plates out of all **popular steel qualities** or **aluminium**.

According to your specifications we produce these plates with the boreholes for guiding elements, screwed bore-holes, cooling holes and so on, which have been determined by you.

Sliding and rolling guides.

Outer edges machined all-round.

On request we also offer **additional machining** to your specifications.

Selection of corrosion-resisting steels for injection moulding dies, which we deliver if desired by you see information part, pages Info 14 + 15.

Please inquire desired steel qualities, which are not mentioned.

Sur demande nous produisons des plaques de toutes les **qualités d'acier courantes** ou **d'aluminium**.

Selon vos spécifications nous produisons ces plaques avec des forages pour des éléments de guidage, des forages filetés, des trous de refroidissement et cetera, déterminés par vous.

Guidage lisse ou à billes.

Plaques usinées sur tous les cotés.

Sur demande également avec **usinages complémentaires** selon vos spécifications.

Sélections des aciers résistants à la corrosion pour des moules d'injection, que nous livrons sur votre demande voir section d'information, page Info 20 + 21.

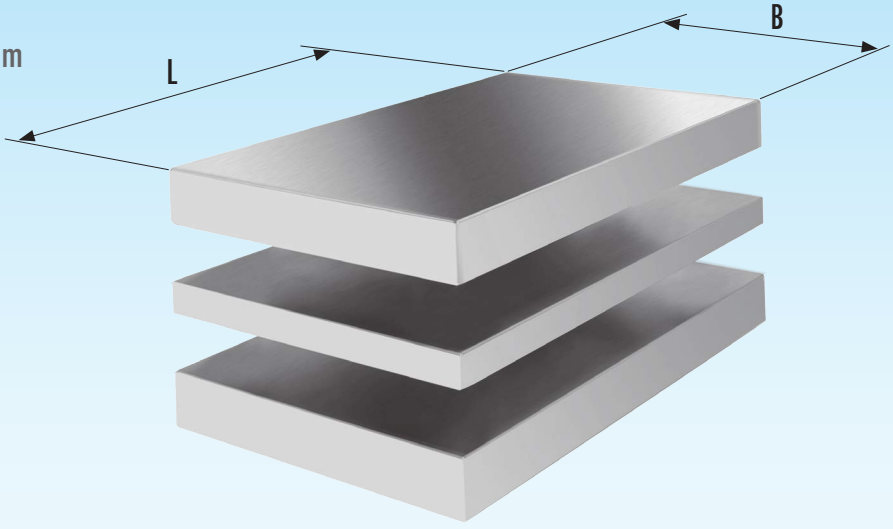
Veuillez demander des qualités d'acier de votre choix qui ne sont pas mentionnées.

Sonderabmessungen

Special dimension

Dimensions spéciales

L x B:
max. 3000 mm x 1400 mm



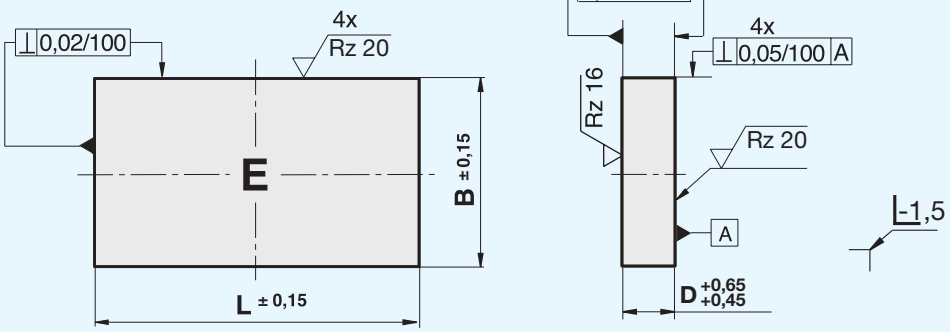
Im Einzelfall auch größer auf Anfrage.

Or larger in individual dimensions on request.

Autres dimensions, nous consulter, sur demande.

E-Platten / E-plates / Plaques E

Mat.	B / L	D
1.1730, 1.2085		+ 0,6
1.2311, 1.2312		+ 0,4
1.2083, 1.2343	≤ 296	+ 0,6
1.2162		+ 0,4
	> 296	+ 0,8
		+ 0,6



E-Platten – für individuelle Einsatzzwecke

Für den Form- und Stanzwerkzeugbau sowie den Vorrichtungsbau.

Unsere preiswerteste Ausführung.
Deshalb „**E**" wie **E**conomy.

Die Platte mit zwei unterschiedlichen Auflageflächen: feingefräst und geschliffen.

Außenkanten: feinstgefräst.

Winkligkeit der Außenkanten: 0,02 mm/100 mm.

Einsatz: Wenn nach Härteverzug oder Verzug durch schwere Zerspanung noch einmal geschliffen werden muß mit erhöhtem Plattenaufmaß.

E-Plates – for individual applications

For mould and punching-tool making as well as for the construction of jigs and fixtures.

Our most inexpensive type.
Therefore „**E**" as in **E**conomy.

The plate with two different bearing surfaces: precision-milled and ground.

Outer edges: precision-milled.

Angularity of the outer edges: 0.02 mm/100 mm.

Use: If grinding has to be carried out again after hardening distortion or distortion due to heavy machining with increased plate oversize.

Plaques E – pour applications diverses

Pour la construction des moules de découpage ainsi que pour la construction de gabarits.

Notre exécution la plus économique.
Ainsi « **E** « comme économie ».

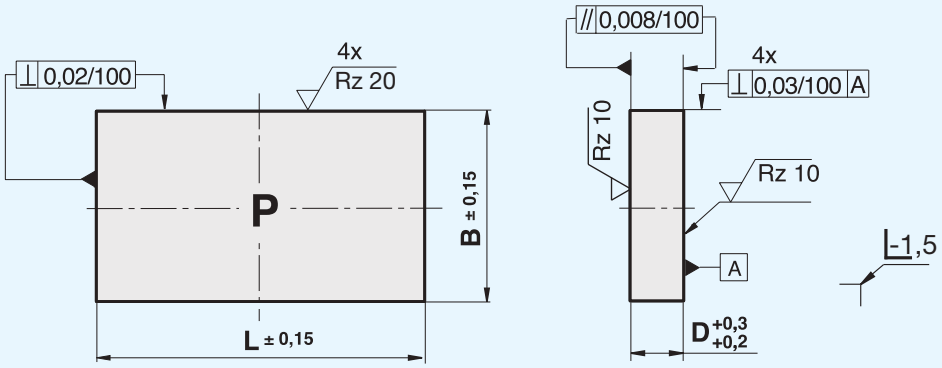
Une plaque avec deux faces d'appui différentes: une face en exécution rectifiée avec précision, une face en exécution fraisée.

Lisières: Très finement fraisées.

Angularité des lisières: 0,02 mm/100 mm.

Utilisation: Pour les cas qui nécessitent une reprise en rectification après la déformation due à la trempe ou après un usinage important avec un métré de plaque augmenté.

P-Platten / P-plates / Plaques P



P-Platten – Präzision inbegriffen

Für den Form- und Stanzwerkzeugbau sowie den Vorrichtungsbau.

Beide Auflageflächen peripheriegeschliffen.
In höchster **P**räzision. Deshalb „**P**"-Platten.

Außenkanten: feinstgefräst.

Winkligkeit der Außenkanten: 0,02 mm/100 mm.

Einsatz: Wenn kein oder nur geringer Verzug zu erwarten ist. Überall wo nochmaliges Schleifen entbehrlich ist.

P-Plates – Precision included

For mould and punching-tool making as well as for the construction of jigs and fixtures.

Both bearing surfaces peripherally ground.
With highest precision. Therefore „**P**"-plates.

Outer edges: precision-milled.

Angularity of the outer edges: 0.02 mm/100 mm.

Use: If no distortion or only slight distortion is to be expected. Wherever subsequent grinding is unnecessary.

Plaques P – Série Précision

Pour la construction des moules de découpage ainsi que pour la construction de gabarits.

Faces d'appui: Les deux faces rectifiées de manière périphérique. À très haute précision.

Lisières: Très finement fraisées.

Angularité des lisières: 0,02 mm/100 mm.

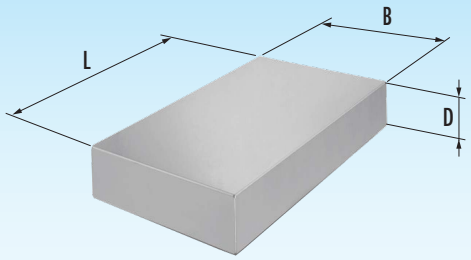
Utilisation: Pour les cas où aucune déformation où seulement une déformation petite doit être expectée. Partout où une reprise en rectification est inutile.

E-Platten | E-plates | Plaques E

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
125 x 156	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 156	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 196	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 246	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

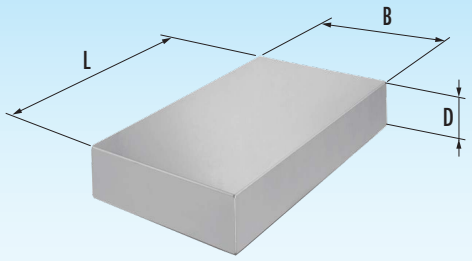
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 196	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

E-Platten | E-plates | Plaques E

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 246	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 296	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 346	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 396	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 246	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 296	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

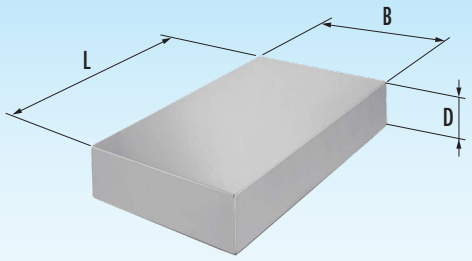
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E-Platten | E-plates | Plaques E

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 246	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 296	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 346	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 396	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 446	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

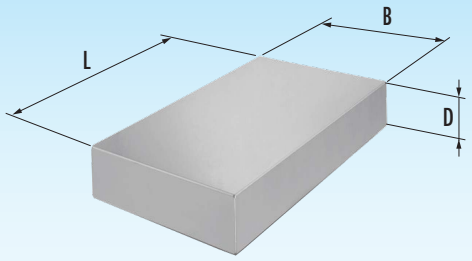
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 496	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 296	22	■					■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 346	22	■					■			
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 396	22	■					■			
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 446	27	■			■	■	■			
	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	87	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 496	27	■			■	■	■			
	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	87	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

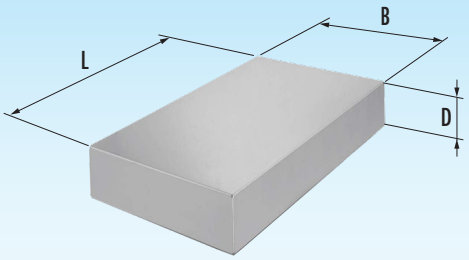
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 596	27	■			■	■	■			
	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	87	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 346	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 396	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 446	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 496	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 546	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

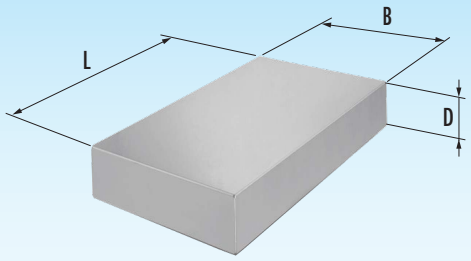
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 596	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 696	37									
	47									
	57									
	67									
	77				auf Anfrage					
	97				on request					
	117				sur demande					
	137									
	157									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 396	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 446	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 496	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 596	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■	■	■	■		■	

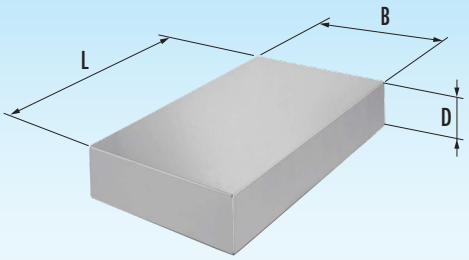
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 446	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 496	37	■		■		■	■		■	
	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 596	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

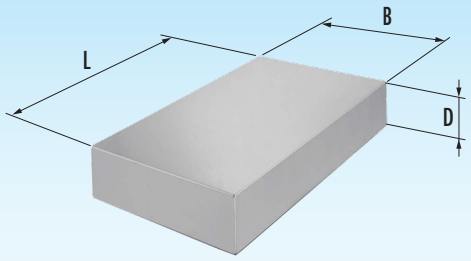
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 496	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■				■	■			
	177	■				■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 596	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 596	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■				■	■			
	177	■				■	■			

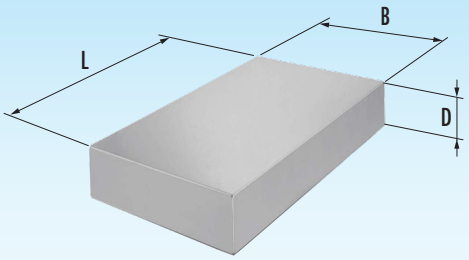
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

E-Platten | E-plates | Plaques E

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Standard

E-

E-B x L-D-Mat.

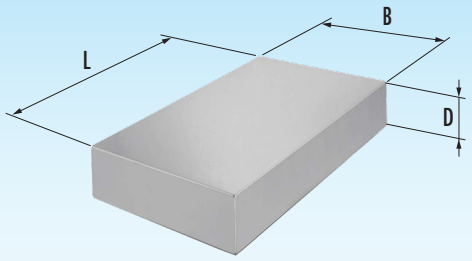
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
125 x 156	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
156 x 156	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
75 x 156	8	■		
	12	■		
	17	■		■
24 x 156	37	■		
	47	■		
	57	■		
	67	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 156	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
208 x 156	22	■		■
	27	■		■
156 x 246	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
80 x 156	12	■		
	16	■		
37 x 156	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 196	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
208 x 196	22	■		■
	27	■		■
156 x 296	22	■		■
	27	■		■

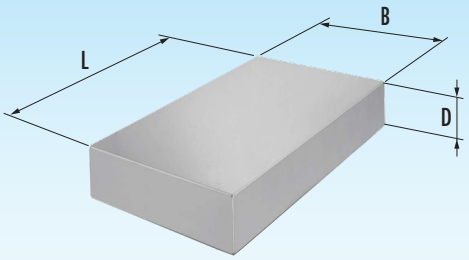
B x L	D	Mat. 1730	2085	2312
80 x 196	12	■		
	16	■		
	27	■		
37 x 196	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 246	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
208 x 246	22	■		■
	27	■		■
156 x 296	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
80 x 246	12	■		
	16	■		
	27	■		■
37 x 246	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
208 x 296	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
80 x 296	12	■		
	16	■		
	27	■		■
37 x 296	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 196	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 196	22	■		■
	27	■		■
196 x 296	22	■		■
	27	■		■

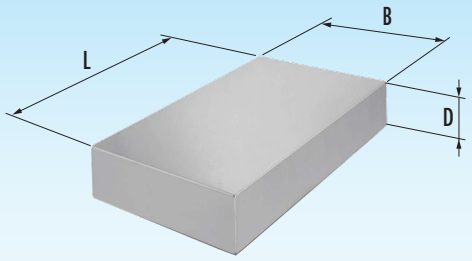
B x L	D	Mat. 1730	2085	2312
120 x 196	12	■		
	16	■		
	27	■		
37 x 196	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 246	17	■			■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 246	22	■		■
	27	■		■
196 x 296	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
120 x 246	12	■		
	16	■		
	27	■		■
37 x 246	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 296	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 296	22	■		■
	27	■		■
196 x 396	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
120 x 296	12	■		
	16	■		
	27	■		■
37 x 296	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 346	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 346	27	■		■
	37	■		■

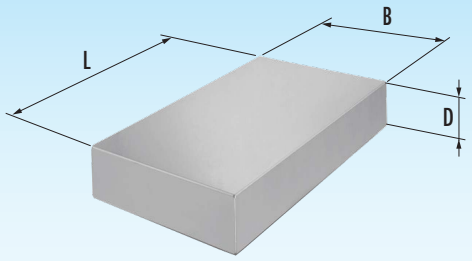
B x L	D	Mat. 1730	2085	2312
120 x 346	12	■		
	16	■		■
	27	■		■
37 x 346	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 396	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 396	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
120 x 396	12	■		
	16	■		
	27	■		■
37 x 396	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 246	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
260 x 246	22	■		■
	27	■		■
218 x 296	22	■		■
	27	■		■

B x L	D	Mat. 1730	2085	2312
142 x 246	12	■		
	16	■		
	27	■		■
37 x 246	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 296	17	■			■	■	■			■
	22	■			■	■	■			■
	27	■		■	■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
260 x 296	22	■		■
	27	■		■
218 x 396	22	■		■
	27	■		■

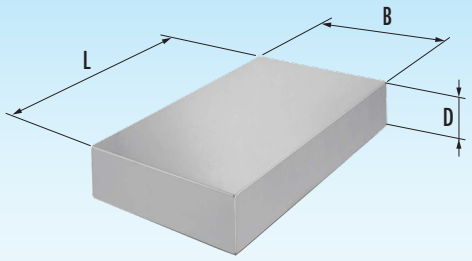
B x L	D	Mat. 1730	2085	2312
142 x 296	12	■		
	16	■		
	27	■		■
37 x 296	47	■		
	57	■		
	67	■		
	77	■		
	87	■		
	97	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 246	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 246	27	■		■
	37	■		■
246 x 296	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
147 x 246	12	■		
	18	■		
	27	■		■
47 x 246	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 296	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 296	27	■		■
	37	■		■
246 x 396	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
147 x 296	12	■		
	18	■		
	27	■		■
47 x 296	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 346	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 346	27	■		■
	37	■		■
246 x 446	27	■		■
	37	■		■

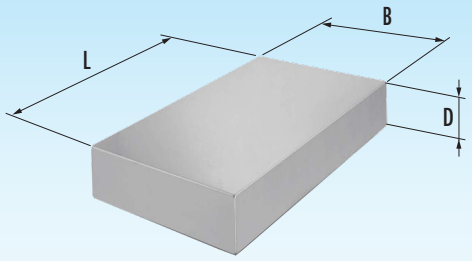
B x L	D	Mat. 1730	2085	2312
147 x 346	12	■		
	18	■		
	27	■		■
47 x 346	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 396	22	■			■	■	■			■
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 396	27	■		■
	37	■		■
246 x 446	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
147 x 396	12	■		
	18	■		
	27	■		■
47 x 396	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 446	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 446	27	■		■
	37	■		■
	47	■		■

B x L	D	Mat. 1730	2085	2312
147 x 446	12	■		
	18	■		
	27	■		■
47 x 446	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 496	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 496	27	■		■
	37	■		■
	47	■		■

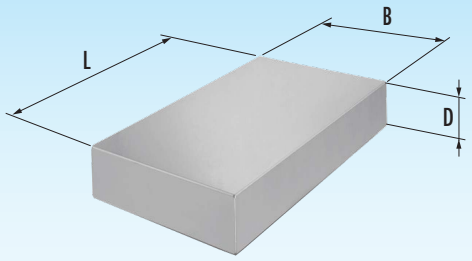
B x L	D	Mat. 1730	2085	2312
147 x 496	12	■		
	18	■		
	27	■		■
47 x 496	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 296	22	■					■			
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 296	27	■		■
	37	■		■
296 x 396	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
197 x 296	12	■		
	18	■		
	27	■		■
47 x 296	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 346	22	■					■			
	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 346	27	■		■
	37	■		■
296 x 446	27	■		■
	37	■		■

B x L	D	Mat. 1730	2085	2312
197 x 346	12	■		
	18	■		
	27	■		■
47 x 346	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 396	22	■					■			
	27	■			■	■	■		■	■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 396	27	■		■
	37	■		■
296 x 446	27	■		■
	37	■		■

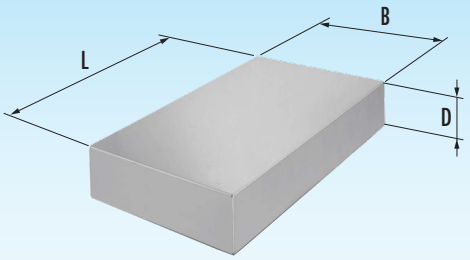
B x L	D	Mat. 1730	2085	2312
197 x 396	12	■		
	18	■		
	27	■		■
47 x 396	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 446	27	■			■	■	■			■
	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	87	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 446	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
197 x 446	12	■		
	18	■		
	27	■		■
47 x 446	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 496	27	■			■	■	■			
	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	87	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
346 x 496	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
197 x 496	12	■		
	18	■		
	27	■		■
47 x 496	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 596	27	■			■	■	■			
	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	87	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
346 x 596	37	■		■
	47	■		■
	57	■		■

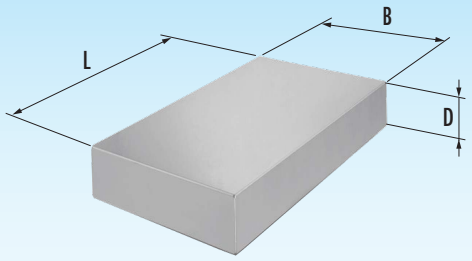
B x L	D	Mat. 1730	2085	2312
197 x 596	12	■		
	18	■		
	27	■		■
47 x 596	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 346	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 346	37	■		■
	47	■		■
	57	■		■
346 x 446	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
247 x 346	12	■		
	18	■		
	27	■		■
47 x 346	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 396	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 396	37	■		■
	47	■		■
	57	■		■
346 x 446	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
247 x 396	12	■		
	18	■		
	27	■		■
47 x 396	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 446	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 446	37	■		■
	47	■		■
	57	■		■

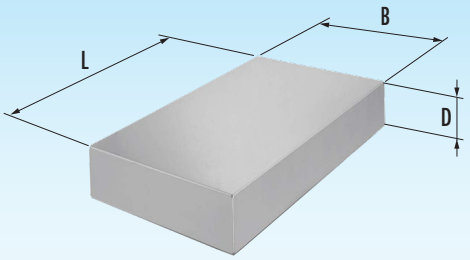
B x L	D	Mat. 1730	2085	2312
247 x 446	12	■		
	18	■		
	27	■		■
47 x 446	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 496	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 496	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
247 x 496	12	■		
	18	■		
	27	■		■
47 x 496	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 546	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 546	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
247 x 546	12	■		
	18	■		
	27	■		■
47 x 546	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 596	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 596	37	■		■
	47	■		■
	57	■		■

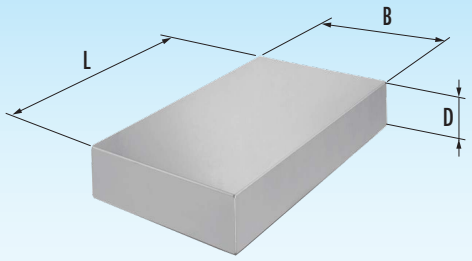
B x L	D	Mat. 1730	2085	2312
247 x 596	12	■		
	18	■		
	27	■		■
47 x 596	57	■		
	67	■		
	77	■		
	87	■		
	97	■		
	117	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 696	37									
	47									
	57									
	67									
	77				auf Anfrage					
	97				on request					
	117				sur demande					

B x L	D	Mat. 1730	2085	2312
396 x 696	37			
	47			
	57			

B x L	D	Mat. 1730	2085	2312
247 x 696	12			
	18			
	27			
47 x 696	57			
	67			
	77			
	87			
	97			
	117			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 396	37	■		■	■	■	■		■	■
	47	■		■	■	■	■		■	■
	57	■		■	■	■	■		■	■
	67	■		■	■	■	■		■	■
	77	■		■	■	■	■		■	■
	97	■		■	■	■	■		■	■
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
446 x 396	37	■		■
	47	■		■
	57	■		■
396 x 446	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
268 x 396	17	■		
	22	■		■
	27	■		■
62 x 396	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 446	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■			■	■	■			
	137	■			■	■	■			
	157	■				■	■			

B x L	D	Mat. 1730	2085	2312
446 x 446	37	■		■
	47	■		■
	57	■		■

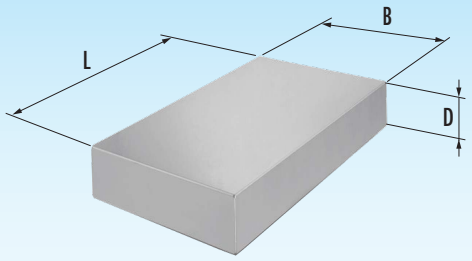
B x L	D	Mat. 1730	2085	2312
268 x 446	17	■		
	22	■		■
	27	■		■
62 x 446	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

P-Platten | P-plates | Plaques P

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Standard

P-

P-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 496	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
446 x 496	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
268 x 496	17	■		
	22	■		■
	27	■		■
62 x 496	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 596	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
496 x 596	37	■		■
	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
268 x 596	17	■		
	22	■		■
	27	■		■
62 x 596	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2085	2312
496 x 696	37			
	47			
	57			

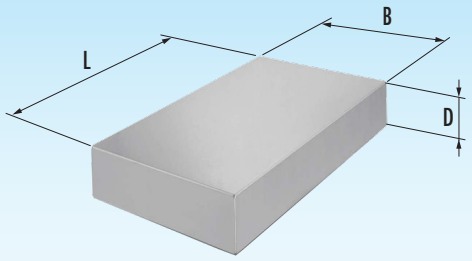
B x L	D	Mat. 1730	2085	2312
268 x 696	17			
	22			
	27			
62 x 696	57			
	77			
	97			
	117			
	137			

P-Platten | P-plates | Plaques P

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Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2085	2312
496 x 796	37			
	47			
	57			

B x L	D	Mat. 1730	2085	2312
268 x 796	17			
	22			
	27			
62 x 796	57			
	77			
	97			
	117			
	137			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 446	37	■		■	■	■	■		■	
	47	■		■	■	■	■		■	
	57	■		■	■	■	■		■	
	67	■		■	■	■	■		■	
	77	■		■	■	■	■		■	
	97	■		■	■	■	■		■	
	117	■		■	■	■	■		■	
	137	■		■	■	■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
496 x 446	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
317 x 446	17	■		
	22	■		■
	27	■		■
62 x 446	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 496	37	■		■		■	■		■	
	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
496 x 496	47	■		■
	57	■		■

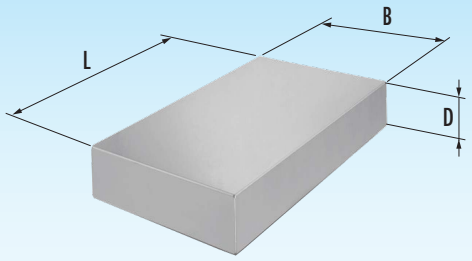
B x L	D	Mat. 1730	2085	2312
317 x 496	17	■		
	22	■		■
	27	■		■
62 x 496	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

P-Platten | P-plates | Plaques P

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 596	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2085	2312
496 x 596	47			
	57			

B x L	D	Mat. 1730	2085	2312
317 x 596	17			
	22			
	27			
62 x 596	57			
	77			
	97			
	117			
	137			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2085	2312
496 x 696	47			
	57			

B x L	D	Mat. 1730	2085	2312
317 x 696	17			
	22			
	27			
62 x 696	57			
	77			
	97			
	117			
	137			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									

B x L	D	Mat. 1730	2085	2312
496 x 796	47			
	57			

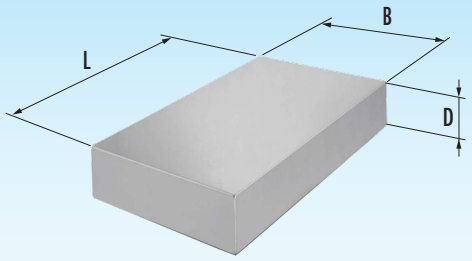
B x L	D	Mat. 1730	2085	2312
317 x 796	17			
	22			
	27			
62 x 796	57			
	77			
	97			
	117			
	137			

P-Platten | P-plates | Plaques P

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Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 496	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■				■	■			
	177	■				■	■			

B x L	D	Mat. 1730	2085	2312
546 x 496	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
367 x 496	17	■		
	22	■		■
	27	■		■
62 x 496	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 596	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2085	2312
546 x 596	47			
	57			

B x L	D	Mat. 1730	2085	2312
367 x 596	17			
	22			
	27			
62 x 596	57			
	77			
	97			
	117			
	137			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2085	2312
546 x 696	47			
	57			

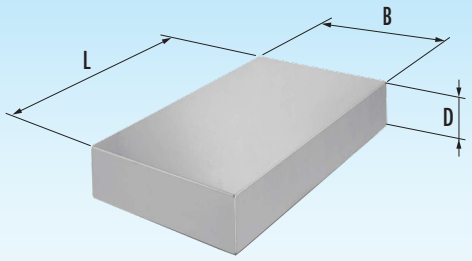
B x L	D	Mat. 1730	2085	2312
367 x 696	17			
	22			
	27			
62 x 696	57			
	77			
	97			
	117			
	137			

P-Platten | P-plates | Plaques P

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2085	2312
546 x 796	47			
	57			

B x L	D	Mat. 1730	2085	2312
367 x 796	17			
	22			
	27			
62 x 796	57			
	77			
	97			
	117			
	137			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 596	47	■		■		■	■		■	
	57	■		■		■	■		■	
	67	■		■		■	■		■	
	77	■		■		■	■		■	
	97	■		■		■	■		■	
	117	■		■		■	■		■	
	137	■		■		■	■		■	
	157	■				■	■			
	177	■				■	■			

B x L	D	Mat. 1730	2085	2312
646 x 596	47	■		■
	57	■		■

B x L	D	Mat. 1730	2085	2312
455 x 596	17	■		
	22	■		■
	27	■		■
68 x 596	57	■		
	77	■		
	97	■		
	117	■		
	137	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 696	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2085	2312
646 x 696	47			
	57			

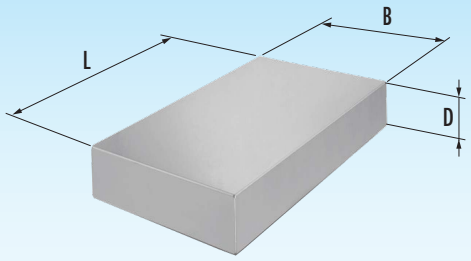
B x L	D	Mat. 1730	2085	2312
455 x 696	17			
	22			
	27			
68 x 696	57			
	77			
	97			
	117			
	137			

P-Platten | P-plates | Plaques P

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



Standard

P-

P-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 796	47									
	57									
	67									
	77									
	97				auf Anfrage					
	117				on request					
	137				sur demande					
	157									
	177									

B x L	D	Mat. 1730	2085	2312
646 x 796	47			
	57			

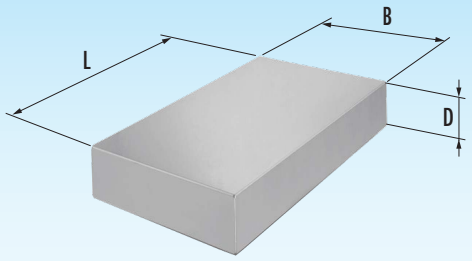
B x L	D	Mat. 1730	2085	2312
455 x 796	17			
	22			
	27			
68 x 796	57			
	77			
	97			
	117			
	137			

P-Platten | P-plates | Plaques P

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Combi-Säulengestelle
Combi-die sets
Combi-blocs à colonnes

P-

P-B x L-D-Mat.

B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
156 x 156	27	■	
	37	■	
156 x 196	27	■	
	37	■	auf Anfrage / on request / sur demande
156 x 246	27	■	
	37	■	
156 x 311	27	■	
	37	■	

B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
196 x 196	27	■	
	37	■	
196 x 246	27	■	
	37	■	auf Anfrage / on request / sur demande
196 x 311	27	■	
	37	■	
196 x 396	27	■	
	37	■	
196 x 496	27	■	
	37	■	
	47	■	
196 x 626	27	■	
	37	■	
	47	■	

B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
246 x 246	27	■	
	37	■	
	47	■	
246 x 311	27	■	
	37	■	auf Anfrage / on request / sur demande
	47	■	
246 x 396	27	■	
	37	■	
	47	■	
246 x 496	27	■	
	37	■	
	47	■	
246 x 626	27	■	
	47	■	
	57	■	
246 x 706	27	■	
	47	■	
	57	■	

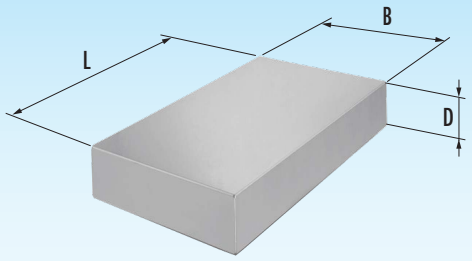
B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
311 x 311	27	■	
	37	■	
	47	■	
311 x 396	27	■	
	37	■	auf Anfrage / on request / sur demande
	47	■	
311 x 496	27	■	
	47	■	
	57	■	
311 x 626	27	■	
	47	■	
	57	■	
311 x 706	27	■	
	47	■	
	57	■	
311 x 796	27	■	
	47	■	
	57	■	

P-Platten | P-plates | Plaques P

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

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Combi-Säulengestelle
Combi-die sets
Combi-blocs à colonnes

P-

P-B x L-D-Mat.

B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
396 x 396	37	■	
	47	■	
	57	■	
396 x 496	37	■	auf Anfrage
	47	■	on request
	57	■	sur demande
396 x 626	37	■	
	57	■	
	67	■	
396 x 706	37	■	
	57	■	
	67	■	
396 x 796	37	■	
	57	■	
	67	■	

B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
496 x 496	37	■	
	57	■	
	67	■	
496 x 626	37	■	auf Anfrage
	57	■	on request
	67	■	sur demande
496 x 706	37	■	
	57	■	
	67	■	
496 x 796	37	■	
	57	■	
	67	■	

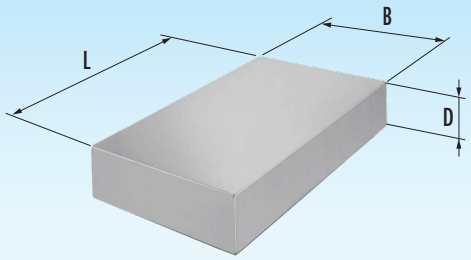
B x L	D	Mat. 1.1730	Mat. 3.4365 (Al)
626 x 626	37	■	
	57	■	
	67	■	
626 x 706	37	■	auf Anfrage
	57	■	on request
	67	■	sur demande
626 x 796	37	■	
	57	■	
	67	■	

E-Platten | E-plates | Plaques E

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

We also deliver **steel qualities** and **dimension** not mentioned. Please make an inquiry.

Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 156	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 196	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 296	22	■		■	■	■	■			
	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 196	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

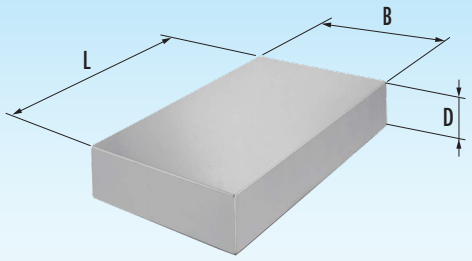
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 346	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 396	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 246	17	■		■	■	■	■			
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■			■
	66	■		■	■	■	■			■
	76	■		■	■	■	■			■
	86	■		■	■	■	■			■
	96	■		■	■	■	■			■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■			■
	66	■		■	■	■	■			■
	76	■		■	■	■	■			■
	86	■		■	■	■	■			■
	96	■		■	■	■	■			■

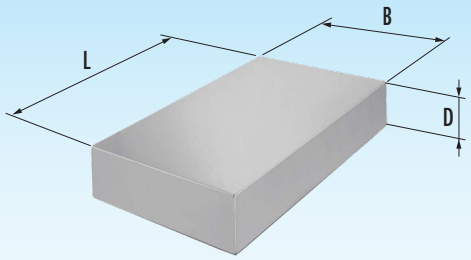
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■		■	■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

E-Platten | E-plates | Plaques E

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Veuillez demander des **qualités d'acier** et des **dimensions** de votre choix qui ne sont pas mentionnées.



OXA

E-

E-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 346	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 396	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 446	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 496	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

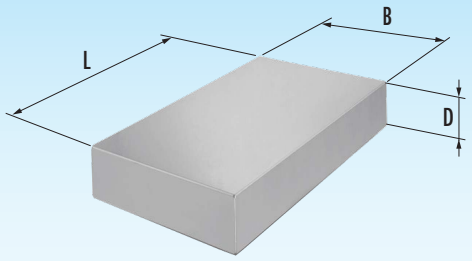
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 296	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

E-Platten | E-plates | Plaques E

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OXA

E-

E-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 346	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 396	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 446	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 496	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 546	27									
	36									
	46									
	56									
	66									
	76									
	86									
	96									
	116									

auf Anfrage
on request
sur demande

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 596	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

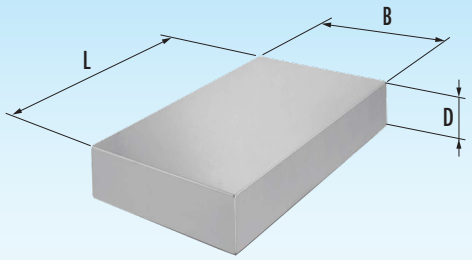
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E-Platten | E-plates | Plaques E

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OXA

E-

E-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 696	27									
	36									
	46									
	56									
	66				auf Anfrage					
	76				on request					
	86				sur demande					
	96									
	116									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 346	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■		■	■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■	■	■	■		■	■
	76	■		■	■	■	■		■	■
	86	■		■	■	■	■		■	■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 396	22	■		■	■					
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■			■			
	76	■		■	■	■	■		■	■
	86	■		■			■			
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 446	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 496	22	■		■	■					
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■		■	■
	56	■		■	■	■	■		■	■
	66	■		■			■			
	76	■		■	■	■	■		■	■
	86	■		■			■			
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

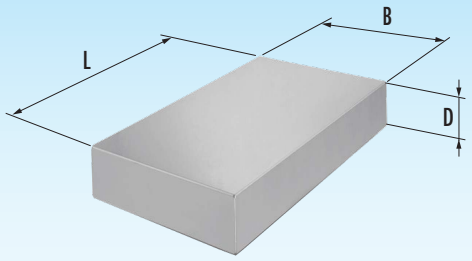
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 546	27	■		■	■		■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■		■	■	■	■		■	

E-Platten | E-plates | Plaques E

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OXA

E-

E-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 596	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■		■	■	■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 696	27									
	36									
	46									
	56									
	66				auf Anfrage					
	76				on request					
	86				sur demande					
	96									
	116									
	136									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 796	36									
	46									
	56									
	76									
	96				auf Anfrage					
	116				on request					
	136				sur demande					
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 396	22				■					
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■		■	■
	66	■		■			■			
	76	■		■	■	■	■		■	■
	86	■		■			■			
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 446	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	

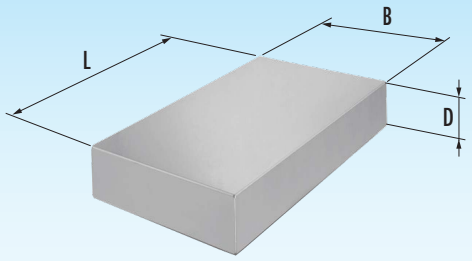
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 496	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■		■	■	■	■		■	

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 546	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■		■	■
	66	■		■			■			■
	76	■		■	■	■	■		■	■
	86	■		■			■			■
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■
	136	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 596	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 696	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 796	36									
	46									
	56									
	76									
	96				auf Anfrage					
	116				on request					
	136				sur demande					
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 896	36									
	46									
	56									
	76									
	96				auf Anfrage					
	116				on request					
	136				sur demande					
	156									

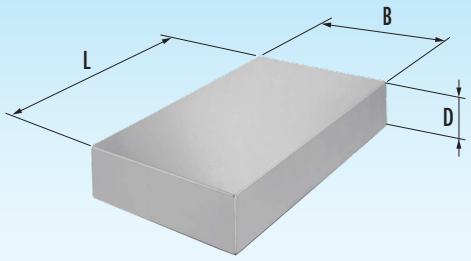
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 446	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 496	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 546	27									
	36									
	46									
	56									
	66				auf Anfrage					
	76				on request					
	86				sur demande					
	96									
	116									
	136									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 596	27									
	36									
	46									
	56									
	66				auf Anfrage					
	76				on request					
	86				sur demande					
	96									
	116									
	136									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 696	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 796	36									
	46									
	56									
	76									
	96				auf Anfrage					
	116				on request					
	136				sur demande					
	156									

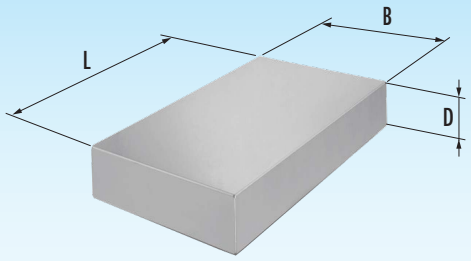
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 896	36									
	46									
	56									
	76									
	96				auf Anfrage					
	116				on request					
	136				sur demande					
	156									

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 496	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 546	27									
	36									
	46									
	56									
	66				auf Anfrage					
	76				on request					
	86				sur demande					
	96									
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 596	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 696	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 796	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

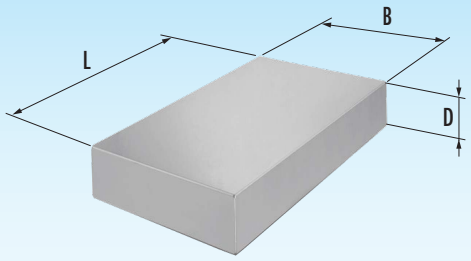
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 896	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 996	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 546	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 596	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 696	36									
	46									
	56									
	66									
	76				auf Anfrage					
	86				on request					
	96				sur demande					
	116									
	136									
	156									

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 796	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

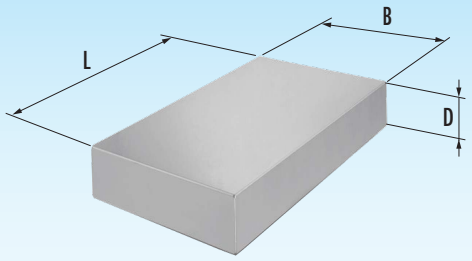
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 896	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 996	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 596	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■	■		
	86	■		■			■			
	96	■		■		■	■	■		
	116	■		■		■	■	■		
	136	■		■		■	■	■		
	156	■		■		■	■	■		

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 696	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 796	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 896	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

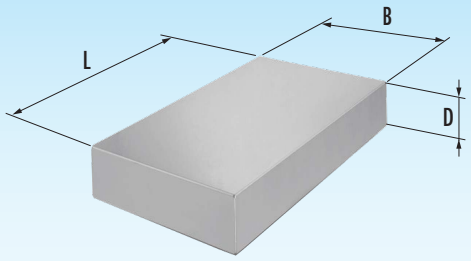
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 996	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

E-Platten | E-plates | Plaques E

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OXA

E-

E-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 696	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 796	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 896	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 996	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 796	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

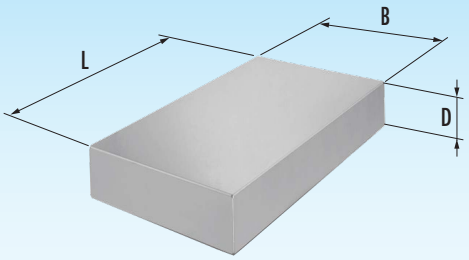
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 896	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

E-Platten | E-plates | Plaques E

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E-

E-BxL-D-Mat.

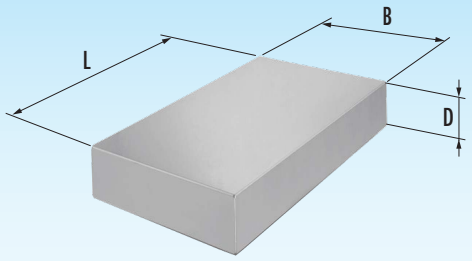
B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 996	56									
	76									
	96									
	116									
	136				auf Anfrage					
	156				on request					
	196				sur demande					

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 156	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
206 x 156	22	■	■	■
	27	■	■	■
	36	■	■	■
156 x 246	22	■	■	■
	27	■	■	■

B x L	D	Mat. 1730	2085	2312
90 x 156	9	■	■	
	17	■	■	■
32 x 156	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 196	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
206 x 196	22	■	■	■
	27	■	■	■
	36	■	■	■
156 x 296	22	■	■	■
	27	■	■	■

B x L	D	Mat. 1730	2085	2312
90 x 196	9	■	■	
	17	■	■	■
32 x 196	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
196 x 246	22	■	■	■
	27	■	■	■
	36	■	■	■
156 x 296	22	■	■	■
	27	■	■	■

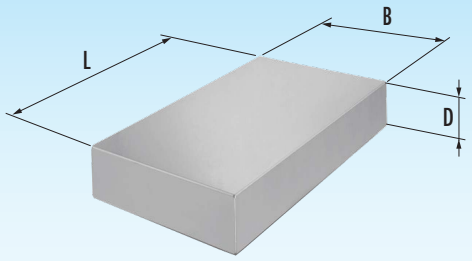
B x L	D	Mat. 1730	2085	2312
90 x 246	9	■	■	
	17	■	■	■
32 x 246	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
156 x 296	22	■		■	■	■	■			
	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
196 x 296	22	■	■	■
	27	■	■	■
	36	■	■	■
156 x 396	27	■	■	■

B x L	D	Mat. 1730	2085	2312
90 x 296	12	■	■	
	17	■	■	■
32 x 296	46	■	■	
	56	■	■	
	76	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 196	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 196	22	■	■	■
	27	■	■	■
	36	■	■	■
196 x 296	22	■	■	■
	27	■	■	■

B x L	D	Mat. 1730	2085	2312
118 x 196	12	■	■	
	17	■	■	■
38 x 196	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
190 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
254 x 246	22	■	■	■
	27	■	■	■
	36	■	■	■
190 x 296	22	■	■	■
	27	■	■	■

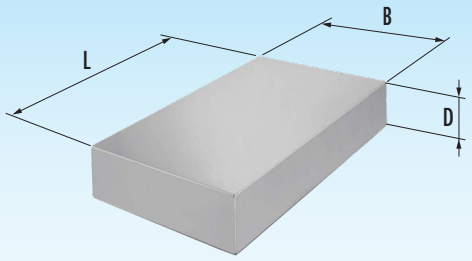
B x L	D	Mat. 1730	2085	2312
112 x 246	12	■	■	
	17	■	■	■
38 x 246	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 296	27	■	■	■
	36	■	■	■
	46	■	■	■
196 x 396	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
108 x 296	12	■	■	
	17	■	■	■
43 x 296	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 346	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
246 x 346	27	■	■	■
	36	■	■	■
	46	■	■	■
196 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
108 x 346	12	■	■	
	17	■	■	■
43 x 346	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
196 x 396	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
246 x 396	27	■	■	■
	36	■	■	■
	46	■	■	■
196 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
108 x 396	17	■	■	
	22	■	■	■
43 x 396	56	■	■	
	76	■	■	
	96	■	■	

8

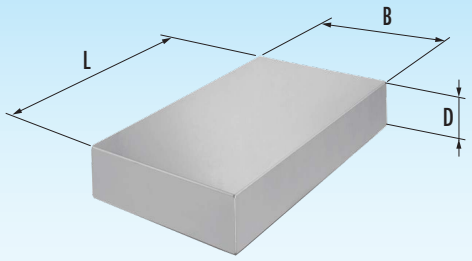
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P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■			■
	66	■		■	■	■	■			■
	76	■		■	■	■	■			■
	86	■		■	■	■	■			■
	96	■		■	■	■	■			■

B x L	D	Mat. 1730	2085	2312
276 x 246	22	■	■	■
	27	■	■	■
	36	■	■	■
218 x 296	22	■	■	■
	27	■	■	■

B x L	D	Mat. 1730	2085	2312
140 x 246	12	■	■	
	17	■	■	■
38 x 246	46	■	■	
	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
218 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■			■
	66	■		■	■	■	■			■
	76	■		■	■	■	■			■
	86	■		■	■	■	■			■
	96	■		■	■	■	■			■

B x L	D	Mat. 1730	2085	2312
276 x 296	27	■	■	■
	36	■	■	■
	46	■	■	■
218 x 396	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
130 x 296	12	■	■	
	17	■	■	■
43 x 296	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 246	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■	■	■	■	■	■		■	■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 246	27	■	■	■
	36	■	■	■
	46	■	■	■

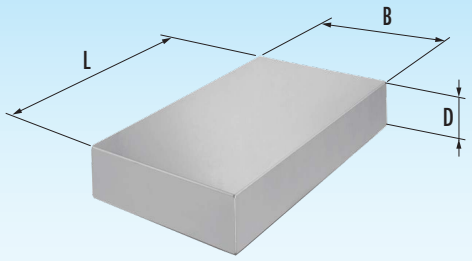
B x L	D	Mat. 1730	2085	2312
158 x 246	12	■	■	
	17	■	■	■
43 x 246	56	■	■	
	76	■	■	
	96	■	■	

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 296	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 296	27	■	■	■
	36	■	■	■
	46	■	■	■
246 x 396	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
158 x 296	12	■	■	
	17	■	■	■
43 x 296	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 346	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 346	27	■	■	■
	36	■	■	■
	46	■	■	■
246 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
158 x 346	17	■	■	
	22	■	■	■
43 x 346	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 396	17	■		■	■	■	■			■
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
296 x 396	27	■	■	■
	36	■	■	■
	46	■	■	■
246 x 446	27	■	■	■
	36	■	■	■

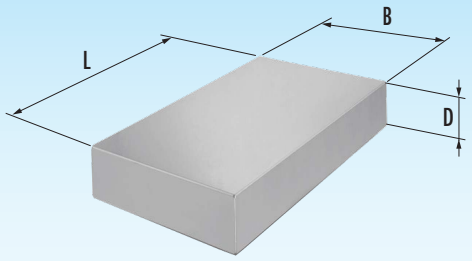
B x L	D	Mat. 1730	2085	2312
150 x 396	17	■	■	
	22	■	■	■
47x396	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 446	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
296 x 446	27	■	■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
158 x 446	17	■	■	
	22	■	■	■
43 x 446	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
246 x 496	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
296 x 496	27	■	■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
158 x 496	17	■	■	
	22	■	■	■
43 x 496	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 296	17	■								
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 296	27	■	■	■
	36	■	■	■
	46	■	■	■
296 x 396	27	■	■	■
	36	■	■	■

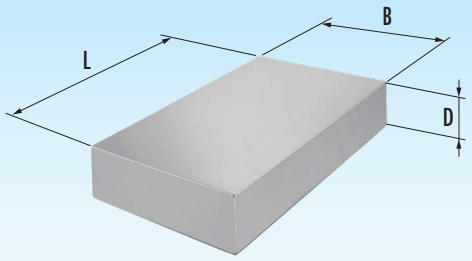
B x L	D	Mat. 1730	2085	2312
208 x 296	12	■	■	
	17	■	■	■
43 x 296	56	■	■	
	76	■	■	
	96	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 346	17	■								
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 346	27	■	■	■
	36	■	■	■
	46	■	■	■
296 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
208 x 346	17	■	■	
	22	■	■	■
43 x 346	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 396	17	■								
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
346 x 396	27	■	■	■
	36	■	■	■
	46	■	■	■
296 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
200 x 396	17	■	■	
	22	■	■	■
47x396	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 446	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
346 x 446	27	■	■	
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
208 x 446	17	■	■	
	22	■	■	■
43 x 446	56	■	■	
	76	■	■	
	96	■	■	

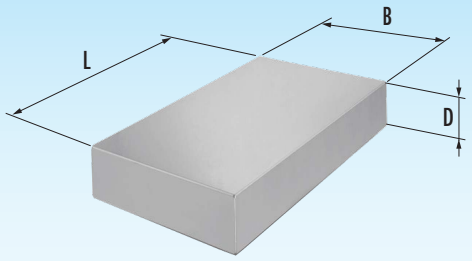
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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 496	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
346 x 496	27	■	■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
208 x 496	17	■	■	
	22	■	■	■
43 x 496	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 546	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
346 x 546	36	■	■	■

B x L	D	Mat. 1730	2085	2312
208 x 546	17	■	■	
	22	■	■	■
43 x 546	56	■	■	
	76	■	■	
	96	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 596	27	■		■	■	■	■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■			
	66	■		■	■	■	■			
	76	■		■	■	■	■			
	86	■		■	■	■	■			
	96	■		■	■	■	■			
	116	■		■	■	■	■			

B x L	D	Mat. 1730	2085	2312
346 x 596	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
208 x 596	22	■	■	
	27	■	■	■
43 x 596	76	■	■	
	96	■	■	
	116	■	■	

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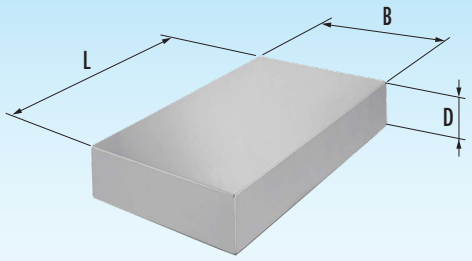
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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
296 x 696	27	■								
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
346 x 696	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
168 x 696	17	■	■	
	22	■	■	
	27	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 346	17	■								
	22	■		■	■	■	■			■
	27	■		■	■	■	■			■
	36	■	■	■	■	■	■		■	■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■	■	■	■	■	■		■	■
	76	■	■	■	■	■	■		■	■
	86	■	■	■	■	■	■		■	■
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 346	27	■	■	■
	36	■	■	■
	46	■	■	■
346 x 446	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
258 x 346	17	■	■	
	22	■	■	■
43 x 346	56	■	■	
	76	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 396	17	■								
	22	■		■	■		■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■		■			■			
	76	■	■	■	■	■	■		■	■
	86	■		■			■			
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 396	27	■	■	■
	36	■	■	■
	46	■	■	■
346 x 446	22	■	■	■
	27		■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 396	17	■	■	
	22	■	■	■
62 x 396	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	

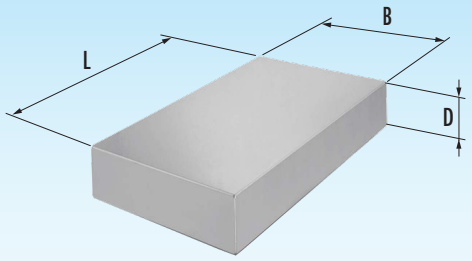
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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 446	17	■								
	22	■		■			■			
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■		■	
	56	■	■	■	■	■	■		■	
	66	■		■			■			
	76	■	■	■	■	■	■		■	
	86	■		■			■			
	96	■	■	■	■	■	■		■	
	116	■	■	■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 446	22	■	■	■
	27	■	■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 446	17	■	■	
	22	■	■	■
	27	■	■	
62 x 446	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 496	17	■								
	22	■		■	■		■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■	■	■	■	■	■		■	■
	56	■	■	■	■	■	■		■	■
	66	■		■			■			
	76	■	■	■	■	■	■		■	■
	86	■		■			■			
	96	■	■	■	■	■	■		■	■
	116	■	■	■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
396 x 496	22	■	■	
	27	■	■	■
	36	■	■	■
	46	■	■	■
346 x 546	22	■	■	
	27	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 496	17	■	■	
	22	■	■	■
	27	■	■	
62 x 496	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 546	22	■								
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■	■	■	■	■	■		■	
	86	■		■			■			
	96	■	■	■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■	■	■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 546	36	■	■	■
	46	■	■	■
	56	■	■	■

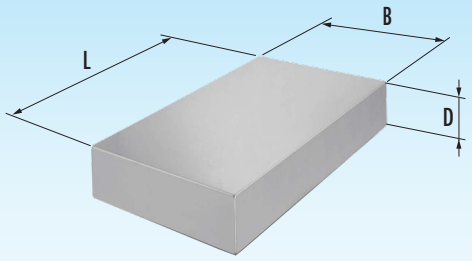
B x L	D	Mat. 1730	2085	2312
218 x 546	17	■	■	
	22	■	■	
	27	■	■	■
62 x 546	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 596	22	■								
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
396 x 596	22	■	■	
	27	■	■	■
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 596	17	■	■	
	22	■	■	
	27	■	■	■
62 x 596	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 696	22	■								
	27	■								
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
446 x 696	27	■	■	
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 696	22	■	■	
	27	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
346 x 796	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
446 x 796	36	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
218 x 796	22	■	■	
	27	■	■	■
62 x 796	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

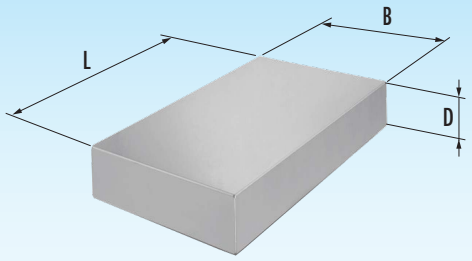
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P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 396	17	■								
	22	■		■	■		■			■
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■		■	■
	66	■		■			■			
	76	■		■	■	■	■		■	■
	86	■		■			■			
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
446 x 396	22	■	■	■
	27	■	■	■
	36	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 396	17	■	■	
	22	■	■	■
	27	■	■	
62 x 396	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 446	22	■		■			■			
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
446 x 446	22	■	■	
	27	■	■	■
	36	■	■	■
	46	■	■	■
396 x 596	22	■	■	
	27	■	■	■
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 446	17	■	■	
	22	■	■	■
	27	■	■	
62 x 446	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 496	22	■		■			■			
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	
	136	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
446 x 496	22	■	■	
	27	■	■	■
	36	■	■	■
	46	■	■	■
	56	■	■	■
396 x 596	22	■	■	
	27	■	■	■
	46	■	■	■

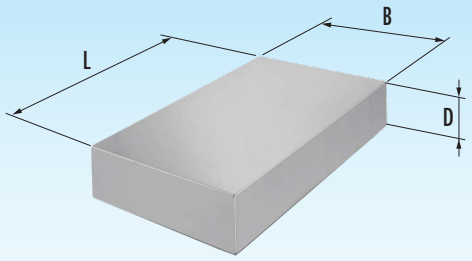
B x L	D	Mat. 1730	2085	2312
268 x 496	17	■	■	
	22	■	■	
	27	■	■	■
62 x 496	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 546	22	■								
	27	■		■	■	■	■			■
	36	■		■	■	■	■			■
	46	■		■	■	■	■			■
	56	■		■	■	■	■		■	■
	66	■		■			■			
	76	■		■	■	■	■		■	■
	86	■		■			■			
	96	■		■	■	■	■		■	■
	116	■		■	■	■	■		■	■
	136	■		■	■	■	■		■	■

B x L	D	Mat. 1730	2085	2312
546 x 496	27	■	■	■
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 546	17	■	■	
	22	■	■	
	27	■	■	■
62 x 546	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 596	22	■								
	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
496 x 596	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 596	17	■	■	
	22	■	■	
	27	■	■	■
62 x 596	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 696	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
496 x 696	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 696	22	■	■	
	27	■	■	
	36	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

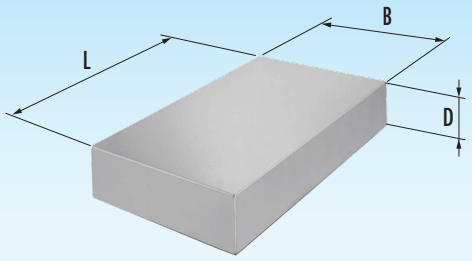
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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 796	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
496 x 796	56	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 796	22	■	■	
	27	■	■	
	36	■	■	■
62 x 796	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
396 x 896	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
496 x 896	56	■	■	■

B x L	D	Mat. 1730	2085	2312
268 x 896	22	■	■	
	27	■	■	
	36	■	■	■
62 x 896	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 446	22	■								
	27	■		■			■			
	36	■		■	■	■	■			
	46	■		■	■	■	■			
	56	■		■	■	■	■		■	
	66	■		■			■			
	76	■		■	■	■	■		■	
	86	■		■			■			
	96	■		■	■	■	■		■	
	116	■		■	■	■	■		■	

B x L	D	Mat. 1730	2085	2312
546 x 446	27	■	■	■
	36	■	■	■
	46	■	■	■
446 x 596	27	■	■	■
	36	■	■	■
	46	■	■	■

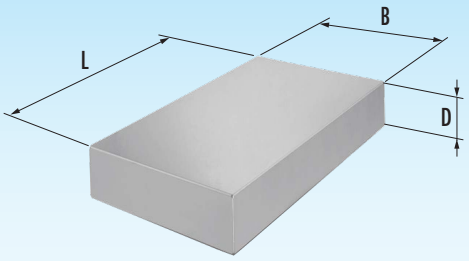
B x L	D	Mat. 1730	2085	2312
318 x 446	17	■	■	
	22	■	■	
	27	■	■	■
62 x 446	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 496	22	■								
	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
546 x 496	27	■	■	■
	36	■	■	■
	46	■	■	■
	56	■	■	■
446 x 596	27	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
318 x 496	17	■	■	
	22	■	■	
	27	■	■	■
62 x 496	56	■	■	
	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 546	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
546 x 546	27	■	■	
	36	■	■	■
	46	■	■	■

B x L	D	Mat. 1730	2085	2312
318 x 546	17	■	■	
	22	■	■	
	27	■	■	■
62 x 546	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 596	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■		■	
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
546 x 596	27	■	■	
	36	■	■	■
	46	■	■	■

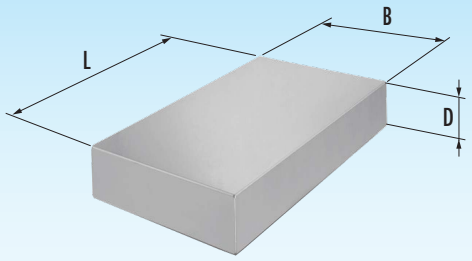
B x L	D	Mat. 1730	2085	2312
318 x 596	17	■	■	
	22	■	■	
	27	■	■	■
62 x 596	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 696	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
546 x 696	27	■	■	
	36	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
318 x 696	22	■	■	
	27	■	■	
	36	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 796	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
546 x 796	46	■	■	
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
318 x 796	22	■	■	
	27	■	■	
	36	■	■	■
62 x 796	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
446 x 896	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
546 x 896	46	■	■	
	56	■	■	■

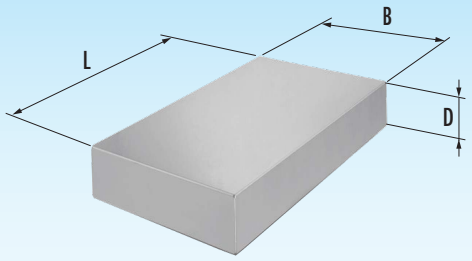
B x L	D	Mat. 1730	2085	2312
318 x 896	22	■	■	
	27	■	■	
	36	■	■	■
62 x 896	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 496	27	■		■			■			
	36	■		■		■	■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
596 x 496	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■
496 x 596	27	■	■	
	36	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
368 x 496	22	■	■	
	27	■	■	
	36	■	■	■
62 x 496	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 546	27	■		■			■			
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
596 x 546	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
368 x 546	22	■	■	
	27	■	■	
	36	■	■	■
62 x 546	66	■	■	
	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 596	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
596 x 596	27	■	■	
	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
368 x 596	22	■	■	
	27	■	■	
	36	■	■	■
62 x 596	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

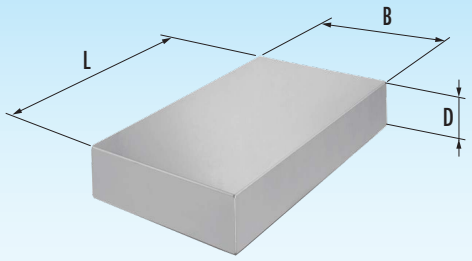
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P-Platten | P-plates | Plaques P

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OXA

P-

P-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 696	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
596 x 696	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
368 x 696	22	■	■	
	27	■	■	
	36	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 796	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
596 x 796	56	■	■	■

B x L	D	Mat. 1730	2085	2312
324 x 796	27	■	■	
	36	■	■	■
84 x 796	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 896	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
596 x 896	56	■	■	■

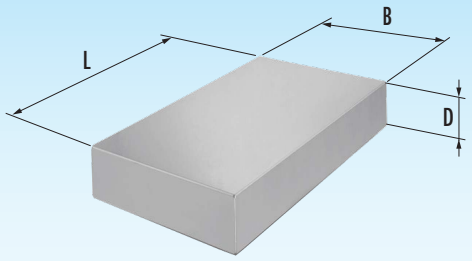
B x L	D	Mat. 1730	2085	2312
324 x 896	27	■	■	
	36	■	■	■
84 x 896	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
496 x 996	46	■		■		■	■			
	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
596 x 996	56	■	■	■

B x L	D	Mat. 1730	2085	2312
324 x 996	27	■	■	
	36	■	■	■
84 x 996	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 546	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
646 x 546	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
418 x 546	22	■	■	
	27	■	■	
	36	■	■	■
62 x 546	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 596	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
646 x 596	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
418 x 596	22	■	■	
	27	■	■	
	36	■	■	■
62 x 596	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

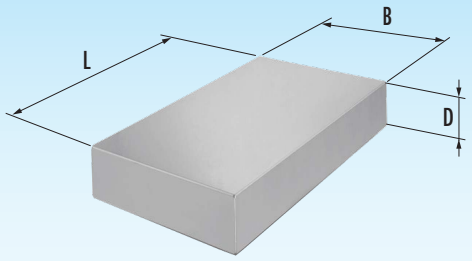
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P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 696	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■			
	86	■		■			■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
646 x 696	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
418 x 696	22	■	■	
	27	■	■	
	36	■	■	■
62 x 696	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 796	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
646 x 796	56	■	■	■

B x L	D	Mat. 1730	2085	2312
374 x 796	27	■	■	
	36	■	■	■
84 x 796	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 896	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
646 x 896	56	■	■	■

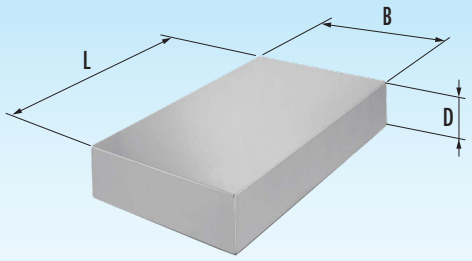
B x L	D	Mat. 1730	2085	2312
374 x 896	27	■	■	
	36	■	■	■
84 x 896	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
546 x 996	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
646 x 996	56	■	■	■

B x L	D	Mat. 1730	2085	2312
374 x 996	27	■	■	
	36	■	■	■
84 x 996	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 596	27	■								
	36	■		■			■			
	46	■		■		■	■			
	56	■		■		■	■			
	66	■		■			■			
	76	■		■		■	■		■	
	86	■		■			■			
	96	■		■		■	■		■	
	116	■		■		■	■		■	
	136	■		■		■	■		■	
	156	■		■		■	■		■	

B x L	D	Mat. 1730	2085	2312
696 x 596	36	■	■	■
	46	■	■	■
	56	■	■	■

B x L	D	Mat. 1730	2085	2312
468 x 596	22	■	■	
	27	■	■	
	36	■	■	■
62 x 596	76	■	■	
	86	■	■	
	96	■	■	
	116	■	■	
	136	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 696	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
696 x 696	56	■	■	■

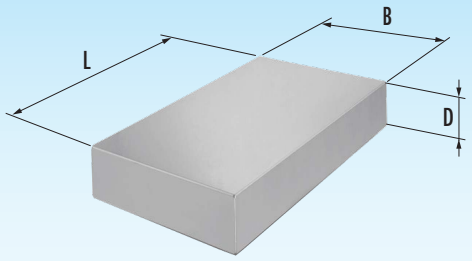
B x L	D	Mat. 1730	2085	2312
424 x 696	27	■	■	
	36	■	■	■
84 x 696	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 796	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
696 x 796	56	■	■	■

B x L	D	Mat. 1730	2085	2312
424 x 796	27	■	■	
	36	■	■	■
84 x 796	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 896	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
696 x 896	56	■	■	■

B x L	D	Mat. 1730	2085	2312
424 x 896	27	■	■	
	36	■	■	■
84 x 896	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
596 x 996	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
696 x 996	56	■	■	■

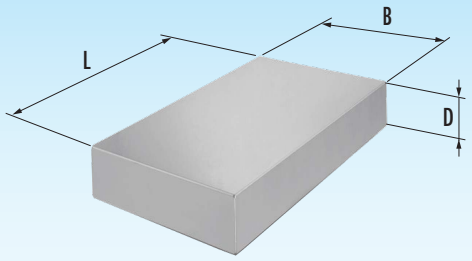
B x L	D	Mat. 1730	2085	2312
424 x 996	27	■	■	
	36	■	■	■
84 x 996	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

Wir liefern auch nicht aufgeführte **Stahlqualitäten** und **Abmessungen**. Fragen Sie diese bitte an.

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OXA

P-

P-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 696	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
796 x 696	76	■	■	■

B x L	D	Mat. 1730	2085	2312
524 x 696	27	■	■	
	36	■	■	■
84 x 696	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 796	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
796 x 796	76	■	■	■

B x L	D	Mat. 1730	2085	2312
524 x 796	27	■	■	
	36	■	■	■
84 x 796	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 896	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
796 x 896	76	■	■	■

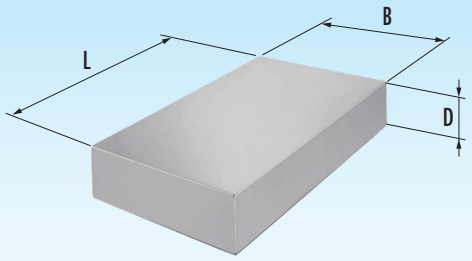
B x L	D	Mat. 1730	2085	2312
524 x 896	27	■	■	
	36	■	■	■
84 x 896	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-B x L-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
696 x 996	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
796 x 996	76	■	■	■

B x L	D	Mat. 1730	2085	2312
524 x 996	27	■	■	
	36	■	■	■
84 x 996	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 796	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
896 x 796	76	■	■	■

B x L	D	Mat. 1730	2085	2312
624 x 796	27	■	■	
	46	■	■	■
84 x 796	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 896	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
896 x 896	76	■	■	■

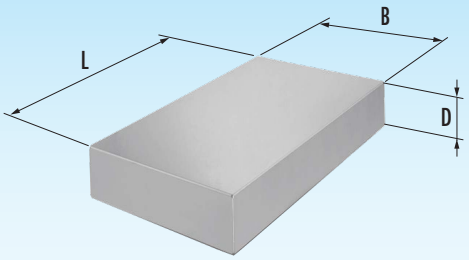
B x L	D	Mat. 1730	2085	2312
624 x 896	27	■	■	
	46	■	■	■
84 x 896	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

P-Platten | P-plates | Plaques P

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OXA

P-

P-BxL-D-Mat.

B x L	D	Mat. 1730	2083	2085	2162	2311	2312	2316	2343	2767
796 x 996	56	■		■		■	■			
	76	■		■		■	■			
	96	■		■		■	■			
	116	■		■		■	■			
	136	■		■		■	■			
	156	■		■		■	■			
	196	■		■		■	■			
	246	■		■		■	■			

B x L	D	Mat. 1730	2085	2312
896 x 996	76	■	■	■

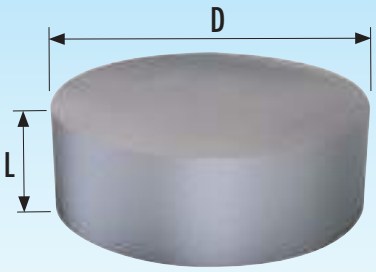
B x L	D	Mat. 1730	2085	2312
624 x 996	27	■	■	
	46	■	■	■
84 x 996	96	■	■	
	116	■	■	
	136	■	■	
	156	■	■	

Rundmaterial | Round material | Matériau rond

Je nach Material schwarz, geschält oder überdreht.

Depending on the material black, peeled or overwound.

Selon la matière noir, écroûté ou foiré.



Länge / Length / Longueur **max. 2000 mm**

Gewicht / Weight / Poids **max. 2,5 t**

SNRD-

SNRD-D-L-Mat.

Mat. 1730

D										
	20	25	30	35	40	45	50	55	60	65
	70	75	80	85	90	95	100	110	120	130
	140	150	160	170	180	190	200	210	220	230
	240	250	260	270	280	290	300	310	320	330
	340	350	360	370	380	400	420	430	450	480
	500									

ø 20 – ø 200 schwarz / black / noir ø 210 – ø 500 geschält bzw. überdreht peeled resp. overwound / écroûté resp. foiré

Mat. 2083

D										
	20,5	25,5	31	36	41	46	51	56	61	71
	81	91	101	111	121	131	141	151	161	172
	182	202	222	252	282	303	353			

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2162

D										
	20	25	30	40	45	50	55	60	65	70
	75	80	85	90	100	110	120	130	140	150
	160	170	180	200	220	240	250	270	300	310
	350	400	450	500						

schwarz / black / noir

Mat. 2311

D										
	20,5	25,8	30,8	36	40,8	45,8	50,8	56	60,8	66
	70,8	76	81	91	101,5	111,5	121,5	131,5	141	151,5
	161	172	182	192	202	212	222	232	252	272
	282	303	323	353	383	403				

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2312

D										
	20,5	25,8	30,8	35,8	40,8	45,8	51	56	61	66
	71	76	81	86	91,5	101,5	111,5	121,5	131,5	141,5
	151,5	161,5	171,5	182	192	202	212	222	232	242
	252	272	282	303	323	353	373	383	403	423
	453	483	503	523	553	603	653	703	753	803

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2316

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	86	91	96	101	111	121	131
	141	151	161	172	182	192	202	212	222	232
	242	252	262	272	282	303	323	353	373	403
	433	453	503	553						

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Rundmaterial | Round material | Matériau rond

Mat. 2343

D										
	15	20,5	26	31	36	41	46	51	56	61
	66	71	76	81	91	101	111	121	131	141
	151	161	172	182	192	202	212	222	232	242
	252	262	272	282	292	303	313	323	333	353
	363	378	383	403	413	423	433	443	453	463
	483	503	523	543	563	583	603	663		

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2343ESU

D										
	703	753	803	853						

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2379

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	86	91	101	111	121	131	141
	151	161	171	182	192	202	212	222	232	242
	252	262	272	282	292	303	313	323	333	353
	363	373	383	403	423	433	443	453	463	483
	503	523	553	583	603	653	703	753		

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2436

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	86	91	96	101	111	116	121
	126	131	141	151	161	171	181	192	202	212
	222	232	242	252	262	272	282	303	313	323
	353	363	372	382	403					

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2714

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	91	101	111	121	131	141	151
	161	172	182	192	202	212	222	232	242	252
	262	272	282	292	303	313	323	333	353	363
	373	383	403	413	423	433	453	463	483	503
	513	523	553	563	583	603	663	703	753	803
	853	907								

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2738

D										
	403	423	453	483	503	523	553	603	653	703
	753	803	853	903	953	1053	1202			

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2767

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	91	101	111	121	131	141	151
	161	172	182	192	202	212	222	232	242	252
	262	272	282	303	313	333	353	383	403	423
	453	503								

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

Mat. 2842

D										
	20,5	26	31	36	41	46	51	56	61	66
	71	76	81	91	101	111	121	131	141	151
	161	172	182	192	202	212	222	232	242	252
	262	272	282	292	303	323	333	353	363	383
	403	423	453	503						

geschält bzw. überdreht / peeled resp. overwound / écroûté resp. foiré

PRÄZISIONSFLACHSTAHL

PRECISION FLAT STEEL

ACIER PLAT DE PRECISION

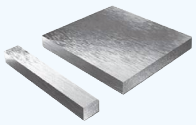


STRACK®

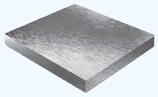
NORMALIEN

Präzisions-flachstahl
Precision flat steel
Acier plat de précision

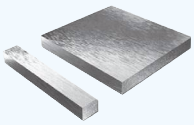




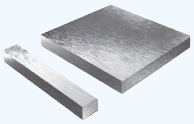
SNP 1730 9.3



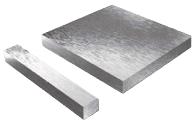
SNP 2080 9.4



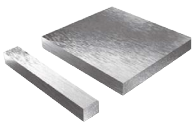
SNP 2162 9.5



SNP 2312 9.6



SNP 2343 9.7



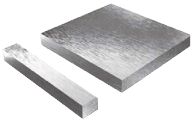
SNP 2363 9.9



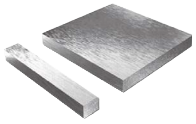
SNEW 2379 9.10



SNEG 2379 9.10



SNP 2436 9.11



SNP 2767 9.13



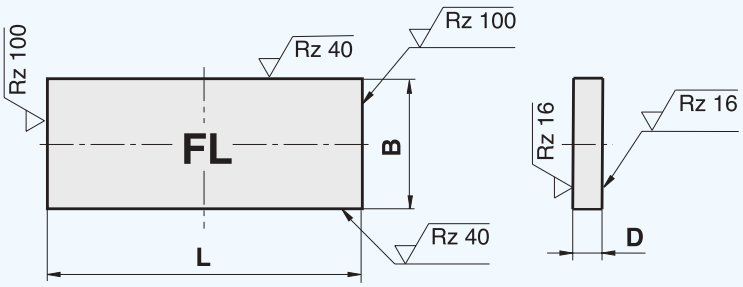
deutsch 9.16



english 9.18



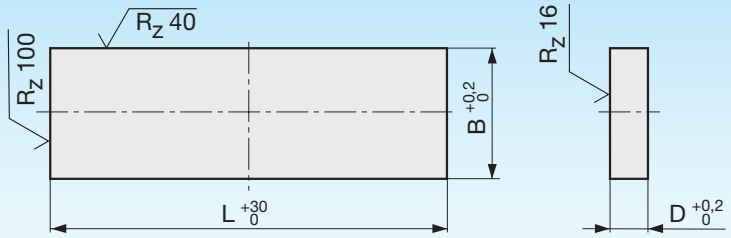
français 9.20



Werkstoffe / Materials / Matériaux

1.1730 . . . . . C 45 W
1.2080 . . . . . X 210 Cr 12
1.2162 . . . . . 21 Mn Cr 5
1.2312 . . . . . 40 Cr Mn Mo S 8 6
1.2343 . . . . . X 38 Cr Mo V 5 1
1.2363 . . . . . X 100 Cr Mo V 5-1
1.2436 . . . . . X 210 Cr W 12
1.2767 . . . . . X 45 Ni Cr Mo 4

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

SNP 1730-

Mat.: 1.1730

SNP 1730-B-D-1000

B	D																			L = 1000
	4	5	6	8	10	12	15	16	20	25	30	32	40	50	60	63	70	80	100	
20	■	■	■	■	■	■	■	■												
25	■	■	■	■	■	■	■	■	■											
30	■	■	■	■	■	■	■		■	■										
32	■	■	■	■	■	■		■	■	■										
40	■	■	■	■	■	■	■	■	■	■	■	■								
50	■	■	■	■	■	■	■	■	■	■	■	■	■							
60	■	■	■	■	■	■	■		■	■	■		■	■						
63	■	■	■	■	■	■		■	■	■		■	■	■						
70	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
80	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
90	■	■	■	■	■	■	■		■	■	■		■	■	■		■			
100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
120			■	■	■	■	■		■	■	■		■	■	■		■	■	■	
125	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
140			■	■	■	■	■		■	■	■		■	■	■		■	■	■	
150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
160	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■	■	
175			■	■	■	■		■	■			■	■	■		■		■	■	
180			■	■	■	■	■		■	■	■		■	■	■		■	■	■	
200			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
250			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
300			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
315			■	■	■	■		■	■	■		■	■	■		■				
350			■	■	■	■		■	■	■	■	■	■	■	■	■				
400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
450										■	■	■	■	■		■				
500										■	■	■	■	■		■				
Vkt.	**10**	**12**	**15**	**16**	**20**	**25**	**30**	**32**	**40**	**50**	**60**	**63**	**70**	**80**	**100**	**120**	**150**			**Vkt. = D x D**
	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			

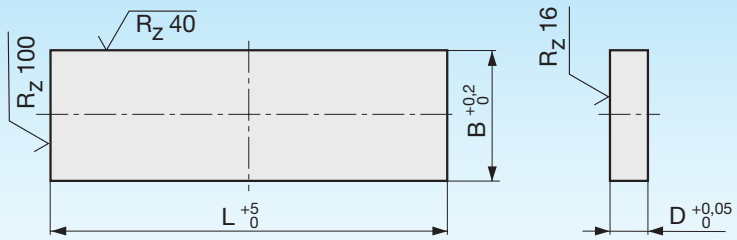
Anlassschaubild siehe nächste Seite.
Tempering diagram see next page.
Diagramme de revenu voir page après.

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



500

SNP 2080-

Mat.: 1.2080

SNP 2080-B-D-500

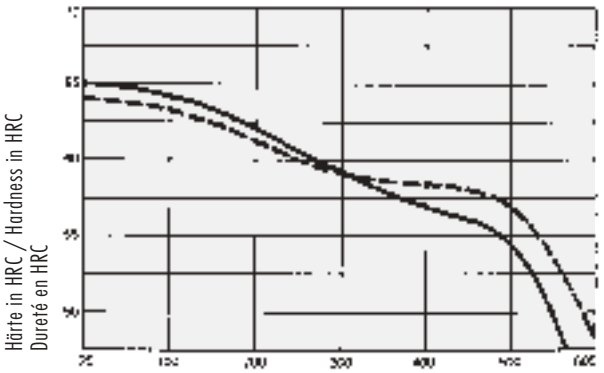
B	D										L = 500
	2	3	4	5	6	8	10	12	15	20	
20	■	■	■	■	■	■	■	■	■		
25	■	■	■	■	■	■	■	■	■	■	
30	■	■	■	■	■	■	■	■	■	■	
40	■	■	■	■	■	■	■	■	■	■	
50	■	■	■	■	■	■	■	■	■	■	
60	■	■	■	■	■	■	■	■	■	■	
80	■	■	■	■	■	■	■	■	■	■	
100	■	■	■	■	■	■	■	■	■	■	
125	■	■	■	■	■	■	■	■	■	■	
150	■	■	■	■	■	■	■	■	■	■	
200	■	■	■	■	■	■	■	■			

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

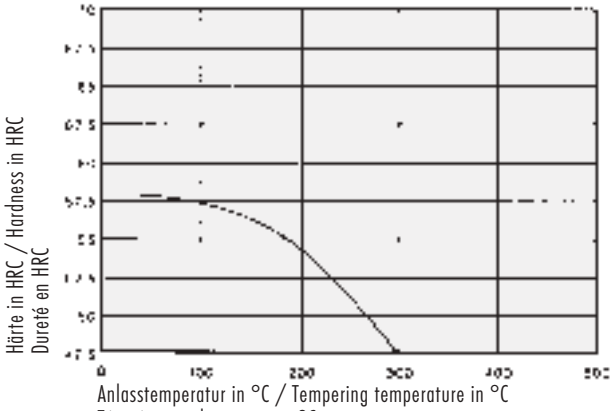
Informations concernant **traitement thermique** voir page 9.26.

Anlassschaubild / Tempering diagram / Diagramme de revenu SNP 2080



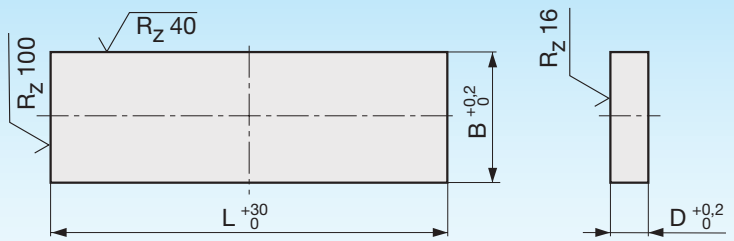
Anlasstemperatur in °C / Tempering temperature in °C
Température de revenu en °C

Anlassschaubild / Tempering diagram / Diagramme de revenu SNP 1730



Anlasstemperatur in °C / Tempering temperature in °C
Température de revenu en °C

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

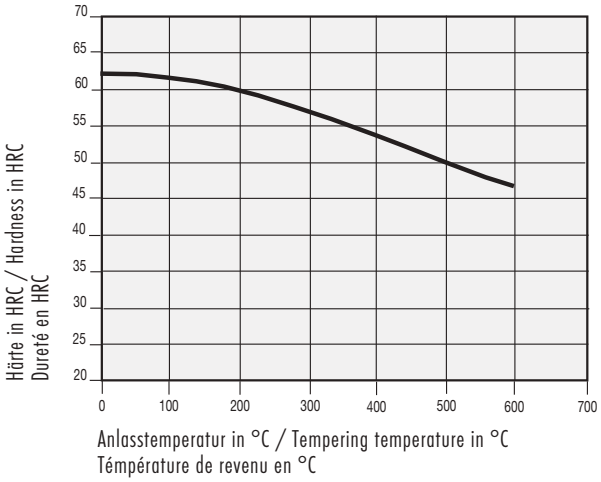
SNP 2162-

Mat.: 1.2162

SNP 2162-B-D-1000

B	D											L = 1000
	8,2	10,4	12,4	15,4	16,4	20,4	25,4	30,4	40,4	50,4	60,4	
20,3	■	■	■	■	■							
25,3	■	■	■	■	■	■						
30,3	■	■	■	■	■	■	■					
32,3	■	■	■	■	■	■	■	■				
40,3	■	■	■	■	■	■	■	■				
50,3	■	■	■	■	■	■	■	■	■			
60,3	■	■	■	■	■	■	■	■	■	■		
70,3	■	■	■	■	■	■	■	■	■	■	■	
80,3	■	■	■	■	■	■	■	■	■	■	■	
100,3	■	■	■	■	■	■	■	■	■	■	■	
150,3	■	■	■	■	■	■	■	■	■	■	■	
200,3	■	■	■	■	■	■	■	■	■	■	■	
250,3	■	■	■	■	■	■	■	■	■	■	■	
300,3	■	■	■	■	■	■	■	■	■	■	■	
Vkt.	20,4	25,4	30,4	32,4	40,4	50,4	60,4	80,4				**Vkt. = D x D**
	■	■	■	■	■	■	■	■				

Anlassschaubild / Tempering diagram / Diagramme de revenu

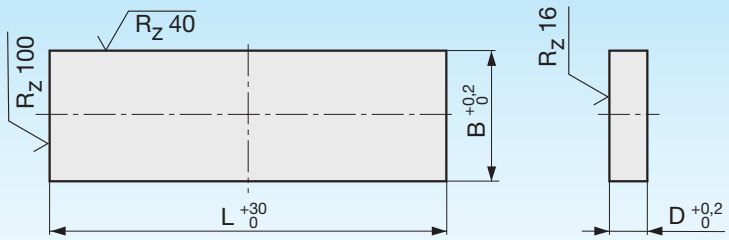


Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

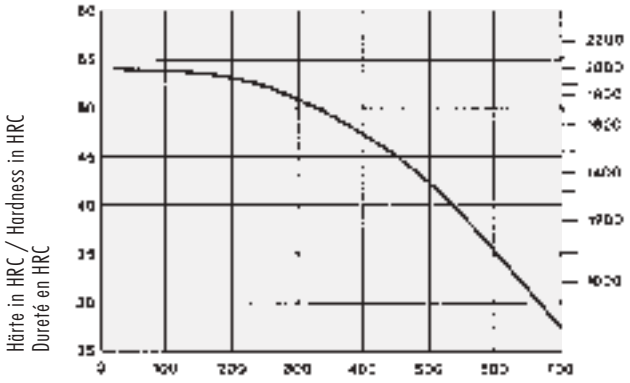
SNP 2312-

Mat.: 1.2312

SNP 2312-B-D-1000

B	D																		L = 1000
	4,2	5,2	6,2	8,2	10,4	12,4	15,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	60,4	70,4	80,4	90,4	100,4	
20,3				■	■	■	■													
25,3				■	■	■	■	■	■											
30,3				■	■	■	■	■	■	■										
32,3				■	■	■		■	■											
40,3	■	■	■	■	■	■	■	■	■	■	■									
50,3	■	■	■	■	■	■	■	■	■	■	■	■	■							
60,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
63,3	■	■	■	■	■	■		■	■	■		■	■	■						
70,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
80,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
100,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
125,3				■	■	■	■	■	■	■	■	■	■	■	■	■	■			
150,3				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
200,3				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
220,3					■	■		■	■	■	■	■	■	■	■	■	■	■	■	
250,3					■	■	■	■	■	■	■	■	■	■	■	■	■			
300,3					■	■		■	■	■	■	■	■	■	■	■	■			
Vkt.	12,4	15,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	60,4	70,4	80,4	100,4							Vkt. = D x D
	■	■	■	■	■	■	■	■	■	■	■	■	■							

Anlassschaubild / Tempering diagram / Diagramme de revenu

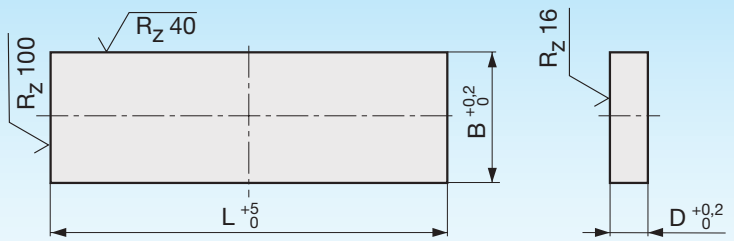


Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



500

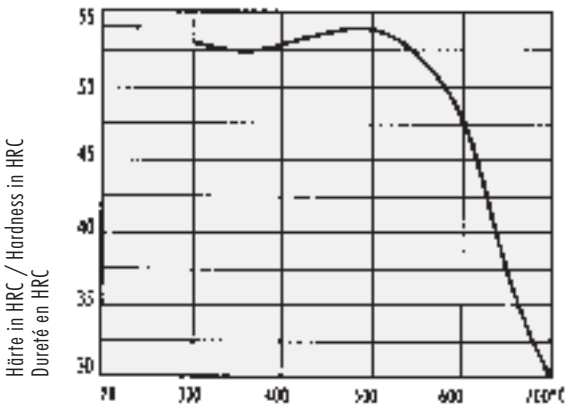
SNP 2343-

Mat.: ~1.2343

SNP 2343-B-D-500

B	D												L = 500
	4,2	5,2	6,2	8,2	10,4	12,4	15,4	20,4	25,4	30,4	40,4	50,4	
10,3	■	■	■	■									
15,3	■	■	■	■	■	■							
20,3	■	■	■	■	■	■	■						
25,3	■	■	■	■	■	■	■	■					
30,3	■	■	■	■	■	■	■	■	■				
40,3	■	■	■	■	■	■	■	■	■	■			
50,3	■	■	■	■	■	■	■	■	■	■	■		
60,3	■	■	■	■	■	■	■	■	■	■	■	■	
80,3	■	■	■	■	■	■	■	■	■	■	■	■	
100,3	■	■	■	■	■	■	■	■	■	■	■	■	
125,3								■	■	■	■	■	
150,3								■	■	■	■	■	
200,3								■	■	■	■	■	
Vkt.	**10,4**	**12,4**	**15,4**	**20,4**	**25,4**	**30,4**	**40,4**	**50,4**	**60,4**				**Vkt. = D x D**
	■	■	■	■	■	■	■	■	■				

Anlassschaubild / Tempering diagram / Diagramme de revenu



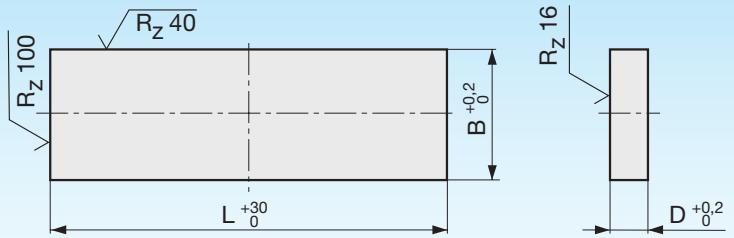
Anlasstemperatur in °C / Tempering temperature in °C
Température de revenu en °C

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

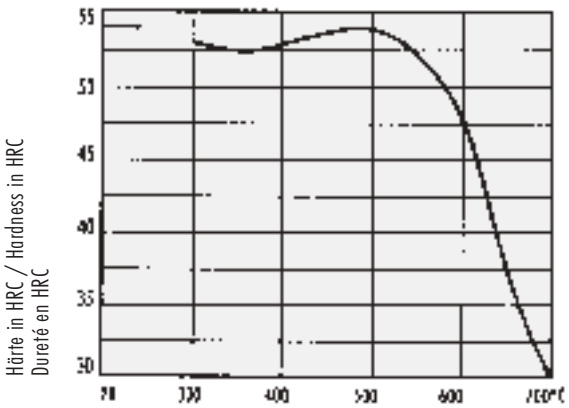
SNP 2343-

Mat.: ~1.2343

SNP 2343-B-D-1000

B	D																		L = 1000
	8,2	10,4	12,4	15,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	60,4	80,4	100,4					
20,3	■	■	■	■	■														
25,3	■	■	■	■	■	■													
30,3	■	■	■	■		■	■												
32,3	■	■	■		■	■	■												
40,3	■	■	■	■	■	■	■	■	■										
50,3	■	■	■	■	■	■	■	■	■	■									
60,3	■	■	■	■		■	■	■		■	■								
63,3	■	■	■		■	■	■		■	■	■								
80,3	■	■	■	■	■	■	■	■	■	■	■	■							
100,3	■	■	■	■	■	■	■	■	■	■	■	■	■						
125,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
150,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
200,3	■	■	■	■	■	■	■	■	■	■	■	■	■						
Vkt.	20,4	25,4	30,4	32,4	40,4	50,4	60,4	80,4	100,4										Vkt. = D x D
	■	■	■	■	■	■	■	■	■										

Anlassschaubild / Tempering diagram / Diagramme de revenu



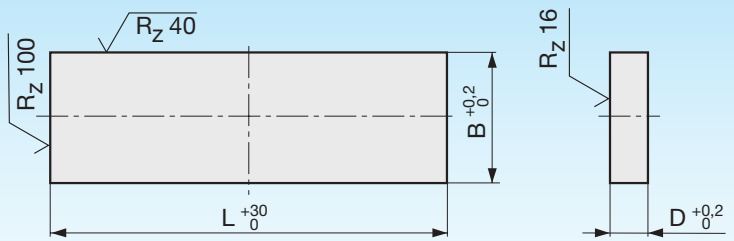
Anlasstemperatur in °C / Tempering temperature in °C
Température de revenu en °C

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

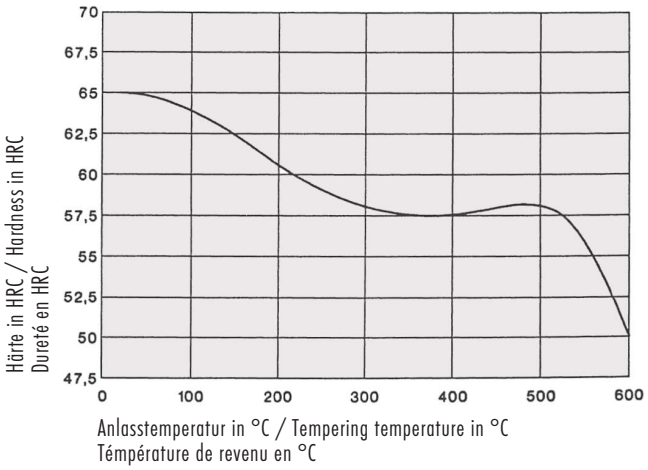
SNP 2363-

Mat.: 1.2363

SNP 2363-B-D-1000

B	D								L = 1000
	8,2	10,4	12,4	15,4	20,4	25,4	30,4	40,4	
25,3	■	■	■						
30,3	■	■	■	■	■				
40,3	■	■	■	■	■	■	■		
50,3	■	■	■	■	■	■	■		
60,3	■	■	■	■	■	■	■	■	
80,3	■	■	■	■	■	■	■	■	
100,3	■	■	■	■	■	■	■	■	
125,3		■	■	■	■	■	■	■	
150,3		■	■	■	■	■	■	■	
200,3		■	■	■	■	■	■	■	
250,3					■	■	■	■	
Vkt.	**20,4**	**25,4**	**30,4**	**40,4**	**50,4**	**60,4**	**80,4**	**100,4**	**Vkt. = D x D**
	■	■	■	■	■	■	■	■	

Anlassschaubild / Tempering diagram / Diagramme de revenu

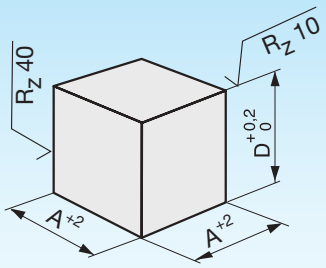


Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Erodierblöcke | Erosion blocks | Blocs d'érosion



max. 255 HB

SNEW 2379-

Mat.: 1.2379
max. 255 HB

SNEW 2379-
A-D

A	D													weichgeglüht soft annealed détrempé
	15	20	25	30	40	50	60	70	80	90	100	120	150	
80,5														
100,5														
120,5														
150,5														
200,5														
250,5														
300,5														

Weichgeglühte Ausführung (W):
max. 255 HB

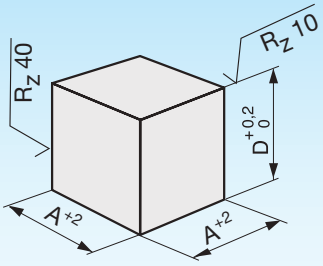
Sonderanfertigung auf Anfrage

Soft annealed model (W):
max. 255 HB

Special fabrication on request

Modèle détrempé (W):
255 HB max.

Fabrication spéciale sur demande



HRC 61 ±1

SNEG 2379-

Mat.: 1.2379
HRC 61 ±1

SNEG 2379-
A-D

A	D													gehärtet hardened trempé
	15	20	25	30	40	50	60	70	80	90	100	120	150	
80,5														
100,5														
120,5														
150,5														
200,5														
250,5														
300,5														

Gehärtete Ausführung (G):
HRC 61, mindestens 3 x angelassen

Sonderanfertigung auf Anfrage

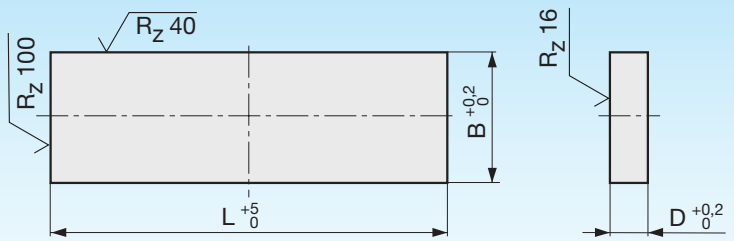
Hardened model (G):
HRC 61, at least three times annealed

Special fabrication on request

Modèle trempé (G):
HRC 61, recuite au moins trois fois

Fabrication spéciale sur demande

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



500

SNP 2436-

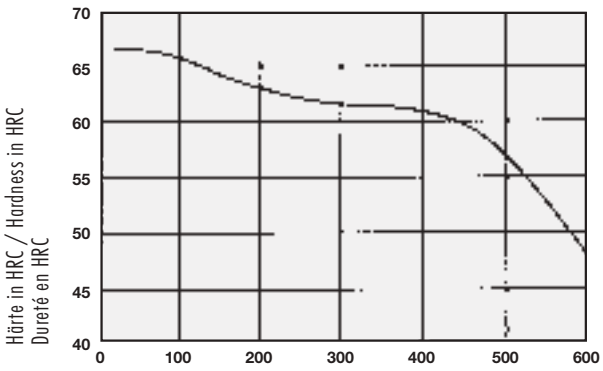
Mat.: 1.2436

SNP 2436-B-D-500

B	D													L = 500
	2,2	3,2	4,2	5,2	6,2	8,2	10,4	12,4	15,4	20,4	25,4	30,4	40,4	
10,3	■	■	■	■	■	■								
15,3	■	■	■	■	■	■	■	■						
20,3	■	■	■	■	■	■	■	■	■					
25,3	■	■	■	■	■	■	■	■	■	■				
30,3	■	■	■	■	■	■	■	■	■	■	■			
40,3	■	■	■	■	■	■	■	■	■	■	■	■		
50,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
60,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
80,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
100,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
125,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
150,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
200,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
250,3	■	■	■	■	■	■	■	■	■	■	■	■	■	
300,3	■	■	■	■	■	■	■	■	■	■	■	■	■	

Vkt.	8,2	10,4	12,4	15,4	20,4	25,4	30,4	40,4	Vkt. = D x D
	■	■	■	■	■	■	■	■	

Anlassschaubild / Tempering diagram / Diagramme de revenu



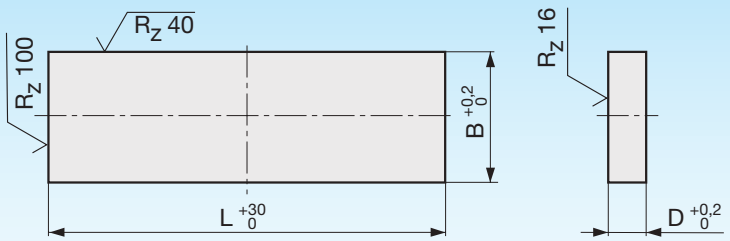
Anlasstemperatur in °C / Tempering temperature in °C
Température de revenu en °C

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

SNP 2436-

Mat.: 1.2436

SNP 2436-B-D-1000

B	D																			L = 1000
	2,2	3,2	4,2	5,2	6,2	8,2	10,4	12,4	15,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4				
10,3	■	■	■	■	■	■														
15,3	■	■	■	■	■	■	■													
20,3	■	■	■	■	■	■	■	■	■											
25,3	■	■	■	■	■	■	■	■	■		■									
30,3	■	■	■	■	■	■	■	■	■		■	■								
32,3						■	■	■		■										
40,3	■	■	■	■	■	■	■	■	■	■	■	■	■							
50,3	■	■	■	■	■	■	■	■	■	■	■	■	■							
60,3	■	■	■	■	■	■	■	■	■		■	■	■							
63,3						■	■	■		■	■	■		■						
80,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
100,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
125,3							■	■	■	■	■	■	■	■	■	■				
150,3							■	■	■	■	■	■	■	■	■	■				
160,3							■	■		■	■	■		■	■	■				
175,3							■	■		■	■	■		■	■	■				
200,3							■	■	■	■	■	■	■	■	■	■				
250,3							■	■	■		■	■	■	■	■	■				
300,3							■	■	■		■	■	■							
315,3														■	■					

Vkt.	10,4	12,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	Vkt. = D x D
	■	■	■	■	■	■	■	■	■	

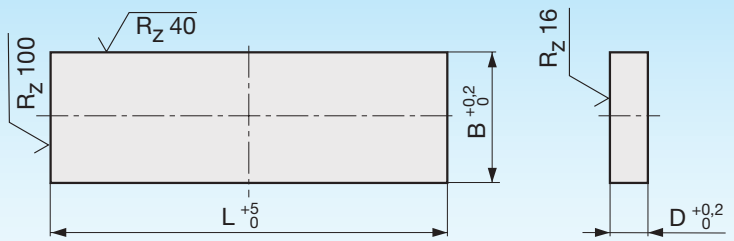
Anlassschaubild siehe vorherige Seite.
Tempering diagram see previous page.
Diagramme de revenu voir page précédent.

Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



500

SNP 2767-

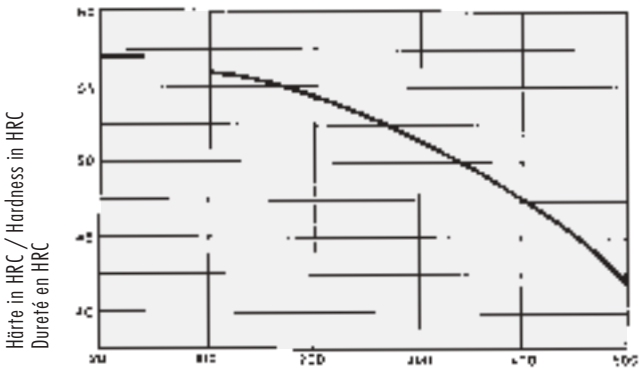
Mat.: 1.2767

SNP 2767-B-D-500

B	D												L = 500
	4,2	5,2	6,2	8,2	10,4	12,4	15,4	20,4	25,4	30,4	40,4	50,4	
10,3	■	■	■	■									
15,3	■	■	■	■	■	■							
20,3	■	■	■	■	■	■	■						
25,3	■	■	■	■	■	■	■	■					
30,3	■	■	■	■	■	■	■	■	■				
40,3	■	■	■	■	■	■	■	■	■	■			
50,3	■	■	■	■	■	■	■	■	■	■	■		
60,3	■	■	■	■	■	■	■	■	■	■	■	■	
80,3	■	■	■	■	■	■	■	■	■	■	■	■	
100,3	■	■	■	■	■	■	■	■	■	■	■	■	
125,3				■	■	■	■	■	■	■	■	■	

Vkt.	10,4	12,4	15,4	20,4	25,4	30,4	40,4	50,4	Vkt. = D x D
	■	■	■	■	■	■	■	■	

Anlassschaubild / Tempering diagram / Diagramme de revenu

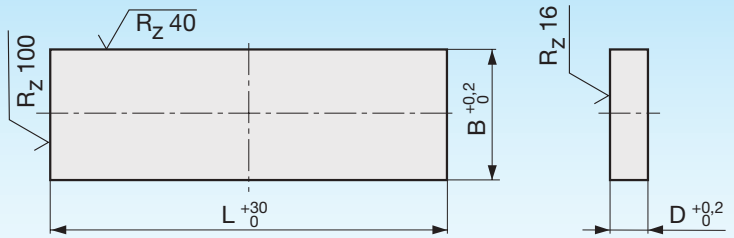


Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.

Präzisionsflachstahl | Precision flat steel | Acier plat de précision



1000

SNP 2767-

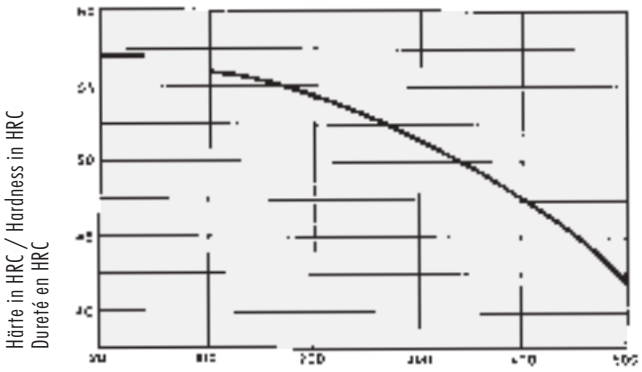
Mat.: 1.2767

SNP 2767-B-D-1000

B	D																		L = 1000
	8,2	10,4	12,4	15,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	60,4	63,4	80,4	100,4				
20,3	■	■	■	■	■														
25,3	■	■	■	■	■	■													
30,3	■	■	■	■		■	■												
32,3	■	■	■		■	■	■												
40,3	■	■	■	■	■	■	■	■	■										
50,3	■	■	■	■	■	■	■	■	■	■									
60,3	■	■	■	■		■	■	■		■	■								
63,3	■	■	■		■	■	■		■	■	■								
70,3	■	■	■		■	■	■		■	■	■		■						
80,3	■	■	■	■	■	■	■	■	■	■	■	■	■						
100,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
125,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
150,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
200,3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
250,3	■	■	■		■	■	■		■	■	■		■	■	■				
300,3	■	■	■		■	■	■		■	■	■		■	■	■				

Vkt.	10,4	12,4	16,4	20,4	25,4	30,4	32,4	40,4	50,4	60,4	63,4	80,4	100,4						Vkt. = D x D
	■	■	■	■	■	■	■	■	■	■	■	■	■						

Anlassschaubild / Tempering diagram / Diagramme de revenu



Informationen zur **Wärmebehandlung** entnehmen Sie bitte der Seite 9.22.

Information concerning **heat treatment** see page 9.24.

Informations concernant **traitement thermique** voir page 9.26.



INFORMATIONEN DEUTSCH

INFORMATION ENGLISH

INFORMATIONS FRANÇAIS

STRACK®

NORMALIEN

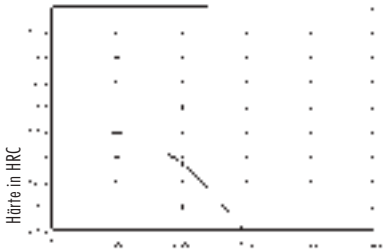
Werkstoffe | Information deutsch | Anlassschaubilder

SNP 1730

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11,1	12,1	12,9

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	680 - 710	langsame Ofenabkühlung	max. 190 HB	ca. 3 h
Spannungsarmglühen:	600 - 650	langsame Ofenabkühlung		ca. 2 h
Härten:	nicht üblich		**Anlassen:** siehe Anlassschaubild	

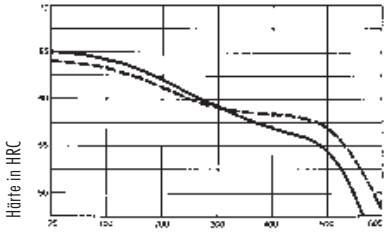


SNP 2080

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	10,5	11,0	11,0

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	800 - 850	langsame Ofenabkühlung	max. 248 HB	ca. 3 h
Spannungsarmglühen:	650	langsame Ofenabkühlung		ca. 2 h
Härten:	940 - 970	Öl, Druckluft, Luft (bis max. 25mm Dicke)	**Anlassen:** siehe Anlassschaubild	

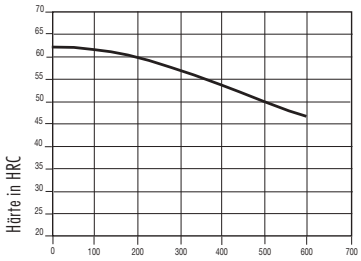


SNP 2162

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11,1	12,1	12,9

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	670 - 710	langsame Ofenabkühlung	max. 205 HB	ca. 3 h
Aufkohlung:	900 - 950			
Härten:	810 - 840	Öl, Warmbad	**Anlassen:** siehe Anlassschaubild	

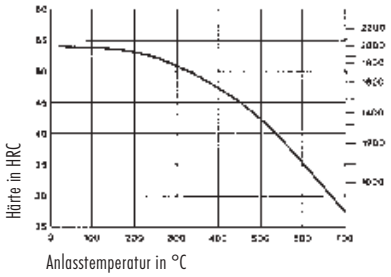


SNP 2312

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	12,8	13,0	13,8

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	720 - 740	langsame Ofenabkühlung	max. 230 HB	ca. 3 h
Spannungsarmglühen:	600	l		ca. 2 h
Härten:	nicht üblich		**Anlassen:** siehe Anlassschaubild	

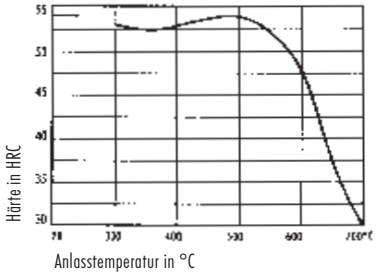


SNP 2343

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11,5	12,0	12,2

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	750 - 800	langsame Ofenabkühlung	max. 205 HB	ca. 3 h
Spannungsarmglühen:	600 - 650	langsame Ofenabkühlung		ca. 2 h
Härten:	1000 - 1040	Öl, Warmbad, Luft	**Anlassen:** siehe Anlassschaubild	

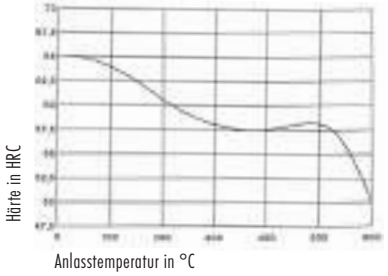


SNP 2363

Physikalische Eigenschaften:
Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	12,0	12,1	11,9

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	800 - 850	langsame Ofenabkühlung	max. 240 HB	ca. 3 h
Spannungsarmglühen:	650	langsame Ofenabkühlung		ca. 2 h
Härten:	950 - 980	Öl, Warmbad, Luft	**Anlassen:** siehe Anlassschaubild	



Werkstoffe — Information deutsch — Anlassschaubilder

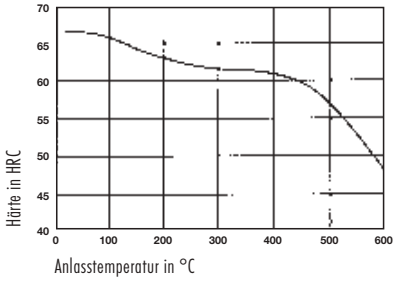
SNP 2436

Physikalische Eigenschaften:

Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	10,5	11,0	11,0

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	800 - 850	langsame Ofenabkühlung	max. 255 HB	ca. 3 h
Spannungsarmglühen:	650 - 700	langsame Ofenabkühlung		ca. 2 h
Härten:	950 - 980	Öl, Warmbad, Druck/Luft	**Anlassen:** siehe Anlassschaubild	



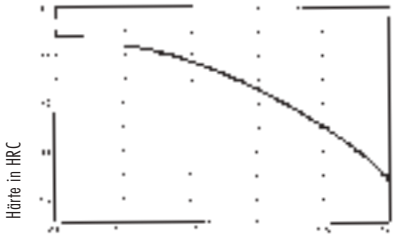
SNP 2767

Physikalische Eigenschaften:

Wärmeausdehnungskoeffzient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11,0	12,5	12,0

Wärmebehandlung:	Temperatur °C:	Abkühlung	Glühhärte	Haltezeit
Weichglühen:	610 - 650	langsame Ofenabkühlung	max. 260 HB	ca. 4 - 5 h
Spannungsarmglühen:	650	langsame Ofenabkühlung		ca. 2 h
Härten:	840 - 870	Öl, Luft, Warmbad	**Anlassen:** siehe Anlassschaubild	



Empfohlene Werkstoffe
für Stanz- und Formwerkzeuge

Korrosionsbeständige Stähle
für Spritzgießwerkzeuge

siehe Kapitel **INFORMATIONEN**

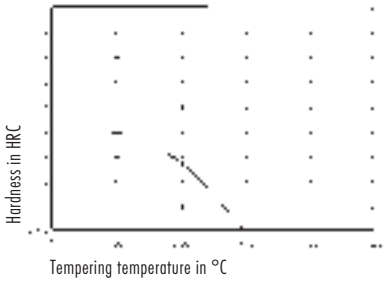
Materials | Information english | Tempering diagrams

SNP 1730

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11.1 | 20-200°C: 12.1 | 20-300°C: 12.9

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	680 - 710	Slow furnace cooling	max. 190 HB	ca. 3 h
Stress relief heat treatment:	600 - 650	Slow furnace cooling		ca. 2 h
Hardening:	not common		Tempering: see tempering diagram	

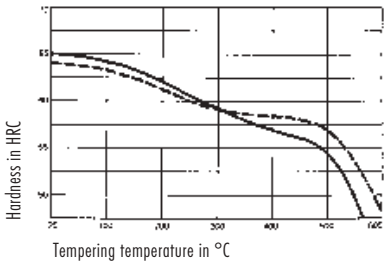


SNP 2080

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 10.5 | 20-200°C: 11.0 | 20-300°C: 11.0

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	800 - 850	Slow furnace cooling	max. 248 HB	ca. 3 h
Stress relief heat treatment:	650	Slow furnace cooling		ca. 2 h
Hardening:	940 - 970	oil, compressed air, air (till a thickness of 25 mm)	Tempering: see tempering diagram	

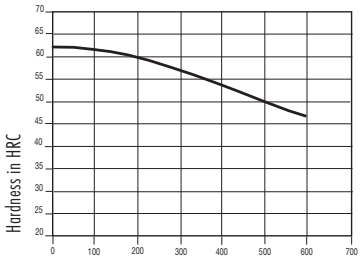


SNP 2162

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11.1 | 20-200°C: 12.1 | 20-300°C: 12.9

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	670 - 710	Slow furnace cooling	max. 205 HB	ca. 3 h
Carbonization:	900 - 950			
Hardening:	810 - 840	oil, warm bath	Tempering: see tempering diagram	

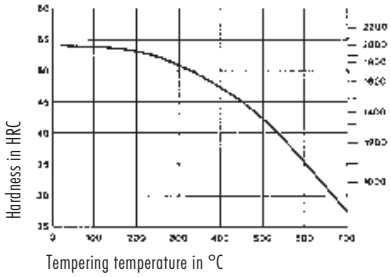


SNP 2312

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 12.8 | 20-200°C: 13.0 | 20-300°C: 13.8

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	720 - 740	Slow furnace cooling	max. 230 HB	ca. 3 h
Stress relief heat treatment:	600			ca. 2 h
Hardening:	not common		Tempering: see tempering diagram	

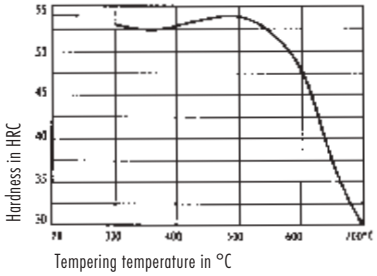


SNP 2343

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11.5 | 20-200°C: 12.0 | 20-300°C: 12.2

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	750 - 800	Slow furnace cooling	max. 205 HB	ca. 3 h
Stress relief heat treatment:	600 - 650	Slow furnace cooling		ca. 2 h
Hardening:	1000 - 1040	oil, warm bath, air	Tempering: see tempering diagram	

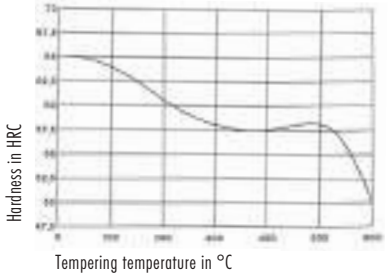


SNP 2363

Physical characteristics:

Thermal expansion coefficient: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 12.0 | 20-200°C: 12.1 | 20-300°C: 11.9

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	800 - 850	Slow furnace cooling	max. 240 HB	ca. 3 h
Stress relief heat treatment:	650	Slow furnace cooling		ca. 2 h
Hardening:	950 - 980	oil, warm bath, air	Tempering: see tempering diagram	



Materials | Information english | Tempering diagrams

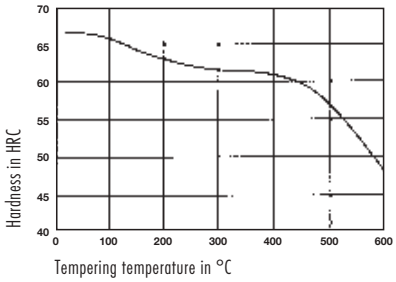
SNP 2436

Physical characteristics:

Thermal expansion coefficient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	10.5	11.0	11.0

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	800 - 850	Slow furnace cooling	max. 255 HB	ca. 3 h
Stress relief heat treatment:	650 - 700	Slow furnace cooling		ca. 2 h
Hardening:	950 - 980	oil, warm bath, pression/air	**Tempering:** see tempering diagram	



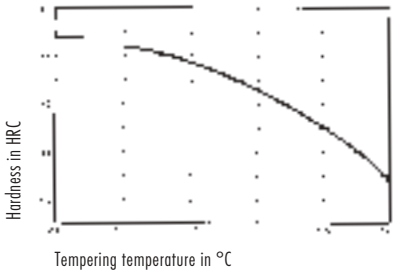
SNP 2767

Physical characteristics:

Thermal expansion coefficient:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11.0	12.5	12.0

Heat treatment:	Temperature °C:	Cooling	Annealing hardness	Holding time
Soft annealing:	610 - 650	Slow furnace cooling	max. 260 HB	ca. 4 - 5 h
Stress relief heat treatment:	650	Slow furnace cooling		ca. 2 h
Hardening:	840 - 870	oil, warm bath, air	**Tempering:** see tempering diagram	



Recommended materials
for mould and press tools

Corrosion-resisting standard steels
for injection moulding dies

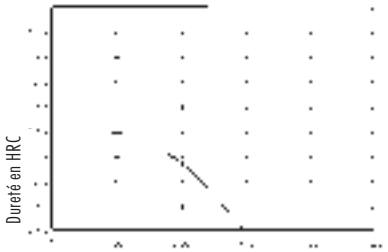
see chapter **INFORMATION**

Matériaux — Information française — Diagrammes de revenu

SNP 1730

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11,1 | 20-200°C: 12,1 | 20-300°C: 12,9

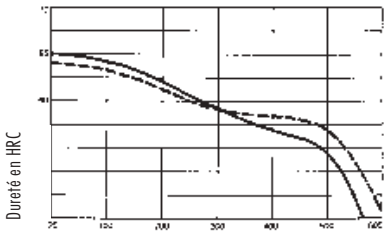
Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	680 - 710	Refroidissement lent du fourneau	max. 190 HB	ca. 3 h
Recuit léger de détensionnement:	600 - 650	Refroidissement lent du fourneau		ca. 2 h
Trempage:	non habituel		Revenu: voir diagramme de revenu	



SNP 2080

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 10,5 | 20-200°C: 11,0 | 20-300°C: 11,0

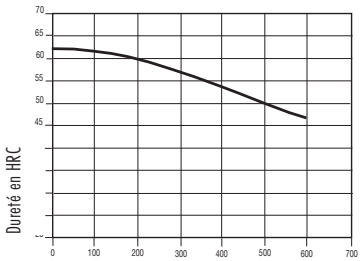
Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	800 - 850	Refroidissement lent du fourneau	max. 248 HB	ca. 3 h
Recuit léger de détensionnement:	650	Refroidissement lent du fourneau		ca. 2 h
Trempage:	940 - 970	huile, air comprimé, l'air	Revenu: voir diagramme de revenu	



SNP 2162

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11,1 | 20-200°C: 12,1 | 20-300°C: 12,9

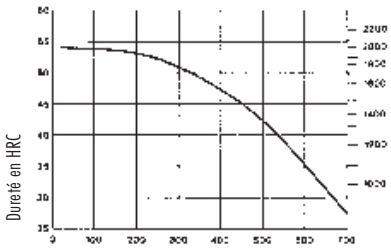
Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	670 - 710	Refroidissement lent du fourneau	max. 205 HB	ca. 3 h
Carburation:	900 - 950			
Trempage:	810 - 840	huile, bain chaud	Revenu: voir diagramme de revenu	



SNP 2312

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 12,8 | 20-200°C: 13,0 | 20-300°C: 13,8

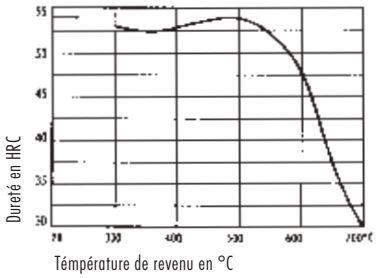
Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	720 - 740	Refroidissement lent du fourneau	max. 230 HB	ca. 3 h
Recuit léger de détensionnement:	600			ca. 2 h
Trempage:	non habituel		Revenu: voir diagramme de revenu	



SNP 2343

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 11,5 | 20-200°C: 12,0 | 20-300°C: 12,2

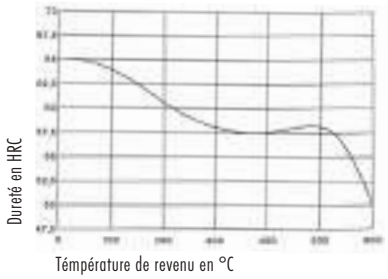
Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	750 - 800	Refroidissement lent du fourneau	max. 205 HB	ca. 3 h
Recuit léger de détensionnement:	600 - 650	Refroidissement lent du fourneau		ca. 2 h
Trempage:	1000 - 1040	huile, bain chaud, l'air	Revenu: voir diagramme de revenu	



SNP 2363

Propriétés physiques:
Coefficient de dilatation thermique: $\left[\frac{10^{-6}\ m}{m\ k}\right]$ 20-100°C: 12,0 | 20-200°C: 12,1 | 20-300°C: 11,9

Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	800 - 850	Refroidissement lent du fourneau	max. 240 HB	ca. 3 h
Recuit léger de détensionnement:	650	Refroidissement lent du fourneau		ca. 2 h
Trempage:	950 - 980	huile, bain chaud, l'air	Revenu: voir diagramme de revenu	



Matériaux — Information française — Diagrammes de revenu

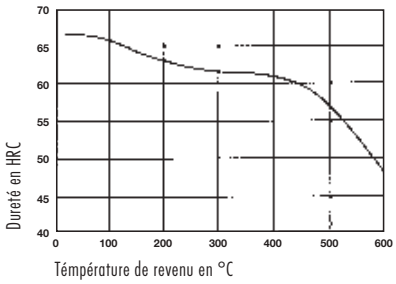
SNP 2436

Propriétés physiques:

Coefficient de dilatation thermique:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	10,5	11,0	11,0

Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	800 - 850	Refroidissement lent du fourneau	max. 255 HB	ca. 3 h
Recuit léger de détensionnement:	650 - 700	Refroidissement lent du fourneau		ca. 2 h
Trempage:	950 - 980	huile, bain chaud, pression/air	**Revenu:** voir diagramme de revenu	



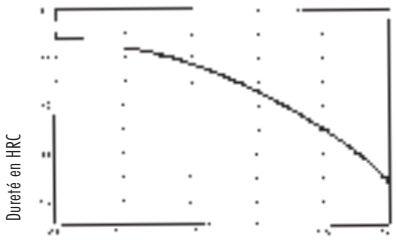
SNP 2767

Propriétés physiques:

Coefficient de dilatation thermique:

$\left[\frac{10^{-6}\ m}{m\ k}\right]$	20-100°C	20-200°C	20-300°C
	11,0	12,5	12,0

Traitement thermique:	Température °C:	Refroidissement	Dureté de recuit	Temps de maintien
Recuire doux:	610 - 650	Refroidissement lent du fourneau	max. 260 HB	ca. 4 - 5 h
Recuit léger de détensionnement:	650	Refroidissement lent du fourneau		ca. 2 h
Trempage:	840 - 870	huile, bain chaud, l'air	**Revenu:** voir diagramme de revenu	



Matériaux recommandés
pour outillages et moules

Aciers résistants à la corrosion
pour des moules d'injection

voir chapitre **INFORMATIONS**

Erodierblöcke aus Hochleistungsstählen

Erodierblöcke aus Hochleistungstählen erleichtern Ihnen Ihre Werkzeugfertigung. Nutzen Sie die qualitativen Vorteile unserer Top-Marken und überzeugen Sie sich von unserem guten Service.

Weitere Vorteile garantieren Ihnen optimale Wirtschaftlichkeit:

Zeitersparnis
Wir liefern Ihnen Erodierblöcke mit kurzfristigen Lieferzeiten von 5–8 Arbeitstagen mit einer Standardhärte von 61 HRC oder der von Ihnen gewünschten Härte. Damit ersparen Sie sich den Zeitaufwand für die Wärmebehandlung.
Auf Wunsch bringen wir natürlich auch Startlochbohrungen nach Ihren Vorgaben in die Erodierblöcke ein.

Sicherheit
Wir bieten eine fachgerechte Wärmebehandlung unserer Erodierblöcke. Damit ist eine nahezu restaustenitfreie und werkstoffgerechte Wärmebehandlung garantiert.
Wir gewährleisten von Werkstoffseite ein problemloses Erodieren und können die Bruchgefahr der aus dem Erodierblock gefertigten Werkzeuge minimieren. Damit ermöglichen wir allen Werkzeugen, die aus unseren Erodierblöcken gefertigt werden, sehr hohe Standzeiten. Durch die garantiert stehende Faser kann das Werkzeug optimal zur späteren Belastungsrichtung herausgearbeitet werden!

Erosion blocks out of high-tech steels

Erosion blocks out of high-tech steels make the tool fabrication easier for you. Use the qualitative advantages of our top marks and convince you of our good service.

Further advantages grant you an optimal profitability:

Saving of time
We deliver the erosion blocks within a short time of 5–8 working days with a standard hardness of 61 HRC or the hardness desired by you. Thereby you save the time for the heat treatment.
On your request we place of course start boreholes in the erosion blocks according to your indications.

Security
We offer a competent heat treatment of our erosion blocks. Thereby a heat treatment which is nearly free from rest austenite and which is appropriate for the material involved is guaranteed.
Considering the material side we grant an erosion without problems and can minimize the risk of fracture of the tools which are produced out of the erosion block. Thus we make it possible that all tools produced out of our erosion blocks have very high service lives. Because of the fibre which is definitely standing the tool can optimally be worked out towards the later load direction.

Blocs d'érosion de l'acier de haute capacité

Blocs d'érosion de l'acier de haute capacité vous facilite votre production de l'outil. Veuillez utiliser les avantages qualitatifs de nos marques de haute qualité et veuillez vous convaincre de notre bon service.

Les avantages supplémentaires vous garantissent une rentabilité optimale:

Epargne du temps
Nous livrons les blocs d'érosion avec un temps de livraison à bref délai de 5–8 journées de travail avec une dureté standardisée de 61 HRC ou avec une dureté demandée par vous. Avec cela vous épargnez le temps pour le traitement thermique.
Sur votre demande nous plaçons naturellement des forages de lancement dans les blocs d'érosions selon vos indications.

Sécurité
Nous offrons un traitement competent de nos blocs d'érosion. Avec cela un traitement thermique, qui est presque libre de austénite résiduelle et est adapté à la matière mise en œuvre, est garantit.
Considérant le coté de matière nous garantissons une érosion sans problème et pouvons réduire le risque de rupture des outils qui sont produits des blocs d'érosion. Avec cela nous rendrons possible que tous les outils fabriqués denos blocs d'érosion aient une durabilité très élevée. Au moyen de la fibre qui est avec garantie debout, l'outil peut être ébauché optimale vers la direction de charge ultérieure!

Sonderabmessungen

Sollten Sie unter den ca. 4.000 Abmessungen für „Ihren Fall" nicht fündig geworden sein, so bieten wir Ihnen einen leistungsfähigen Schnellservice an: Sonderabmessungen, die nur in einer Dimension (Dicke, Breite oder Länge) von den Standardmaßen dieser Liste abweichen, fertigen wir innerhalb von 2–5 Werktagen an.

Sondermaße mit größeren Abweichungen vom Standard fertigen wir innerhalb 1–3 Wochen an – je nach Vormaterialsituation.

Bitte fragen Sie an!

Special dimension

If you have not found the right thing for "your case" among the about 4,000 dimensions we offer you a competent quick service: We produce special dimensions, which only deviate in one dimension (thickness, breadth or length) of the standard measures of this list, within 2–5 working days.

We produce special dimensions with greater deviations of the standard within 1–3 weeks – depending on the situation of the ingoing material.

Please inquire for this!

Dimensions spéciales

Si vous n'avez pas trouvé quelque chose pour «votre cas» parmi les 4.000 dimensions de cette liste, nous vous offrons une service rapide qui est capable de satisfaire à toutes les demandes:
Nous produisons les dimensions spéciales, que dérivent seulement pour une dimension (densité, largueur ou longueur) des mesures standardisées, pendant 2–5 journées de travail.

Nous produisons dimensions spéciales avec les déviations plus grandes pendant 1–3 semaines – dépendant de la situation de produits primaires.

Veuillez vous informer auprès de nous!

INFORMATIONEN

INFORMATION

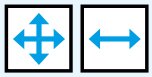
INFORMATIONS



STRACK®

NORMALIEN

Symbolerklärungen Info 3	**Explanation** Info 3	**Explication des symboles** Info 3			
Empfohlene Werkstoffe für Stanz- und Formwerkzeuge Info 4	**Recommended materials for mould and press tools** Info 10	**Matériaux recommandés pour outillages et moules** Info 16			
Korrosionsbeständige Stähle für Spritzgießwerkzeuge Info 8	**Corrosion-resisting standard steels for injection moulding dies** Info 14	**Aciers résistants à la corrosion pour des moules d'injection** Info 20			
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Vertretungen Info 52	**Representations** Info 52	**Représentations** Info 52			

	Symbolerklärungen	Explanation	Explication des symboles
	für Stanz- und Umformwerkzeuge	for injection moulding and diecasting tools	pour outils de découpe et d'emboutissage
	für Spritzgieß- und Druckgießwerkzeuge	for punching and forming tools	pour moules d'injection et fonderie sans pression
	Siehe weitere Informationen am Ende des Katalogabschnittes	See further information at the end of the catalogue section	Voir plus informations à la fin de la section du catalogue
	Siehe weitere Informationen auf nächster/ vorheriger Seite	See further information next/previous page	Voir plus informations supplémentaires la page suivante/précédée
Z 4425-	Bestellnummer	Order number	Numéro de commande
	erforderliche Bestellparameter	necessary ordering parameter	paramètre commander nécessaire
	Wir weisen besonders auf diesen Punkt hin	Please pay attention to this point	A faïre attention à ce point
Type 1 Type 2	Symbol für ein bzw. zwei Ausführungen eines Artikels	Symbol for one or two versions of an article on one page	Symbole indiquant une ou deux versions d'un article figurant sur une même page
Mat.: 1.2162/60±2HRC	DIN-Nr. / Härte	No. of DIN / Hardness	No. DIN / Dureté
	Gleitrichtung	Sliding direction	Sens de glissement
	Verunreinigungsschutz	Impurity protection	Protection d'impureté
	Nachrüstbar als Verbundzylinder	Can be backfitted as combined cylinder	Pour moules d'injection et fonderie sans pression

Empfohlene Werkstoffe für Stanz- und Formwerkzeuge

● Die nachfolgenden Stähle sind Standardqualitäten.

Mat.-Nr.	Symbol	Richtanalyse %	Lieferfestigkeit	Härten/Nitrieren
1.1730	C 45 W	C: 0,45 · Si: 0,3 · Mn: 0,7	Geglüht, Festigkeit ca. 650 N/mm²	Härten nicht üblich, da Gefahr der Spannungsrissbildung und des übermäßigen Härteverzugs besteht, dadurch nur in Ausnahmefällen anzuwenden. Nitrieren nicht üblich.
1.2080	X 210 Cr 12	C: 2,1 · Si: 0,3 · Mn: 0,3 · Cr: 12,0	Weichgeglüht mit max. 800 N/mm² (250 HB)	Härten: 930-960 °C Öl oder 950-980 °C Luft. Gebräuchliche Arbeitshärte 50-56 HRC. Nitrieren nicht üblich, da Einbauhärte und Korrosionsbeständigkeit beeinträchtigt wird.
1.2083	X 42 Cr 13	C: 0,42 · Cr: 13,0	Weichgeglüht mit max. 760 N/mm² (225 HB)	Härten im Warmbad oder Öl. Gebräuchliche Arbeitshärte 50-56 HRC. Nitrieren nicht üblich, da Beeinträchtigung der Einbauhärte und der Korrosionsbeständigkeit.
~1.2085	X 33 Cr S 16	C: 0,3 · Si: 0,5 · Mn: 1,0 · Cr: 15,5 · S: 0,1	Vergütet auf 950-1100 N/mm² (280-320 HB)	Einsatz im Anlieferungszustand, d. h. vorvergütet mit 280-320 HB.
~1.2099		C: 0,05 · Si: 0,2 · Mn: 0,9 · Cr: 12,8 · S: 0,12 · Ni: 0,4	Vorvergütet auf ~1000 N/mm² (280-320 HB)	Einsatz im Anlieferungszustand, d. h. vorvergütet mit 280-320 HB.
1.2162	21 Mn Cr 5	C: 0,21 · Mn: 1,3 · Cr: 1,2	Weichgeglüht 600 N/mm²	Härten in Öl, gebräuchliche Arbeitshärte 59-61 HRC. Kernfestigkeit ca. 1080 N/mm². Nitrieren nach allen Verfahren möglich jedoch nur im vergüteten Zustand üblich.
1.2311	40 Cr Mn Mo 7	C: 0,40 · Mn: 1,5 · Cr: 2,0 · Mo: 0,2	Vorvergütet auf 950-1100 N/mm² (280-325 HB)	Härten ist nicht üblich. In Ausnahmefällen Rücksprache mit der Härterei. Nitrieren zur Verbesserung der Verschleißfestigkeit nach allen bekannten Nitrierverfahren möglich.
1.2312	40 Cr Mn Mo S 8 6	C: 0,4 · Mn: 1,5 · S: 0,05-0,1 · Cr: 1,9 · Mo: 0,2	Vorvergütet auf 950-1100 N/mm² (300-345 HB)	Härten nicht üblich. In Ausnahmefällen in Luft oder Warmbad. Im Ölbad besteht Gefahr durch Spannungsrisse. Nitrieren nach allen bekannten Verfahren gut möglich, wegen Gefahr der Spannungsrissbildung langsames Abkühlen erforderlich.
1.2316	X 36 Cr Mo 17	C: 0,36 · Cr: 16,0 · Mo: 1,2 · Ni: ≤1	Vergütet 950-1100 N/mm² (280-320 HB)	Einsatz im Anlieferungszustand, d. h. vorvergütet mit 280-320 HB. Nitrieren verringert die Korrosionsbeständigkeit.
1.2343	X 38 Cr Mo V 5 1	C: 0,39 · Si: 1,1 · Cr: 5,2 · Mo: 1,5 · V: 0,4	Weichgeglüht mit max. 780 N/mm² (229 HB)	Härten in Öl, Luft oder Warmbad, gebräuchliche Arbeitshärte 30-53 HRC. Nitrieren nach allen bekannten Verfahren sehr gut möglich. Besonders vorteilhaft, wenn bei höchster Kernfestigkeit die Verschleißfestigkeit noch erhöht werden soll.

- Auf Wunsch liefern wir Stähle in allen gängigen Stahlqualitäten.

Werkstoffeigenschaften/Verwendung	Mat.-Nr.
Unlegierter Werkzeugstahl, Schalenhärter, harte Oberfläche, zäher Kern, gut zerspanbar. Für gering beanspruchte ungehärtete Bauteile und Platten für Spritzgieß-, Druckgieß-, Stanz-, Umformwerkzeuge und Vorrichtungen. Polieren nicht üblich. Ätzen, Narben, Strukturerodieren nicht üblich. Erodieren gut möglich.	1.1730
Hoch-Chromlegierter Werkzeugstahl mit größter Maßbeständigkeit und höchstem Verschleißwiderstand. Für Stempel und Schnittplatten für Hochleistungsschnitte, Druckleisten, Führungsleisten, Einsenkstempel und Schieber bei hoher Flächenbelastung. Polieren möglich, aber kein Hochglanz. Strukturerodieren nicht möglich, grobe Karbide werden ausgewaschen.	1.2080
Hohe Korrosionsbeständigkeit im gehärteten und angelassenen Zustand (250 °C) bei polierter Oberfläche. Noch gut zerspanbar. Verzugsarmer Durchhärter mit hoher Härteannahme und großem Verschleißwiderstand. Verwendung bei Formplatten und Formeinsätzen zur Verarbeitung von korrodierend wirkenden Kunststoffen und bei korrodierend wirkenden Kühlmedien. Im gehärteten Zustand gut zu polieren. Gute Eigenschaften beim Ätzen, Narben, Strukturerodieren. Erodieren möglich.	1.2083
Gleichmäßige Festigkeit über den Querschnitt. Hohe Druckbelastung. Geringe Instandhaltungskosten wegen Korrosionsbeständigkeit und Resistenz gegen aggressive Kunststoffe, Schwitzwasser, Dämpfe, Kühlkanäle usw. Gute Zähigkeitseigenschaften. Erodieren weniger geeignet, da Streifenbildung an der Oberfläche. Dieser Stahl empfiehlt sich, wenn die Zerspanbarkeit bei guter Korrosionsbeständigkeit im Vordergrund steht. Ideal für Formrahmen und Werkzeugaufbauten mit hohen Festigkeitsanforderungen ohne zusätzliche Wärmebehandlung.	~1.2085
Gleichmäßige Festigkeit über den Querschnitt. Hohe Druckbelastung. Geringe Instandhaltungskosten wegen Korrosionsbeständigkeit und Resistenz gegen aggressive Kunststoffe, Schwitzwasser, Dämpfe, Kühlkanäle usw. Gute Zähigkeitseigenschaften. Erodieren weniger geeignet, da Streifenbildung an der Oberfläche. Dieser Stahl empfiehlt sich, wenn die Zerspanbarkeit bei guter Korrosionsbeständigkeit im Vordergrund steht. Ideal für Formrahmen und Werkzeugaufbauten mit hohen Festigkeitsanforderungen ohne zusätzliche Wärmebehandlung.	~1.2099
Standard-Einsatzstahl, leicht zerspanbar. Werkzeuge für die Kunststoffverarbeitung z. B. Formeinsätze, Formplatten. Wird eingesetzt, wenn hohe Ansprüche an die Verschleißfestigkeit der Oberflächenhärte bei hoher Kernfestigkeit gestellt werden. Gute Polierbarkeit. Ätzen, Narben, Strukturerodieren für normale Anforderungen. Erodieren gut möglich. Hartverchromen gut möglich zur Erhöhung der Verschleißfestigkeit, hervorragender Oberflächenschutz gegen Korrosion bei der PVC-Verarbeitung.	1.2162
Narbungssicher, strukturerodierbar, gute Zähigkeit. Sehr gleichmäßige Härteverteilung bis zu großen Querschnitten von ca. ☐ 500 mm. Für Spritzgießwerkzeuge mit hohen Anforderungen an Festigkeit und Oberfläche. Keine anschließende Wärmebehandlung und kein damit verbundenes Härterisiko (z. B. Härteverzug). Sehr gut polierbar, auch hochglanzpolierfähig, jedoch bei höchsten Ansprüchen empfehlen wir unsere Einsatz- und Durchhärtestähle. Hervorragend zum Ätzen, Narben, Strukturerodieren geeignet. Beim Strukturerodieren muss intensive Spülung gewährleistet sein.	1.2311
Gute Zähigkeit und gute Zerspanung durch Schwefelzusatz. Für alle Spritz- und Druckgießwerkzeuge, bei denen Zerspanung im Vordergrund steht. Ideal für Formrahmen und Werkzeugaufbauten mit hohen Festigkeitsanforderungen ohne zusätzliche Wärmebehandlung. Nach großer Zerspanung Spannungsarmglühen empfohlen. Für techn. Polituren bedingt geeignet. Für hochwertige Polituren empfehlen wir Einsatz- und Durchhärtestähle. Ätzen, Narben, Strukturerodieren nicht zu empfehlen. Erodieren gut möglich, jedoch kann durch erhöhten Schwefelgehalt Streifenbildung auf der Oberfläche auftreten.	1.2312
Gute Korrosionsbeständigkeit besonders mit polierter Oberfläche. Für Werkzeuge wo korrodierend wirkende Einflüsse (z. B. Kunststoffe usw.) auftreten. Gute Polierbarkeit. Für Ätzen und Strukturerodieren gute Eigenschaften. Wird genarbt, empfehlen wir die EST-Qualität (bitte bei Bestellung angeben).	1.2316
Hohe Warmfestigkeit, höchste Zähigkeit bei hoher Einbauhärte. Sehr gute Wärmeleitfähigkeit, gut zerspanbar. Verwendung: Formplatten und für Druckgieß- und Spritzgieß- und Strangpresswerkzeuge. Auch in ESU (Elektro-Schlackenumschmelzverfahren) lieferbar. Die Polierbarkeit, Zähigkeit und Maßbeständigkeit nach dem Härten sowie die mechanischen Eigenschaften sind hierdurch verbessert. Aufgrund der Homogenität für Hochglanzpolituren sehr gut geeignet. Beste Eigenschaften beim Ätzen, Narben, Strukturerodieren. Erodieren gut möglich. Hartverchromen nicht üblich.	1.2343

Empfohlene Werkstoffe für Stanz- und Formwerkzeuge

● Die nachfolgenden Stähle sind Standardqualitäten.

Mat.-Nr.	Symbol	Richtanalyse %	Lieferfestigkeit	Härten/Nitrieren
1.2363	X 100 Cr Mo V 5-1	C 0,98 · Si 0,3 · Mn 0,5 · Cr 5,1 · S 1,0 · V 0,15	Weichgeglüht mit max. 800 N/mm² (240 HB)	Härten in Öl, Luft oder Warmbad, gebräuchliche Arbeitshärte 63-65 HRC. Nitrieren nicht üblich.
1.2379	X 155 Cr V Mo 12 1	C 1,55 · Cr 12,0 · Mo 0,7 · V 1,0	Weichgeglüht mit max. 860 N/mm² (255 HB)	Härten in Öl, Luft oder Warmbad, gebräuchliche Arbeitshärte 56-62 HRC. Nitrieren nach allen bekannten Verfahren sehr gut möglich, allerdings muss der Werkstoff sekundärgehärtet werden.
1.2436	X 210 Cr W 12	C 2,10 · Cr 12,0 · W 0,7	Weichgeglüht mit max. 860 N/mm² (255 HB)	Härten in Öl, Luft oder Warmbad, gebräuchliche Arbeitshärte 58-65 HRC. Nitrieren bedingt geeignet, wir empfehlen den Werkstoff 1.2379.
1.2767	X 45 Ni Cr Mo 4	C 0,45 · Cr 1,4 · Mo 0,3 · Ni 4,1	Weichgeglüht mit max. 880 N/mm² (262 HB)	Härten in Öl, Luft oder Warmbad, gebräuchliche Arbeitshärte ~52 HRC. Nitrieren möglich, jedoch nicht üblich wegen des Festigkeitsabfalles bei der Nitriertemperatur.
1.2842	90 Mn Cr V 8	C 0,90 · Mn 2,0 · Cr 0,4 · V 0,1	Weichgeglüht mit max. 770 N/mm² (229 HB)	Härten in Öl oder Warmbad, gebräuchliche Arbeitshärte 56-62 HRC. Üblicherweise wird dieser Werkstoff nicht nitriert. In diesem Fall empfehlen wir den Werkstoff 1.2379.
3.4365.7	Al Zn Mg Cu 1.5	Si 0,40 · Fe 0,50 · Cu 1,2-2,0 · Mn 0,30 · Mg 2,1-2,9 · Cr 0,18-0,28 · Zn 5,1-6,1 · Ti 0,20 · Ti + Zr 0,25	Gewalzt, warmausgehärtet, spannungsarmgereckt. Zugfestigkeit 480-530 N/mm²	

- Auf Wunsch liefern wir Stähle in allen gängigen Stahlqualitäten.

Werkstoffeigenschaften/Verwendung	Mat.-Nr.
Maßänderungsarmer, lufthärtbarer Kaltarbeitsstahl mit vorzüglicher Zähigkeit, hohem Verschleißwiderstand und guter Zerspanbarkeit. Verwendung für Schneid- und Stanzwerkzeuge und Scherenmesser.	**1.2363**
Lederburitischer Chromstahl, höchste Verschleißhärte, gute Zähigkeit, beste Schneidhaltigkeit und Anlassbeständigkeit. Hochleistungsschnittstahl, bruchempfindliche Schnitte, Scherenmesser, Press-, Zieh- und Biegewerkzeuge.	**1.2379**
Lederburitischer Chromstahl, hochverschleißfest, gute Zähigkeit, beste Schneidhaltigkeit, hohe Anlassbeständigkeit, verbesserte Härtbarkeit im Vergleich zu 1.2080. Verwendung für Schnitt-, Stanz-, Zieh-, Press-, Scher- und Biegewerkzeuge sowie Führungsleisten. Im gehärteten Zustand gut zu polieren. Ätzen, Narben, Strukturerodieren nicht üblich. Erodieren für größere Drahtschnitte nicht geeignet. Wir empfehlen in diesem Fall 1.2379. Hartverchromen nicht üblich.	**1.2436**
Luft- und Ölhärter, höchste Zähigkeit, maßbeständig, gleichmäßig durchhärtend. Formplatten und Formeinsätze für Spritzgießwerkzeuge, besonders für Hochglanzpolituren. Präge- und Biegewerkzeuge sowie alle Bauteile, für die hohe Druck- und Biegefestigkeit gefordert ist. Polieren ist aufgrund seiner chemischen Zusammensetzung und Homogenität für Hochglanzpolituren sehr gut geeignet. Beste Eignung zum Ätzen, Narben, Strukturerodieren aufgrund metallurgischer Eigenschaften. Hartverchromen gut möglich, die Verschleißfestigkeit wird erhöht, dadurch hervorragender Oberflächenschutz gegen Korrosion bei der PVC-Verarbeitung.	**1.2767**
Ölhärter mit einfacher Wärmebehandlung, besonders leichte Zerspanung, hohe Härteannahme, gute Maßbeständigkeit. Verwendung für Stanz-, Schnitt-, Tiefziehwerkzeuge, Stempel, Messer, Messwerkzeuge, Führungsleisten. Polieren nicht üblich. Ätzen, Narben, Strukturerodieren nicht üblich. Erodieren für größere Drahtschnitte nicht geeignet. In diesem Fall empfehlen wir den Werkstoff 1.2379. Hartverchromen nicht üblich.	**1.2842**
Höchstfester Aluminiumwerkstoff, optimale Wärmeleitfähigkeit, gute Bearbeitbarkeit (Spanen, Erodieren, Polieren), Gewichtseinsparung. Platten für Stanz- und Formwerkzeuge und für den Vorrichtungsbau.	**3.4365.7**

Korrosionsbeständige Standard-Stähle für Spritzgießwerkzeuge

	Mat.-Nr.	Symbol	Richtanalyse %	Lieferfestigkeit	Härten/Nitrieren
	1.2083	X 42 Cr 13	C: 0,42 / Cr: 13,0	Weichgeglüht mit max. 760 N/mm² (225 HB)	Härten im Warmbad oder Öl. Gebräuchliche Arbeitshärte 50-56 HRC. Nitrieren nicht üblich, da Beeinträchtigung der Einbauhärte und der Korrosionsbeständigkeit.
	~1.2085	X 33 Cr S 16	C: 0,3 / Si: 0,5 / Mn: 1,0 / Cr: 15,5 / S: 0,1	Vergütet auf 950-1100 N/mm² (280-320 HB)	Einsatz im Anlieferungszustand, d. h. vorvergütet mit 280-320 HB.
	1.2316	X 36 Cr Mo 17	C: 0,36 / Cr: 16 / Mo: 1,2 / Ni: ≤1	Vergütet auf 950-1100 N/mm² (280-320 HB)	Einsatz im Anlieferungszustand, d. h. vorvergütet mit 280-320 HB. Nitrieren verringert die Korrosionsbeständigkeit.

Auswahl korrosionsbeständiger Stähle für Spritzgießwerkzeuge, die wir auf Ihren Wunsch liefern.

M315 EXTRA			C: 0,05 / Si: 0,20 / Mn: 0,90 / Cr: ~13 / S: 0,12 / Ni: +	Vergütet auf 950-1100 N/mm² (280-320 HB)	Härten (falls höhere Festigkeit gewünscht): Temperatur 1050 °C, Haltezeit ca. 0,5 h, Abschreckmedium Öl.
Ramax® S	**~1.2085**	X 33 Cr S 16	C: 0,33 / Si: 0,35 / Mn: 1,35 / Cr: ~16,5 / S: 0,12	Vergütet auf ca. 1150 N/mm² (ca. 340 HB)	Härten: UDDEHOLM RAMAX® S ist normal nicht für eine Neuhärtung vorgesehen. Eine Neuhärtung kann nur dann vorgenommen werden, wenn vorher bei 750 °C/4 h weichgeglüht wurde.
ES Antikor S	**~1.2085 mod.**	X 33 Cr S 16	C: 0,3 / Si: 0,5 / Mn: 1,0 / Cr: 16 / S: 0,1	Vergütet auf 950-1100 N/mm² (280-320 HB)	Üblicherweise wird der Werkstoff ES Antikor S im Anlieferungszustand eingesetzt. Eine erneute Wärmebehandlung ist nicht zu empfehlen.
ES Antikor SL			C: 0,04 / Mn: 1,2 / S: 0,12 / Cr: 13	Vergütet auf ca. 950-1100 N/mm² (280-325 HB)	Wird im vergüteten Zustand von ca. 320 HB geliefert.
M340 ISOPLAST			C: 0,54 / Cr: ~17,5 / Mo: 1,1 / V+N: 0,1	Weichgeglüht mit max. 880 N/mm² (260 HB)	Einbauhärte: 53-58 HRC.
Plast 1			C: 0,045 / Si: 0,40 / Mn: 1,30 / Cr: ~12,5 / S: 0,15	Vergütet auf ca. 1100 N/mm² (ca. 320 HB)	Wird im vergüteten Zustand von ca. 320 HB geliefert.
M333 ISOPLAST			C: 0,28 / Si: 0,3 / Mo: 0,3 / Cr: 13,5	Weichgeglüht mit max. 730 N/mm² (ca. 220 HB)	Einbauhärte: max. 52 HRC.

Werkstoffeigenschaften/Verwendung	Mat.-Nr.
Hohe Korrosionsbeständigkeit im gehärteten und angelassenen Zustand (250 °C) bei polierter Oberfläche. Noch gut zerspanbar. Verzugsarmer Durchhärter mit hoher Härteannahme und großem Verschleißwiderstand. Verwendung bei Formplatten und Formeinsätzen zur Verarbeitung von korrodierend wirkenden Kunststoffen und bei korrodierend wirkenden Kühlmedien. Im gehärteten Zustand gut zu polieren. Gute Eigenschaften beim Ätzen, Narben, Strukturerodieren. Erodieren möglich.	**1.2083**
Gleichmäßige Festigkeit über den Querschnitt. Hohe Druckbelastung. Geringe Instandhaltungskosten wegen Korrosionsbeständigkeit und Resistenz gegen aggressive Kunststoffe, Schwitzwasser, Dämpfe, Kühlkanäle usw. Gute Zähigkeitseigenschaften. Erodieren weniger geeignet, da Streifenbildung an der Oberfläche. Dieser Stahl empfiehlt sich, wenn die Zerspanbarkeit bei guter Korrosionsbeständigkeit im Vordergrund steht. Ideal für Formrahmen und Werkzeugaufbauten mit hohen Festigkeitsanforderungen ohne zusätzliche Wärmebehandlung.	**~1.2085**
Gute Korrosionsbeständigkeit besonders mit polierter Oberfläche. Für Werkzeuge wo korrodierend wirkende Einflüsse (z. B. Kunststoffe usw.) auftreten. Gute Polierbarkeit. Für Ätzen und Strukturerodieren gute Eigenschaften. Wird genarbt, empfehlen wir die EST-Qualität (bitte bei Bestellung angeben).	**1.2316**

Nicht aufgeführte Stahlqualitäten Ihrer Wahl fragen Sie bitte an.

BÖHLER M315 EXTRA ist ein korrosionsbeständiger Formrahmenstahl mit ***wesentlich verbesserter Zerspanbarkeit gegenüber allen 1.2085-Typen***. Verwendung findet BÖHLER M315 EXTRA bei allen Formenrahmen, Formenaufbauten, Werkzeugen mit hohem Zerspanvolumen und bei der Herstellung korrosionsbeständiger Werkzeuge sowie einfachen Bauteilen. Die Korrosionsbeständigkeit ist mit allen 1.2085-Typen vergleichbar.	
UDDEHOLM RAMAX® S ist ein gegen Wasser korrosionsbeständiger Formenaufbaustahl. Wir haben ihn für Sie bereits wärmebehandelt. Er ist sofort einsatzbereit und für einfache Kunststoffformen mit geringen Anforderungen an die Oberfläche verwendbar. Gute Zerspanbarkeit (für einen Cr-Stahl). Gegen Wasser korrosionsbeständig. Gleichmäßige Härte in allen Querschnitten.	**~1.2085**
Korrosionsbeständiger Stahl mit deutlich verbesserter Zerspanbarkeit gegenüber Werkstoff 1.2316. Formrahmen, Werkzeuge zur Verarbeitung von korrodierend wirkenden Kunststoffen. Dieser Stahl empfiehlt sich, wenn die Zerspanbarkeit bei guter Korrosionsbeständigkeit im Vordergrund steht. Üblicherweise wird der Werkstoff ES Antikor S im Anlieferungszustand eingesetzt. Eine erneute Wärmebehandlung ist nicht zu empfehlen. ES Antikor S eignet sich nur für technische Polituren. Ansonsten empfehlen wir ES Antikor in EST-Güte.	**~1.2085 mod.**
Hervorragende Zerspanungseigenschaften. Gute Korrosionsbeständigkeit. Gleichmäßige und gleich bleibende Härte in allen Dimensionen. Gute Eindruckbeständigkeit (Druckfestigkeit). Hervorragende Dehnbarkeit. Hervorragende Ebenheit. Formbeständigkeit. Glattheit wie bei gewalzten Oberflächen. Hervorragende Schweißbarkeit. Gute thermische Leitfähigkeit. Anwendungen: Kunststoffspritzgussform-Aufbauten, Kunststoff- und Gummispritzgussformen mit geringen Anforderungen an Polierfähigkeit, Konstruktionsteile, Kunststoffextrusion.	
Sonderstahl in ESU-Ausführung mit hervorragenden Korrosionseigenschaften, z. B. in Salzwasser, gut härtbar, maßstabil beim Härten, hochverschleißfest und schneidhaltig, gute Zerspan- und Polierbarkeit. Für Maschinenmesser in der Fisch- und Lebensmittelindustrie, Ventile, Pumpen, Wälzlager, Werkzeuge in der Kunststoffverarbeitung.	
Martensitischer Kunststoffformenstahl mit guter Korrosionsbeständigkeit dank hohen Chromgehaltes. Lieferung im vergüteten Zustand mit ca. 1100 N/mm² Festigkeit, daher Entfall der aufwändigen Wärmebehandlung und verbesserte Formstabilität bei großem Zerspanvolumen. Gleichmäßige Härte auch bei großen Querschnitten. Sehr gute Zerspanbarkeit. Die hohe Wärmeleitfähigkeit ermöglicht kurze Produktionszyklen. Sehr gute Schweißbarkeit aufgrund des sehr niedrigen Kohlenstoffgehaltes (Entfall der Werkzeugvorwärmung).	
Besonders geeignet für Formeinsätze wo Korrosionsbeständigkeit und Härte verlangt wird. Sehr gute Korrosionsbeständigkeit. Optimale Hochglanzpolierbarkeit. Sehr gute Zähigkeit und Härte. Verbesserte Wärmeleitfähigkeit – kürzere Zykluszeiten. Aufgrund des Reinheitsgrades gute Erodierbarkeit.	

Recommended materials for stamping- and moulding tools

● The following steels are standard qualities.

Mat. No.	Symbol	Typical analysis in %	As-delivered strength	Hardening/Nitriding
1.1730	C 45 W	C: 0.45; Si: 0.3; Mn: 0.7	Annealed, strength approx. 650 N/mm²	Hardening not common, since there is the risk of stress cracking and excessive distortion on hardening, consequently it should only be used in exceptional cases. Nitriding not common.
1.2080	X 210 Cr 12	C: 2.1; Si: 0.3; Mn: 0.3; Cr: 12.0	Soft-annealed with max. 800 N/mm² (250 HB)	Hardening: 930-960 °C oil or 950-980 °C air. Usual working hardness 50-56 HRC. Nitriding not common, since installation hardness and corrosion resistance are impaired.
1.2083	X 42 Cr 13	C: 0.42; Cr: 13.0	Soft-annealed with max. 760 N/mm² (225 HB)	Hardening in hot bath or oil, Usual working hardness 50-56 HRC. Nitriding not common, since the installation hardness and corrosion resistance are impaired.
~1.2085	X 33 Cr S 16	C: 0.3; Si: 0.5; Mn: 1.0; Cr: 15.5; S: 0.1	Tempered to 950-1100 N/mm² (280-320 HB)	Used in the delivered state, i.e. pre-tempered to 280-320 HB.
~1.2099		C: 0.05; Si: 0.2; Mn: 0.9; Cr: 12.8; S: 0.12; Ni: 0.4	Pre-tempered to ~1000 N/mm² (280-320 HB)	Used in the delivered state, i.e. pre-tempered to 280–320 HB.
1.2162	21 Mn Cr 5	C: 0.21; Mn: 1.3; Cr: 1.2	Soft-annealed 600 N/mm²	Hardening in oil, usual working hardness 59-61 HRC. Core strength approx. 1080 N/mm². Nitriding possible according to all methods, but usually carried out only in the tempered state.
1.2311	40 Cr Mn Mo 7	C: 0.40; Mn: 1.5; Cr: 2.0; Mo: 0.2	Pre-tempered to 950-1100 N/mm² (280-325 HB)	Hardening is not common. In exceptional cases, consult the heat-treating department. Nitriding for improving the wear resistance possible according to all known nitriding methods.
1.2312	40 Cr Mn Mo S 8 6	C: 0.4; Mn: 1.5; S: 0.05-0.1; Cr: 1.9; Mo: 0.2	Pre-tempered to 950-1100 N/mm² (300-345 HB)	Hardening not common. In exceptional cases, in air or hot bath. In the oil bath there is a risk due to stress cracks. Nitriding readily possible according to all known methods, slow cooling required on account of the risk of stress cracking.
1.2316	X 36 Cr Mo 17	C: 0.36; Cr: 16.0; Mo: 1.2; Ni: ≤1	Tempered 950-1100 N/mm² (280-320 HB)	Used in the delivered state, i.e. pre-tempered to 280-320 HB. Nitriding reduces the corrosion resistance.
1.2343	X 38 Cr Mo V 5 1	C: 0.39; Si: 1.1; Cr: 5.2; Mo: 1.5; V: 0.4	Soft-annealed with max. 780 N/mm² (229 HB)	Hardening in oil, air or hot bath, usual working hardness 30-53 HRC. Nitriding readily possible according to all known methods. Especially advantageous if the wear resistance is to be increased further at maximum core strength.

- If desired we deliver steel in all popular steel qualities.

Material properties/Application	Mat. No.
Non-alloyed tool steel, casehardened steel, hard surface, tough core, readily machinable . For unhardened components and plates subjected to low stress for injection-moulding, diecasting, blanking, metal-forming tools and jigs and fixtures. Polishing not common. Etching, embossing, structure eroding not common. Eroding readily possible.	1.1730
High-chromium-alloy tool steel with great dimensional stability and maximum wear resistance. For punches and die plates for high-speed cuts, pressure strips, guide strips, hobs and slides under high surface loading. Polishing possible but no mirror finish. Structure eroding not possible, coarse carbides are washed out.	1.2080
High corrosion resistance in the hardened and annealed state (250 °C) with polished surface. Still readily machinable. Low-distortion through-hardening steel with high hardenability and great wear resistance. Used in mould plates and mould inserts for processing plastics having a corroding action and cooling media having a corroding action. Can be readily polished in the hardened state. Good properties when etching, embossing, structure eroding. Eroding possible.	1.2083
Uniform strength over the cross section. High compressive loading. Low maintenance costs on account of corrosion resistance and resistance to aggressive plastics, condensation water, vapours, cooling ducts, etc. Good toughness properties. Less suitable for eroding, since striation occurs on the surface. This steel is advisable if machinability with good corrosion resistance is an important factor. Ideal for mould frames and tool top parts with high strength requirements without additional heat treatment.	~1.2085
Uniform strength over the cross section. High compressive loading. Low maintenance costs on account of corrosion resistance and resistance to aggressive plastics, condensation water, vapours, cooling ducts, etc. Good toughness properties. Less suitable for eroding, since striation occurs on the surface. This steel is advisable if machinability with good corrosion resistance is an important factor. Ideal for mould frames and tool top parts with high strength requirements without additional heat treatment.	~1.2099
Standard case hardening steel, easily machinable. Tools for plastics processing, e.g. mould inserts, mould plates. Used when high requirements are imposed on the wear resistance of the surface hardness at high core strength. Good polishing capacity. Etching, embossing, structure eroding for normal requirements. Eroding readily possible. Hard chromium plating readily possible for increasing the wear resistance, excellent surface protection against corrosion in PVC processing.	1.2162
Resistant to pitting, structure eroding possible, good toughness. Very uniform hardness distribution up to large cross sections of about ☐ 500 mm. For injection-moulding tools with high requirements as regards strength and surface. No subsequent heat treatment and no hardness risk associated therewith (e.g. distortion on hardening). Can be polished very effectively, also capable of taking a mirror finish; but for the most stringent requirements we recommend our case-hardening and through-hardening steels. Outstandingly suitable for etching, embossing, structure eroding. Intensive rinsing must be ensured for structure eroding.	1.2311
Good toughness and good machining due to sulphur addition. For all injection-moulding and diecasting tools in which machining is prominent. Ideal for mould frames and tool top parts with high strength requirements without additional heat treatment. Stress-free annealing recommended after considerable machining. Suitable for technical polishing to a limited extent. For high-grade polishing, we recommend case-hardening and through-hardening steels. Etching, embossing, structure eroding are not to be recommended. Eroding readily possible, but striation may occur on the surface due to increased sulphur content.	1.2312
Good corrosion resistance especially with polished surface. For tools where corrosive effects occur (e.g. plastics, etc.). Good polishing capacity. Good properties for etching and structure eroding. If embossing is carried out, we recommend the EST quality (please specify when ordering).	1.2316
High hot strength, maximum toughness with high installation hardness. Very good thermal conductivity, readily machinable. Use: Mould plates and for diecasting, injection-moulding and extrusion tools. Can also be supplied in the electroslag remelted form. The polishing capacity, toughness and dimensional stability after the hardening as well as the mechanical properties are thereby improved. Very suitable for mirror finishes on account of the homogeneity. Best properties during etching, embossing, structure eroding. Eroding readily possible. Hard chromium plating not common, possible application must be agreed with the chrome-plating plant.	1.2343

Recommended materials for stamping- and moulding tools

● The following steels are standard qualities.

Mat. No.	Symbol	Typical analysis in %	As-delivered strength	Hardening/Nitriding
1.2363	X 100 Cr Mo V 5-1	C: 0.98 · Si: 0.3 · Mn: 0.5 · Cr: 5.1 · S: 1.0 · V: 0.15	Soft-annealed with max. 800 N/mm² (240 HB)	Hardening in oil, air or hot bath, usual working hardness 63-65 HRC. Nitriding not common.
1.2379	X 155 Cr V Mo 12 1	C: 1.55 · Cr: 12.0 · Mo: 0.7 · V: 1.0	Soft-annealed with max. 860 N/mm² (255 HB)	Hardening in oil, air or hot bath, usual working hardness 56-62 HRC. Nitriding very readily possible according to all known methods, although the material must be subjected to secondary hardening.
1.2436	X 210 Cr W 12	C: 2.10 · Cr: 12.0 · W: 0.7	Soft-annealed with max. 860 N/mm² (255 HB)	Hardening in oil, air or hot bath, usual working hardness 58-65 HRC. Nitriding suitable to a limited extent, we recommend the material 1.2379.
1.2767	X 45 Ni Cr Mo 4	C: 0.45 · Cr: 1.4 · Mo: 0.3 · Ni: 4.1	Soft-annealed with max. 880 N/mm² (262 HB)	Hardening in oil, air or hot bath, usual working hardness ~52 HRC. Nitriding possible, but not common on account of the drop in strength at the nitriding temperature.
1.2842	90 Mn Cr V 8	C: 0.90 · Mn: 2.0 · Cr: 0.4 · V: 0.1	Soft-annealed with max. 770 N/mm² (229 HB)	Hardening in oil or hot bath, usual working hardness 56-62 HRC. Normally this material is not nitrided. In this case we recommend the material 1.2379.
3.4365.7	Al Zn Mg Cu 1.5	Si: 0.40 · Fe: 0.50 · Cu: 1.2-2.0 · Mn: 0.30 · Mg: 2.1-2.9 · Cr: 0.18-0.28 · Zn: 5.1-6.1 · Ti: 0.20 · Ti + Zr: 0.25	Rolled, artificially aged, stretched for sterss relief. Tensile strength 480-530 N/mm²	

- If desired we deliver steel in all popular steel qualities.

Material properties/Application	Mat. No.
Cold working steel with low dimension modification which can be air-hardened with excellent toughness, high wear resistance and good cutting property. Utilisation for cutting- and stamping tools and for shear blades.	1.2363
Lederburitic chromium steeel, maximum wear hardness, good toughness, best edge-holding property and retention of hardness. High-speed cutting steel, fracture-sensitive cutting dies, shear blades, pressing, drawing and bending tools.	1.2379
Lederburitic chromium steel, highly wear-resistant, good toughness, best edge-holding property, high retention of hardness, improved hardenability compared with 1.2080. Used for cutting, punching, drawing, pressing, shearing and bending tools as well as guide strips. Readily polished in the hardened state. Etching, embossing, structure eroding not common. Not suitable for eroding for larger wire cuts. In this case, we recommend 1.2379. Hard chromium plating not common.	1.2436
Air and oil hardening steel, maximum toughness, dimensionally stable, uniformly through-hardening. Mould plates and mould inserts for injection-moulding tools, especially for mirror finishes. Embossing and bending tools as well as all components which call for high compressive and bending strength. Polishing for mirror finishes is very highly suitable on account of its chemical composition and homogeneity. Ideally suitable for etching, embossing, structure eroding on account of metallurgical properties. Hard chromium plating readily possible, the wear resistance is increased, consequently excellent surface protection against corrosoion in PVC processing.	1.2767
Oil hardening steel with simple heat treatment, especially easy machining, high hardenability, good dimensional stability. Used for punching, cutting, deep-drawing tools, punches, blades, measuring tools, guide strips. Polishing not common. Etching, embossing, structure eroding not common. Eroding not suitable for larger wire cuts. In this case we recommend the material 1.2379. Hard chromium plating not common.	1.2842
Highest-strength aluminium material, optimum thermal conductivity, good workability (machining, eroding, polishing), weight saving. Plates for press and forming tools and for the construction of jigs and fixtures.	3.4365.7

Corrosion resistant standard steels for injection moulds

	Mat. No.	Symbol	Typical analysis in %	As-delivered strength	Hardening/Nitriding
	1.2083	X 42 Cr 13	C: 0.42; Cr: 13.0	Soft-annealed with max. 760 N/mm² (225 HB)	Hardening in hot bath or oil, Usual working hardness 50-56 HRC. Nitriding not common, since the installation hardness and corrosion resistance are impaired.
	~1.2085	X 33 Cr S 16	C: 0.3; Si: 0.5; Mn: 1.0; Cr: 15.5; S: 0.1	Tempered 950-1100 N/mm² (280-320 HB)	Used in the delivered state, i.e. pre-tempered to 280-320 HB.
	1.2316	X 36 Cr Mo 17	C: 0.36; Cr: 16; Mo: 1.2; Ni: ≤1	Tempered 950-1100 N/mm² (280-320 HB)	Used in the delivered state, i.e. pre-tempered to 280-320 HB. Nitriding reduces the corrosion resistance.

Selection of corrosion resistant steels for injection moulds, which we deliver if desired by you.

M315 EXTRA			C: 0.05; Si: 0.20; Mn: 0.90; Cr: ~13; S: 0.12; Ni: +	Tempered 950-1100 N/mm² (280-320 HB)	Hardening (if a higher strength is desired): Temperature 1050°, holding time approximately 0.5 h, quenching medium oil.
Ramax® S	**~1.2085**	X 33 Cr S 16	C: 0.33; Si: 0.35; Mn: 1.35; Cr: ~16.5; S: 0.12	Tempered ca. 1150 N/mm² (ca. 340 HB)	Hardening: UDDEHOLM RAMAX® S is not normally provided for a new hardening. A new hardening can only be carried out if the material has been annealed before at 750 °C/4 h.
ES Antikor S	**~1.2085 mod.**	X 33 Cr S 16	C: 0.3; Si: 0.5; Mn: 1.0; Cr: 16; S: 0.1	Tempered 950-1100 N/mm² (280-320 HB)	Generally the material ES Antikor S is used in the delivered state. A restarted heat treatment is inadvisable.
ES Antikor SL			C: 0.04; Mn: 1.2; S: 0.12; Cr: 13	Tempered ca. 950-1100 N/mm² (280-325 HB)	Is delivered in the tempered condition of approximately 320 HB.
M340 ISOPLAST			C: 0.54; Cr: ~17.5; Mo: 1.1; V+N: 0.1	Soft-annealed with max. 880 N/mm² (260 HB)	Assembly hardness: 53-58 HRC
Plast 1			C: 0.045; Si: 0.40; Mn: 1.30; Cr: ~12.5; S: 0.15	Tempered ca. 1100 N/mm² (ca. 320 HB)	Is delivered in the tempered condition of approximately 320 BH.
M333 ISOPLAST			C: 0.28; Si: 0.3; Mo: 0.3; Cr: 13.5	Soft-annealed with max. 730 N/mm² (ca. 220 HB)	Assembly hardness: max. 52 HRC.

Material properties/Application	Mat. No.
High corrosion resistance in the hardened and annealed state (250 °C) with polished surface. Still readily machinable. Low-distortion through-hardening steel with high hardenability and great wear resistance. Used in mould plates and mould inserts for processing plastics having a corroding action and cooling media having a corroding action. Can be readily polished in the hardened state. Good properties when etching, embossing, structure eroding. Eroding possible.	**1.2083**
Uniform strength over the cross section. High compressive loading. Low maintenance costs on account of corrosion resistance and resistance to aggressive plastics, condensation water, vapours, cooling ducts, etc. Good toughness properties. Less suitable for eroding, since striation occurs on the surface. This steel is advisable if machinability with good corrosion resistance is an important factor. Ideal for mould frames and tool top parts with high strength requirements without additional heat treatment.	**~1.2085**
Good corrosion resistance especially with polished surface. For tools where corrosive effects occur (e.g. plastics, etc.). Good polishing capacity. Good properties for etching and structure eroding. If embossing is carried out, we recommend the EST quality (please specify when ordering).	**1.2316**

Please inquire desired steel qualities, which are not mentioned.

BÖHLER M 315 EXTRA is a corrosion resistant plastic mould steel ***with a machinability which has considerably been improved compared with all 1.2085 types.*** The BÖHLER M 315 EXTRA is used at all cavity retainers, mould built-ups, moulds with a high removal volume and at the production of corrosion resistant moulds as well as at the production of simple components. The corrosion resistance can be compared with all 1.2085 types.	
UDDEHOLM RAMAX® S is an against water corrosion resistant holder steel. We have already tempered it for you. It can directly be used and is applicable for simple plastic moulds with little requirements to the surface. Good machinability (for a Cr-steel). Corrosion resistant against water. Constant hardness in all cross sections.	**~1.2085**
Corrosion resistant steel with machinability which has considerably been improved compared with the material 1.2316. Cavity retainers, moulds for the machining of plastics which have a corrosive effect. This steel is recommended if the machinability at good corrosion resistance comes to the fore. Generally the material ES Antikor S in the delivered state is used. A new heat treatment is inadvisable. ES Antikor is only suited for technical polishes. Otherwise we recommend ES Antikor in EST-quality.	**~1.2085 mod.**
Excellent machinability properties. Good corrosion resistance. Constant and unchanging hardness in all dimensions. Good impression resistance (resistance to pressure). Excellent extensibility. Excellent evenness. Deformation resistance. Smoothness like at rolled surfaces. Excellent weldability. Good thermal conductibility. Applications: plastic injection-moulding built-ups, plastic and rubber injection moulds with little requirements to the polishing capacity, construction parts, plastic extrusion.	
Special steel in ESU-execution with excellent corrosion properties, for example in salt-water, good temperable, permanent to dimension at the hardening, highly wear-resistant and with a good edge-holding property, good machinability and polishing ability. For machine knifes in the fish- and food industry, valves, pumps, roller bearings, moulds in the plastics processing.	
Martensitic plastic mould steel with good corrosion resistance thanks of the high content of chrome. Delivery in tempered condition with a strength of about 1100 N/mm², therefore omission of the extensive heat treatment and improved form stability at great removal volume. Constant hardness also at great cross-sections. Very good machinability. The high heat conductance allows short production cycles. Very good weldability because of the very low carbon content (omission of the preheating of the mould).	
Particularly suited for mould inserts where corrosion resistance and hardness is required. Very good corrosion resistance. Optimal mirror finish buffability. Very good toughness and hardness. Improved heat conductance – shorter cycle times. Because of the high cleanliness good eroding possible.	

Matériaux recommandés pour des outils de decoupage et des outils de formage

Mat. Nr	Symbole	Composition %	Etat de livraison	Trempe/Nitruration
1.1730	C 45 W	C: 0,45 · Si: 0,3 · Mn: 0,7	Recuit, résistance env. 650 N/mm²	N'est pas destiné à la trempe, sauf dans des cas d'exception: risque de tapures et de déformation excessive à la trempe. Nitruration sans utilité pratique.
1.2080	X 210 Cr 12	C: 2,1 · Si: 0,3 · Mn: 0,3 · Cr: 12,0	Recuit doux avec max. 800 N/mm² (250 HB)	Trempe : 930-960 °C huile ou 950-980 °C air. Dureté d'utilisation habituelle 50-56 HRC. Ne convient pas pour la nitruration (diminution de la dureté et tenue à la corrosion).
1.2083	X 42 Cr 13	C: 0,42 · Cr: 13,0	Recuit doux avec max. 760 N/mm² (225 HB)	Trempe au bain chaud ou à l'huile. Dureté d'utilisation habituelle 50-56 HRC. Ne convient pas pour la nitruration (diminution de la dureté et tenue à la corrosion).
~1.2085	X 33 Cr S 16	C: 0,3 · Si: 0,5 · Mn: 1,0 · Cr: 15,5 · S: 0,1	Traité à 950-1100 N/mm² (280-320 HB)	Utilisation à l'état de livraison, soit prétraité avec 280-320 HB.
~1.2099		C: 0,05 · Si: 0,2 · Mn: 0,9 · Cr: 12,8 · S: 0,12 · Ni: 0,4	Prétraité à ~1000 N/mm² (280-320 HB)	Utilisation à l'état de livraison, soit prétraité avec 280-320 HB.
1.2162	21 Mn Cr 5	C: 0,21 · Mn: 1,3 · Cr: 1,2	Recuit doux 600 N/mm²	Trempe à l'huile, dureté d'utilisation habituelle 59-61 HRC. Résistance à coeur env. 1080 N/mm². Nitruration selon tous procédés, mais de préférence à l'état traité.
1.2311	40 Cr Mn Mo 7	C: 0,40 · Mn: 1,5 · Cr: 2,0 · Mo: 0,2	Prétraité à 950-1100 N/mm² (280-325 HB)	Ne convient pas pour la trempe. Pour des exceptions, nous consulter. Possibilité de nitruration selon tous procédés pour améliorer la résistance à l'usure.
1.2312	40 Cr Mn Mo S 8 6	C: 0,4 · Mn: 1,5 · S: 0,05-0,1 · Cr: 1,9 · Mo: 0,2	Prétraité à 950-1100 N/mm² (300-345 HB)	N'est pas destiné à la trempe. Exceptionnellement trempe à l'air ou au bain chaud. Risque de tapures à la trempe à l'huile. Bonne aptitude à la nitruration selon tous procédés, mais refroidir lentement pour éviter les tapures.
1.2316	X 36 Cr Mo 17	C: 0,36 · Cr: 16,0 · Mo: 1,2 · Ni: ≤1	Traité à 950-1100 N/mm² (280-320 HB)	Emploi à l'état de livraison, soit prétraité avec 280-320 HB. La nitruration diminue la tenue à la corrosion.
1.2343	X 38 Cr Mo V 5 1	C: 0,39 · Si: 1,1 · Cr: 5,2 · Mo: 1,5 · V: 0,4	Recuit doux avec max. 780 N/mm² (229 HB)	Trempe à l'huile, à l'air ou au bain chaud, dureté d'utilisation habituelle 30-53 HRC. Très bonne aptitude à la nitruration selon tous procédés, permettant, avec une résistance à coeur très élevée, d'augmenter encore la résistance à l'usure.

- Les aciers suivants sont des qualités de standard.
- Sur demande nous livrons des aciers dans toutes les qualités d'acier courantes.

Propriétés/Utilisation	Mat. Nr
Acier à outils non allié, surface dure, coeur tenace. Bonne usinabilité par enlèvement de copeaux. Pour éléments et plaques non trempés et peu sollicités pour moules, outillages et appareillages. Polissage, gravure chimique, grainage chimique ou électro-érosif sans utilité. Bonne usinabilité par étincelage.	**1.1730**
Acier à outils hautement allié au chrome avec constance dimensionnelle et résistance à l'usure maximales. Pour poinçons et matrices de découpage de grand rendement, plaques de choc, de frottement, poinçons de matriçage et tiroirs soumis à des pressions importantes Polissage possible, mais pas de poli brillant. Inapte au grainage électro-érosif, (enlèvement des gros carbures).	**1.2080**
Haute résistance à la corrosion à l'état trempé et revenu (250 °C) avec surface polie. Encore facile à usiner par enlèvement de copeaux. Bonne trempabilité à coeur avec déformation minime et grande résistance à l'usure. Pour porte-empreintes et empreintes de moules pour le travail de plastiques à action corrosive et avec fluides refroidisseurs corrosifs. Bonne aptitude au polissage à l'état trempé. Bonne aptitude à la gravure chimique, au grainage chimique et électro-érosif. Usinage par étincelage possible.	**1.2083**
Résistance homogène sur toute la section. Résiste aux hautes pressions. Entretien réduit dû à la tenue à la corrosion et à la résistance aux plastiques agressifs, eaux de condensation, vapeurs, canaux de refroidissement, etc. Bonnes propriétés de ténacité. Convient moins pour l'usinage par étincelage (formation de stries en surface). Acier recommandé pour les emplois exigeant une grande facilité d'usinage avec bonne tenue à la corrosion. Pour carcasses et éléments d'outils avec hautes exigences à la résistance sans traitement thermique supplémentaire.	**~1.2085**
Résistance homogène sur toute la section. Résiste aux hautes pressions. Entretien réduit dû à la tenue à la corrosion et à la résistance aux plastiques agressifs, eaux de condensation, vapeurs, canaux de refroidissement, etc. Bonnes propriétés de ténacité. Convient moins pour l'usinage par étincelage (formation de stries en surface). Acier recommandé pour les emplois exigeant une grande facilité d'usinage avec bonne tenue à la corrosion. Pour carcasses et éléments d'outils avec hautes exigences à la résistance sans traitement thermique supplémentaire.	**~1.2099**
Acier standard de cémentation, facilement usinable. Pour outils travaillant les plastiques, p. ex. empreintes rapportées et porte-empreintes. Pour hautes exigences à la résistance à l'usure de la surface avec haute résistance à coeur. Bonne aptitude au polissage. Possibilité de gravure chimique, grainage chimique ou électro-chimique pour exigences habituelles. Bonne aptitude à l'usinage par étincelage. Chromage dur possible pour augmenter la tenue à l'usure et à la corrosion pour le travail du PVC.	**1.2162**
Aptitude au grainage chimique et électro-érosif, bonne ténacité. Répartition très régulière de la dureté jusqu'aux sections d'env. ⌀ 500 mm. Pour moules à injection à hautes exigences à la résistance et surface. Pas de traitement thermique ultérieur, donc absence de tout risque de trempe (p. ex. tapures). Très bonne aptitude au polissage, même au poli brillant; pour les exigences très élevées nous recommandons nos aciers de cémentation ou trempant à coeur. Excellente possibilité de gravure chimique, de grainage chimique ou électro-érosif (prévoir un rinçange abondant).	**1.2311**
Bonne ténacité et facilité d'usinage par addition de soufre. Pour tous moules à injection et moulage sous pression où l'usinage par enlèvement de copeaux est primordial. Pour carcasses et éléments d'outillages à hautes exigences à la résistance sans traitement thermique supplémentaire. Après un usinage important, effectuer un recuit de détente. Possibilité de polissage, mais pour des exigences très élevées nous recommandons des aciers de cémentation ou trempants. Convient peu pour gravure chimique, grainage chimique ou électro-érosif. Bonne usinabilité par étincelage, mais formation de stries possible.	**1.2312**
Bonne tenue à la corrosion, surtout avec surface polie. Pour outils soumis à des actions corrosives (p. ex. matières plastiques, etc.). Bonne aptitude au polissage. Bonne possibilité de gravure chimique et de grainage électro-corrosif. Pour le grainage chimique, nous recommandons la qualité ESU.	**1.2316**
Haute résistance à chaud, très grande ténacité, dureté d'utilisation élevée. Très bonne conductibilité thermique, usinable par enlèvement de copeaux. Pour plaques porte-empreintes, moules à injection, moulage sous pression, outils d'extrusion. Egalement disponible en qualité ESU (refusion sous laitier électro-conducteur) avec amélioration de l'aptitude au polissage, de la ténacité et constance dimensionnelle après trempe. Très bonne aptitude au poli brillant. Grande facilité de gravure chimique, grainage chimique ou électro-corrosif. Bonne usinabilité par étincelage. N'est pas destiné au chromage dur.	

Matériaux recommandés pour des outils de decoupage et des outils de formage

Mat. Nr	Symbole	Composition %	Etat de livraison	Trempe/Nitruration
1.2363	X 100 Cr Mo V 5-1	C 0,98 · Si 0,3 · Mn 0,5 · Cr 5,1 · S 1,0 · V 0,15	Recuit doux avec max. 800 N/mm² (240 HB)	Trempe à l'huile, à l'air ou au bain chaud, dureté d'utilisation habituelle 63-65 HRC. Nitruration sans utilité pratique.
1.2379	X 155 Cr V Mo 12 1	C 1,55 · Cr 12,0 · Mo 0,7 · V 1,0	Recuit doux avec max. 860 N/mm² (255 HB)	Trempe à l'huile, à l'air ou au bain chaud, dureté d'utilisation habituelle 56-62 HRC. Très bonneaptitude à la nitruration selon tous procédés, mais trempe secondaire requise.
1.2436	X 210 Cr W 12	C 2,10 · Cr 12,0 · W 0,7	Recuit doux avec max. 860 N/mm² (255 HB)	Trempe à l'huile, à l'air ou au bain chaud, dureté d'utilisation 58-65 HRC. Aptitude relative à la nitruration; nous recommandons le 1.2379.
1.2767	X 45 Ni Cr Mo 4	C 0,45 · Cr 1,4 · Mo 0,3 · Ni 4,1	Recuit doux avec max. 880 N/mm² (262 HB)	Trempe à l'huile, à l'air ou au bain chaud, dureté d'utilisation habituelle ~52 HRC. Nitruration possible mais exceptionnelle (diminution de la résistance à la tempé-rature de nitruration).
1.2842	90 Mn Cr V 8	C 0,90 · Mn 2,0 · Cr 0,4 · V 0,1	Recuit doux avec max. 770 N/mm² (229 HB)	Trempe à l'huile ou au bain chaud, dureté d'utilisation habituelle 56-62 HRC. Ce matériau n'estpas destiné à la nitruration et ne convient pas pour ce traitement. Dans ce cas, nous recommandons le 1.2379.
3.4365.7	Al Zn Mg Cu 1.5	Si 0,40 · Fe 0,50 · Cu 1,2-2,0 · Mn 0,30 · Mg 2,1-2,9 · Cr 0,18-0,28 · Zn 5,1-6,1 · Ti 0,20 · Ti + Zr 0,25	Laminé, traité par trempe et revenu, étiré-détensionné, résistance 480-530 N/mm²	

- Les aciers suivants sont des qualités de standard.
- Sur demande nous livrons des aciers dans toutes les qualités d'acier courantes.

Propriétés/Utilisation	Mat. Nr
Acier de travail froid avec peu de changement de dimension qui peut être trempé à l'air avec viscosité excellente, forte résistance à l'usure et bonne usinabilité. L'utilisation pour outils de coupe et outils de poinçonnage et lames de cisaille.	**1.2363**
Acier au chrome, résistance à l'usure très élevée, bonne ténacité, très bonne tenue de coupe et résistance au revenu. Acier de découpage de grand rendement pour découpes délicates, lames de cisailles, outils de matriçage, outils d'étirage et de pliage.	**1.2379**
Acier au chrome, résistance à l'usure très élevée, bonne ténacité, très bonne tenue de coupe et résistance au revenu, trempabilité meilleure que pour le 1.2080. Pour outils de découpage, matriçage, cisaillage, pliage, plaques de frottement. Bonne aptitude au polissage à l'état trempé. Gravure chimique, grainage chimique ou électro-érosif sans utilité. Etincelage par fil : pour des usinages importants, nous recommandons le 1.2379. Chromage dur sans utilité.	**1.2436**
Trempant à l'air ou à l'huile, très haute ténacité, constance dimensionnelle, répartition homogène de la dureté dans la masse. Pour porte-empreintes et empreintes rapportées de moules à injection, outils d'estampage et de pliage et toutes pièces nécessitant une résistance élevée à la compression et flexion. Excellente aptitude au poli brillant du fait de sa composition chimique et de son homogénéité. Excellente aptitude à la gravure chimique et au grainage chimique ou électro-érosif. Bonne possibilité de chromage dur. Augmentation de la résistance à l'usure et excellente protection superficielle contre la corrosion pour le travail du PVC.	**1.2767**
Trempe à l'huile avec traitement thermique simple, très grande facilité d'usinage, bonne pénétration de la trempe, grande constance dimensionnelle. Pour outils de découpage, emboutissage, poinçons, couteaux, calibres, plaques de frottement. Polissage, gravure chimique, grainage chimique ou électro-érosif sans utilité. Etincelage par fil : pour des usinages importants nous recommandons le 1.2379. Chromage dur non utile.	**1.2842**
Alliage alu hautement résistant, excellente conductibilité thermique, facilité d'usinage (enlèvement de copeaux, étincelage, polissage), poids réduit. Plaques pour outils de découpage, formage et pour montages.	**3.4365.7**

Aciers standards résistants à la corrosion pour des moules à injection

	Mat. Nr	Symbole	Composition %	Etat de livraison	Trempe/Nitruration
	1.2083	X 42 Cr 13	C: 0,42 / Cr: 13,0	Recuit doux avec max. 760 N/mm² (225 HB)	Trempe au bain chaud ou à l'huile. Dureté d'utilisation habituelle 50-56 HRC. Ne convient pas pour la nitruration (diminution de la dureté et tenue à la corrosion).
	~1.2085	X 33 Cr S 16	C: 0,3 / Si: 0,5 / Mn: 1,0 / Cr: 15,5 / S: 0,1	Traité à 950-1100 N/mm² (280-320 HB)	Utilisation à l'état de livraison, soit prétraité avec 280-320 HB.
	1.2316	X 36 Cr Mo 17	C: 0,36 / Cr: 16 / Mo: 1,2 / Ni: ≤1	Traité à 950-1100 N/mm² (280-320 HB)	Emploi à l'état de livraison, soit prétraité avec 280-320 HB. La nitruration diminue la tenue à la corrosion.

Sélections des aciers résistants à la corrosion pour des moules à injection, que nous livrons sur votre demande.

M315 EXTRA			C: 0,05 / Si: 0,20 / Mn: 0,90 / Cr: ~13 / S: 0,12 / Ni: +	Traité à 950-1100 N/mm² (280-320 HB)	Trempe (si une dureté plus haute est désirée) Température 1050 °C, temps de maintien 0,5 h, médium de refroidissement huile.
Ramax® S	**~1.2085**	X 33 Cr S 16	C: 0,33 / Si: 0,35 / Mn: 1,35 / Cr: ~16,5 / S: 0,12	Traité à ca. 1150 N/mm² (ca. 340 HB)	Trempe: UDDEHOLM RAMAX ® normalement n'est pas prévu pour une trempe nouvelle. Une trempe nouvelle peut seulement être effectuée, si le matériel a été détrempé antérieurement à 750 °C/4 h.
ES Antikor S	**~1.2085 mod.**	X 33 Cr S 16	C: 0,3 / Si: 0,5 / Mn: 1,0 / Cr: 16 / S: 0,1	Traité à 950-1100 N/mm² (280-320 HB)	Habituellement le matériel ES Antikor S à l'état de livraison est utilisé. Un traitement thermique à nouveau n'est pas recommandable.
ES Antikor SL			C: 0,04 / Mn: 1,2 / S: 0,12 / Cr: 13	Traité à ca. 950-1100 N/mm² (280-325 HB)	Est livré à l'état de livraison d'environ 320 HB.
M340 ISOPLAST			C: 0,54 / Cr: ~17,5 / Mo: 1,1 / V+N: 0,1	Recuit doux avec max. 880 N/mm² (260 HB)	Dureté de montage: 53-58 HRC.
Plast 1			C: 0,045 / Si: 0,40 / Mn: 1,30 / Cr: ~12,5 / S: 0,15	Traité à ca. 1100 N/mm² (ca. 320 HB)	Est livré à l'état de livraison d'environ 320 HB.
M333 ISOPLAST			C: 0,28 / Si: 0,3 / Mo: 0,3 / Cr: 13,5	Recuit doux avec max. 730 N/mm² (ca. 220 HB)	Dureté de montage: max. 52 HRC.

Propriétés/Utilisation	Mat. Nr
Haute résistance à la corrosion à l'état trempé et revenu (250 °C) avec surface polie. Encore facile à usiner par enlèvement de copeaux. Bonne trempabilité à coeur avec déformation minime et grande résistance à l'usure. Pour porte-empreintes et empreintes de moules pour le travail de plastiques à action corrosive et avec fluides refroidisseurs corrosifs. Bonne aptitude au polissage à l'état trempé. Bonne aptitude à la gravure chimique, au grainage chimique et électro-érosif. Usinage par étincelage possible.	**1.2083**
Résistance homogène sur toute la section. Résiste aux hautes pressions. Entretien réduit dû à la tenue à la corrosion et à la résistance aux plastiques agressifs, eaux de condensation, vapeurs, canaux de refroidissement, etc. Bonnes propriétés de ténacité. Convient moins pour l'usinage par étincelage (formation de stries en surface). Acier recommandé pour les emplois exigeant une grande facilité d'usinage avec bonne tenue à la corrosion. Pour carcasses et éléments d'outils avec hautes exigences à la résistance sans traitement thermique supplémentaire.	**~1.2085**
Bonne tenue à la corrosion, surtout avec surface polie. Pour outils soumis à des actions corrosives (p. ex. matières plastiques, etc.). Bonne aptitude au polissage. Bonne possibilité de gravure chimique et de grainage électro-corrosif. Pour le grainage chimique, nous recommandons la qualité ESU.	**1.2316**

Veuillez demander des qualités d'acier de votre choix qui ne sont pas mentionnées.

Böhler M315 EXTRA est un acier pour moule de matière plastiques résistant à la corrosion ***avec une usinabilité considérablement améliorée en comparaison avec tous les types 1.2085***. BÖHLER M315 EXTRA est utilisé à toutes carcasses d'un moule, des superstructures des moules, des moules avec un grand volume d'enlèvement des copeaux et à la fabrication des moules résistants à la corrosion ainsi qu'aux composants simples. La résistance à la corrosion peut être comparée avec tous les types 1.2085.	
UDDEHOLM RAMAX® S est un acier pour carcasses résistant à la corrosion contre l'eau. Nous l'avons déjà soumis à un traitement thermique. Il peut être utilisé aussitôt et est employable pour des moules de plastique simples avec des exigences faibles à la surface. Bonne usinabilité (pour acier Cr). Résistant à la corrosion contre l'eau. Dureté égale dans toutes les sections.	**~1.2085**
Acier résistant à la corrosion avec une usinabilité considérablement améliorée en comparaison avec le matériel 1.2316. Des carcasses d'un moule, des moules pour le traitement des plastiques qui font effet corrodant. Cet acier est recommandable si l'usinabilité est au premier plan. ES Antikor S est seulement qualifié pour les polis techniques. Autrement nous recommandons ES Antikor en EST-qualité.	**~1.2085 mod.**
Propriétés excellentes de l'usinabilité. Bonne résistance à la corrosion. Dureté égale et constante dans toutes les dimensions. Bonne résistance à l'impression (résistance à la pression). Expansibilité excellente. Planéité excellente. Stabilité de moule. Suavité comme aux surfaces laminées. Soudabilité excellente. Bonne conductivité thermique. Applications: des superstructures des moules de moulage par injection plastique, moules de moulage par injection de plastique et de caoutchouc avec des exigences faibles à la polissage possible, des pièces de construction, plastique extrusion.	
Acier spécial dans ESU-exécution avec des propriétés de corrosion excellentes, par exemple dans l'eau salée, bien à tremper, stable à la dimension pendant le trempe, intensément résistant à l'usure et résistant du tranchant, bonnes possibilités de l'usinage et du polissage. Pour les couteaux mécaniques dans l'industrie de pêche et l'industrie alimentaire, pour les valvules, les pompes, les paliers à rouleaux, les moules dans la plasturgie.	
L'acier pour moules de matière plastique martensitique avec une bonne résistance à la corrosion grâce au teneur du chrome haut. La livraison en condition trempée avec une dureté d'environ 1100 N/mm², donc la disparition du traitement thermique dispendieux et la stabilité de moule améliorée à un volume d'enlèvement de copeau haut. Une dureté égale également aux sections grandes. Très bonne l'usinabilité. La conductibilité thermique permette des cycles de production brefs. Une soudabilité très bonne en vertu du teneur en carbone très bas (la disparition du réchauffage du moule).	
Particulièrement qualifié pour l'insert de moule ou la résistance à la corrosion et la dureté sont exigées. Très bonne résistance à la corrosion. L'aptitude au polissage (poli-miroir) optimal. Très bonne ténacité et dureté. Une conductibilité thermique améliorée – des périodes de cycle écourtées. En vertu d'un degré de pureté bonne aptitude à l'érosion.	