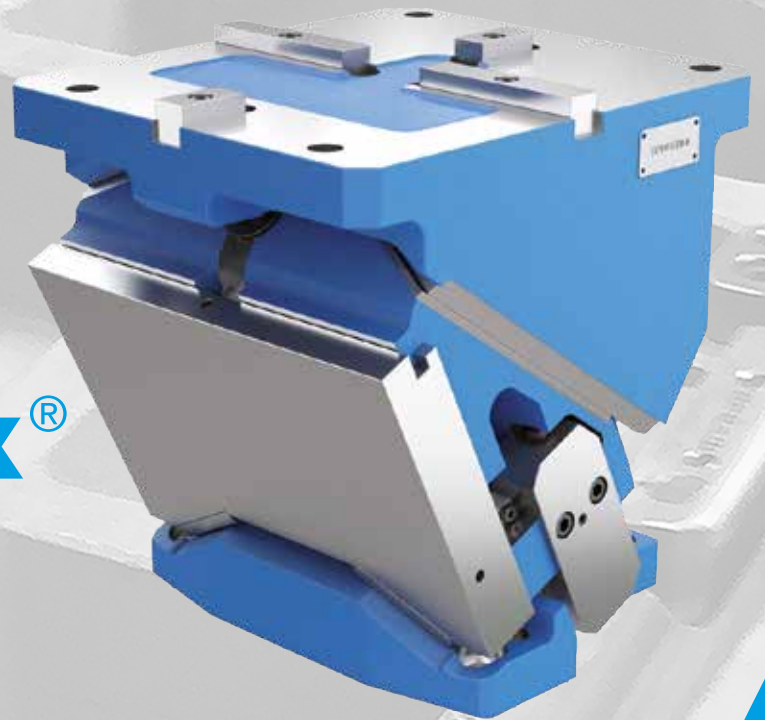


**OBEN HÄNGENDE SCHIEBER  
UNTEN STEHENDE SCHIEBER**

**AERIAL CAM UNITS  
DIE MOUNT CAM UNITS**

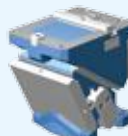
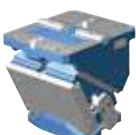
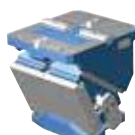
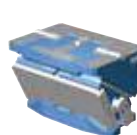
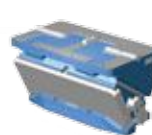
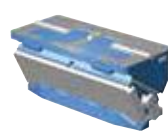
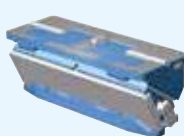
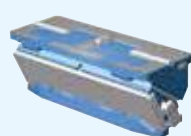
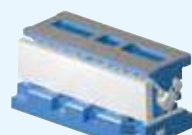
**COULISSEAUX SUSPENDUS  
COULISSEAUX MONTE EN BAS**



**PowerMax®**

**STRACK®**

**NORMALIEN**

|                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                       |                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <br><b>SN 5650-PMO-0065</b> 8.26   | <br><b>SN 5650-PMO-0090</b> 8.28   | <br><b>SN 5650-PMO-0125</b> 8.30   | <br><b>SN 5650-PMO-0165</b> 8.32   | <br><b>SN 5650-PMO-0230</b> 8.34   | <br><b>SN 5650-PMO-0260</b> 8.36   |
| <br><b>SN 5650-PMO-0330</b> 8.38   | <br><b>SN 5650-PMO-0400</b> 8.40   | <br><b>SN 5650-PMO-0460</b> 8.42   | <br><b>SN 5650-PMO-0580</b> 8.44   | <br><b>SN 5650-PMO-0700</b> 8.46   | <br><b>SN 5650-PMO-0850</b> 8.48   |
| <br><b>SN 5650-PMO-1000</b> 8.50   | <br><b>SN 5650-PMO-1200</b> 8.52   |                                                                                                                     |                                                                                                                     |                                                                                                                       |                                                                                                                       |
| <br><b>SN 5650-PMU-0065</b> 8.54  | <br><b>SN 5650-PMU-0090</b> 8.56  | <br><b>SN 5650-PMU-0125</b> 8.58  | <br><b>SN 5650-PMU-0165</b> 8.60  | <br><b>SN 5650-PMU-0230</b> 8.62  | <br><b>SN 5650-PMU-0260</b> 8.64  |
| <br><b>SN 5650-PMU-0330</b> 8.66 | <br><b>SN 5650-PMU-0400</b> 8.68 | <br><b>SN 5650-PMU-0460</b> 8.70 | <br><b>SN 5650-PMU-0580</b> 8.72 | <br><b>SN 5650-PMU-0700</b> 8.74 | <br><b>SN 5650-PMU-0850</b> 8.76 |
| <br><b>SN 5650-PMU-1000</b> 8.78 | <br><b>SN 5650-PMU-1200</b> 8.80 |                                                                                                                     |                                                                                                                     |                                                                                                                       |                                                                                                                       |
|                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                       |                                                                                                                       |
|                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                     |                                                                                                                       |                                                                                                                       |

### Das PowerMax® Schieberprogramm

Kompakt



Basis

Leistungsstark



Medium

Flexibel



Premium

Weltweit einzigartig ist die Staffelung eines Schieberprogramms in den drei Ausbaurvarianten: BASIS, MEDIUM und PREMIUM Schieber.

In den Abmessungen vollkommen gleich gehalten, unterscheiden sich diese Varianten ausschließlich in ihren Performancewerten und Ausstattungsdetails, die es dem Kunden nun erstmalig ermöglichen, das für ihn optimale Produkt für seine Fertigung zu wählen.

| Basis                                         | Medium                                                            | Premium                                                           |
|-----------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| große Arbeitsfläche                           | große Arbeitsfläche                                               | große Arbeitsfläche                                               |
| kompakte Bautiefe                             | kompakte Bautiefe                                                 | kompakte Bautiefe                                                 |
| exzellente Laufpräzision durch Prismenführung | exzellente Laufpräzision durch Prismenführung                     | exzellente Laufpräzision durch Prismenführung                     |
| VDI-BAK / NAAMS konform                       | VDI-BAK / NAAMS konform                                           | VDI-BAK / NAAMS konform                                           |
| leichtes Handling                             | leichtes Handling                                                 | leichtes Handling                                                 |
| äußerst robuste Bauform                       | äußerst robuste Bauform                                           | äußerst robuste Bauform                                           |
| demontierbarer gedämpfter Schieberanschlag    | demontierbarer gedämpfter Schieberanschlag                        | demontierbarer gedämpfter Schieberanschlag                        |
| Gasdruckfeder unter der Presse austauschbar   | Gasdruckfeder unter der Presse austauschbar                       | Gasdruckfeder unter der Presse austauschbar                       |
| normale Rückzugkräfte                         | extrem hohe Rückzugkräfte                                         | extrem hohe Rückzugkräfte                                         |
|                                               | sehr hohe Presskräfte                                             | sehr hohe Presskräfte                                             |
|                                               |                                                                   | <a href="#">demontierbare Montageplatte</a>                       |
| Gleitplatte aus Bronze mit Festschmierstoff   | <a href="#">Gleitplatte aus Sintermetall auf Stahlgrundkörper</a> | <a href="#">Gleitplatte aus Sintermetall auf Stahlgrundkörper</a> |
| geeignet für Normbleche                       | <a href="#">geeignet für Normal-, Dick- und Höherfestbleche</a>   | <a href="#">geeignet für Normal-, Dick- und Höherfestbleche</a>   |
| aufwärts kompatibel                           | aufwärts kompatibel                                               |                                                                   |

### The PowerMax® cam program

Compact



Basis

Powerful



Medium

Flexible



Premium

Unique in the world is the differentiation of a cam program in 3 types:  
BASIS, MEDIUM and PREMIUM cams.

These types, which are totally similar in the dimensions, differ exclusively in their performance values and the equipment details, which make it for the first time possible for the customer to choose the optimal product for his production.

| Basis                                             | Medium                                                | Premium                                               |
|---------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| big working surface                               | big working surface                                   | big working surface                                   |
| compact installation space                        | compact installation space                            | compact installation space                            |
| excellent operating precision by prismatic guide  | excellent operating precision by prismatic guide      | excellent operating precision by prismatic guide      |
| VDI-BAK / NAAMS conform                           | VDI-BAK / NAAMS conform                               | VDI-BAK / NAAMS conform                               |
| simple handling                                   | simple handling                                       | simple handling                                       |
| extremely robust type of construction             | extremely robust type of construction                 | extremely robust type of construction                 |
| removable cushioned cam stop                      | removable cushioned cam stop                          | removable cushioned cam stop                          |
| Gas spring replaceable under the press            | Gas spring replaceable under the press                | Gas spring replaceable under the press                |
| normal retraction forces                          | extremely high retraction forces                      | extremely high retraction forces                      |
|                                                   | very high press forces                                | very high press forces                                |
|                                                   |                                                       | <u>Mounting plate removable</u>                       |
| Sliding plates out of bronze with solid lubricant | Sliding plates out of sintered metal on steel carrier | Sliding plates out of sintered metal on steel carrier |
| suitable for normal sheets                        | suitable for normal-, thick-, and highstrength sheets | suitable for normal-, thick-, and highstrength sheets |
| upwards compatibel                                | upwards compatibel                                    |                                                       |

### Le programme de coulisseau PowerMax®

Compact



Basis

Très performant



Medium

Flexible



Premium

Unique au monde est l'échelonnement d'un programme de coulisseaux en 3 types: **BASIS**, **MEDIUM** et **PREMIUM** coulisseaux.

Ces types, qui sont complètement pareils dans les dimensions, se diffèrent exclusivement dans ses valeurs de performance et dans ses détails d'équipement, qui permettent au client pour la première fois de choisir le produit optimal pour la production.

| Basis                                                   | Medium                                                                                     | Premium                                                                                    |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| grand plan de travail                                   | grand plan de travail                                                                      | grand plan de travail                                                                      |
| Profondeur d'installation compacte                      | Profondeur d'installation compacte                                                         | Profondeur d'installation compacte                                                         |
| Précision de roulement excellente par guidage à prismes | Précision de roulement excellente par guidage à prismes                                    | Précision de roulement excellente par guidage à prismes                                    |
| conforme à VDI-BAK / NAAMS                              | conforme à VDI-BAK / NAAMS                                                                 | conforme à VDI-BAK / NAAMS                                                                 |
| Manutention simple                                      | Manutention simple                                                                         | Manutention simple                                                                         |
| Type de construction extrêmement robuste                | Type de construction extrêmement robuste                                                   | Type de construction extrêmement robuste                                                   |
| Butée démontable et retenue du coulisseau               | Butée démontable et retenue du coulisseau                                                  | Butée démontable et retenue du coulisseau                                                  |
| Ressort à gaz peut être échangé sous la presse          | Ressort à gaz peut être échangé sous la presse                                             | Ressort à gaz peut être échangé sous la presse                                             |
| Forces à retour normales                                | Forces à retour extrêmement élevées                                                        | Forces à retour extrêmement élevées                                                        |
|                                                         | Forces de pressage très élevées                                                            | Forces de pressage très élevées                                                            |
|                                                         |                                                                                            | <u>Plaque de montage peut être démonté</u>                                                 |
| Plaque directrice de bronze avec lubrifiant solide      | Plaque directrice de métal fritté sur corps de base en acier                               | Plaque directrice de métal fritté sur corps de base en acier                               |
| approprié pour des tôles de norme                       | approprié pour des tôles de norme, des tôles épais et des tôles d'une solidité plus élevée | approprié pour des tôles de norme, des tôles épais et des tôles d'une solidité plus élevée |
| vers le haut compatible                                 | vers le haut compatible                                                                    |                                                                                            |

### Das PowerMax® Schieberprogramm

### The PowerMax® cam program

### Le programme de coulisseau PowerMax®

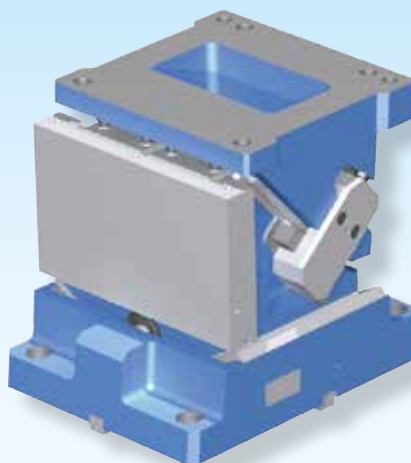
**SN 5650-PMO / PMU**

OT = Oben hängende Schieber (PMO)  
Aerial cam unit (PMO)  
Coulisseau suspendu (PMO)

UT = Unten stehende Schieber (PMU)  
Die mount cam unit (PMU)  
Coulisseau monté en bas (PMU)



PMO



PMU

| Schieber-<br>breite/<br>Cam width/<br>Largeur du<br>coulisseau | 0°        | 5°        | 10°       | 15°       | 20°       | 25°       | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° |
|----------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 65 mm                                                          | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 90 mm                                                          | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 125 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 165 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 230 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 260 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  |
| 330 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   |
| 400 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 460 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 580 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 700 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 850 mm                                                         | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 1000 mm                                                        | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| 1200 mm                                                        | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT/<br>UT | OT  | OT  | OT  | OT  | OT  | OT  | OT  | OT  | *   | *   |
| * auf Anfrage / on request / sur demande                       |           |           |           |           |           |           |     |     |     |     |     |     |     |     |     |     |

| Schnellübersicht<br>Einbauraum SN 5650                                                         |   |            | Overview<br>Installation space SN 5650 |            |            |            |            |      |      |      | Vue d'ensemble<br>Espace de montage SN 5650 |      |      |      |      |     |     |
|------------------------------------------------------------------------------------------------|---|------------|----------------------------------------|------------|------------|------------|------------|------|------|------|---------------------------------------------|------|------|------|------|-----|-----|
| α                                                                                              |   | 0°         | 5°                                     | 10°        | 15°        | 20°        | 25°        | 30°  | 35°  | 40°  | 45°                                         | 50°  | 55°  | 60°  | 65°  | 70° | 75° |
| PMO<br>PMU*<br>0065                                                                            | L | 245<br>248 | 245<br>245                             | 255<br>259 | 255<br>267 | 260<br>279 | 260<br>286 | 260  | 260  | 265  | 265                                         | 265  | 265  | 270  | 270  | 275 | 275 |
|                                                                                                | B | 65         | 65                                     | 65         | 65         | 65         | 65         | 65   | 65   | 65   | 65                                          | 65   | 65   | 65   | 65   | 65  | 65  |
|                                                                                                | H | 225        | 225                                    | 225        | 225        | 225        | 225        | 225  | 225  | 225  | 225                                         | 225  | 225  | 225  | 225  | 225 | 225 |
| PMO<br>PMU*<br>0090                                                                            | L | 255<br>253 | 255<br>245                             | 260<br>259 | 260<br>267 | 260<br>279 | 260<br>286 | 265  | 265  | 265  | 265                                         | 270  | 270  | 275  | 275  | 275 | 275 |
|                                                                                                | B | 90         | 90                                     | 90         | 90         | 90         | 90         | 90   | 90   | 90   | 90                                          | 90   | 90   | 90   | 90   | 90  | 90  |
|                                                                                                | H | 225        | 225                                    | 225        | 225        | 225        | 225        | 225  | 225  | 225  | 225                                         | 225  | 225  | 225  | 225  | 225 | 225 |
| PMO<br>PMU*<br>0125                                                                            | L | 285<br>310 | 285<br>305                             | 295<br>321 | 295<br>325 | 285<br>338 | 285<br>345 | 300  | 300  | 305  | 305                                         | 305  | 305  | 315  | 315  | 325 | 325 |
|                                                                                                | B | 125        | 125                                    | 125        | 125        | 125        | 125        | 125  | 125  | 125  | 125                                         | 125  | 125  | 125  | 125  | 125 | 125 |
|                                                                                                | H | 275        | 275                                    | 275        | 275        | 275        | 275        | 275  | 275  | 275  | 275                                         | 275  | 275  | 275  | 275  | 275 | 275 |
| PMO<br>PMU*<br>0165                                                                            | L | 280<br>326 | 280<br>320                             | 287<br>332 | 292<br>344 | 295<br>353 | 295<br>365 | 310  | 310  | 315  | 315                                         | 320  | 320  | 325  | 325  | 340 | 340 |
|                                                                                                | B | 165        | 165                                    | 165        | 165        | 165        | 165        | 165  | 165  | 165  | 165                                         | 165  | 165  | 165  | 165  | 165 | 165 |
|                                                                                                | H | 300        | 300                                    | 300        | 300        | 300        | 300        | 300  | 300  | 300  | 300                                         | 300  | 300  | 300  | 300  | 300 | 300 |
| PMO<br>PMU*<br>0230                                                                            | L | 275<br>331 | 276<br>325                             | 282<br>335 | 287<br>349 | 295<br>362 | 295<br>374 | 305  | 305  | 305  | 305                                         | 320  | 320  | 325  | 325  | 340 | 340 |
|                                                                                                | B | 230        | 230                                    | 230        | 230        | 230        | 230        | 230  | 230  | 230  | 230                                         | 230  | 230  | 230  | 230  | 230 | 230 |
|                                                                                                | H | 300        | 300                                    | 300        | 300        | 300        | 300        | 300  | 300  | 300  | 300                                         | 300  | 300  | 300  | 300  | 300 | 300 |
| PMO<br>PMU*<br>0260                                                                            | L | 275<br>332 | 277<br>325                             | 282<br>335 | 287<br>349 | 295<br>363 | 295<br>375 | 305  | 305  | 305  | 305                                         | 320  | 320  | 325  | 325  | 340 | 340 |
|                                                                                                | B | 260        | 260                                    | 260        | 260        | 260        | 260        | 260  | 260  | 260  | 260                                         | 260  | 260  | 260  | 260  | 260 | 260 |
|                                                                                                | H | 300        | 300                                    | 300        | 300        | 300        | 300        | 300  | 300  | 300  | 300                                         | 300  | 300  | 300  | 300  | 300 | 300 |
| PMO<br>PMU*<br>0330                                                                            | L | 355<br>406 | 362<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 385  | 385                                         | 400  | 400  | 410  | 410  | 420 | **  |
|                                                                                                | B | 330        | 330                                    | 330        | 330        | 330        | 330        | 330  | 330  | 330  | 330                                         | 330  | 330  | 330  | 330  | 330 | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | 375 | **  |
| PMO<br>PMU*<br>0400                                                                            | L | 355<br>405 | 363<br>395                             | 375<br>415 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 385  | 385                                         | 400  | 400  | 410  | 410  | **  | **  |
|                                                                                                | B | 400        | 400                                    | 400        | 400        | 400        | 400        | 400  | 400  | 400  | 400                                         | 400  | 400  | 400  | 400  | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>0460                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 460        | 460                                    | 460        | 460        | 460        | 460        | 460  | 460  | 460  | 460                                         | 460  | 460  | 460  | 460  | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>0580                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 580        | 580                                    | 580        | 580        | 580        | 580        | 580  | 580  | 580  | 580                                         | 580  | 580  | 580  | 580  | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>0700                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 700        | 700                                    | 700        | 700        | 700        | 700        | 700  | 700  | 700  | 700                                         | 700  | 700  | 700  | 700  | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>0850                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 850        | 850                                    | 850        | 850        | 850        | 850        | 850  | 850  | 850  | 850                                         | 850  | 850  | 850  | 850  | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>1000                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 1000       | 1000                                   | 1000       | 1000       | 1000       | 1000       | 1000 | 1000 | 1000 | 1000                                        | 1000 | 1000 | 1000 | 1000 | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| PMO<br>PMU*<br>1200                                                                            | L | 365<br>406 | 365<br>395                             | 375<br>416 | 375<br>405 | 380<br>419 | 380<br>433 | 390  | 390  | 395  | 395                                         | 415  | 415  | 425  | 425  | **  | **  |
|                                                                                                | B | 1200       | 1200                                   | 1200       | 1200       | 1200       | 1200       | 1200 | 1200 | 1200 | 1200                                        | 1200 | 1200 | 1200 | 1200 | **  | **  |
|                                                                                                | H | 375        | 375                                    | 375        | 375        | 375        | 375        | 375  | 375  | 375  | 375                                         | 375  | 375  | 375  | 375  | **  | **  |
| * PMU bis 25° / PMU until 25° / PMU jusqu'à 25°      ** auf Anfrage / on request / sur demande |   |            |                                        |            |            |            |            |      |      |      |                                             |      |      |      |      |     |     |

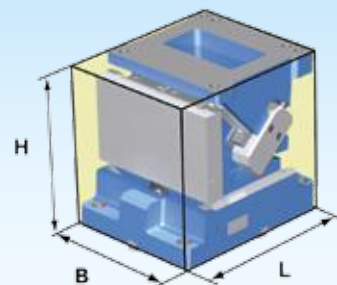
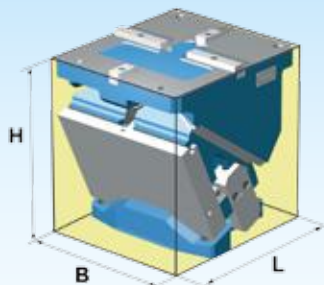
### Schnellübersicht Schieberkraft / Rückzugskraft

### Overview Come force / Retraction force

### Vue d'ensemble Force du coulisseau / Force à retour

Einbauraum  
Installation space  
Espace de montage

SN 5652-Type  
optional erhältlich  
optional available  
optionnel disponible



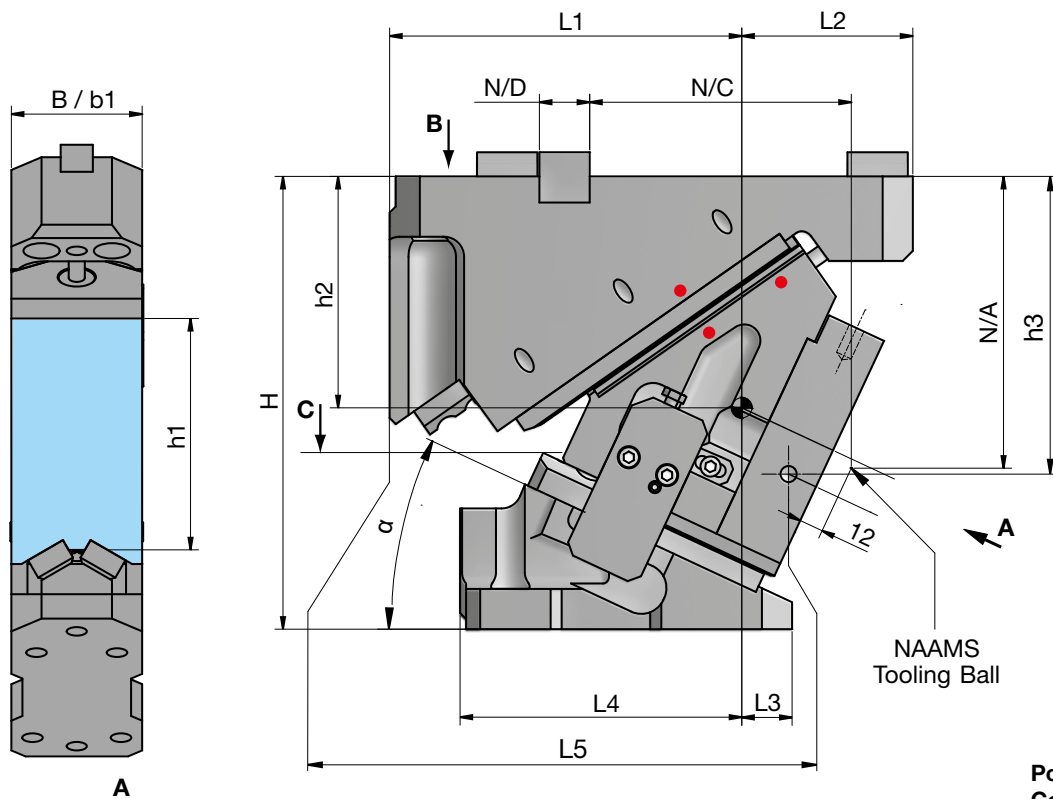
| PMO  | Presskraft<br>[kN] min. | Press force<br>[kN] min. | Force de<br>pressage<br>[kN] min. | Rückzugs-<br>kraft<br>[kN] | Retraction<br>force<br>[kN]  | Force à<br>retour<br>[kN] |
|------|-------------------------|--------------------------|-----------------------------------|----------------------------|------------------------------|---------------------------|
| Type | Basis                   | Medium                   | Premium                           | Basis                      | Medium / Premium<br>Standard | + SN 5652-Type            |
| 65   | > 85                    | > 106                    | > 106                             | 1                          | 16                           | -                         |
| 90   | > 145                   | > 190                    | > 190                             | 1                          | 22                           | -                         |
| 125  | > 209                   | > 271                    | > 271                             | 2                          | 28                           | -                         |
| 165  | > 314                   | > 411                    | > 411                             | 2                          | 41                           | -                         |
| 230  | > 371                   | > 490                    | > 490                             | 2                          | 46                           | -                         |
| 260  | > 412                   | > 616                    | > 616                             | 2                          | 46                           | -                         |
| 330  | > 813                   | > 912                    | > 912                             | 8                          | 68                           | -                         |
| 400  | > 851                   | > 1248                   | > 1248                            | 8                          | 65                           | -                         |
| 460  | > 832                   | > 1253                   | > 1253                            | 8                          | 68                           | 83                        |
| 580  | > 1065                  | > 1500                   | > 1500                            | 17                         | 78                           | 102                       |
| 700  | > 1295                  | > 1750                   | > 1750                            | 17                         | 78                           | 102                       |
| 850  | > 1250                  | > 2000                   | > 2000                            | 17                         | 78                           | 138                       |
| 1000 | > 1537                  | > 2250                   | > 2250                            | 25                         | 78                           | 117                       |
| 1200 | > 1792                  | > 2500                   | > 2500                            | 17                         | 78                           | 138                       |

| PMU  | Presskraft<br>[kN] min. | Press force<br>[kN] min. | Force de<br>pressage<br>[kN] min. | Rückzugs-<br>kraft<br>[kN] | Retraction<br>force<br>[kN]  | Force à<br>retour<br>[kN] |
|------|-------------------------|--------------------------|-----------------------------------|----------------------------|------------------------------|---------------------------|
| Type | Basis                   | Medium                   | Premium                           | Basis                      | Medium / Premium<br>Standard | + SN 5652-Type            |
| 65   | > 107                   | > 184                    | > 184                             | 1                          | 21                           | -                         |
| 90   | > 107                   | > 184                    | > 184                             | 1                          | 21                           | -                         |
| 125  | > 277                   | > 464                    | > 464                             | 2                          | 26                           | -                         |
| 165  | > 498                   | > 855                    | > 855                             | 2                          | 47                           | -                         |
| 230  | > 498                   | > 855                    | > 855                             | 2                          | 47                           | -                         |
| 260  | > 498                   | > 855                    | > 855                             | 2                          | 47                           | -                         |
| 330  | > 677                   | > 1166                   | > 1166                            | 6                          | 76                           | -                         |
| 400  | > 805                   | > 1368                   | > 1368                            | 6                          | 96                           | -                         |
| 460  | > 848                   | > 1442                   | > 1442                            | 6                          | 62                           | 77                        |
| 580  | > 1049                  | > 1802                   | > 1802                            | 8                          | 70                           | 100                       |
| 700  | > 1121                  | > 1927                   | > 1927                            | 8                          | 70                           | 100                       |
| 850  | > 1223                  | > 2119                   | > 2119                            | 8                          | 70                           | 115                       |
| 1000 | > 1235                  | > 2122                   | > 2122                            | 8                          | 70                           | 115                       |
| 1200 | > 1348                  | > 2499                   | > 2499                            | 8                          | 70                           | 115                       |

### Oben hängender Normschieber SN 5650-PMO-0065

### Aerial cam unit SN 5650-PMO-0065

### Coulisseau suspendu SN 5650-PMO-0065



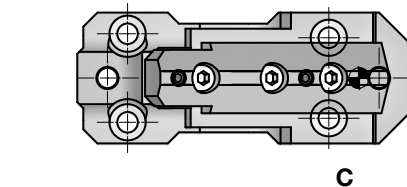
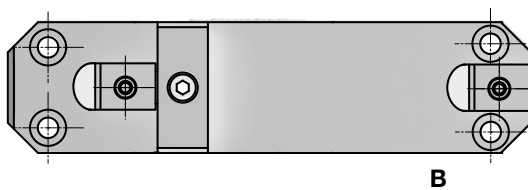
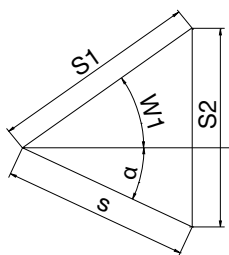
Positionskontrolle:  
Control of position:  
Contrôle de la position:

Pos. 1

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS  
(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 85               | > 106               | > 106                     | 1                     | 16                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0065

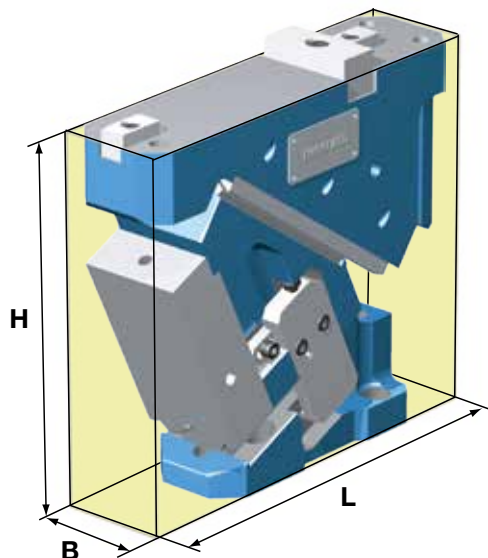


SN 5650-PMO-0065- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



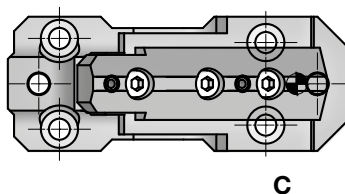
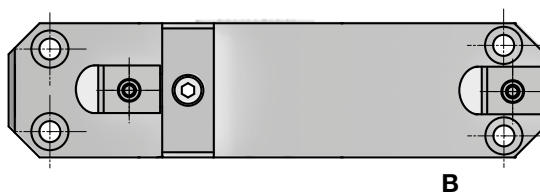
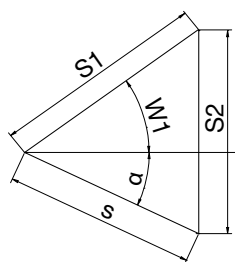
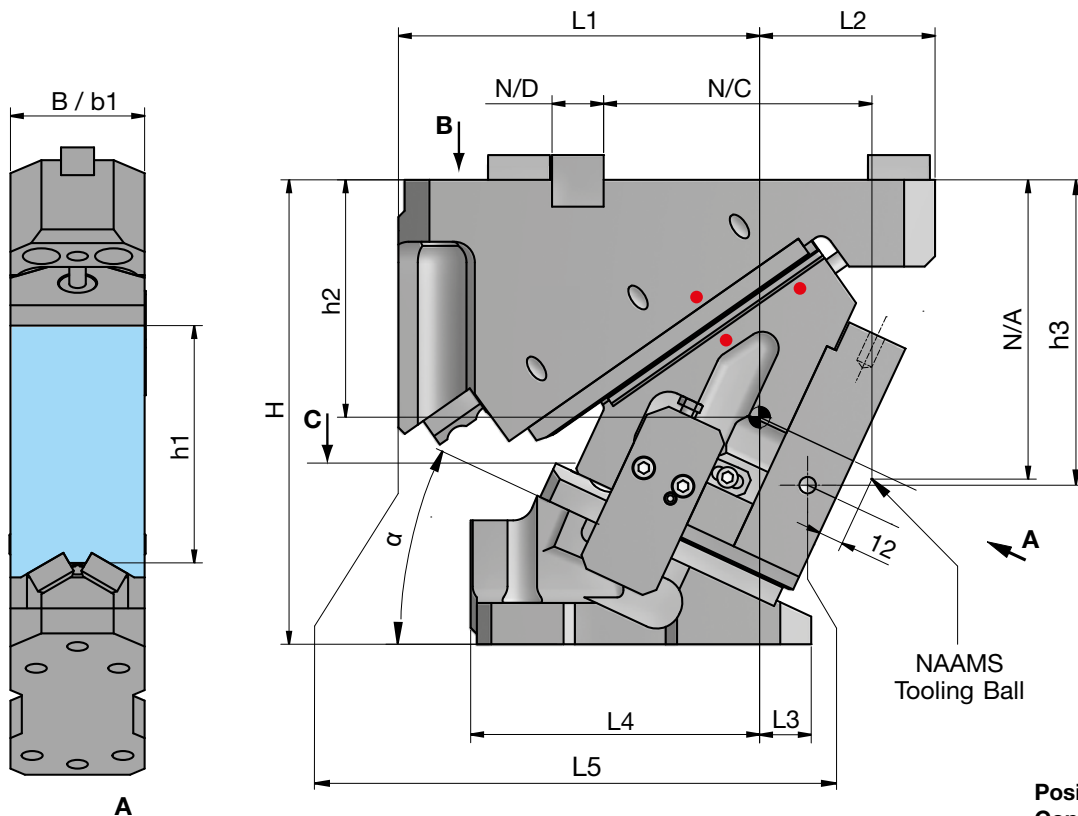
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 245    | 245    | 255    | 255    | 260    | 260    | 260    | 260    | 265    | 265    | 265    | 265    | 270    | 270    | 275    | 275    |
| <b>B</b>   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   | 83,7   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>B</b>   | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>b1</b>  | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>h1</b>  | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    | 110    |
| <b>h2</b>  | 110    | 110    | 115    | 115    | 115    | 115    | 120    | 120    | 125    | 125    | 130    | 130    | 135    | 135    | 140    | 140    |
| <b>h3</b>  | 130,00 | 134,28 | 143,38 | 147,26 | 145,76 | 147,92 | 154,82 | 156,46 | 162,82 | 163,89 | 169,67 | 170,14 | 175,31 | 175,17 | 179,73 | 178,98 |
| <b>L1</b>  | 165    | 165    | 170    | 170    | 175    | 175    | 175    | 175    | 170    | 170    | 165    | 165    | 165    | 165    | 150    | 150    |
| <b>L2</b>  | 80     | 80     | 85     | 85     | 85     | 85     | 85     | 85     | 95     | 95     | 100    | 100    | 105    | 105    | 120    | 120    |
| <b>L3</b>  | 70,0   | 70,0   | 55,0   | 55,0   | 25,0   | 25,0   | 5,0    | 5,0    | -10,0  | -10,0  | -25,0  | -27,5  | -40,0  | -43,0  | -55,0  | -56,9  |
| <b>L4</b>  | 130    | 130    | 140    | 140    | 140    | 140    | 145    | 145    | 155    | 155    | 160    | 160    | 155    | 155    | 155    | 155    |
| <b>L5</b>  | 215,00 | 213,07 | 215,77 | 213,12 | 201,05 | 198,27 | 195,31 | 192,20 | 183,96 | 180,61 | 172,18 | 168,69 | 165,18 | 161,67 | 143,18 | 139,74 |
| <b>N/A</b> | 120    | 125    | 130    | 135    | 140    | 145    | 150    | 155    | 160    | 165    | 170    | 175    | 180    | 180    | 180    | 180    |
| <b>N/C</b> | 155,5  | 149,5  | 145    | 140,5  | 134,5  | 130    | 125,5  | 119,5  | 115    | 110,5  | 106    | 101,5  | 98,5   | 98,5   | 130    | 130    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

### Oben hängender Normschieber SN 5650-PMO-0090

### Aerial cam unit SN 5650-PMO-0090

### Coulisseau suspendu SN 5650-PMO-0090



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pressage<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 145              | > 190               | > 190                     | 1                     | 22                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

**SN 5650-PMO-0090**



SN 5650-PMO-0090- $\alpha$ -B/M/P-N/Z

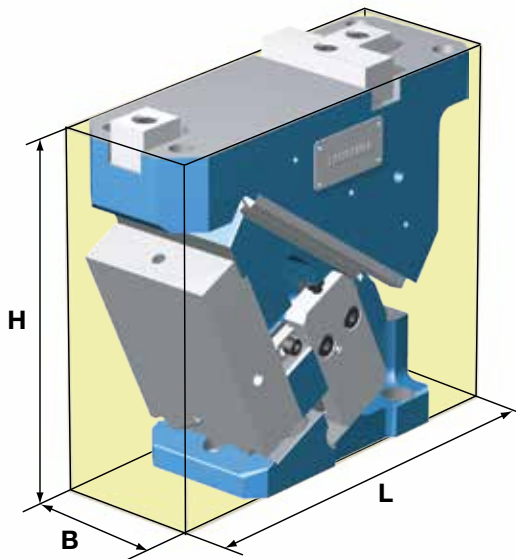
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clouette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



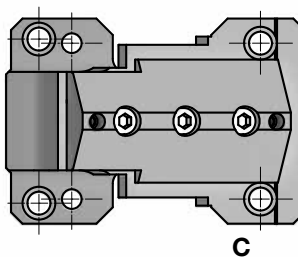
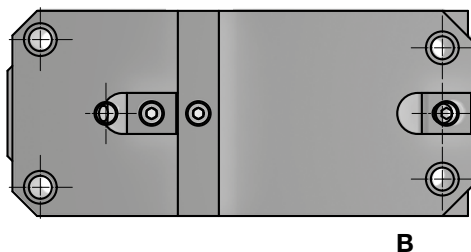
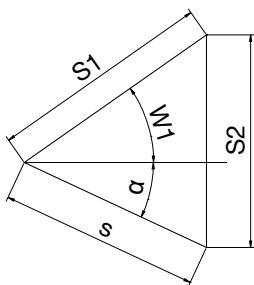
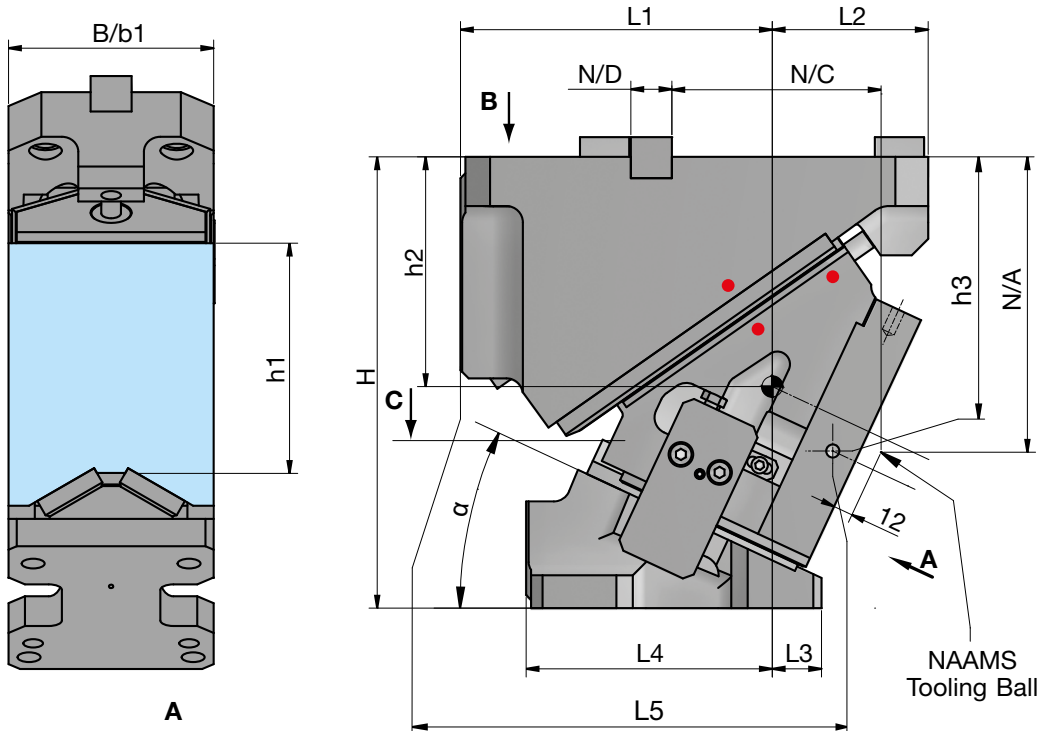
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 255    | 255    | 260    | 260    | 260    | 260    | 265    | 265    | 265    | 265    | 270    | 270    | 275    | 275    | 275    | 275    |
| <b>B</b>   | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   | 83,7   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>B</b>   | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>b1</b>  | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>h1</b>  | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    | 111    |
| <b>h2</b>  | 110    | 110    | 110    | 110    | 115    | 115    | 120    | 120    | 125    | 125    | 130    | 130    | 135    | 135    | 140    | 140    |
| <b>h3</b>  | 130,00 | 134,28 | 138,38 | 142,26 | 145,76 | 147,92 | 154,82 | 156,46 | 162,82 | 163,89 | 169,67 | 170,14 | 175,31 | 175,17 | 179,73 | 178,98 |
| <b>L1</b>  | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 170    | 170    | 170    | 170    | 170    | 170    | 150    | 150    |
| <b>L2</b>  | 80     | 80     | 85     | 85     | 85     | 85     | 90     | 90     | 95     | 95     | 100    | 100    | 105    | 105    | 120    | 120    |
| <b>L3</b>  | 70,0   | 70,0   | 55,0   | 55,0   | 25,0   | 25,0   | 5,0    | 5,0    | -10,0  | -10,0  | -25,0  | -27,5  | -40,0  | -43,0  | -55,0  | -56,9  |
| <b>L4</b>  | 130    | 130    | 140    | 140    | 140    | 140    | 145    | 145    | 155    | 155    | 160    | 160    | 155    | 155    | 155    | 155    |
| <b>L5</b>  | 225,00 | 223,07 | 220,77 | 218,12 | 201,05 | 198,27 | 195,31 | 192,20 | 183,96 | 180,61 | 177,18 | 173,69 | 170,18 | 166,67 | 143,18 | 139,74 |
| <b>N/A</b> | 120    | 125    | 130    | 135    | 140    | 145    | 150    | 155    | 160    | 165    | 170    | 175    | 180    | 180    | 180    | 180    |
| <b>N/C</b> | 155,5  | 149,5  | 145    | 140,5  | 134,5  | 130    | 125,5  | 119,5  | 115    | 110,5  | 106    | 101,5  | 98,5   | 98,5   | 130    | 130    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

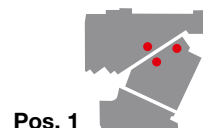
### Oben hängender Normschieber SN 5650-PMO-0125

### Aerial cam unit SN 5650-PMO-0125

### Coulisseau suspendu SN 5650-PMO-0125



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pressage<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 209              | > 271               | > 271                     | 2                     | 28                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0125

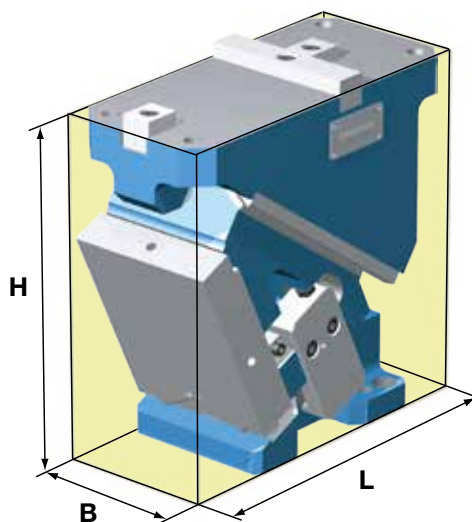


SN 5650-PMO-0125-**α**-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



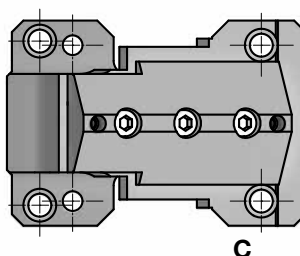
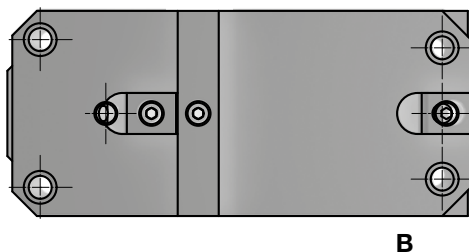
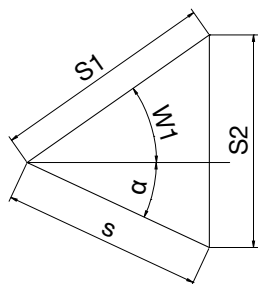
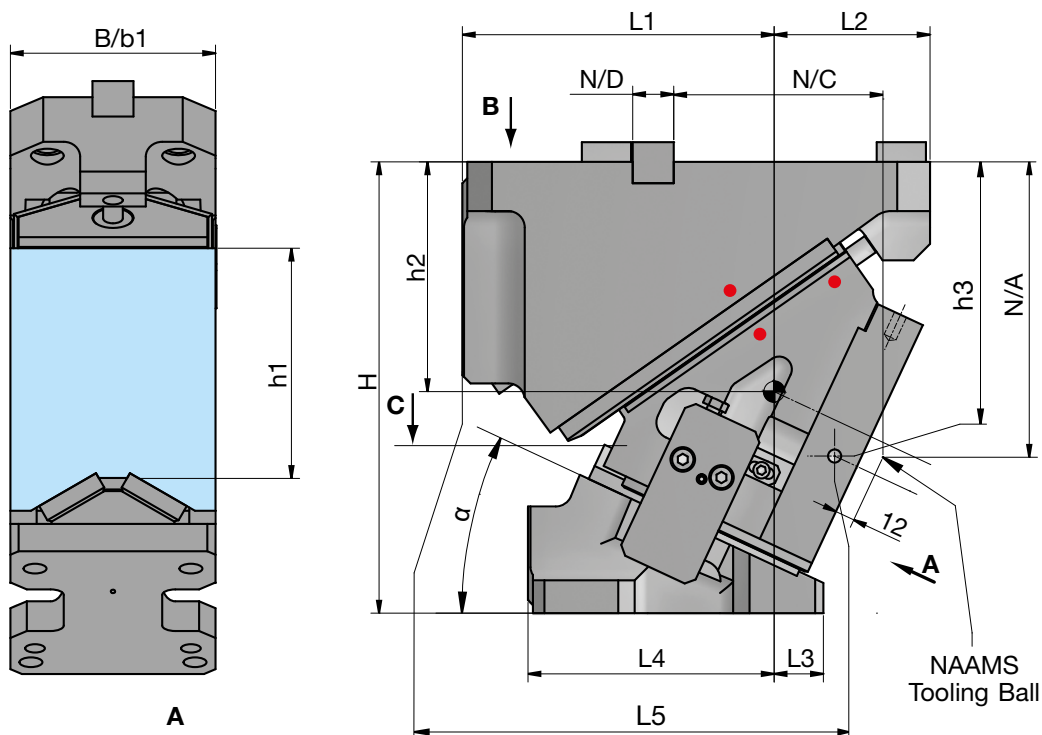
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 285    | 285    | 295    | 295    | 285    | 285    | 300    | 300    | 305    | 305    | 305    | 305    | 315    | 315    | 325    | 325    |
| <b>B</b>   | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>H</b>   | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47,0   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   | 83,7   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38,0   | 40,0   | 41,6   | 44,1   | 46,4   | 49,7   | 53,0   | 52,0   | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    | 275    |
| <b>B</b>   | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>b1</b>  | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>h1</b>  | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    |
| <b>h2</b>  | 140    | 140    | 140    | 140    | 140    | 140    | 145    | 145    | 150    | 150    | 155    | 155    | 160    | 160    | 165    | 165    |
| <b>h3</b>  | 160,00 | 166,02 | 171,85 | 177,44 | 175,89 | 179,26 | 187,32 | 190,06 | 197,46 | 199,50 | 206,16 | 207,43 | 213,30 | 213,77 | 218,83 | 218,47 |
| <b>L1</b>  | 190    | 190    | 190    | 190    | 190    | 190    | 195    | 195    | 190    | 190    | 190    | 190    | 190    | 190    | 185    | 185    |
| <b>L2</b>  | 95     | 95     | 105    | 105    | 95     | 95     | 105    | 105    | 115    | 115    | 115    | 115    | 125    | 125    | 140    | 140    |
| <b>L3</b>  | 90,0   | 90,0   | 70,0   | 70,0   | 30,0   | 30,0   | 12,0   | 12,0   | -8,0   | -8,0   | -30,0  | -30,0  | -47,0  | -49,0  | -67,0  | -67,0  |
| <b>L4</b>  | 140    | 140    | 150    | 150    | 150    | 150    | 150    | 150    | 160    | 160    | 170    | 170    | 170    | 170    | 170    | 170    |
| <b>L5</b>  | 260,00 | 257,99 | 255,46 | 252,44 | 230,14 | 226,86 | 228,30 | 224,49 | 215,45 | 211,21 | 206,82 | 202,30 | 197,68 | 193,00 | 183,31 | 178,62 |
| <b>N/A</b> | 155    | 160    | 165    | 170    | 175    | 180    | 185    | 190    | 195    | 200    | 205    | 210    | 215    | 215    | 225    | 225    |
| <b>N/C</b> | 180    | 160,5  | 153    | 144    | 136,5  | 127,5  | 120    | 112,5  | 105    | 99     | 93     | 72     | 79     | 79     | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

### Oben hängender Normschieber SN 5650-PMO-0165

### Aerial cam unit SN 5650-PMO-0165

### Coulisseau suspendu SN 5650-PMO-0165



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 314              | > 411               | > 411                     | 2                     | 41                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0165

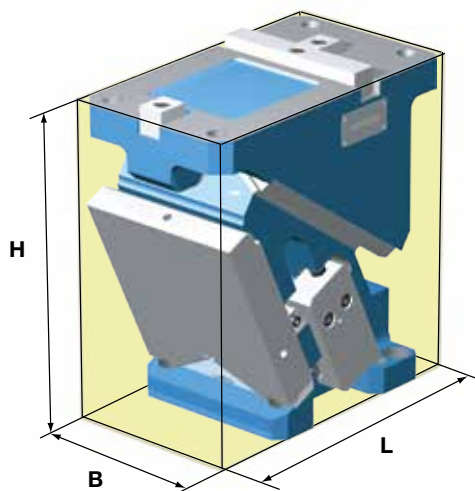


SN 5650-PMO-0165-**α**-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



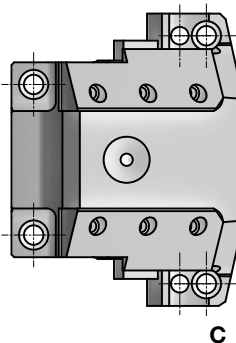
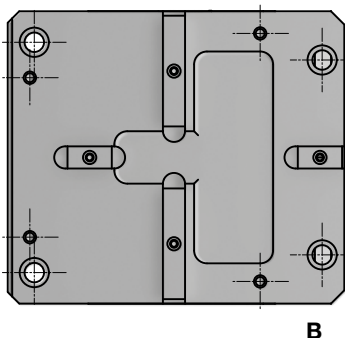
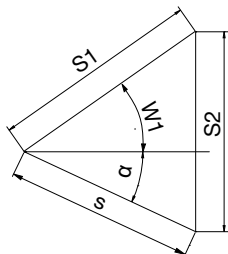
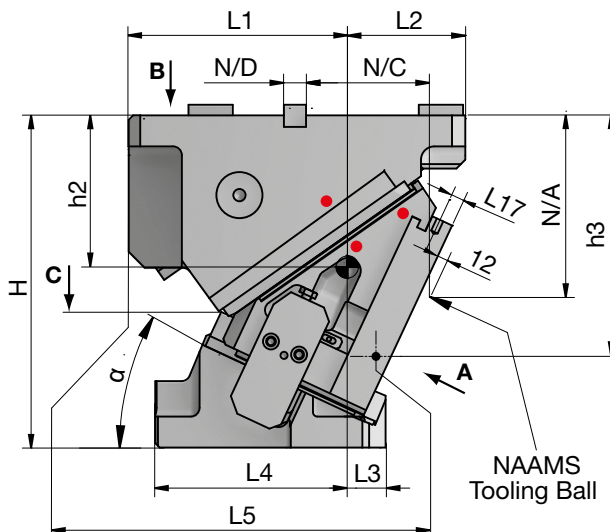
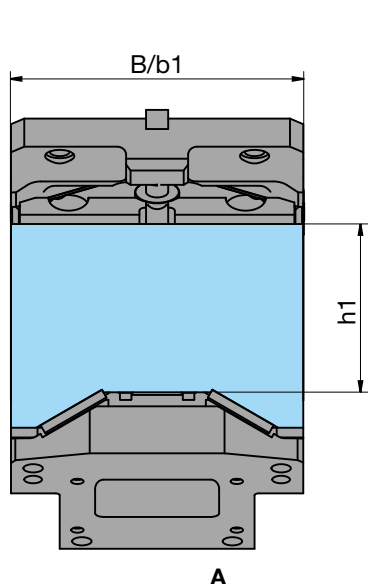
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 280    | 280    | 287    | 292    | 295    | 295    | 310    | 310    | 315    | 315    | 320    | 320    | 325    | 325    | 340    | 340    |
| <b>B</b>   | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   | 83,7   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>b1</b>  | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>h1</b>  | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    | 151    |
| <b>h2</b>  | 135    | 135    | 135    | 135    | 140    | 140    | 145    | 145    | 155    | 155    | 165    | 165    | 175    | 175    | 180    | 180    |
| <b>h3</b>  | 195,00 | 200,87 | 206,24 | 211,07 | 213,48 | 215,51 | 221,96 | 222,83 | 233,10 | 232,78 | 241,87 | 240,37 | 248,30 | 245,67 | 247,51 | 243,83 |
| <b>L1</b>  | 190    | 190    | 190    | 190    | 195    | 195    | 200    | 200    | 200    | 200    | 200    | 200    | 200    | 200    | 190    | 190    |
| <b>L2</b>  | 90     | 90     | 95     | 95     | 100    | 100    | 110    | 110    | 115    | 115    | 120    | 120    | 125    | 125    | 140    | 140    |
| <b>L3</b>  | 85,0   | 85,0   | 65,0   | 65,0   | 25,0   | 25,0   | 0,0    | 0,0    | -23,0  | -23,0  | -48,0  | -48,0  | -68,0  | -69,7  | -87,0  | -87,9  |
| <b>L4</b>  | 150    | 150    | 175    | 175    | 170    | 170    | 170    | 170    | 185    | 185    | 195    | 195    | 195    | 195    | 200    | 200    |
| <b>L5</b>  | 260,00 | 254,50 | 248,52 | 242,09 | 221,46 | 214,96 | 213,30 | 206,54 | 199,73 | 192,93 | 186,18 | 179,53 | 173,04 | 166,75 | 150,72 | 144,99 |
| <b>N/A</b> | 170    | 175    | 180    | 185    | 190    | 195    | 205    | 215    | 225    | 235    | 245    | 255    | 265    | 265    | 265    | 265    |
| <b>N/C</b> | 180,5  | 173    | 165,5  | 156,5  | 149    | 140    | 132,5  | 125    | 117,5  | 111,5  | 105,5  | 120    | 113    | 113    | 103    | 88     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

### Oben hängender Normschieber SN 5650-PMO-0230

### Aerial cam unit SN 5650-PMO-0230

### Coulisseau suspendu SN 5650-PMO-0230



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 371              | > 490               | > 490                     | 2                     | 46                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0230



SN 5650-PMO-0230- $\alpha$ -B/M/P-N/Z

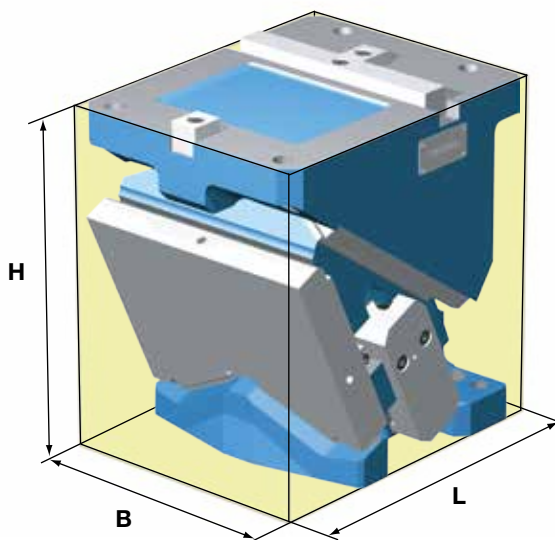
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



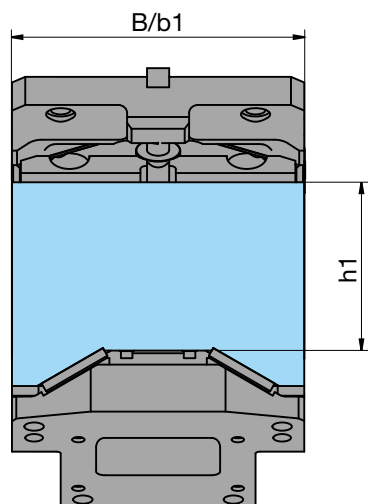
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 275    | 276    | 282    | 287    | 295    | 295    | 305    | 305    | 305    | 305    | 320    | 320    | 325    | 325    | 340    | 340    |
| <b>B</b>   | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   | 83,7   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>b1</b>  | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>h1</b>  | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    | 137    |
| <b>h2</b>  | 130    | 130    | 130    | 130    | 140    | 140    | 145    | 145    | 155    | 155    | 165    | 165    | 175    | 175    | 180    | 180    |
| <b>h3</b>  | 170,00 | 175,95 | 181,55 | 186,75 | 194,69 | 197,38 | 204,64 | 206,44 | 217,78 | 218,64 | 229,01 | 228,90 | 238,30 | 237,22 | 240,67 | 238,65 |
| <b>L1</b>  | 185    | 185    | 185    | 185    | 195    | 195    | 195    | 195    | 190    | 190    | 190    | 190    | 190    | 190    | 190    | 190    |
| <b>L2</b>  | 90     | 90     | 95     | 95     | 100    | 100    | 110    | 110    | 115    | 115    | 120    | 120    | 125    | 125    | 140    | 140    |
| <b>L3</b>  | 90     | 90     | 72     | 72     | 35     | 35     | 15     | 15     | -5     | -5     | -25    | -25    | -40    | -40    | -55    | -55    |
| <b>L4</b>  | 155    | 155    | 170    | 170    | 180    | 180    | 180    | 180    | 190    | 190    | 200    | 200    | 200    | 200    | 200    | 200    |
| <b>L5</b>  | 255,00 | 251,25 | 246,99 | 242,26 | 228,30 | 223,41 | 218,30 | 213,01 | 202,59 | 197,07 | 191,50 | 185,91 | 180,36 | 174,88 | 169,51 | 164,30 |
| <b>N/A</b> | 170    | 175    | 180    | 185    | 190    | 195    | 205    | 215    | 225    | 235    | 245    | 255    | 265    | 265    | 265    | 265    |
| <b>N/C</b> | 180,5  | 173    | 165,5  | 156,5  | 149    | 140    | 132,5  | 125    | 117,5  | 111,5  | 105,5  | 120    | 113    | 113    | 70     | 60     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

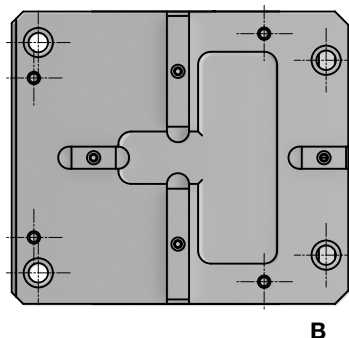
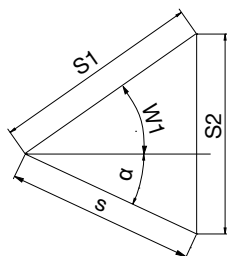
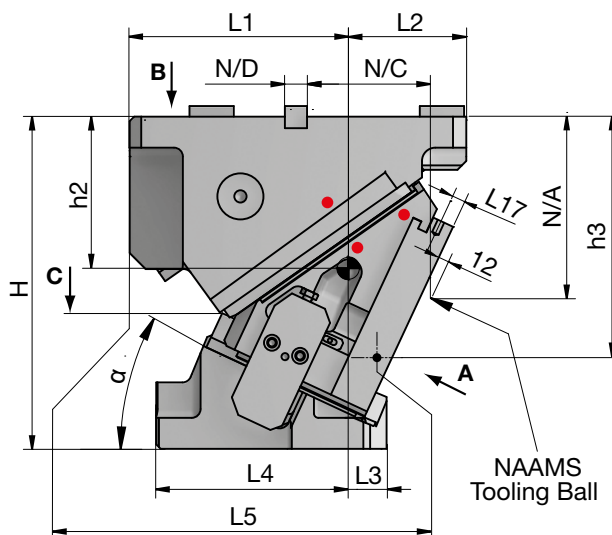
### Oben hängender Normschieber SN 5650-PMO-0260

### Aerial cam unit SN 5650-PMO-0260

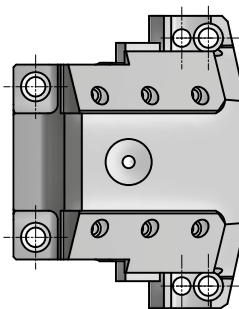
### Coulisseau suspendu SN 5650-PMO-0260



A



B



C

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 412              | > 616               | > 616                     | 2                     | 46                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0260

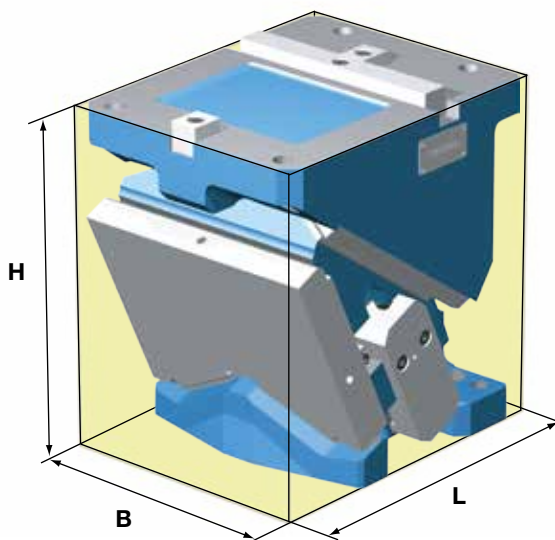


SN 5650-PMO-0260- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



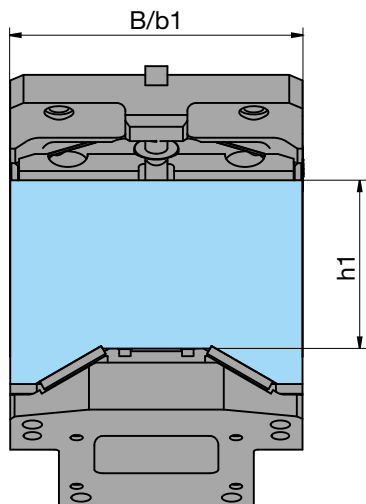
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 275    | 277    | 282    | 287    | 295    | 295    | 305    | 305    | 305    | 305    | 320    | 320    | 325    | 325    | 340    | 340    |
| <b>B</b>   | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    | 10°    |
| <b>s</b>   | 35,46  | 36,91  | 39,24  | 41,24  | 44,19  | 47,00  | 50,92  | 49,69  | 54,67  | 60,24  | 67,80  | 68,81  | 70,77  | 73,14  | 77,22  | 83,71  |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     | 22     |
| <b>S2</b>  | 38,0   | 40,0   | 41,6   | 44,1   | 46,4   | 49,7   | 53,0   | 52,0   | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   | 84,7   |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>b1</b>  | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>h1</b>  | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    | 135    |
| <b>h2</b>  | 130    | 130    | 130    | 130    | 140    | 140    | 145    | 145    | 155    | 155    | 165    | 165    | 175    | 175    | 180    | 180    |
| <b>h3</b>  | 170,00 | 175,95 | 181,55 | 186,75 | 194,69 | 197,38 | 204,64 | 206,45 | 217,78 | 218,64 | 229,01 | 228,90 | 238,30 | 237,22 | 240,67 | 238,65 |
| <b>L1</b>  | 185    | 185    | 185    | 185    | 195    | 195    | 195    | 195    | 190    | 190    | 190    | 190    | 190    | 190    | 190    | 190    |
| <b>L2</b>  | 90     | 90     | 95     | 95     | 100    | 100    | 110    | 110    | 115    | 115    | 120    | 120    | 125    | 125    | 140    | 140    |
| <b>L3</b>  | 90     | 90     | 72     | 72     | 35     | 35     | 15     | 15     | -5     | -5     | -25    | -25    | -40    | -40    | -55    | -55    |
| <b>L4</b>  | 155    | 155    | 170    | 170    | 180    | 180    | 180    | 180    | 190    | 190    | 200    | 200    | 200    | 200    | 200    | 200    |
| <b>L5</b>  | 255,00 | 251,25 | 246,99 | 242,26 | 228,30 | 223,41 | 218,30 | 213,02 | 202,59 | 197,07 | 191,50 | 185,91 | 180,36 | 174,88 | 169,51 | 164,30 |
| <b>N/A</b> | 170    | 175    | 180    | 185    | 190    | 195    | 205    | 215    | 225    | 235    | 245    | 255    | 265    | 265    | 265    | 265    |
| <b>N/C</b> | 180,5  | 173    | 165,5  | 156,5  | 149    | 140    | 132,5  | 125    | 117,5  | 111,5  | 105,5  | 120    | 113    | 113    | 70     | 60     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

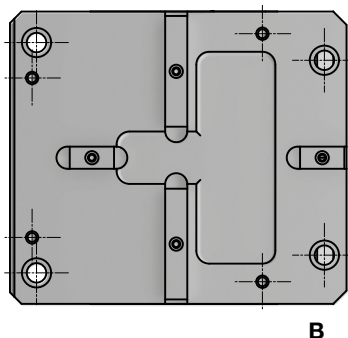
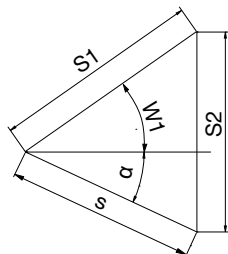
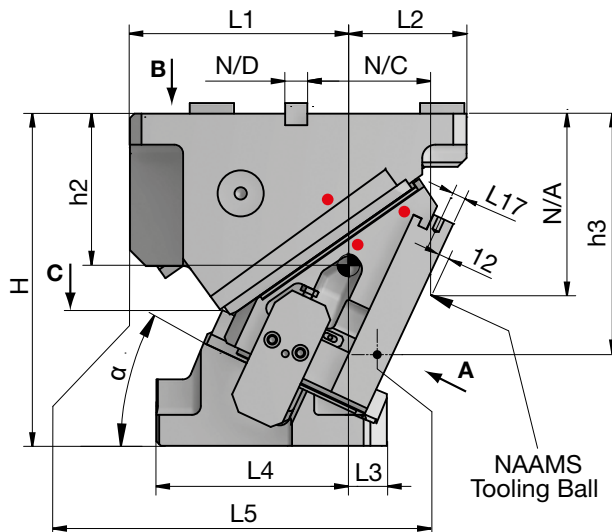
### Oben hängender Normschieber SN 5650-PMO-0330

### Aerial cam unit SN 5650-PMO-0330

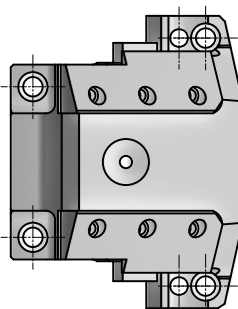
### Coulisseau suspendu SN 5650-PMO-0330



A



B



C

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 813              | > 912               | > 912                     | 8                     | 68                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0330



SN 5650-PMO-0330- $\alpha$ -B/M/P-N/Z

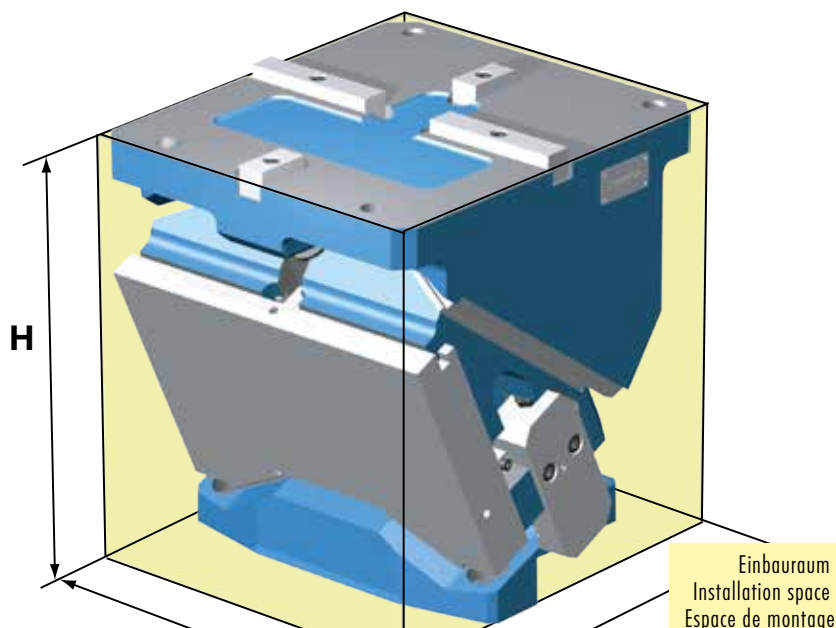
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage

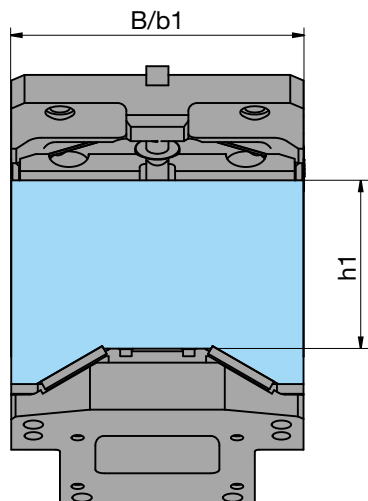


| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 355    | 362    | 375    | 375    | 380    | 380    | 390    | 390    | 385    | 385    | 400    | 400    | 410    | 410    | 420    |
| <b>B</b>   | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    | 12°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   | 77,2   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     | 27     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   | 78,2   |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>b1</b>  | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>h1</b>  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| <b>h2</b>  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    | 215    |
| <b>h3</b>  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 | 308,14 |
| <b>L1</b>  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 225    | 225    | 225    |
| <b>L2</b>  | 105    | 105    | 125    | 125    | 130    | 130    | 140    | 140    | 140    | 140    | 150    | 150    | 160    | 160    | 170    |
| <b>L3</b>  | 105    | 105    | 85     | 85     | 40     | 40     | 20     | 20     | -10    | -10    | -35    | -35    | -60    | -60    | -80    |
| <b>L4</b>  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 240    | 240    | 250    | 250    | 250    | 250    | 250    |
| <b>L5</b>  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 190,72 | 182,08 | 173,77 |
| <b>N/A</b> | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    | 300    |
| <b>N/C</b> | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

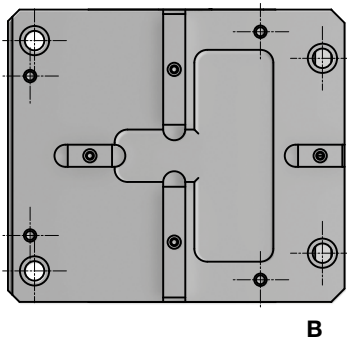
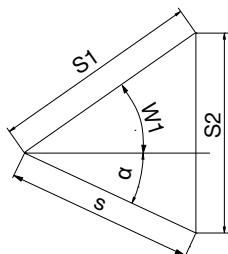
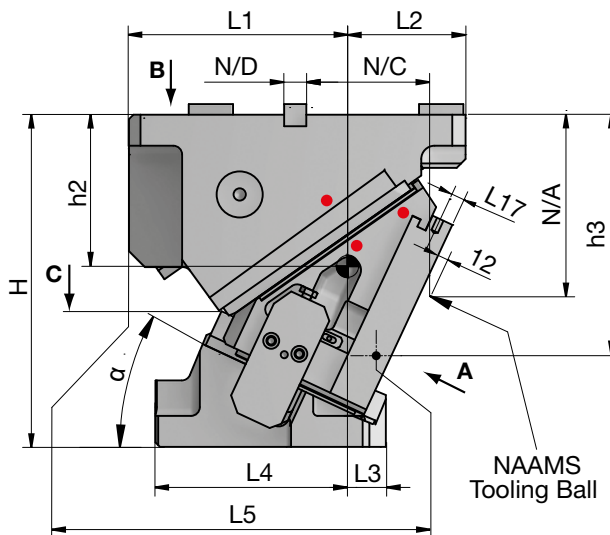
### Oben hängender Normschieber SN 5650-PMO-0400

### Aerial cam unit SN 5650-PMO-0400

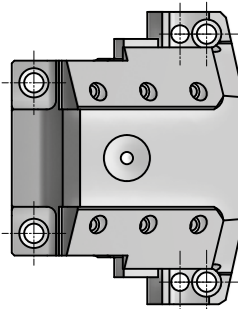
### Coulisseau suspendu SN 5650-PMO-0400



A



B



C

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 851              | > 1248              | > 1248                    | 8                     | 65                           | -                      |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0400

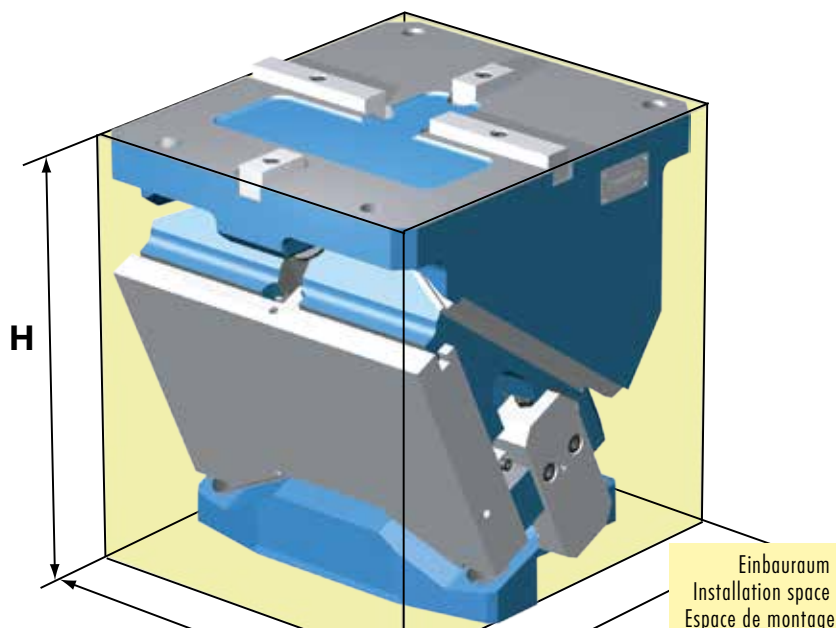


SN 5650-PMO-0400- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage

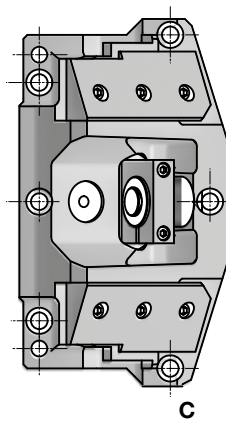
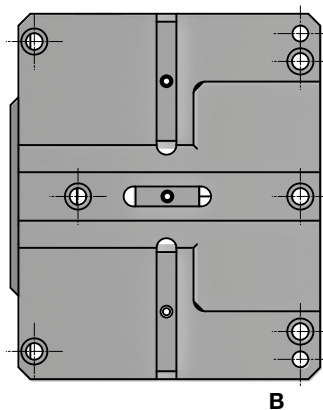
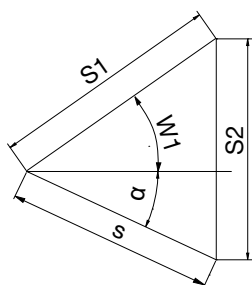
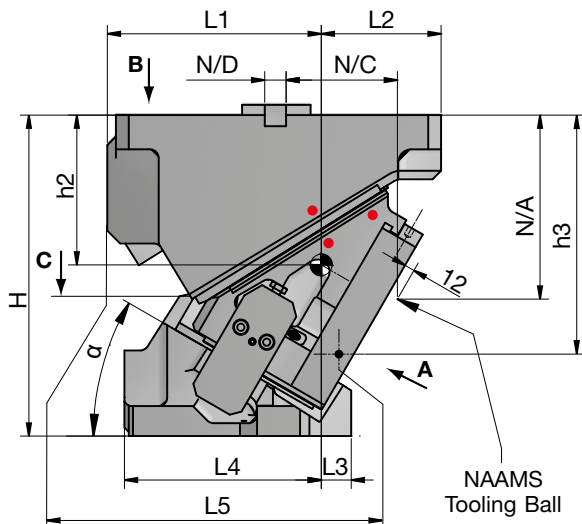
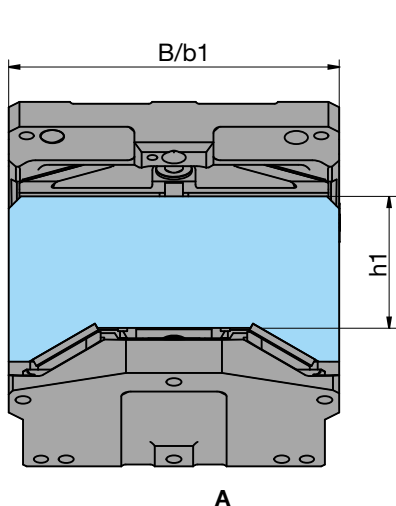


| $\alpha$   | 0°   | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 355  | 363    | 375    | 375    | 380    | 380    | 390    | 390    | 385    | 385    | 400    | 400    | 410    | 410    |
| <b>B</b>   | 400  | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>H</b>   | 375  | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°  | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| <b>s</b>   | 35,5 | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,9   | 70,8   | 73,1   |
| <b>S1</b>  | 52   | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| <b>S2</b>  | 38   | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| <b>H</b>   | 375  | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 400  | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>b1</b>  | 400  | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>h1</b>  | 185  | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    | 185    |
| <b>h2</b>  | 165  | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| <b>h3</b>  | 245  | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| <b>L1</b>  | 250  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 225    | 225    |
| <b>L2</b>  | 105  | 105    | 125    | 125    | 130    | 130    | 140    | 140    | 140    | 140    | 150    | 150    | 160    | 160    |
| <b>L3</b>  | 105  | 105    | 85     | 85     | 40     | 40     | 20     | 20     | -10    | -10    | -35    | -35    | -60    | -60    |
| <b>L4</b>  | 185  | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 240    | 240    | 250    | 250    | 250    | 250    |
| <b>L5</b>  | 340  | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,46 | 247,20 | 237,93 | 223,71 | 214,62 | 190,72 | 182,08 |
| <b>N/A</b> | 180  | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| <b>N/C</b> | 193  | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| <b>N/D</b> | 25   | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

### Oben hängender Normschieber SN 5650-PMO-0460

### Aerial cam unit SN 5650-PMO-0460

### Coulisseau suspendu SN 5650-PMO-0460



#### Positionskontrolle: Control of position: Contrôle de la position:



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMO-Type 1



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMO-Type     |
| > 832              | > 1253              | > 1253                    | 8                     | 68                           | 83                     |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0460

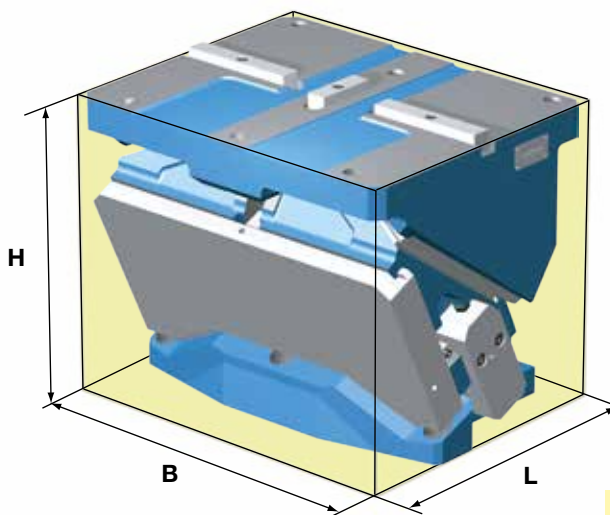


SN 5650-PMO-0460- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



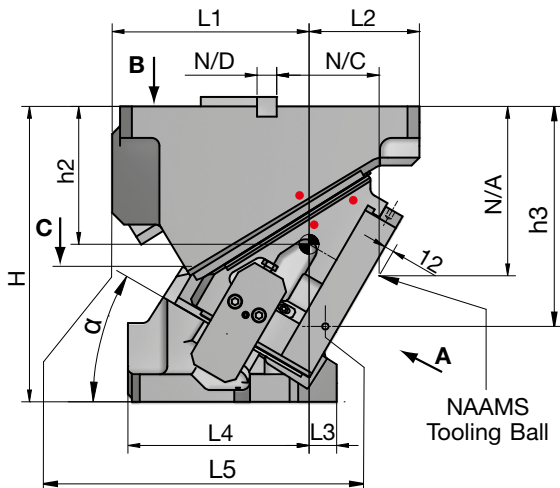
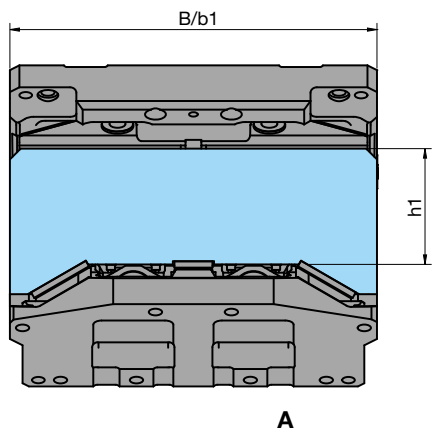
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| <b>B</b>   | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| <b>s</b>   | 35,5   | 36,9   | 39,2   | 41,2   | 44,2   | 47     | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,9   | 70,8   | 73,1   |
| <b>S1</b>  | 52     | 52     | 52     | 52     | 52     | 52     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| <b>S2</b>  | 38     | 40     | 41,6   | 44,1   | 46,4   | 49,7   | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    |
| <b>b1</b>  | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    | 460    |
| <b>h1</b>  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| <b>h2</b>  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| <b>h3</b>  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| <b>L1</b>  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| <b>L2</b>  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| <b>L3</b>  | 115    | 115    | 95     | 95     | 55     | 55     | 35     | 35     | 15     | 15     | -10    | -10    | -35    | -35    |
| <b>L4</b>  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| <b>L5</b>  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| <b>N/A</b> | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| <b>N/C</b> | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

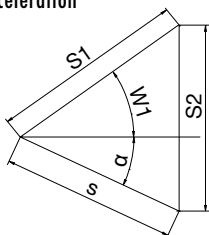
## Oben hängender Normschieber SN 5650-PMO-0580

## Aerial cam unit SN 5650-PMO-0580

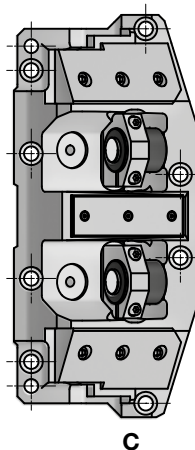
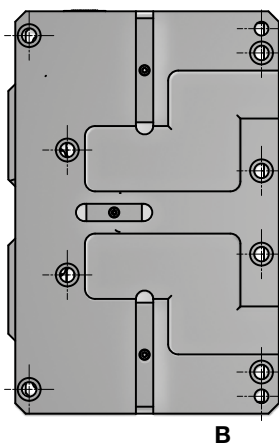
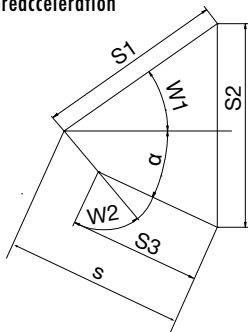
## Coulisseau suspendu SN 5650-PMO-0580



30°- 65°  
ohne Vorbeschleunigung  
without pre-acceleration  
sans préaccélération



0°- 25°  
mit Vorbeschleunigung  
with pre-acceleration  
avec préaccélération



Positionskontrolle:  
Control of position:  
Contrôle de la position:

Pos. 1

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMO-Type 2



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMO-Type     |
| > 1065             | > 1500              | > 1500                    | 17                    | 78                           | 102                    |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0580

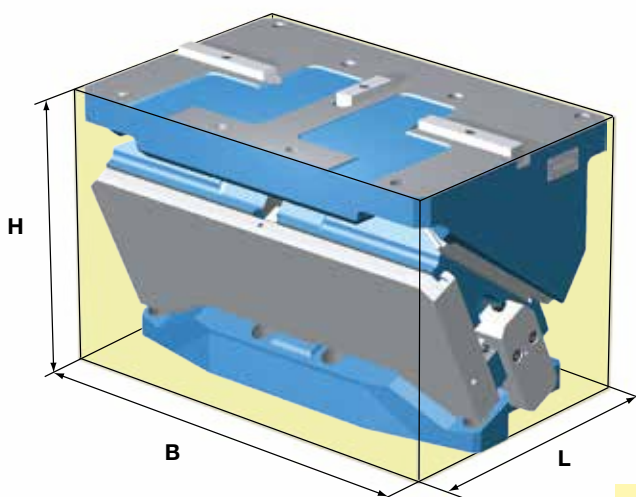


SN 5650-PMO-0580- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



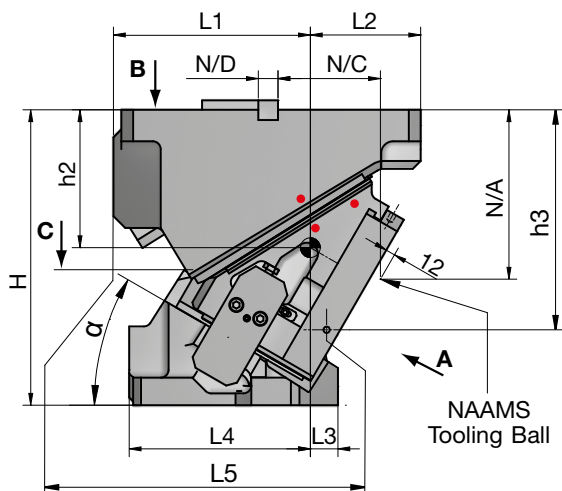
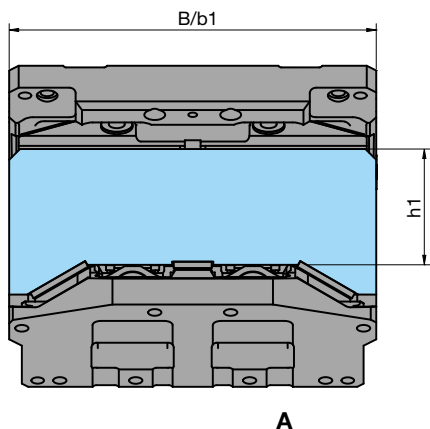
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| <b>B</b>   | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| <b>W2</b>  | 30°    | 30°    | 30°    | 30°    | 25°    | 25°    | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>s</b>   | 45,7   | 48,2   | 51,8   | 55,5   | 50,2   | 54,7   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   |
| <b>S1</b>  | 67     | 67     | 67     | 67     | 57     | 57     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| <b>S2</b>  | 55,2   | 59,2   | 60,5   | 66,1   | 55,9   | 62     | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| <b>S3</b>  | 35     | 35     | 40     | 40     | 40     | 40     | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    |
| <b>b1</b>  | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    | 580    |
| <b>h1</b>  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| <b>h2</b>  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| <b>h3</b>  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| <b>L1</b>  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| <b>L2</b>  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| <b>L3</b>  | 115,0  | 115,0  | 95,0   | 95,0   | 55,0   | 55,0   | 35,0   | 35,0   | 15,0   | 15,0   | -10,0  | -10,0  | -35,5  | 35,5   |
| <b>L4</b>  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| <b>L5</b>  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| <b>N/A</b> | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| <b>N/C</b> | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

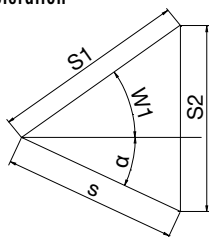
## Oben hängender Normschieber SN 5650-PMO-0700

**Aerial cam unit**  
**SN 5650-PMO-0700**

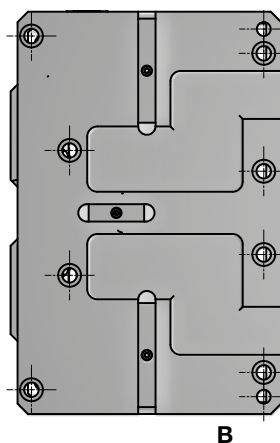
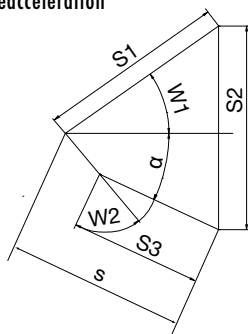
## Coulisseau suspendu SN 5650-PMO-0700



30°- 65°  
ohne Vorbeschleunigung  
without pre-acceleration  
sans préaccélération



0°- 25°  
mit Vorbeschleunigung  
with pre-acceleration  
avec préaccélération



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

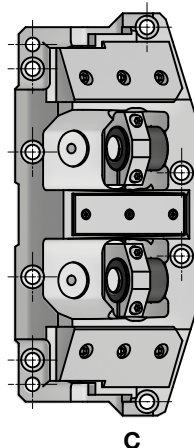
**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PM0-Type 2



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* =   Maße NAAMS  
N/\* =   Dimensions NAAMS  
N/\* =   Dimensions NAAMS

(Z) =   Maße nur für Zylinderstift Zentrierung  
(Z) =   Dimensions only for dowel pin alignment  
(Z) =   Dimensions seulement pour le centrage  
          de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pressage<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMO-Type     |
| > 1295             | > 1750              | > 1750                    | 17                    | 78                           | 102                    |
|                    |                     |                           |                       |                              |                        |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0700



SN 5650-PMO-0700-α-B/M/P-N/Z

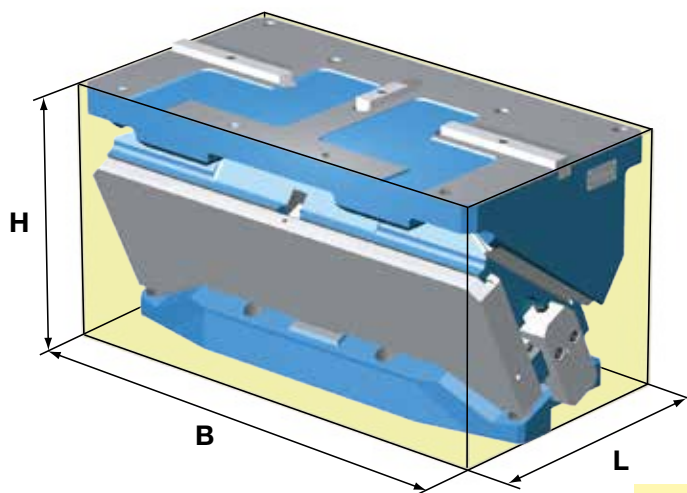
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



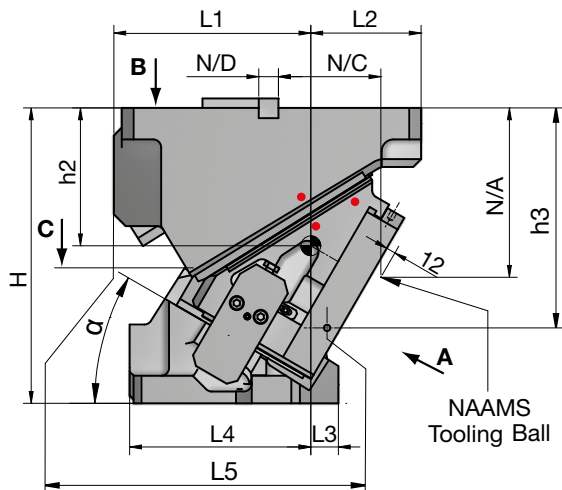
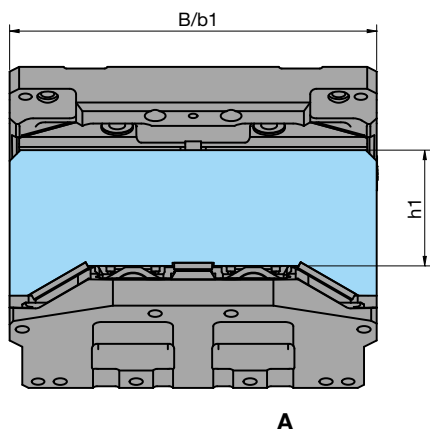
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| B   | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    |
| H   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| W2  | 30°    | 30°    | 30°    | 30°    | 25°    | 25°    | -      | -      | -      | -      | -      | -      | -      | -      |
| s   | 45,7   | 48,2   | 51,8   | 55,5   | 50,2   | 54,7   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   |
| S1  | 67     | 67     | 67     | 67     | 57     | 57     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| S2  | 55,2   | 59,2   | 60,5   | 66,1   | 55,9   | 62     | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| S3  | 35     | 35     | 40     | 40     | 40     | 40     | -      | -      | -      | -      | -      | -      | -      | -      |
| H   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    |
| b1  | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    | 700    |
| h1  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| h2  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| h3  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| L1  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| L2  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| L3  | 115,0  | 115,0  | 95,0   | 95,0   | 55,0   | 55,0   | 35,0   | 35,0   | 15,0   | 15,0   | -10,0  | -10,0  | -37,1  | -37,1  |
| L4  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| L5  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| N/A | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| N/C | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

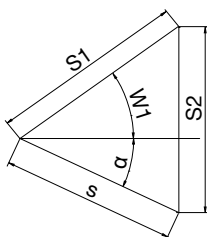
### Oben hängender Normschieber SN 5650-PMO-0850

### Aerial cam unit SN 5650-PMO-0850

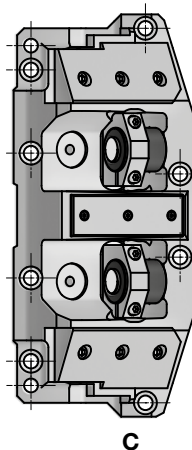
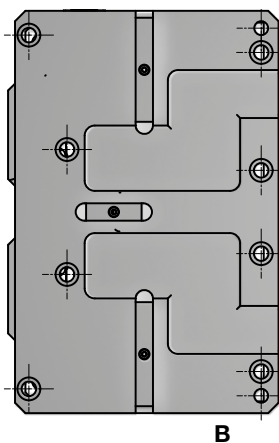
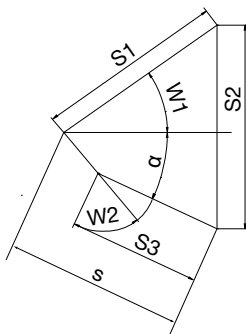
### Coulisseau suspendu SN 5650-PMO-0850



30°- 65°  
ohne Vorbeschleunigung  
without pre-acceleration  
sans préaccélération



0°- 25°  
mit Vorbeschleunigung  
with pre-acceleration  
avec préaccélération



Positionskontrolle:  
Control of position:  
Contrôle de la position:

Pos. 1

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMO-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMO-Type     |
| > 1250             | > 2000              | > 2000                    | 17                    | 78                           | 117                    |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-0850



SN 5650-PMO-0850-α-B/M/P-N/Z

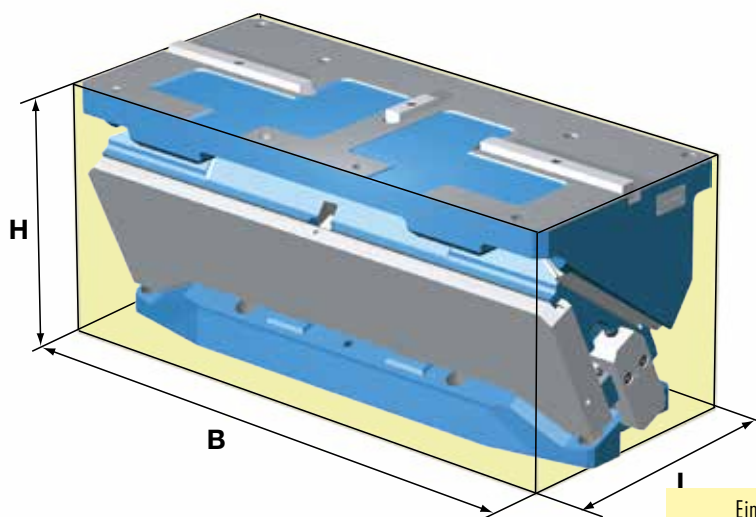
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



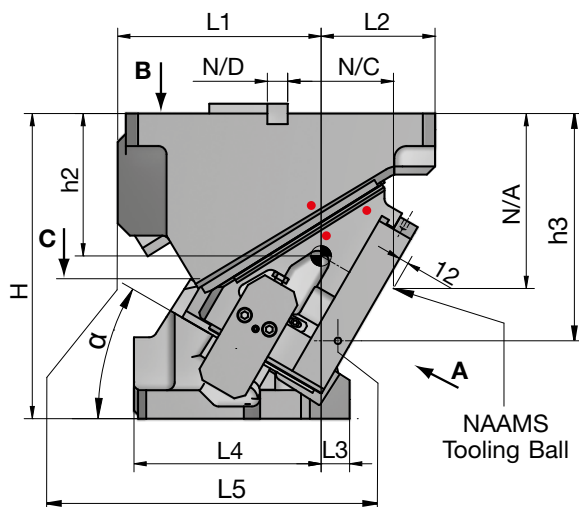
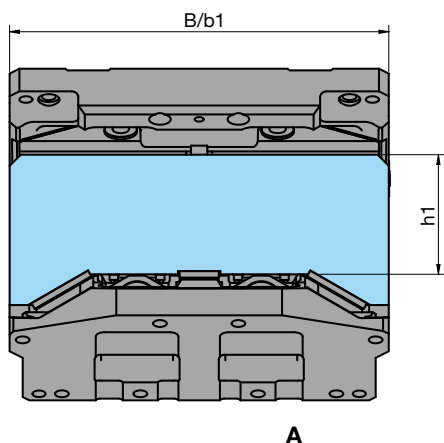
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| <b>B</b>   | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| <b>W2</b>  | 30°    | 30°    | 30°    | 30°    | 25°    | 25°    | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>s</b>   | 45,7   | 48,2   | 51,8   | 55,5   | 50,2   | 54,7   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   |
| <b>S1</b>  | 67     | 67     | 67     | 67     | 57     | 57     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| <b>S2</b>  | 55,2   | 59,2   | 60,5   | 66,1   | 55,9   | 62     | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| <b>S3</b>  | 35     | 35     | 40     | 40     | 40     | 40     | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    |
| <b>b1</b>  | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    | 850    |
| <b>h1</b>  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| <b>h2</b>  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| <b>h3</b>  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| <b>L1</b>  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| <b>L2</b>  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| <b>L3</b>  | 115,0  | 115,0  | 95,0   | 95,0   | 55,0   | 55,0   | 35,0   | 35,0   | 15,0   | 15,0   | -10,0  | -10,0  | -37,1  | -37,1  |
| <b>L4</b>  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| <b>L5</b>  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| <b>N/A</b> | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| <b>N/C</b> | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

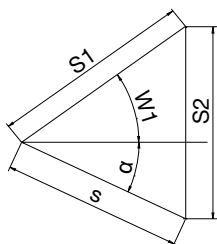
### Oben hängender Normschieber SN 5650-PMO-1000

### Aerial cam unit SN 5650-PMO-1000

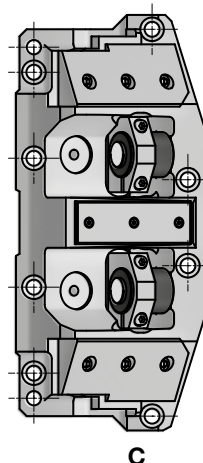
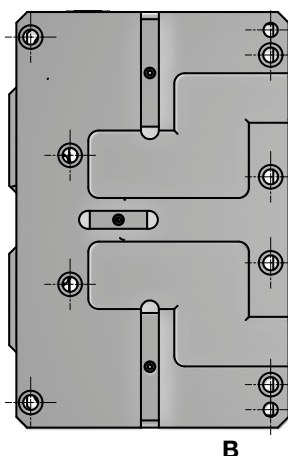
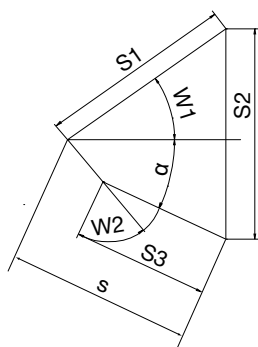
### Coulisseau suspendu SN 5650-PMO-1000



30°- 65°  
ohne Vorbeschleunigung  
without pre-acceleration  
sans préaccélération



0°- 25°  
mit Vorbeschleunigung  
with pre-acceleration  
avec préaccélération



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMO-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pressage<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN] | Force à retour<br>[kN]        |
|--------------------|---------------------|---------------------------|-----------------------|--------------------------|-------------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium /<br>Standard     | Premium<br>+ SN 5652-PMO-Type |
| > 1537             | > 2250              | > 2250                    | 25                    | 78                       | 123                           |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-1000

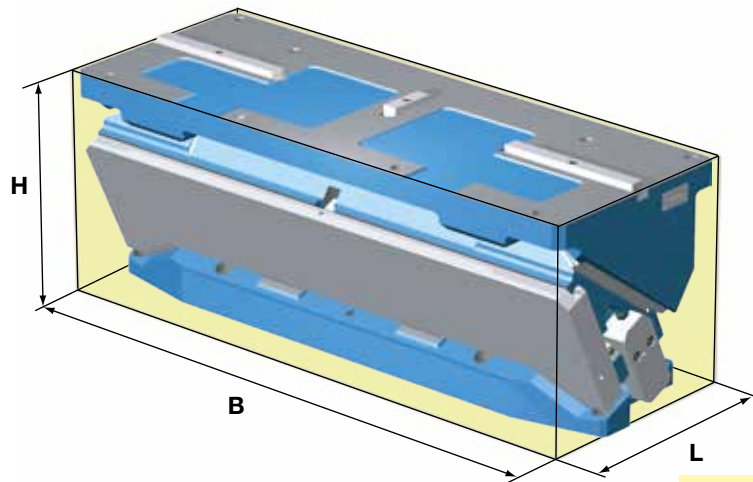


SN 5650-PMO-1000- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



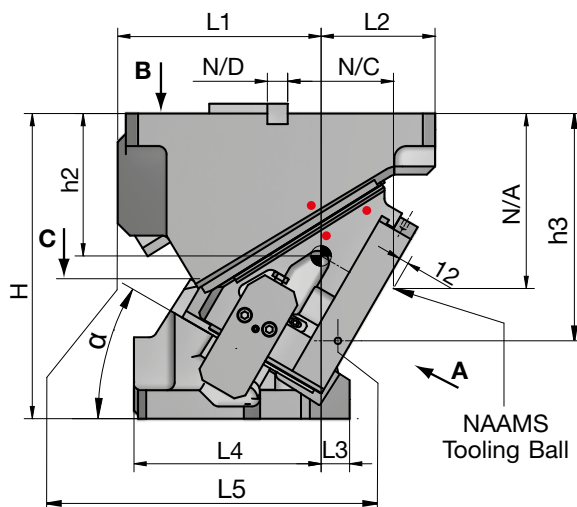
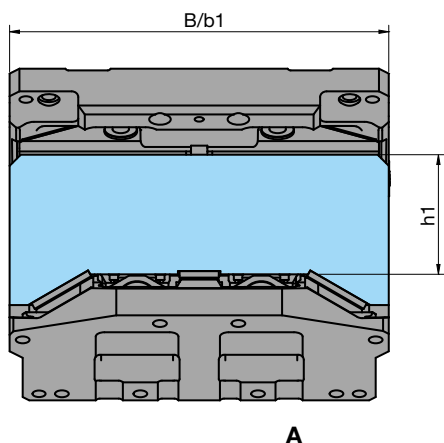
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| <b>B</b>   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| <b>W2</b>  | 30°    | 30°    | 30°    | 30°    | 25°    | 25°    | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>s</b>   | 45,7   | 48,2   | 51,8   | 55,5   | 50,2   | 54,7   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   |
| <b>S1</b>  | 67     | 67     | 67     | 67     | 57     | 57     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| <b>S2</b>  | 55,2   | 59,2   | 60,5   | 66,1   | 55,9   | 62     | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| <b>S3</b>  | 35     | 35     | 40     | 40     | 40     | 40     | -      | -      | -      | -      | -      | -      | -      | -      |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| <b>b1</b>  | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| <b>h1</b>  | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    | 177    |
| <b>h2</b>  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| <b>h3</b>  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| <b>L1</b>  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| <b>L2</b>  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| <b>L3</b>  | 115,0  | 115,0  | 95,0   | 95,0   | 55,0   | 55,0   | 35,0   | 35,0   | 15,0   | 15,0   | -10,0  | -10,0  | -37,1  | -37,1  |
| <b>L4</b>  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| <b>L5</b>  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,20 | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| <b>N/A</b> | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| <b>N/C</b> | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

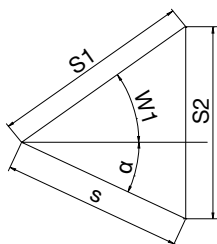
### Oben hängender Normschieber SN 5650-PMO-1200

### Aerial cam unit SN 5650-PMO-1200

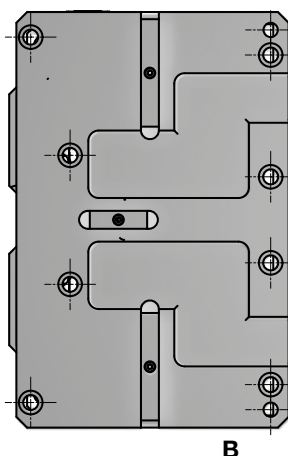
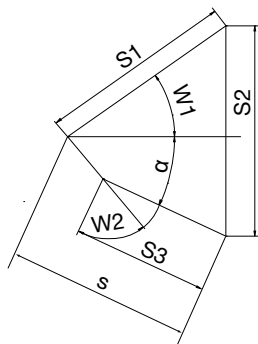
### Coulisseau suspendu SN 5650-PMO-1200



30° - 65°  
ohne Vorbeschleunigung  
without pre-acceleration  
sans préaccélération



0° - 25°  
mit Vorbeschleunigung  
with pre-acceleration  
avec préaccélération



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMO-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pres-<br>sage<br>[kN] | Rückzugs-<br>kraft<br>[kN] | Retraction<br>force<br>[kN]  | Force à<br>retour<br>[kN] |
|--------------------|---------------------|--------------------------------|----------------------------|------------------------------|---------------------------|
| Basis              | Medium              | Premium                        | Basis                      | Medium / Premium<br>Standard | + SN 5652-PMO-Type        |
| > 1792             | > 2500              | > 2500                         | 17                         | 78                           | 138                       |

### Oben hängender Normschieber

### Aerial cam unit

### Coulisseau suspendu

#### SN 5650-PMO-1200



SN 5650-PMO-1200-α-B/M/P-N/Z

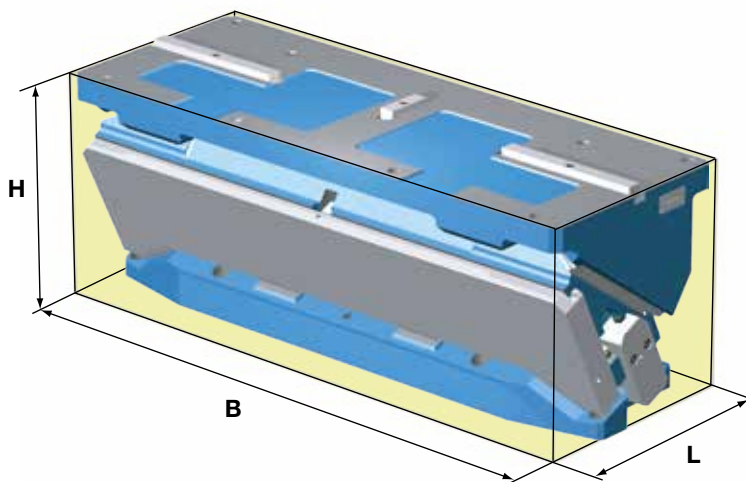
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clarette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



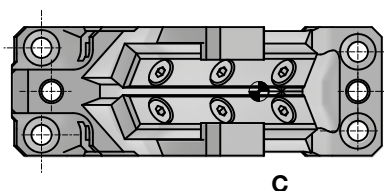
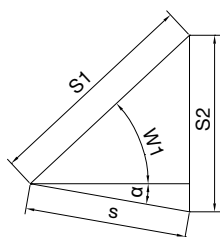
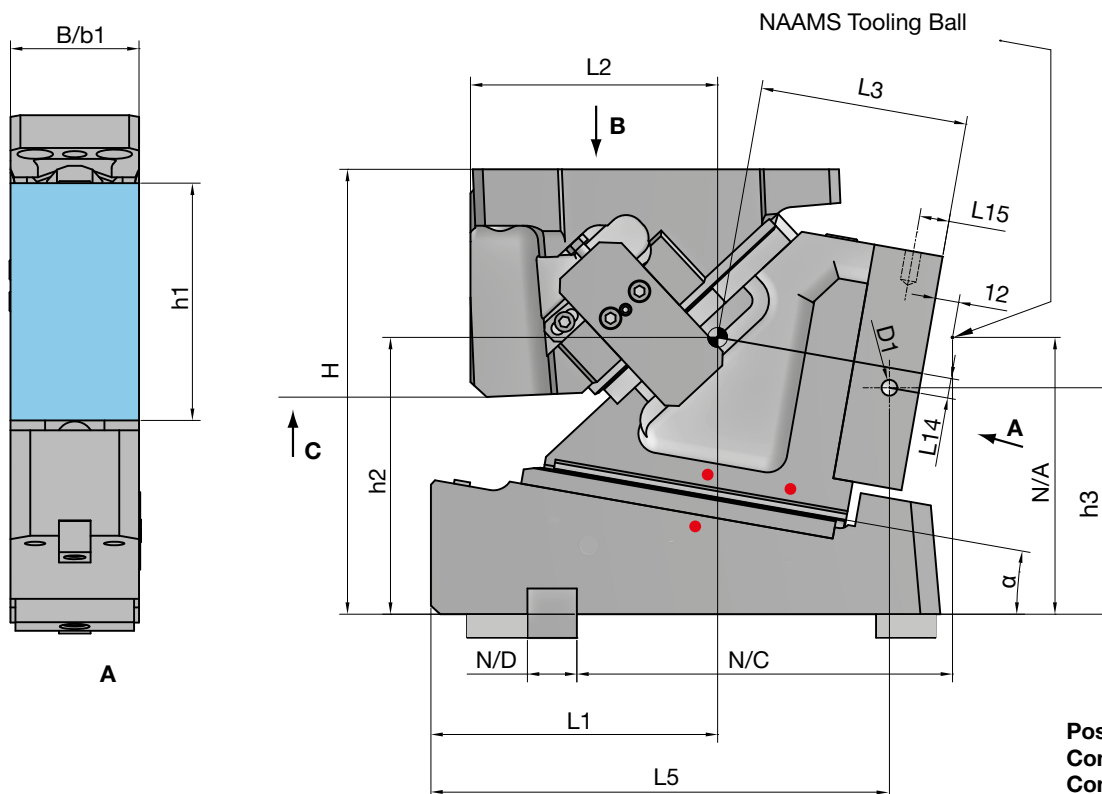
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L   | 365    | 365    | 375    | 375    | 380    | 380    | 390    | 390    | 395    | 395    | 415    | 415    | 425    | 425    |
| B   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 47°    | 45°    | 42°    | 40°    | 37°    | 35°    | 32°    | 30°    | 27°    | 25°    | 22°    | 20°    | 17°    | 15°    |
| W2  | 30°    | 30°    | 30°    | 30°    | 25°    | 25°    | -      | -      | -      | -      | -      | -      | -      | -      |
| s   | 45,7   | 48,2   | 51,8   | 55,5   | 50,2   | 54,7   | 50,9   | 49,7   | 54,7   | 60,2   | 67,8   | 68,8   | 70,8   | 73,1   |
| S1  | 67     | 67     | 67     | 67     | 57     | 57     | 52     | 47     | 47     | 47     | 47     | 42     | 37     | 32     |
| S2  | 55,2   | 59,2   | 60,5   | 66,1   | 55,9   | 62     | 53     | 52     | 56,5   | 62,5   | 69,5   | 70,7   | 72,1   | 74,6   |
| S3  | 35     | 35     | 40     | 40     | 40     | 40     | -      | -      | -      | -      | -      | -      | -      | -      |
| H   | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| b1  | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| h1  | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    | 175    |
| h2  | 165    | 165    | 165    | 165    | 170    | 170    | 175    | 175    | 185    | 185    | 195    | 195    | 205    | 205    |
| h3  | 245,00 | 252,54 | 259,41 | 265,57 | 269,12 | 272,09 | 279,28 | 280,68 | 291,28 | 291,07 | 300,05 | 298,23 | 305,62 | 302,25 |
| L1  | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 250    | 245    | 245    | 240    | 240    | 230    | 230    |
| L2  | 110    | 110    | 125    | 125    | 130    | 130    | 140    | 140    | 150    | 150    | 155    | 155    | 165    | 165    |
| L3  | 115    | 115    | 95     | 95     | 55     | 55     | 35     | 35     | 15     | 15     | -10    | -10    | -37,1  | -37,1  |
| L4  | 185    | 185    | 215    | 215    | 220    | 220    | 230    | 230    | 245    | 245    | 260    | 260    | 260    | 260    |
| L5  | 340,00 | 332,69 | 324,74 | 316,23 | 288,42 | 279,63 | 270,62 | 261,45 | 247,2  | 237,93 | 223,71 | 214,62 | 195,72 | 187,08 |
| N/A | 180    | 185    | 190    | 195    | 200    | 205    | 215    | 225    | 235    | 245    | 265    | 285    | 300    | 300    |
| N/C | 193    | 182,5  | 172    | 161,5  | 151    | 140,5  | 130    | 121    | 112    | 103    | 94     | 86,5   | 79     | 79     |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     | 25     |

## Unten stehender Normschieber SN 5650-PMU-0065

**Die mount cam unit  
SN 5650-PMU-0065**

**Coulisseau monté en bas**  
**SN 5650-PMU-0065**

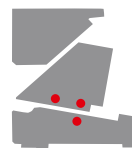


**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



Pos. 1

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

$N/\ast =$     Maße NAAMS  
 $N/\ast =$     Dimensions NAAMS  
 $N/\ast =$     Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage  
de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pressage<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN] | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|--------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium /<br>Standard     | Premium                |
| > 107              | > 184               | > 184                     | 1                     | 21                       | -                      |
|                    |                     |                           |                       |                          |                        |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0065

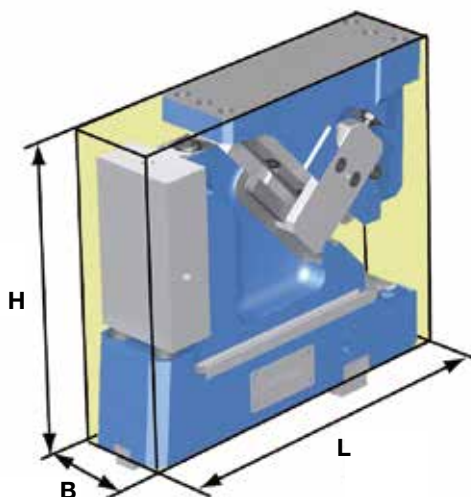


SN 5650-PMU-0065-α-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



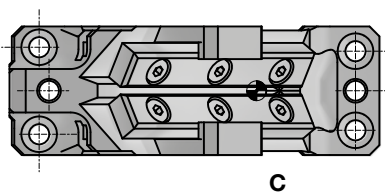
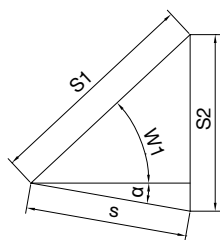
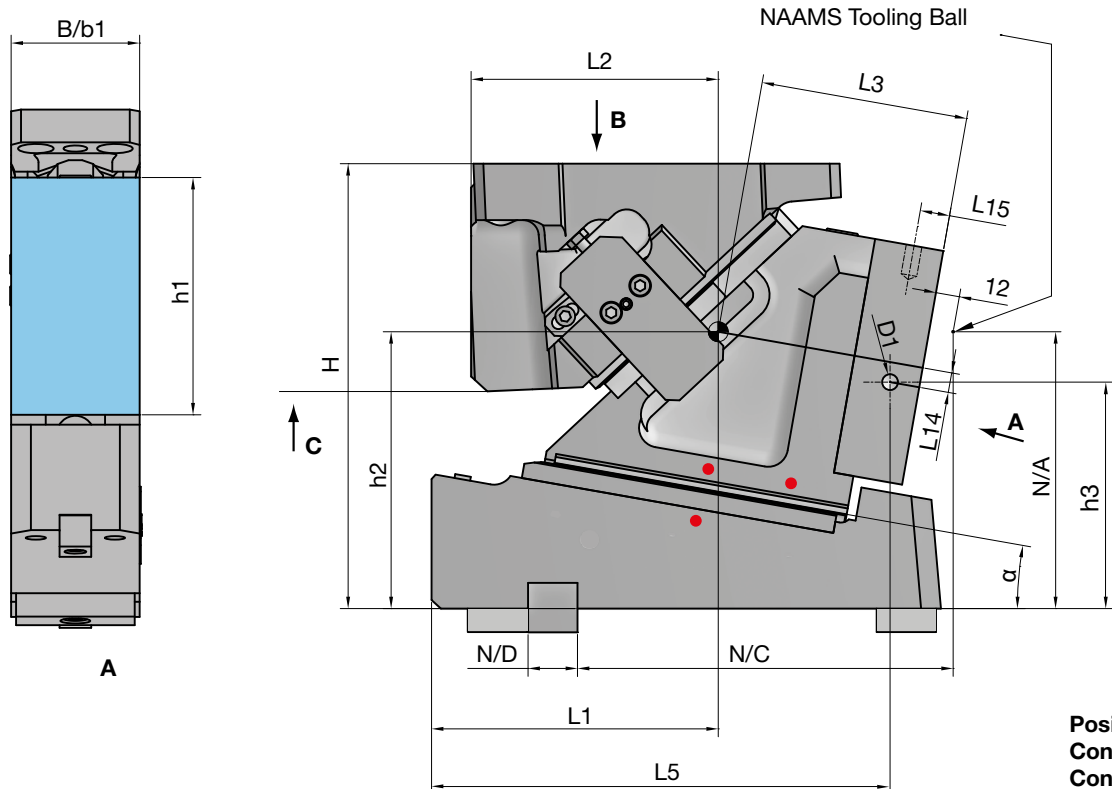
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 248    | 245    | 259    | 267    | 279    | 286    |
| <b>B</b>   | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 58     | 58     | 58     | 58     | 58     | 58     |
| <b>S1</b>  | 86,7   | 79     | 78,1   | 71,1   | 69,2   | 62,7   |
| <b>S2</b>  | 64,4   | 58,9   | 63,3   | 58,8   | 62,4   | 58,6   |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>B</b>   | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>b1</b>  | 65     | 65     | 65     | 65     | 65     | 65     |
| <b>h1</b>  | 120    | 120    | 120    | 120    | 120    | 120    |
| <b>h2</b>  | 140    | 140    | 140    | 140    | 145    | 145    |
| <b>h3</b>  | 130,00 | 122,19 | 114,52 | 107,05 | 104,82 | 97,90  |
| <b>L1</b>  | 125    | 135    | 145    | 150    | 160    | 165    |
| <b>L2</b>  | 125    | 120    | 125    | 120    | 135    | 130    |
| <b>L3</b>  | 105    | 105    | 105    | 105    | 105    | 105    |
| <b>L5</b>  | 215,00 | 223,79 | 231,90 | 234,35 | 241,15 | 242,34 |
| <b>N/A</b> | 160    | 150    | 140    | 135    | 130    | 130    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0090

### Die mount cam unit SN 5650-PMU-0090

### Coulisseau monté en bas SN 5650-PMU-0090



C



B

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 107              | > 184               | > 184                     | 1                     | 21                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0090

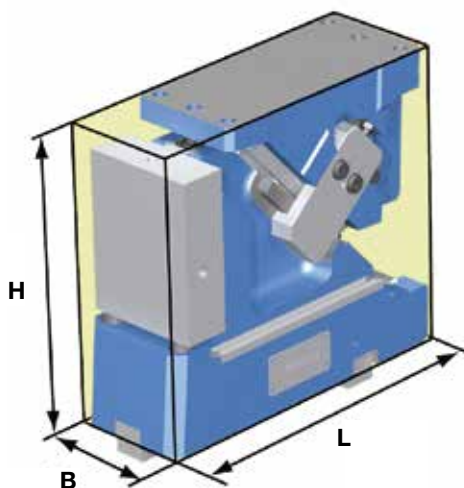


SN 5650-PMU-0090-α-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



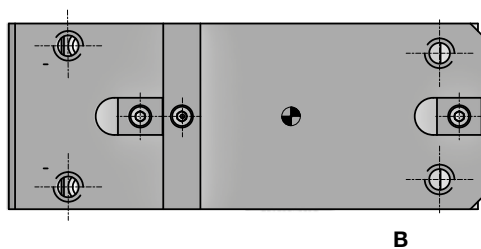
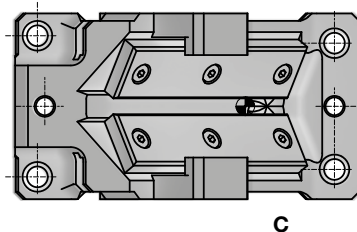
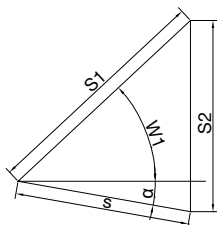
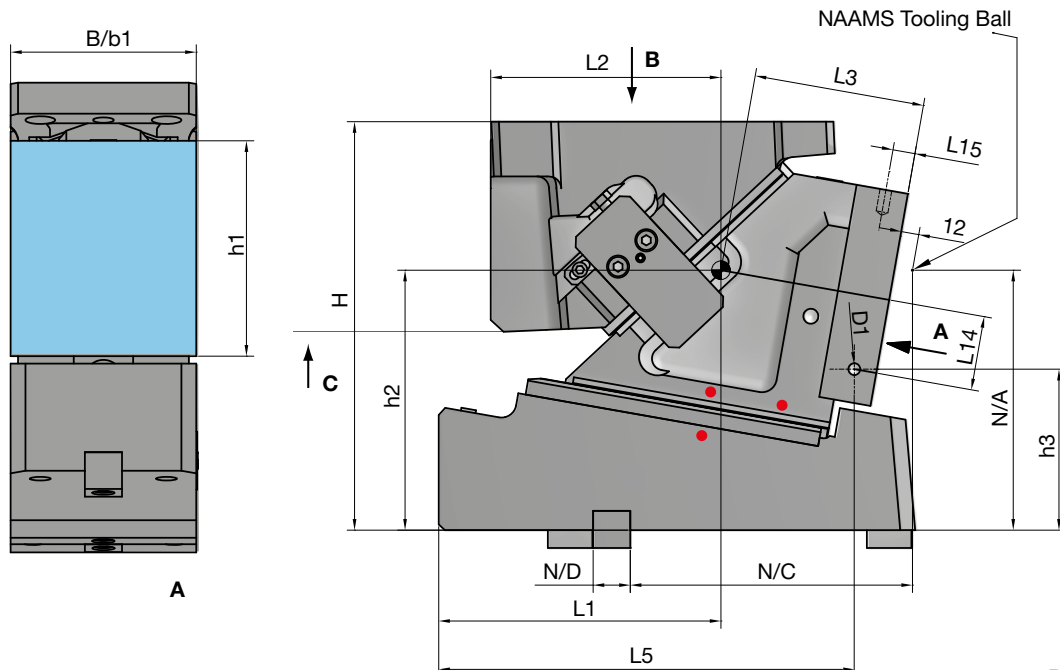
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 252    | 245    | 259    | 267    | 279    | 286    |
| <b>B</b>   | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 58     | 58     | 58     | 58     | 58     | 58     |
| <b>S1</b>  | 86,7   | 79     | 78,1   | 71,1   | 69,2   | 62,7   |
| <b>S2</b>  | 64,4   | 58,9   | 63,3   | 58,8   | 62,4   | 58,6   |
| <b>H</b>   | 225    | 225    | 225    | 225    | 225    | 225    |
| <b>B</b>   | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>b1</b>  | 90     | 90     | 90     | 90     | 90     | 90     |
| <b>h1</b>  | 120    | 120    | 120    | 120    | 120    | 120    |
| <b>h2</b>  | 140    | 140    | 140    | 140    | 145    | 145    |
| <b>h3</b>  | 130,00 | 122,19 | 114,52 | 107,05 | 104,82 | 97,90  |
| <b>L1</b>  | 130    | 135    | 145    | 150    | 160    | 165    |
| <b>L2</b>  | 130    | 125    | 130    | 125    | 140    | 135    |
| <b>L3</b>  | 105    | 105    | 105    | 105    | 105    | 105    |
| <b>L5</b>  | 220,00 | 223,79 | 231,90 | 234,35 | 241,15 | 242,34 |
| <b>N/A</b> | 160    | 150    | 140    | 135    | 130    | 130    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0125

### Die mount cam unit SN 5650-PMU-0125

### Coulisseau monté en bas SN 5650-PMU-0125



**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 277              | > 464               | > 464                     | 2                     | 26                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0125

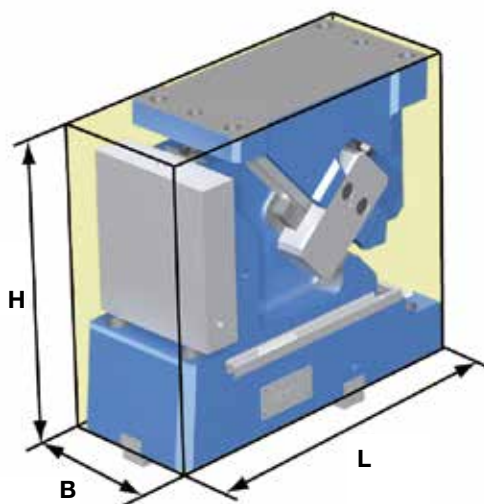


SN 5650-PMU-0125- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



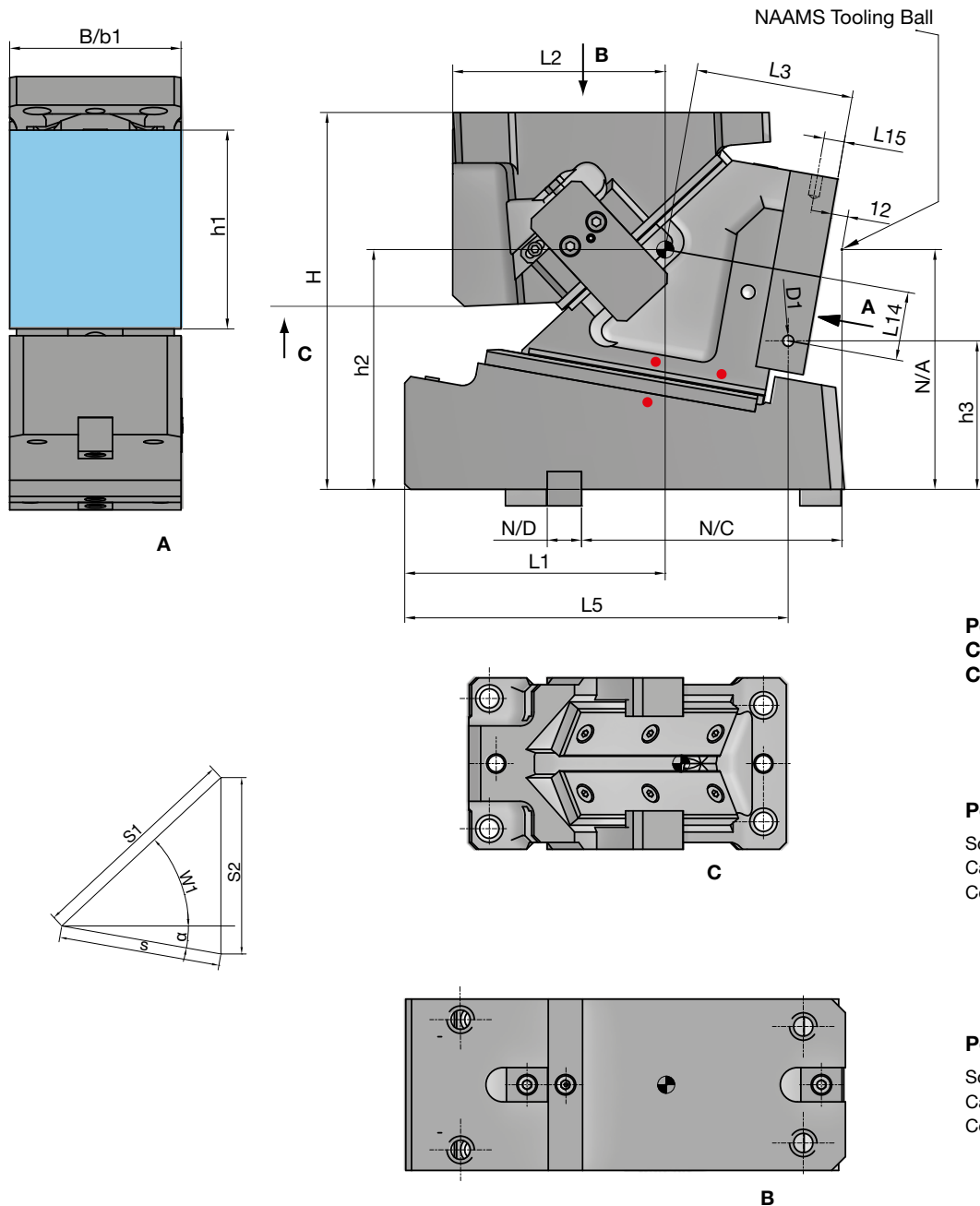
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 310    | 305    | 321    | 325    | 338    | 345    |
| <b>B</b>   | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>H</b>   | 275    | 275    | 275    | 275    | 275    | 275    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,6  | 95,3   | 94,3   | 85,8   | 83,7   | 75,6   |
| <b>S2</b>  | 77,7   | 71,1   | 76,4   | 70,9   | 75,3   | 70,8   |
| <b>H</b>   | 275    | 275    | 275    | 275    | 275    | 275    |
| <b>B</b>   | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>b1</b>  | 125    | 125    | 125    | 125    | 125    | 125    |
| <b>h1</b>  | 145    | 145    | 145    | 145    | 145    | 145    |
| <b>h2</b>  | 170    | 170    | 175    | 175    | 180    | 180    |
| <b>h3</b>  | 120,00 | 111,47 | 108,39 | 100,82 | 98,81  | 92,42  |
| <b>L1</b>  | 165    | 175    | 190    | 195    | 205    | 210    |
| <b>L2</b>  | 155    | 150    | 155    | 150    | 165    | 160    |
| <b>L3</b>  | 115    | 115    | 115    | 115    | 115    | 115    |
| <b>L5</b>  | 265,00 | 270,26 | 279,80 | 278,65 | 281,87 | 279,50 |
| <b>N/A</b> | 200    | 190    | 175    | 165    | 155    | 155    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0165

### Die mount cam unit SN 5650-PMU-0165

### Coulisseau monté en bas SN 5650-PMU-0165



#### Positionskontrolle: Control of position: Contrôle de la position:

##### Pos. 1

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

##### Pos. 2

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 498              | > 855               | > 855                     | 2                     | 47                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0165



SN 5650-PMU-0165-α-B/M/P-N/Z

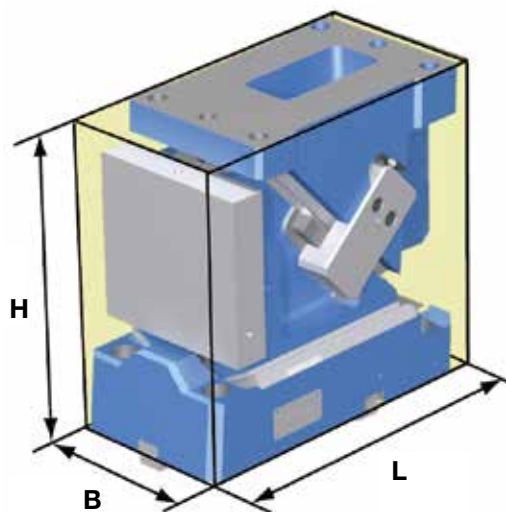
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



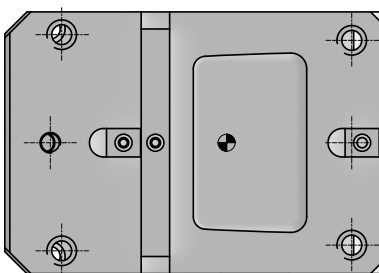
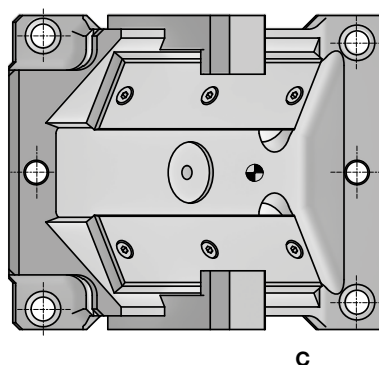
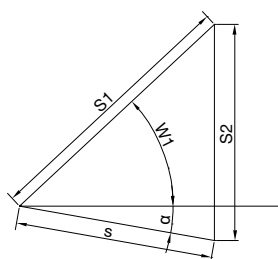
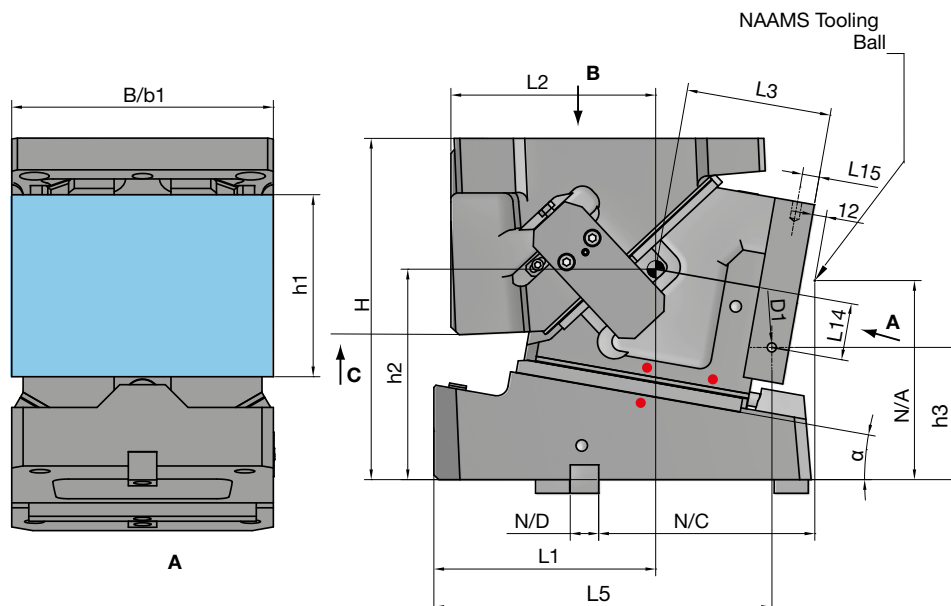
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 326    | 320    | 332    | 344    | 353    | 365    |
| <b>B</b>   | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,6  | 95,3   | 94,3   | 85,8   | 83,5   | 75,6   |
| <b>S2</b>  | 77,7   | 71,1   | 76,4   | 70,9   | 75,3   | 70,8   |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>b1</b>  | 165    | 165    | 165    | 165    | 165    | 165    |
| <b>h1</b>  | 160    | 160    | 160    | 160    | 160    | 160    |
| <b>h2</b>  | 180    | 180    | 185    | 185    | 195    | 195    |
| <b>h3</b>  | 130,00 | 120,82 | 117,09 | 108,88 | 111,25 | 104,25 |
| <b>L1</b>  | 170    | 180    | 195    | 205    | 210    | 220    |
| <b>L2</b>  | 165    | 160    | 180    | 175    | 200    | 195    |
| <b>L3</b>  | 122,5  | 122,5  | 122,5  | 122,5  | 122,5  | 122,5  |
| <b>L5</b>  | 277,50 | 282,73 | 292,18 | 295,90 | 293,92 | 296,30 |
| <b>N/A</b> | 200    | 190    | 175    | 165    | 155    | 155    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0230

### Die mount cam unit SN 5650-PMU-0230

### Coulisseau monté en bas SN 5650-PMU-0230



### Positionskontrolle: Control of position: Contrôle de la position:



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

|       |                                                                  |
|-------|------------------------------------------------------------------|
| N/* = | Maße NAAMS                                                       |
| N/* = | Dimensions NAAMS                                                 |
| N/* = | Dimensions NAAMS                                                 |
| (Z) = | Maße nur für Zylinderstift Zentrierung                           |
| (Z) = | Dimensions only for dowel pin alignment                          |
| (Z) = | Dimensions seulement pour le centrage de la goupille cylindrique |

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 498              | > 855               | > 855                     | 2                     | 47                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN5650-PMU-0230

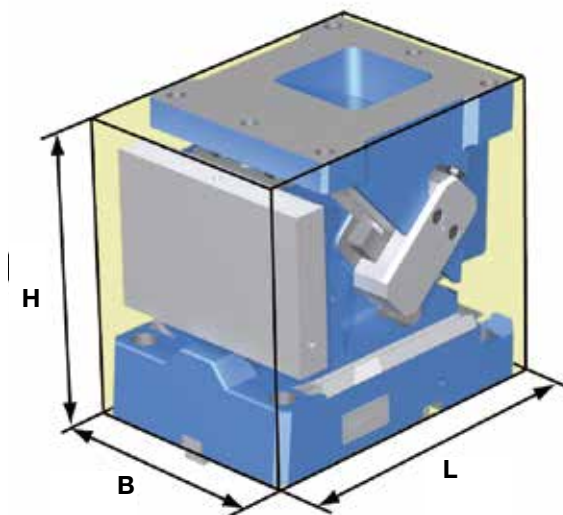


SN5650-PMU-0230- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



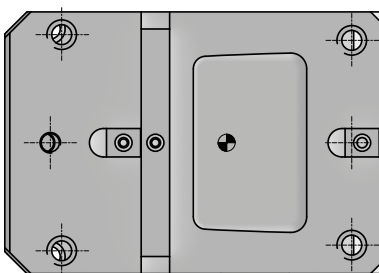
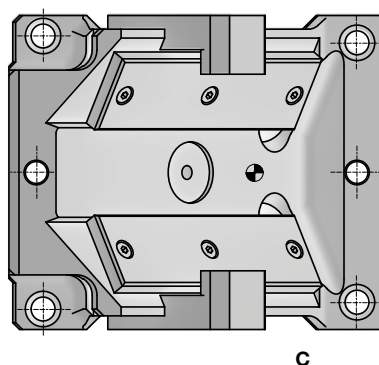
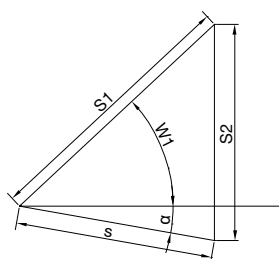
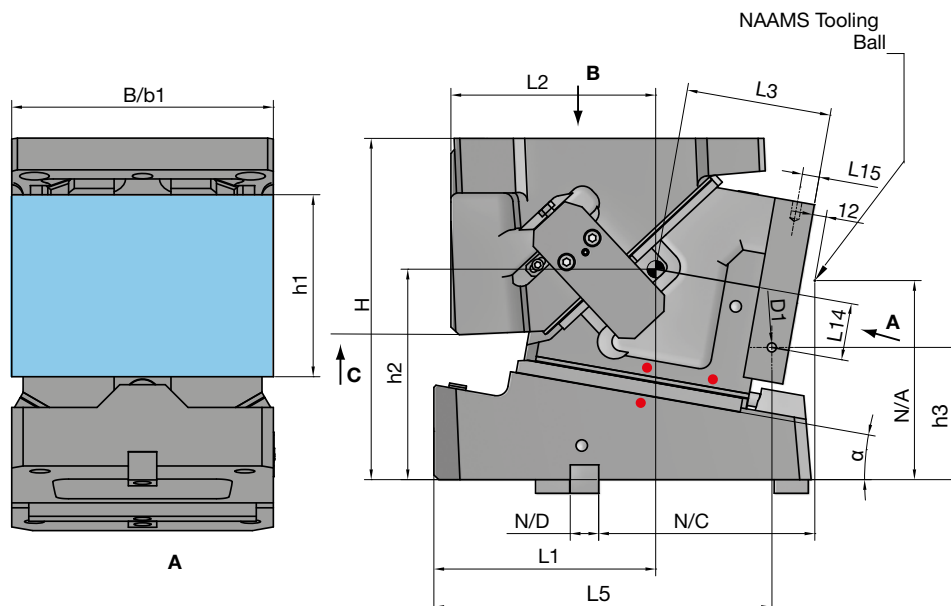
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 331    | 325    | 335    | 349    | 362    | 374    |
| <b>B</b>   | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,6  | 95,3   | 94,3   | 85,8   | 83,5   | 75,6   |
| <b>S2</b>  | 77,7   | 71,1   | 76,4   | 70,9   | 75,3   | 70,8   |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>b1</b>  | 230    | 230    | 230    | 230    | 230    | 230    |
| <b>h1</b>  | 160    | 160    | 160    | 160    | 160    | 160    |
| <b>h2</b>  | 180    | 180    | 185    | 185    | 190    | 190    |
| <b>h3</b>  | 130,00 | 120,39 | 116,22 | 107,59 | 104,54 | 97,14  |
| <b>L1</b>  | 175    | 185    | 195    | 205    | 215    | 225    |
| <b>L2</b>  | 165    | 160    | 180    | 175    | 200    | 195    |
| <b>L3</b>  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| <b>L5</b>  | 287,50 | 292,71 | 297,11 | 300,73 | 303,61 | 305,83 |
| <b>N/A</b> | 200    | 190    | 175    | 165    | 155    | 155    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0260

### Die mount cam unit SN 5650-PMU-0260

### Coulisseau monté en bas SN 5650-PMU-0260



### Positionskontrolle: Control of position: Contrôle de la position:



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

|       |                                                                  |
|-------|------------------------------------------------------------------|
| N/* = | Maße NAAMS                                                       |
| N/* = | Dimensions NAAMS                                                 |
| N/* = | Dimensions NAAMS                                                 |
| (Z) = | Maße nur für Zylinderstift Zentrierung                           |
| (Z) = | Dimensions only for dowel pin alignment                          |
| (Z) = | Dimensions seulement pour le centrage de la goupille cylindrique |

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 498              | > 855               | > 855                     | 2                     | 47                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN5650-PMU-0260

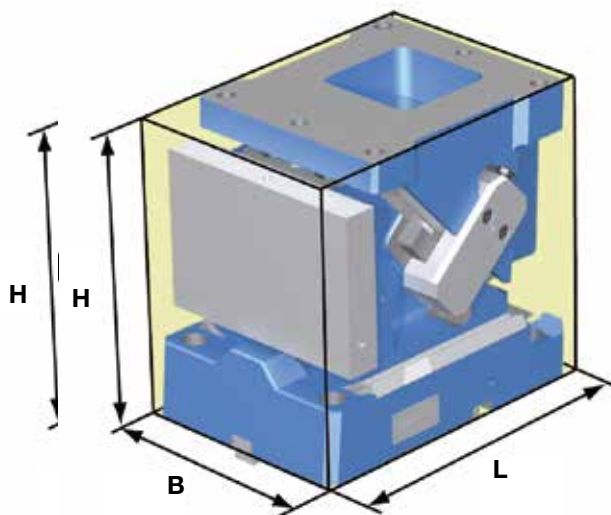


SN5650-PMU-0260- $\alpha$ -B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



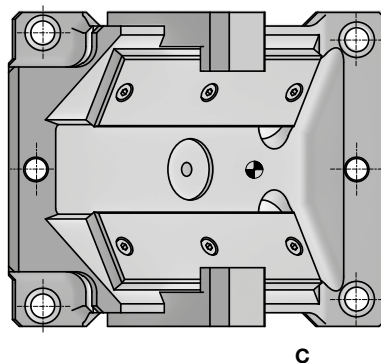
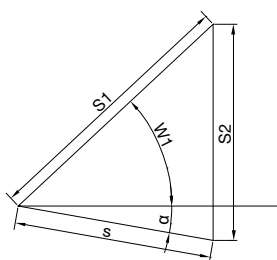
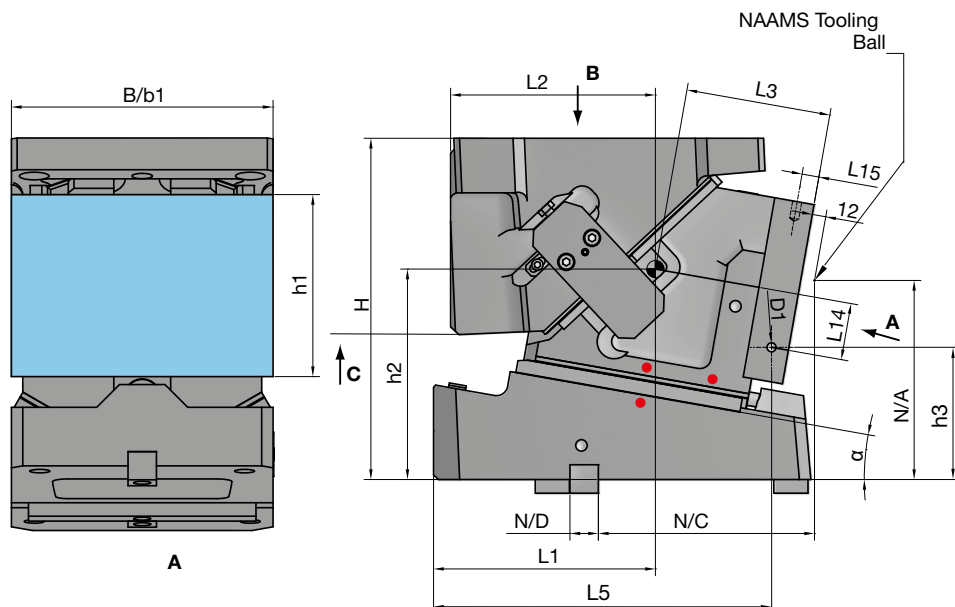
Einbauraum  
Installation space  
Espace de montage

| $\alpha$   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 332    | 325    | 335    | 349    | 363    | 375    |
| <b>B</b>   | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,61 | 95,35  | 94,26  | 85,8   | 83,47  | 75,65  |
| <b>S2</b>  | 77,74  | 71,13  | 76,44  | 70,94  | 75,33  | 70,78  |
| <b>H</b>   | 300    | 300    | 300    | 300    | 300    | 300    |
| <b>B</b>   | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>b1</b>  | 260    | 260    | 260    | 260    | 260    | 260    |
| <b>h1</b>  | 160    | 160    | 160    | 160    | 160    | 160    |
| <b>h2</b>  | 180    | 180    | 185    | 185    | 190    | 190    |
| <b>h3</b>  | 130    | 120,39 | 116,22 | 107,59 | 104,54 | 97,14  |
| <b>L1</b>  | 175    | 185    | 195    | 205    | 215    | 225    |
| <b>L2</b>  | 165    | 160    | 180    | 175    | 200    | 195    |
| <b>L3</b>  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| <b>L5</b>  | 287,5  | 292,71 | 297,11 | 300,73 | 303,61 | 305,83 |
| <b>N/A</b> | 200    | 190    | 175    | 165    | 155    | 155    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

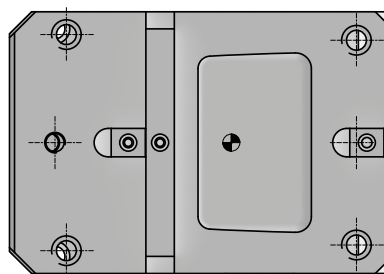
### Unten stehender Normschieber SN 5650-PMU-0330

### Die mount cam unit SN 5650-PMU-0330

### Coulisseau monté en bas SN 5650-PMU-0330



C



B

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 677              | > 1166              | > 1166                    | 6                     | 76                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0330

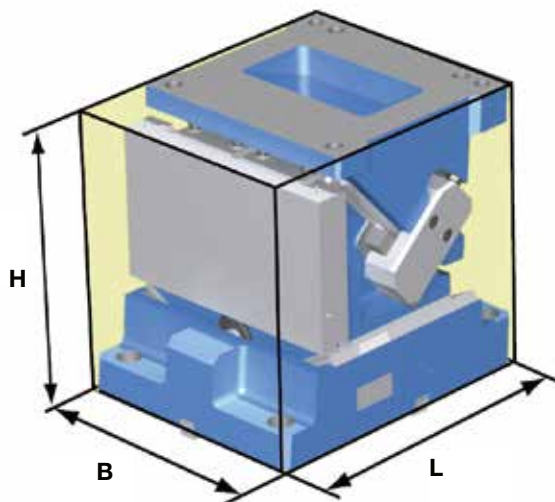


SN 5650-PMU-0330-α-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



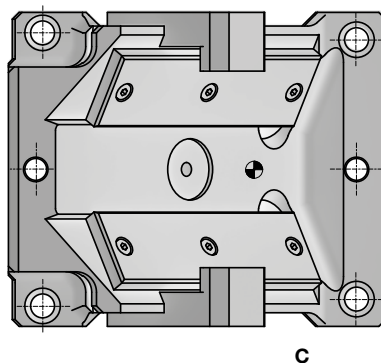
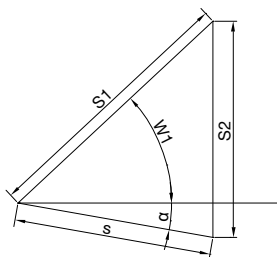
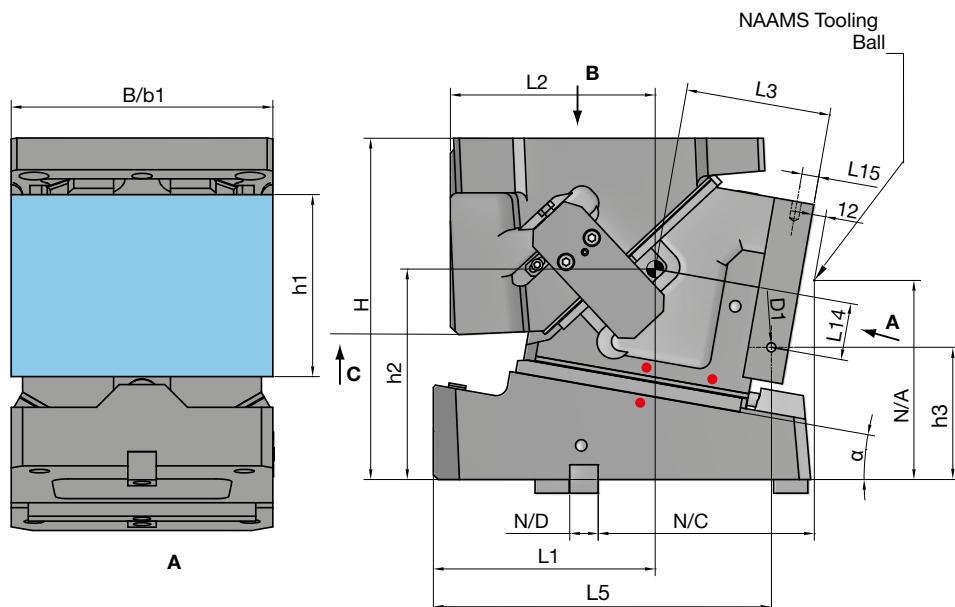
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 406    | 395    | 416    | 405    | 419    | 433    |
| <b>B</b>   | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,6  | 95,3   | 94,3   | 85,8   | 83,5   | 75,6   |
| <b>S2</b>  | 77,7   | 71,1   | 76,4   | 70,9   | 75,3   | 70,8   |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>b1</b>  | 330    | 330    | 330    | 330    | 330    | 330    |
| <b>h1</b>  | 200    | 200    | 200    | 200    | 200    | 200    |
| <b>h2</b>  | 230    | 230    | 235    | 235    | 240    | 240    |
| <b>h3</b>  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| <b>L1</b>  | 210    | 220    | 240    | 250    | 265    | 275    |
| <b>L2</b>  | 205    | 200    | 225    | 220    | 245    | 240    |
| <b>L3</b>  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| <b>L5</b>  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| <b>N/A</b> | 260    | 235    | 225    | 210    | 195    | 195    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

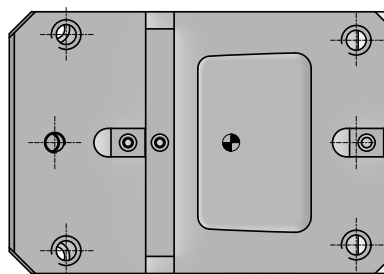
### Unten stehender Normschieber SN 5650-PMU-0400

### Die mount cam unit SN 5650-PMU-0400

### Coulisseau monté en bas SN 5650-PMU-0400



C



B

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**

**Pos. 1**

Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

**Pos. 2**

Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard |                        |
| > 805              | > 1368              | > 1368                    | 6                     | 96                           | -                      |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0400

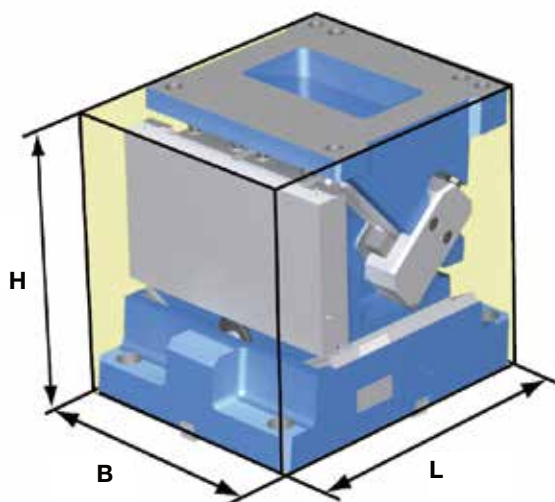


SN 5650-PMU-0400-α-B/M/P-N/Z

Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium  
  
N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage  
  
Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



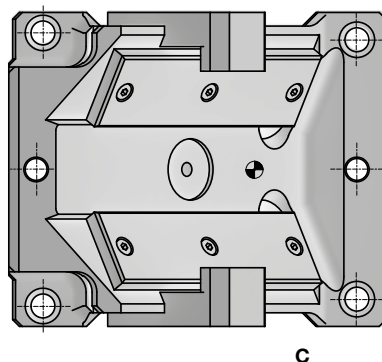
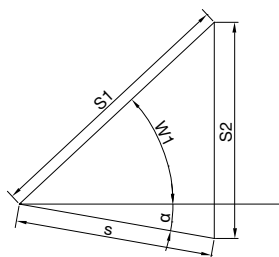
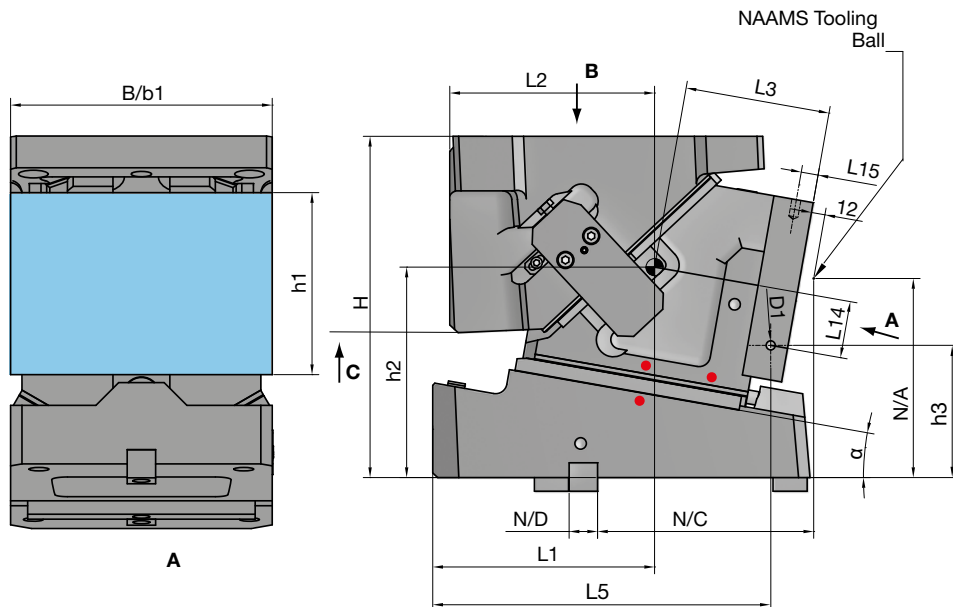
Einbauraum  
Installation space  
Espace de montage

| α          | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|------------|--------|--------|--------|--------|--------|--------|
| <b>L</b>   | 405    | 395    | 415    | 405    | 419    | 433    |
| <b>B</b>   | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>W1</b>  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| <b>s</b>   | 70     | 70     | 70     | 70     | 70     | 70     |
| <b>S1</b>  | 104,61 | 95,35  | 94,26  | 85,80  | 83,47  | 75,65  |
| <b>S2</b>  | 77,74  | 71,13  | 76,44  | 70,94  | 75,33  | 70,78  |
| <b>H</b>   | 375    | 375    | 375    | 375    | 375    | 375    |
| <b>B</b>   | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>b1</b>  | 400    | 400    | 400    | 400    | 400    | 400    |
| <b>h1</b>  | 200    | 200    | 200    | 200    | 200    | 200    |
| <b>h2</b>  | 230    | 230    | 235    | 235    | 240    | 240    |
| <b>h3</b>  | 180    | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| <b>L1</b>  | 210    | 220    | 240    | 250    | 265    | 275    |
| <b>L2</b>  | 205    | 200    | 225    | 220    | 245    | 240    |
| <b>L3</b>  | 127,50 | 127,50 | 127,50 | 127,50 | 127,50 | 127,50 |
| <b>L5</b>  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| <b>N/A</b> | 260    | 235    | 225    | 210    | 195    | 195    |
| <b>N/C</b> | 170    | 180    | 190    | 200    | 210    | 210    |
| <b>N/D</b> | 25     | 25     | 25     | 25     | 25     | 25     |

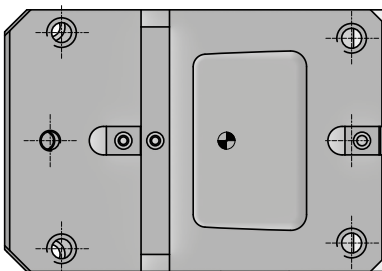
### Unten stehender Normschieber SN 5650-PMU-0460

### Die mount cam unit SN 5650-PMU-0460

### Coulisseau monté en bas SN 5650-PMU-0460



C



B

**Positionskontrolle:**  
**Control of position:**  
**Contrôle de la position:**



**Pos. 1**  
Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé



**Pos. 2**  
Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 1



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMU-Type     |
| > 848              | > 1442              | > 1442                    | 6                     | 62                           | 77                     |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0460



SN 5650-PMU-0460-α-B/M/P-N/Z

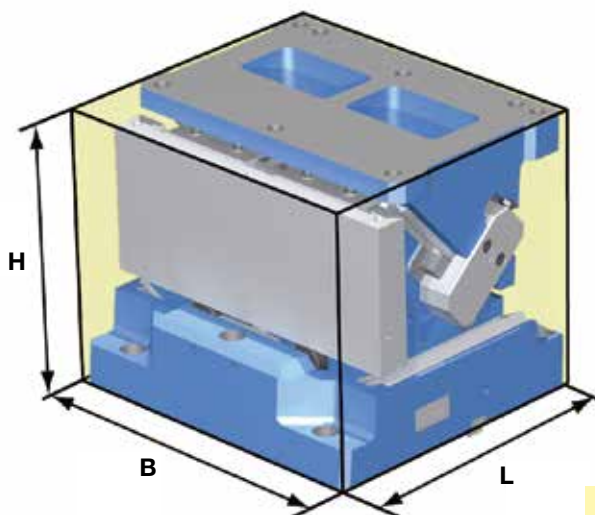
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



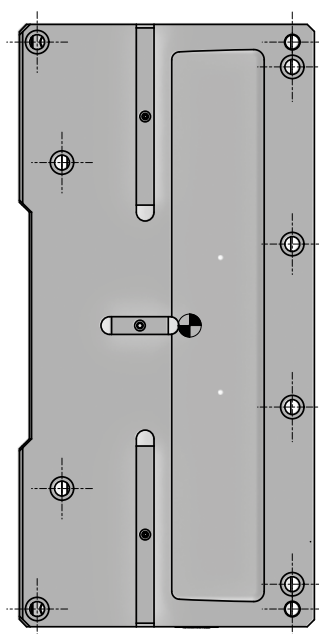
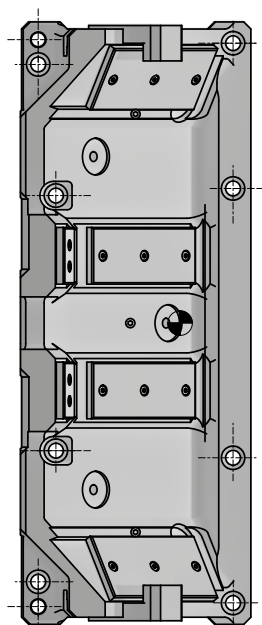
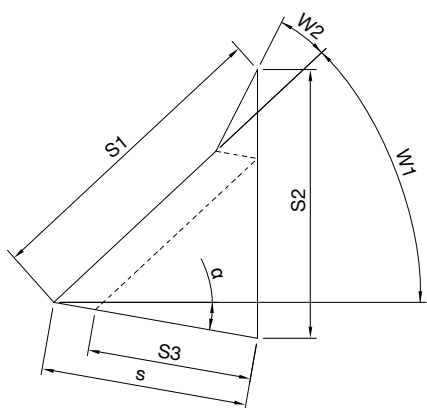
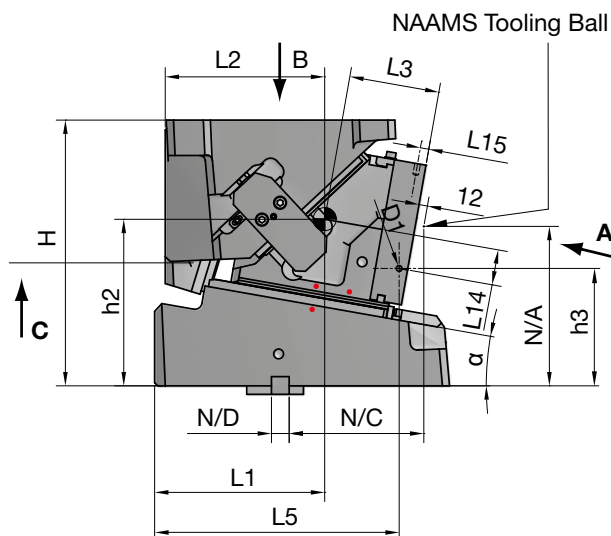
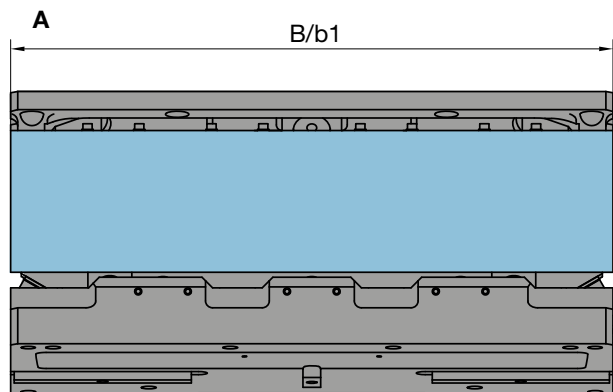
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 406    | 395    | 416    | 405    | 419    | 433    |
| B   | 460    | 460    | 460    | 460    | 460    | 460    |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 104,6  | 95,3   | 94,3   | 85,8   | 83,5   | 75,6   |
| S2  | 77,7   | 71,1   | 76,4   | 70,9   | 75,3   | 70,8   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 460    | 460    | 460    | 460    | 460    | 460    |
| b1  | 460    | 460    | 460    | 460    | 460    | 460    |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0580

### Die mount cam unit SN 5650-PMU-0580

### Coulisseau monté en bas SN 5650-PMU-0580

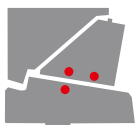


C

B

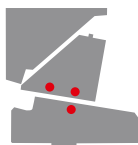
#### Positionskontrolle: Control of position: Contrôle de la position:

Pos. 1



Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

Pos. 2



Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 2



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMU-Type     |
| > 1049             | > 1802              | > 1802                    | 8                     | 70                           | 100                    |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0580



SN 5650-PMU-0580-α-B/M/P-N/Z

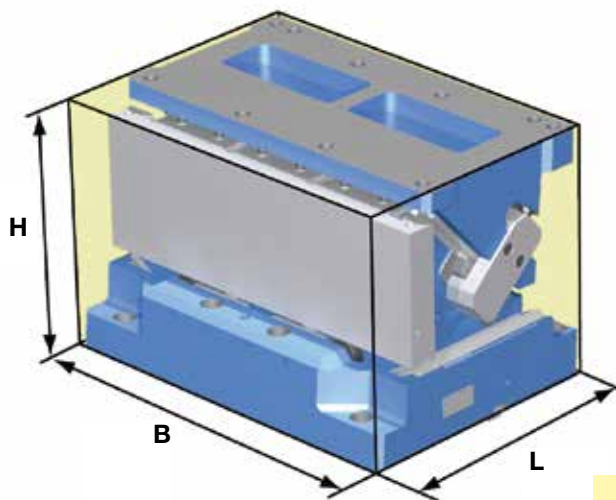
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



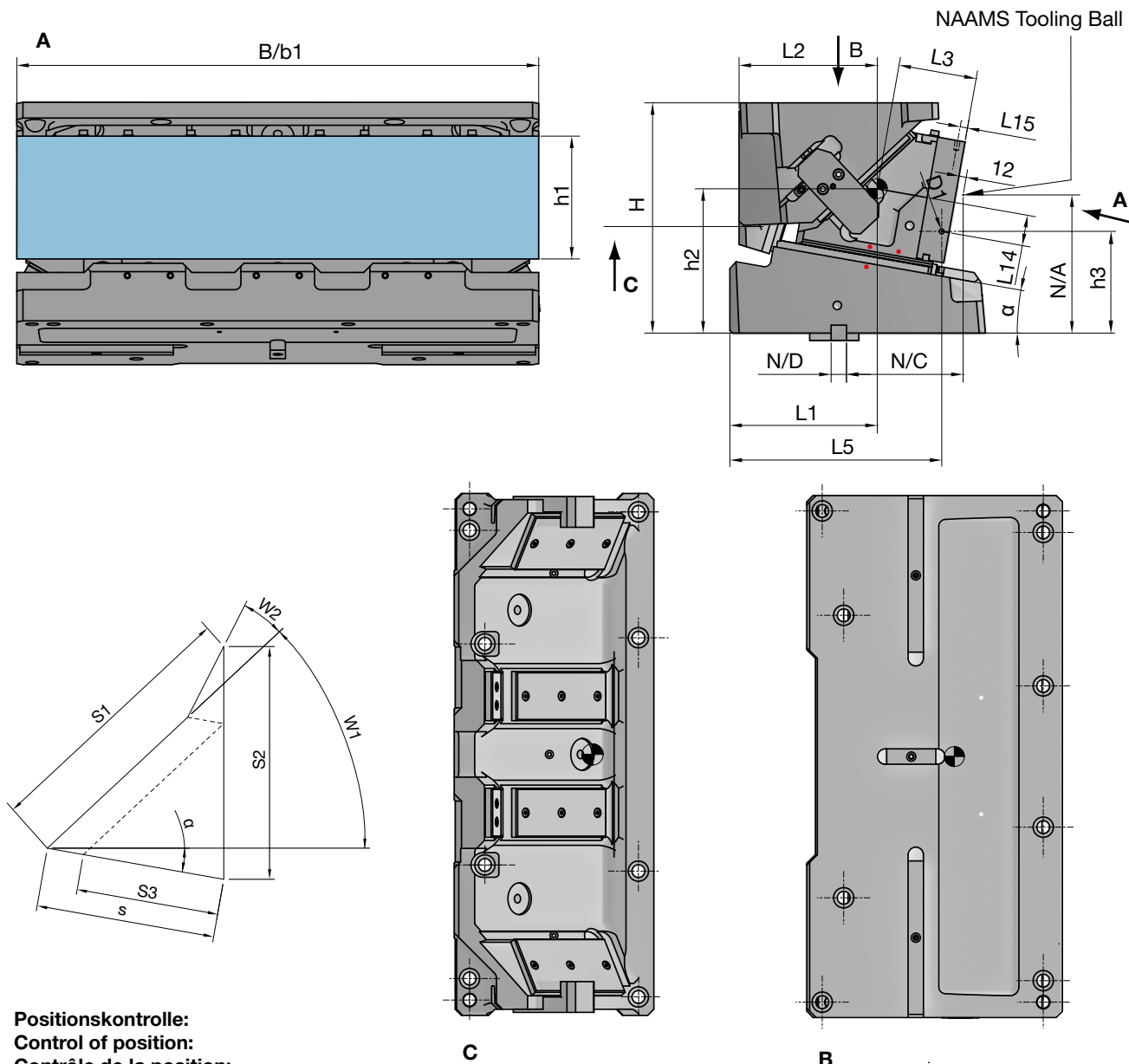
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 406    | 395    | 416    | 405    | 419    | 433    |
| B   | 580    | 580    | 580    | 580    | 580    | 580    |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| W2  | 20°    | 20°    | 20°    | 20°    | 20°    | 20°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 117,9  | 100,7  | 104,2  | 90,1   | 91,6   | 79,6   |
| S2  | 95,7   | 78,9   | 90,9   | 77,9   | 88,5   | 78,0   |
| S3  | 52,1   | 59,3   | 51,4   | 58,2   | 48,9   | 55,3   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 580    | 580    | 580    | 580    | 580    | 580    |
| b1  | 580    | 580    | 580    | 580    | 580    | 580    |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 128    | 128    | 128    | 128    | 128    | 128    |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0700

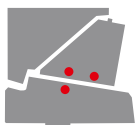
### Die mount cam unit SN 5650-PMU-0700

### Coulisseau monté en bas SN 5650-PMU-0700



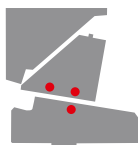
#### Positionskontrolle: Control of position: Contrôle de la position:

##### Pos. 1



Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

##### Pos. 2



Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 2



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMU-Type     |
| > 1121             | > 1927              | > 1927                    | 8                     | 70                           | 100                    |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0700



SN 5650-PMU-0700-α-B/M/P-N/Z

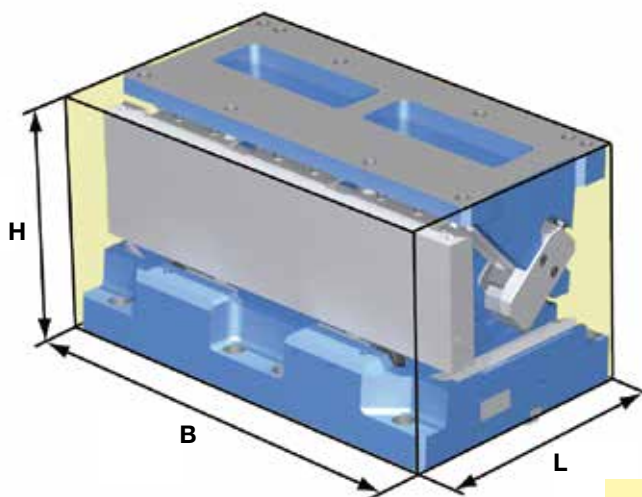
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



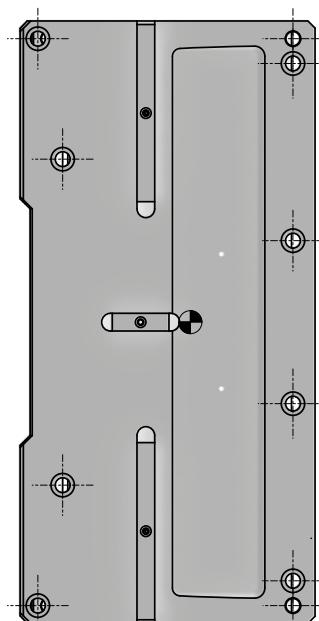
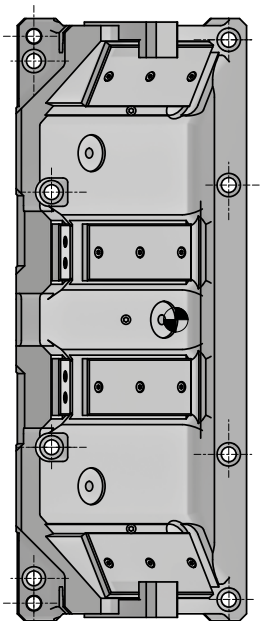
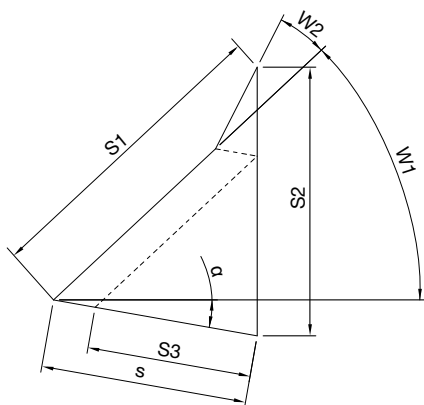
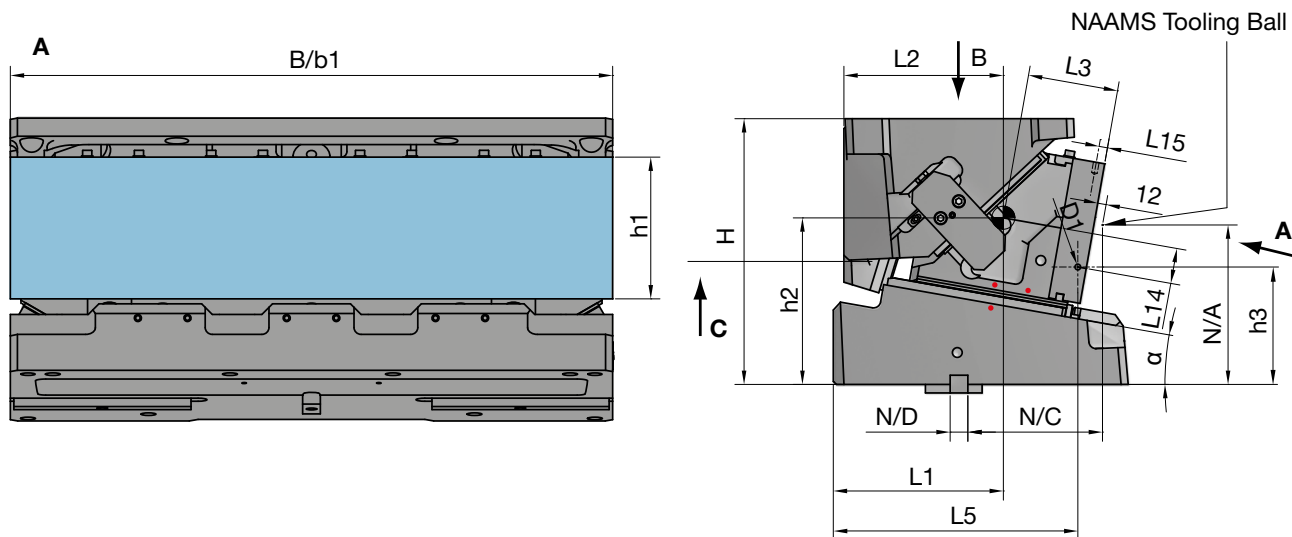
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 406    | 395    | 416    | 405    | 419    | 433    |
| B   | 700    | 700    | 700    | 700    | 700    | 700    |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| W2  | 20°    | 20°    | 20°    | 20°    | 20°    | 20°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 117,9  | 100,7  | 104,2  | 90,1   | 91,6   | 79,6   |
| S2  | 95,7   | 78,9   | 90,9   | 77,9   | 88,5   | 78,0   |
| S3  | 52,1   | 59,3   | 51,4   | 58,2   | 48,9   | 55,3   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 700    | 700    | 700    | 700    | 700    | 700    |
| b1  | 700    | 700    | 700    | 700    | 700    | 700    |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-0850

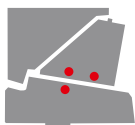
### Die mount cam unit SN 5650-PMU-0850

### Coulisseau monté en bas SN 5650-PMU-0850



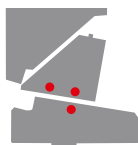
#### Positionskontrolle: Control of position: Contrôle de la position:

#### Pos. 1



Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

#### Pos. 2



Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMU-Type     |
| > 1223             | > 2119              | > 2119                    | 8                     | 70                           | 115                    |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-0850



SN 5650-PMU-0850-α-B/M/P-N/Z

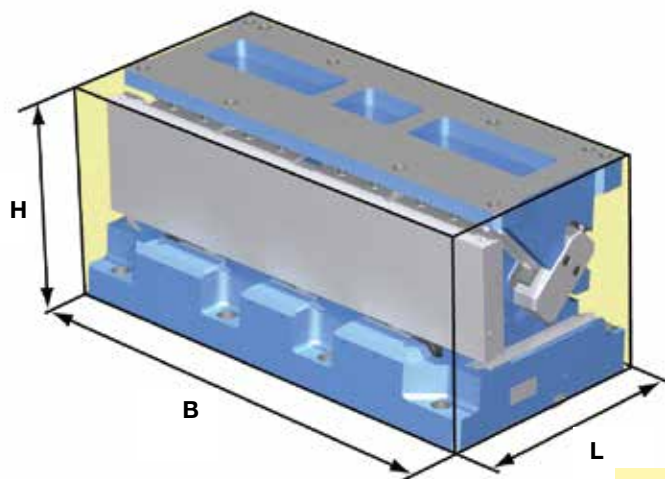
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



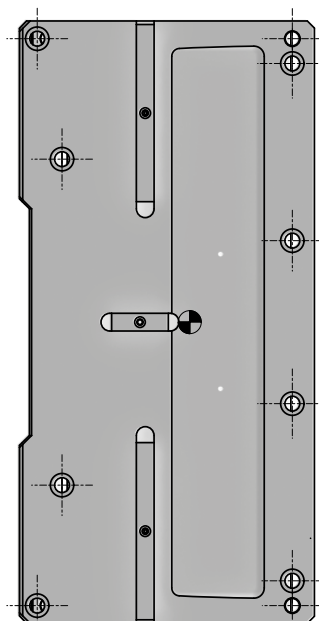
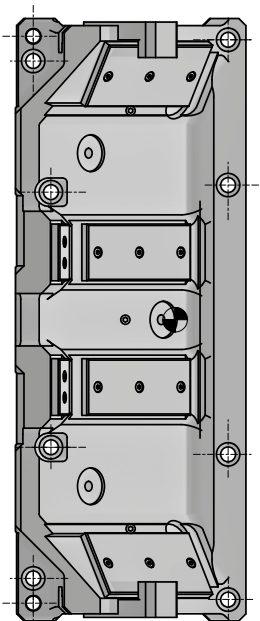
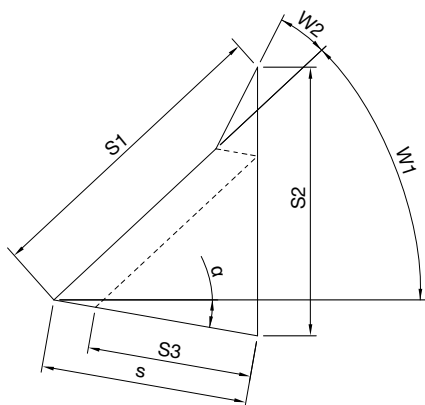
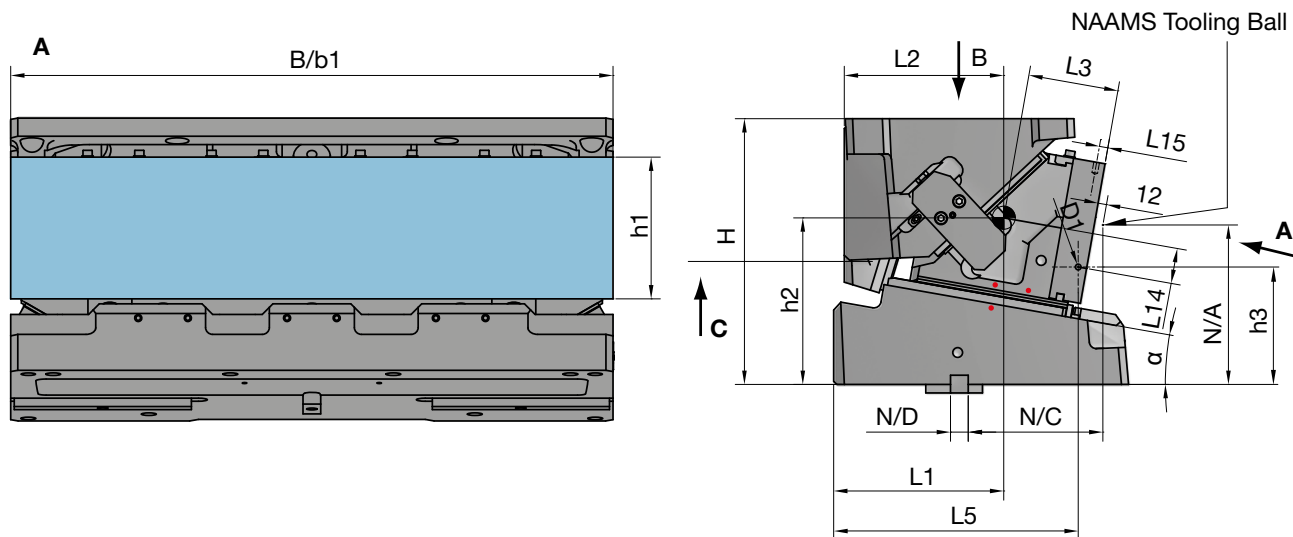
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 406    | 395    | 416    | 405    | 419    | 433    |
| B   | 850    | 850    | 850    | 850    | 850    | 850    |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| W2  | 20°    | 20°    | 20°    | 20°    | 20°    | 20°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 117,9  | 100,7  | 104,2  | 90,1   | 91,6   | 79,6   |
| S2  | 95,7   | 78,9   | 90,9   | 77,9   | 88,5   | 78,0   |
| S3  | 56,9   | 62,4   | 55,7   | 61,2   | 52,8   | 58,3   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 850    | 850    | 850    | 850    | 850    | 850    |
| b1  | 850    | 850    | 850    | 850    | 850    | 850    |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-1000

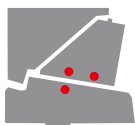
### Die mount cam unit SN 5650-PMU-1000

### Coulisseau monté en bas SN 5650-PMU-1000



#### Positionskontrolle: Control of position: Contrôle de la position:

##### Pos. 1



Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

##### Pos. 2



Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\* = Maße NAAMS  
N/\* = Dimensions NAAMS  
N/\* = Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pression<br>[kN] | Rückzugskraft<br>[kN] | Retraction<br>force [kN]     | Force à retour<br>[kN] |
|--------------------|---------------------|---------------------------|-----------------------|------------------------------|------------------------|
| Basis              | Medium              | Premium                   | Basis                 | Medium / Premium<br>Standard | + SN 5652-PMU-Type     |
| > 1235             | > 2122              | > 2122                    | 8                     | 70                           | 115                    |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-1000



SN 5650-PMU-1000-α-B/M/P-N/Z

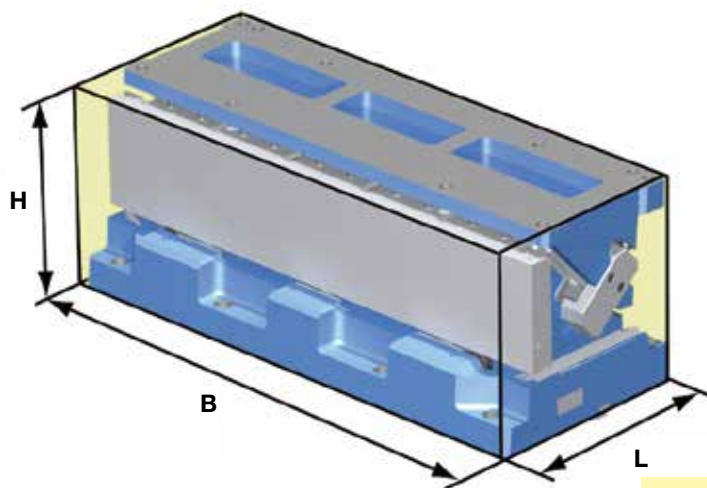
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clavette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



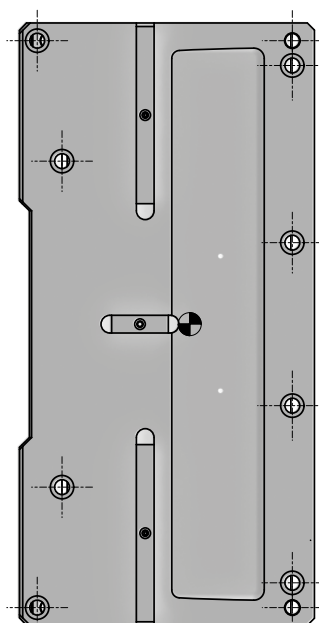
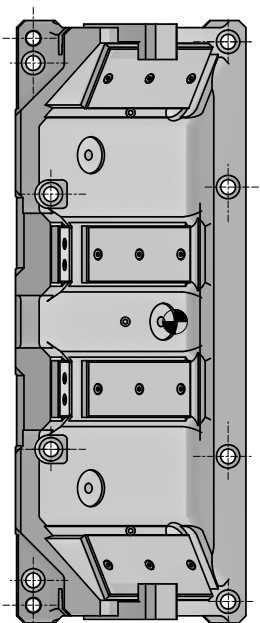
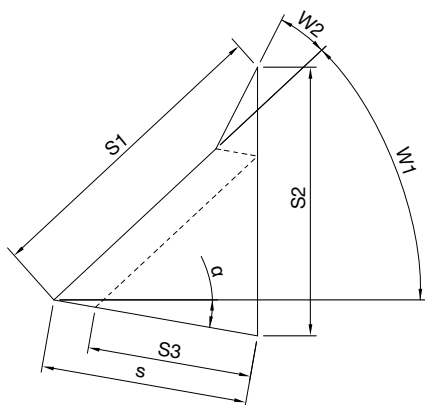
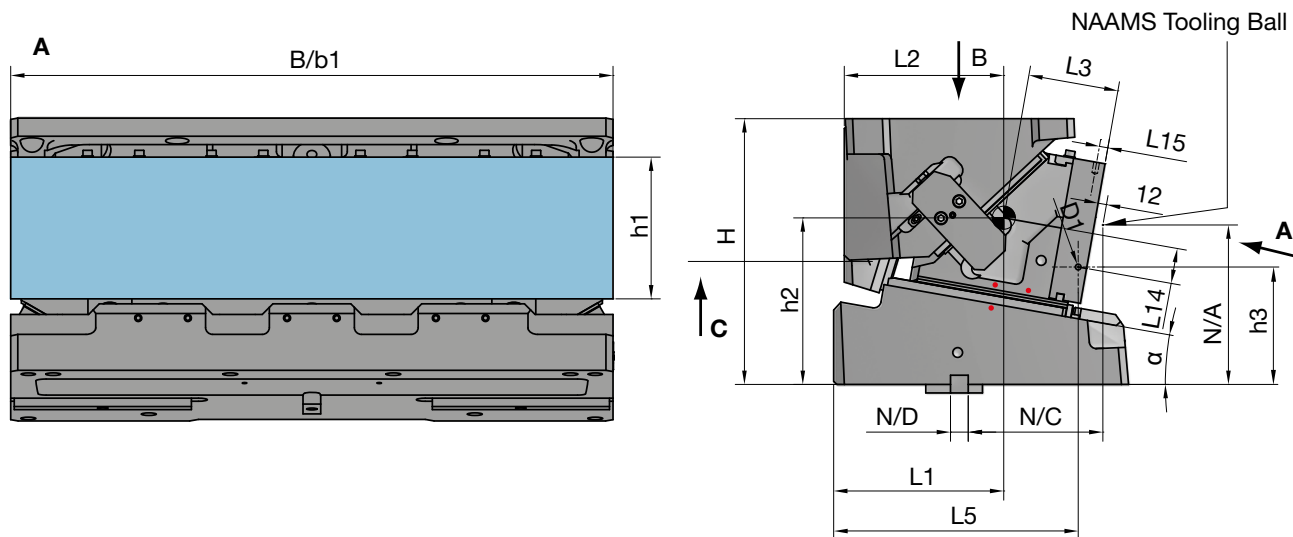
Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 406    | 395    | 416    | 405    | 419    | 433    |
| B   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| W2  | 20°    | 20°    | 20°    | 20°    | 20°    | 20°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 117,9  | 100,7  | 104,2  | 90,1   | 91,6   | 79,6   |
| S2  | 95,7   | 78,9   | 90,9   | 77,9   | 88,5   | 78     |
| S3  | 52,1   | 59,3   | 51,4   | 58,2   | 48,9   | 55,3   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| b1  | 1000   | 1000   | 1000   | 1000   | 1000   | 1000   |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180,00 | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  | 127,5  |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Unten stehender Normschieber SN 5650-PMU-1200

### Die mount cam unit SN 5650-PMU-1200

### Coulisseau monté en bas SN 5650-PMU-1200

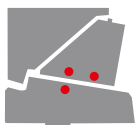


C

B

#### Positionskontrolle: Control of position: Contrôle de la position:

Pos. 1



Schieber zusammengefahren  
Cam is moved together  
Coulisseau est fermé

Pos. 2



Schieber ausgefahren  
Cam is extended  
Coulisseau est étendu



SN 5652-PMU-Type 3



zusätzliche Gasdruckfeder/  
additional gas spring /  
additionnel ressort à gaz

N/\*= Maße NAAMS  
N/\*= Dimensions NAAMS  
N/\*= Dimensions NAAMS

(Z) = Maße nur für Zylinderstift Zentrierung  
(Z) = Dimensions only for dowel pin alignment  
(Z) = Dimensions seulement pour le centrage de la goupille cylindrique

| Presskraft<br>[kN] | Press force<br>[kN] | Force de pres-<br>sage<br>[kN] | Rückzugs-<br>kraft<br>[kN] | Retraction<br>force<br>[kN]  | Force à<br>retour<br>[kN] |
|--------------------|---------------------|--------------------------------|----------------------------|------------------------------|---------------------------|
| Basis              | Medium              | Premium                        | Basis                      | Medium / Premium<br>Standard | + SN 5652-PMU-Type        |
| > 1348             | > 2499              | > 2499                         | 8                          | 70                           | 115                       |

### Unten stehender Normschieber

### Die mount cam unit

### Coulisseau monté en bas

#### SN 5650-PMU-1200



SN 5650-PMU-1200-α-B/M/P-N/Z

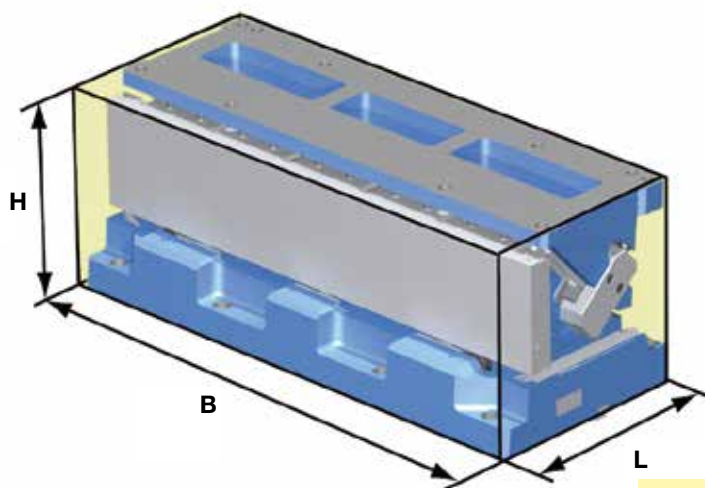
Mat.: EN-GJS-600-3 (GGG 60)



B = Basis  
M = Medium  
P = Premium

N = Nutenstein - Zentrierung  
Sliding block - Alignment  
Clarette - Centrage

Z = Zylinderstift - Zentrierung  
Dowel pin - Alignment  
Goupille cylindrique - Centrage



Einbauraum  
Installation space  
Espace de montage

| α   | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    |
|-----|--------|--------|--------|--------|--------|--------|
| L   | 405    | 395    | 415    | 405    | 419    | 433    |
| B   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| W1  | 48°    | 43°    | 43°    | 38°    | 38°    | 33°    |
| W2  | 20°    | 20°    | 20°    | 20°    | 20°    | 20°    |
| s   | 70     | 70     | 70     | 70     | 70     | 70     |
| S1  | 117,9  | 100,7  | 104,2  | 90,1   | 91,6   | 79,6   |
| S2  | 95,7   | 78,9   | 90,9   | 77,9   | 88,5   | 78     |
| S3  | 56,9   | 62,4   | 55,7   | 61,2   | 52,8   | 58,3   |
| H   | 375    | 375    | 375    | 375    | 375    | 375    |
| B   | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| b1  | 1200   | 1200   | 1200   | 1200   | 1200   | 1200   |
| h1  | 200    | 200    | 200    | 200    | 200    | 200    |
| h2  | 230    | 230    | 235    | 235    | 240    | 240    |
| h3  | 180    | 170,12 | 165,70 | 156,81 | 153,51 | 145,87 |
| L1  | 210    | 220    | 240    | 250    | 265    | 275    |
| L2  | 205    | 200    | 225    | 220    | 245    | 240    |
| L3  | 127,50 | 127,50 | 127,50 | 127,50 | 127,50 | 127,50 |
| L5  | 325,50 | 330,70 | 345,06 | 348,62 | 356,43 | 358,55 |
| N/A | 260    | 235    | 225    | 210    | 195    | 195    |
| N/C | 170    | 180    | 190    | 200    | 210    | 210    |
| N/D | 25     | 25     | 25     | 25     | 25     | 25     |

### Normschieber in Sonderausführung

Das **PowerMax®** Schieberprogramm deckt bereits eine Vielzahl von Größen und Schieberwinkeln ab. Gerade bei hochfesten Blechen ist es jedoch unumgänglich, dass bei Lochoperationen das Schneidelement rechtwinklig auf das Blech trifft. Hierzu bietet **STRACK NORMA** Schieber in Sonderanfertigung im gewünschten Winkel an, die außerhalb der Standardwinkel (0°-75° in 5° Schritten) liegen. Das **PowerMax®** Gesamtkonzept ermöglicht eine kurze Lieferzeit auch für Sonderwinkelschieber. Bearbeitung nach Kundenanforderungen auf der Arbeitsfläche gehören ebenfalls zu unseren Serviceleistungen und verkürzen Ihre Durchlaufzeiten. Ebenfalls bestücken wir die Montageplatten mit Polygonstempelaufnahmen nach Ihren Anforderungen sowie Sondermontageplatten mit Einarbeitungen oder auch geänderten Abmessungen.

Sprechen Sie uns an, das Team von **STRACK NORMA** hilft Ihnen gerne eine geeignete Lösung für Ihre Anforderungen zu finden.

### Standard cams in special design

The **PowerMax®** cam program already covers a variety of dimensions and cam angles. Even at high strength sheets it is indispensable that during stamping operations the cutting unit impacts perpendicular on the sheet. For this **STRACK NORMA** offers cams in special designs with the desired angle, which lie beyond the standard angles (0°-75° in 5° steps). The whole **PowerMax®** concept allows a short delivery time also for the special angle cams. Machining according to customers' wishes on the working surface also belong to our services and reduce your running times. We also equip the mounting plates with polygonal punch retainers according to your requirements as well as special mounting plates with special machining or other changed dimensions.

Please approach us; the team of **STRACK NORMA** is looking forward to help you to find the appropriate solution for your requirements.

### Coulisseaux de standard en construction spéciale

Le programme du **PowerMax®** couvre déjà une multiplicité des dimensions et des angles du coulisseau. Particulièrement auprès des tôles plus résistantes est indispensable qu'auprès des opérations de poinçonnage l'élément de découpage percute rectangulaire contre la tôle. Pour cela **STRACK NORMA** offre des coulisseaux en construction spéciale en angle désiré, qui sont hors des angles de standard (0°-75° en pas de 5°). La conception générale du **PowerMax®** permette un délai de livraison bref également pour les coulisseaux d'angle spécial.

Des traitements selon les demandes des clientes sur la surface de travail appartiennent également à nos prestations de service et réduisent vos temps de passage. Nous également équipons vos plaques de montage avec des portes poinçons polygonaux selon vos demandes ainsi que des plaques de montages spéciales avec des traitements spéciaux ou également des dimensions changées.

Veuillez nous contacter, l'équipe de **STRACK NORMA** vous aide volontairement à trouver la solution appropriée pour vos exigences.



Weitere Informationen unter / Further information under / Informations supplémentaires sous  
[www.powermax-schieber.de](http://www.powermax-schieber.de)