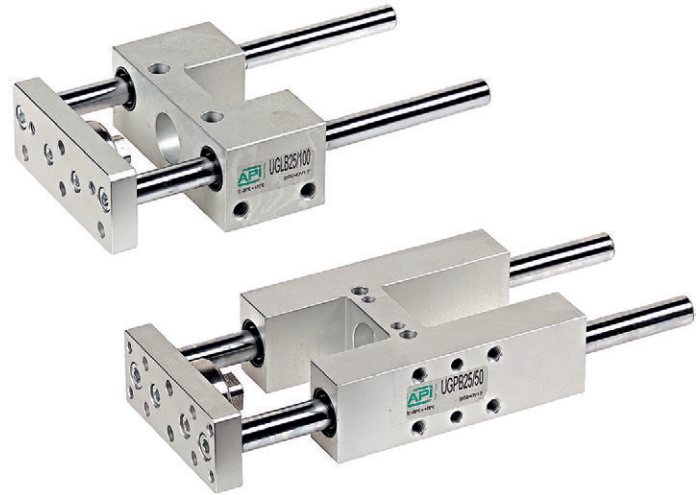


Slide Units for Cylinders ISO 6432

Bores from 12 to 25 mm



| Standard executions | | |
|--|--------|------|
| Version | Symbol | Type |
| U-shaped (light) with sintered bronze bushings | | UGLB |
| H-shaped (heavy) with sintered bronze bushings | | UGPB |
| H-shaped (heavy) with spherical bearings | | UGPS |



II 2Gc IIC T5
II 2Dc T100°C

On request, they can be supplied according to 2014/34/EU - **ATEX**

| Options | Suffix |
|----------------------------------|------------|
| Rods in stainless steel AISI 304 | K |
| Special versions on request | / S |

The options can be combined (when this is possible)

Series of linear slide units for cylinders ISO 6432 with four possible fixing surfaces. They must be used with heavy loads to guarantee a better linearity of movement and a higher precision. They can sometimes be used as anti-rotating devices too. The versions with spherical bearings slide better but can support lighter loads than the versions with bronze bushings. The U-shaped versions, can support lighter loads than the H-shaped ones.

For loads see pages 1.70.5 - 1.70.10.

How to order: UGPB20/100K

| UGPB | 20 | / | 100 | K |
|------|---------------|---|-----------------|--------|
| Type | Cylinder Bore | / | Cylinder stroke | Option |

| Technical data | |
|-------------------|---|
| Temperature range | -20 °C ÷ +70° C |
| Materials | Body: Anodised aluminium Plate: Anodised aluminium Seals: Polyurethane - Bronze bushing: Sintered bronze Bushings: UGLB - UGPB: Sintered bronze UGPS: Spherical bearings Rods: UGLB - UGPB: Chrome plated steel C45 UGPS: Hardened and chrome plated steel CF51 |

| Cylinder bore (mm) | Standard strokes of cylinders D.A. (mm) | Maximum stroke of cylinders D.A. (mm) |
|--------------------|---|---------------------------------------|
| 12 | 10, 25, 50, 80 | 1000 |
| 16 | 100, 125, 160 | |
| 20 | 200, 250, 320, 400, 500 | |
| 25 | | |

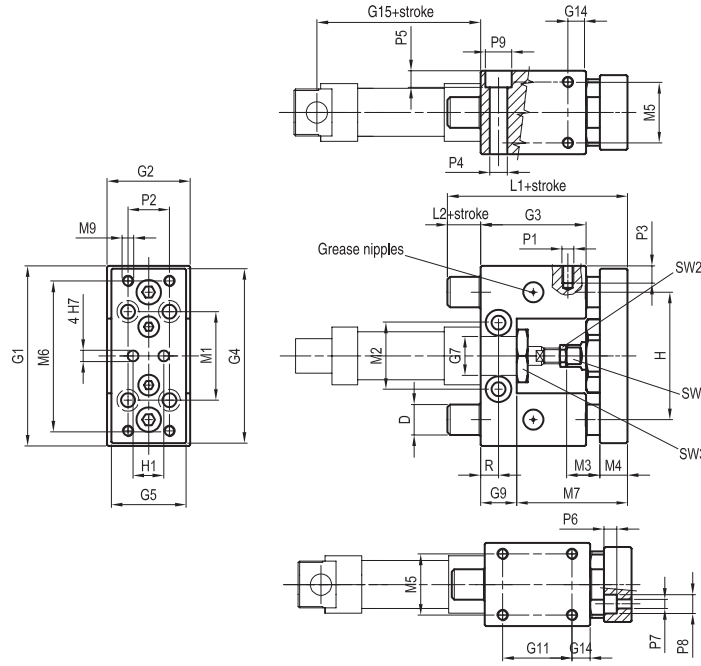
Seal kits not available.

Slide Units for Cylinders ISO 6432

Bores from 12 to 25 mm



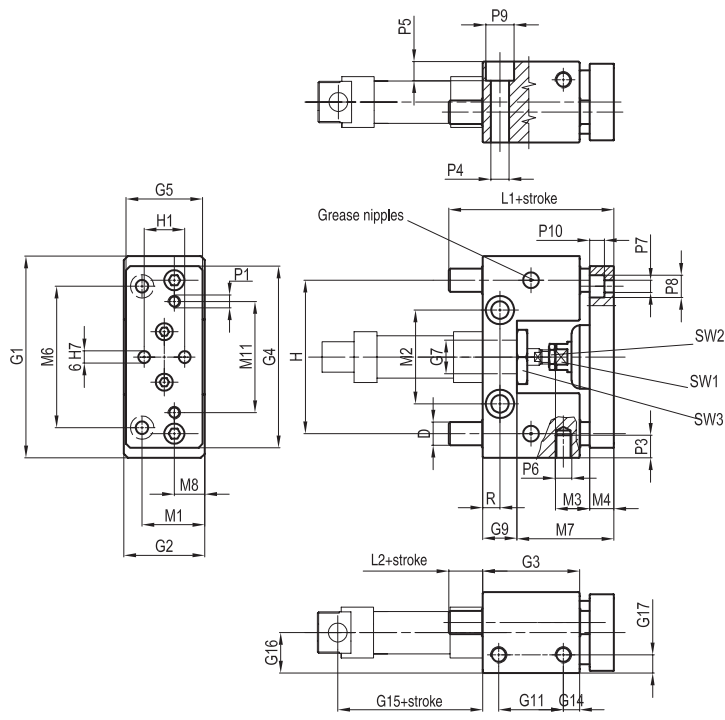
Type: **UGLB 12/16**



| Ø mm | D | G ₁ | G ₂ | G ₃ | G ₄ | G ₅ | G ₇ | G ₉ | G ₁₁ | G ₁₄ | G ₁₅ | H | H ₁ | L ₁ | L ₂ | M ₁ | M ₂ | M ₃ |
|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|----|----------------|----------------|----------------|----------------|----------------|----------------|
| 12 | 10 | 65 | 30 | 38 | 63 | 27 | 16 | 13 | 25 | 6,5 | 53 | 46 | 32 | 74 | 10 | 32 | 24 | 12 |
| 16 | 10 | 65 | 30 | 38 | 63 | 27 | 16 | 13 | 25 | 6,5 | 60 | 46 | 32 | 74 | 10 | 32 | 24 | 12 |

| Ø mm | M ₄ | M ₅ | M ₆ | M ₇ | M ₉ | P ₁ | P ₂ | P ₃ | P ₄ | P ₅ | P ₆ | P ₇ | P ₈ | P ₉ | R | SW ₁ | SW ₂ | SW ₃ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----------------|-----------------|-----------------|
| 12 | 10 | 22 | 54 | 51 | M4 | M4 | 15 | 8 | 5,2 | 5,5 | 4,5 | 4,5 | 7 | 8,5 | 6,5 | 8 | 10 | 19 |
| 16 | 12 | 22 | 54 | 51 | M4 | M4 | 15 | 8 | 5,2 | 5,5 | 4,5 | 4,5 | 7 | 8,5 | 6,5 | 8 | 10 | 19 |

Type: **UGLB 20/25**



| Ø mm | D | G ₁ | G ₂ | G ₃ | G ₄ | G ₅ | Ø G ₇ | G ₉ | G ₁₁ | G ₁₄ | G ₁₅ | G ₁₆ | G ₁₇ | H | H ₁ | R | M ₁ | M ₂ | M ₃ |
|------|----|----------------|----------------|----------------|----------------|----------------|------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----|----------------|-----|----------------|----------------|----------------|
| 20 | 12 | 100 | 40 | 48 | 90 | 38 | 22 | 17 | 32 | 8 | 71 | 24 | 10 | 76 | 20 | 8,5 | 30 | 46,5 | 19 |
| 25 | 12 | 100 | 40 | 48 | 90 | 38 | 22 | 17 | 32 | 8 | 76 | 24 | 10 | 76 | 20 | 8,5 | 30 | 46,5 | 19 |

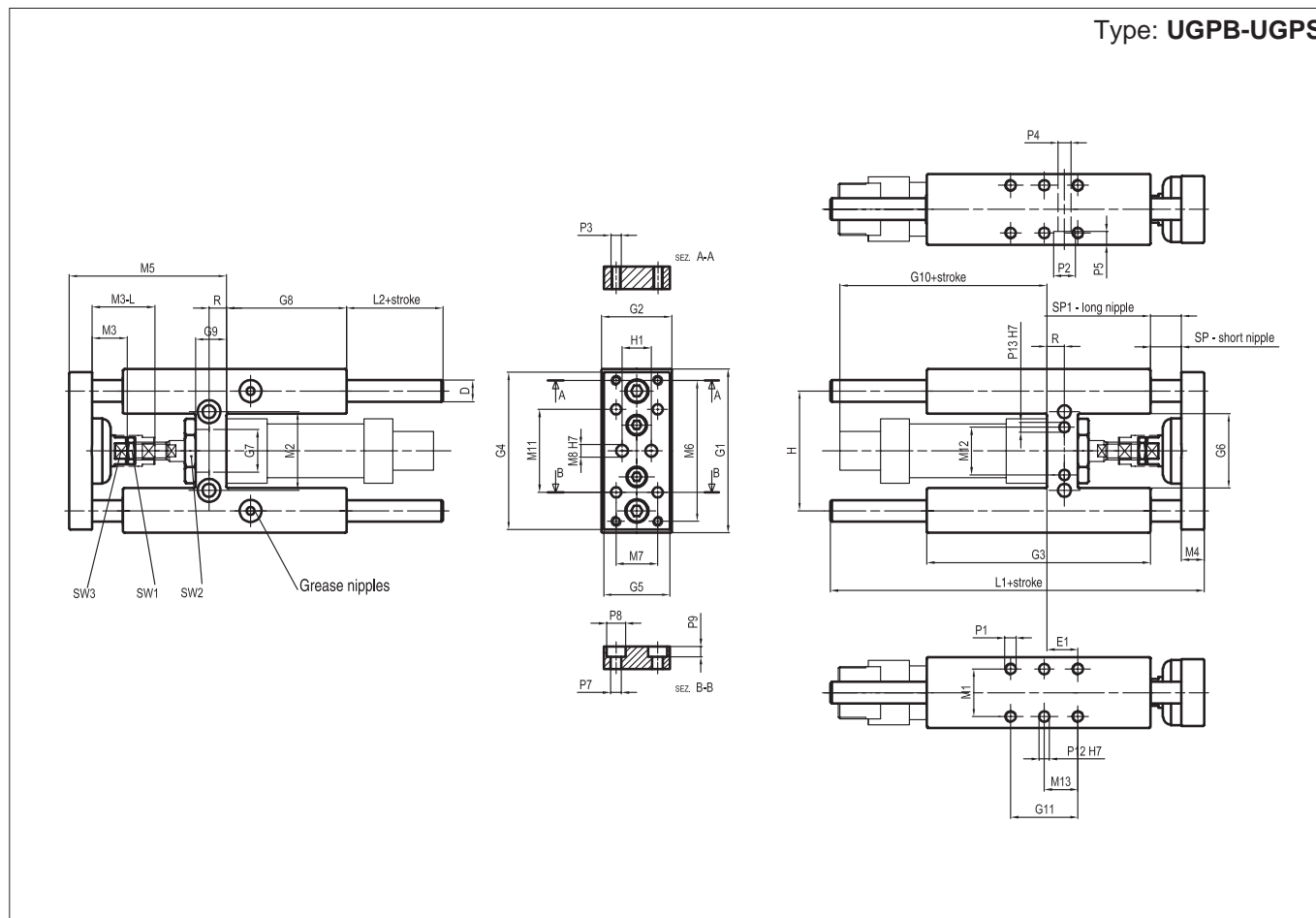
| Ø mm | M ₄ | M ₆ | M ₇ | M ₈ | M ₁₁ | L ₁ | L ₂ | Ø P ₁ | P ₃ | Ø P ₄ | P ₅ | Ø P ₆ | Ø P ₇ | Ø P ₈ | Ø P ₉ | P ₁₀ | SW ₁ | SW ₂ | SW ₃ |
|------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|------------------|----------------|------------------|----------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| 20 | 12 | 70 | 48 | 15 | 55 | 75 | 12 | M6 | 15 | 9 | 9 | M8 | 6,5 | 11 | 14 | 7 | 13 | 13 | 27 |
| 25 | 12 | 70 | 54 | 15 | 55 | 83 | 12 | M6 | 15 | 9 | 9 | M8 | 6,5 | 11 | 14 | 7 | 13 | 17 | 27 |

Slide Units for Cylinders ISO 6432

Bores from 12 to 25 mm



Type: UGPB-UGPS

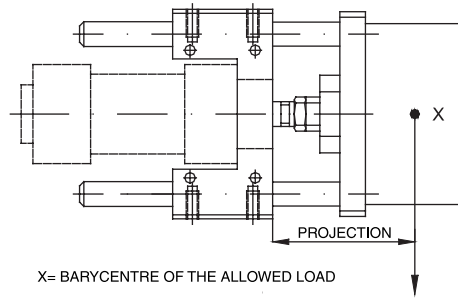


| Ø mm | D | E ₁ | G ₁ | G ₂ | G ₃ | G ₄ | G ₅ | G ₆ | G ₇ | G ₈ | G ₉ | G ₁₀ | G ₁₁ | H | H ₁ |
|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|----|----------------|
| 12 | 10 | 11 | 65 | 30 | 75 | 63 | 27 | 27 | 16 | 37 | 13 | 66 | 32,5 | 46 | 15 |
| 16 | 10 | 11 | 65 | 30 | 75 | 63 | 27 | 27 | 16 | 37 | 13 | 71 | 32,5 | 46 | 15 |
| 20 | 12 | 15 | 79 | 34 | 108 | 76 | 32 | 36 | 22 | 58 | 15 | 87 | 32,5 | 58 | 20 |
| 25 | 12 | 15 | 79 | 34 | 108 | 76 | 32 | 36 | 22 | 58 | 15 | 90 | 32,5 | 58 | 20 |

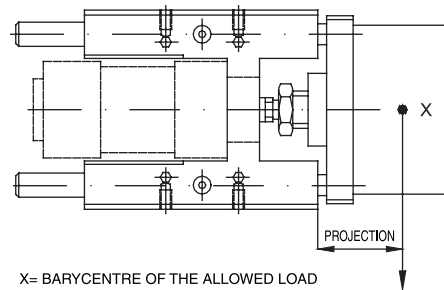
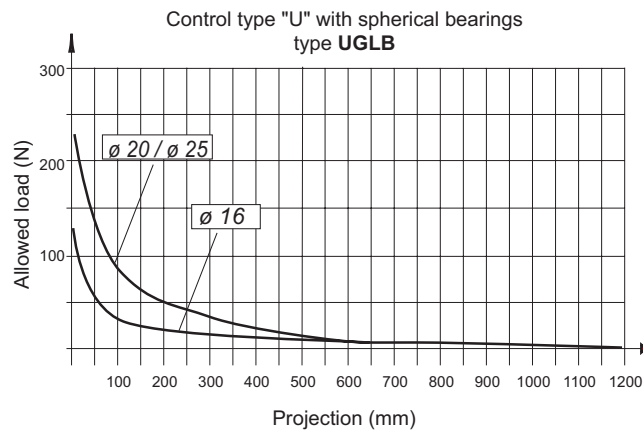
| Ø mm | L ₁ | L ₂ | M ₁ | M ₂ | M ₃ | M ₄ | M ₅ | M ₆ | M ₇ | M ₈ | M ₁₁ | M ₁₂ | M ₁₃ | M _{3L} | P ₁ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| 12 | 125 | 37 | 22 | 24 | 12 | 10 | 51 | 54 | 15 | 4 | 32 | / | 16,25 | / | M4 |
| 16 | 125 | 37 | 22 | 24 | 12 | 10 | 51 | 54 | 15 | 4 | 32 | / | 16,25 | / | M4 |
| 20 | 160 | 37 | 23 | 38 | 18 | 12 | 65 | 68 | 20 | 6 | 40 | 23 | 16,25 | 40 | M6 |
| 25 | 160 | 37 | 23 | 38 | 18 | 12 | 65 | 68 | 20 | 6 | 40 | 23 | 16,25 | 40 | M6 |

| Ø mm | P ₂ | P ₃ | P ₄ | P ₅ | P ₇ | P ₈ | P ₉ | P ₁₃ | P ₂ | R | SP | SP ₁ | SW ₁ | SW ₂ | SW ₃ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----|----|-----------------|-----------------|-----------------|-----------------|
| 12 | 8,5 | M4 | 5,5 | 5,5 | 4,5 | 7 | 4,5 | / | / | 6,5 | 3 | 3 | 10 | 19 | 8 |
| 16 | 8,5 | M4 | 5,5 | 5,5 | 4,5 | 7 | 4,5 | / | / | 6,5 | 3 | 3 | 10 | 19 | 8 |
| 20 | 10,5 | M5 | 6,5 | 7 | 5,5 | 9 | 6 | 5 | 5 | 8,5 | 3 | 22 | 13 | 27 | 13 |
| 25 | 10,5 | M5 | 6,5 | 7 | 5,5 | 9 | 6 | 5 | 5 | 8,5 | 3 | 22 | 17 | 27 | 13 |

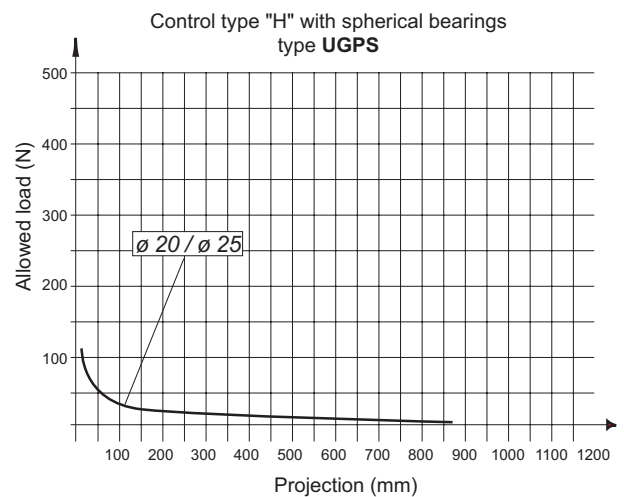
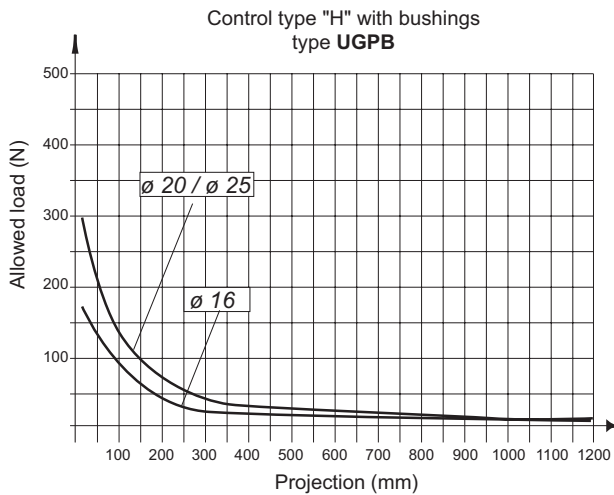




Graph of the maximum allowed load according to the projection (vertical loading plane)



Graph of the maximum allowed load according to the projection (vertical loading plane)



Slide Units for Cylinders ISO 15552

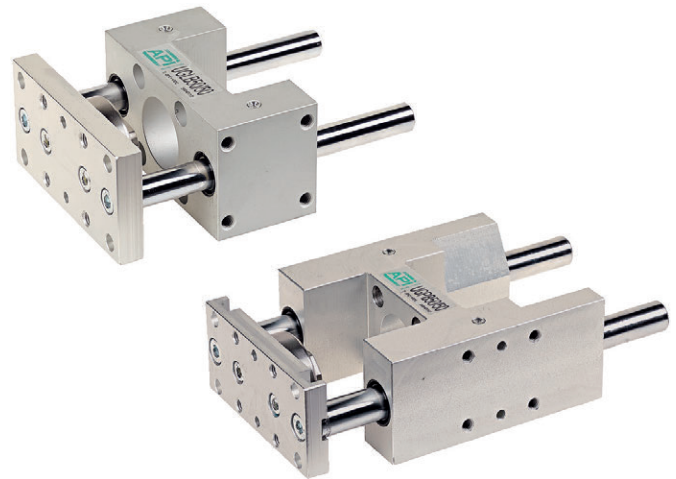
Bores from 32 to 100 mm



| Standard executions | | |
|--|--------|------|
| Version | Symbol | Type |
| U-shaped (light) with sintered bronze bushings | | UGLB |
| H-shaped (heavy) with sintered bronze bushings | | UGPB |
| H-shaped (heavy) with spherical bearings | | UGPS |

II 2Gc IIC T5
II 2Dc T100°C

On request, they can be supplied according to 2014/34/EU - **ATEX**



Series of linear slide units for cylinders ISO 15552 with 4 possible fixing surfaces.

They must be used with heavy loads to guarantee a better linearity of movement and a higher precision.

They can sometimes be used as anti-rotating devices too.

The versions with spherical bearings slide better but can support lighter loads than the version with bronze bushings.

The U-shaped versions, can support lighter loads than the H-shaped ones.

| Options | Suffix |
|----------------------------------|--------|
| Rods in stainless steel AISI 316 | K |
| Special versions on request | / S |

For loads see pages 1.70.25 - 1.70.30.
 For mounting accessories see from page 1.70.40.

How to order: UGPS40/200K

| | | | | |
|------|---------------|---|-----------------|--------|
| UGPS | 40 | / | 200 | K |
| Type | Cylinder bore | / | Cylinder stroke | Option |

The options can be combined (when this is possible)

| Technical data | |
|-------------------|---|
| Temperature range | -20 °C ÷ +70° C |
| Materials | Body: Anodised aluminium Plate: Anodised aluminium Seals: Polyurethane - Bronze bushing: Sintered bronze Bushings: UGLB - UGPB: Sintered bronze UGPS: Spherical bearings Rods: UGLB - UGPB: Chrome plated steel C45 UGPS: Hardened and chrome plated steel CF51 |

| Cylinder bore (mm) | Standard strokes of cylinders D.E. (mm) | Maximum stroke of cylinders D.E. (mm) |
|--------------------|---|---------------------------------------|
| 32 | 25, 50, 80, 100, 125, 160, 200, 250, 300, 320, 400, 500 | 2500 |
| 40 | | |
| 50 | | |
| 63 | | |
| 80 | | |
| 100 | | |

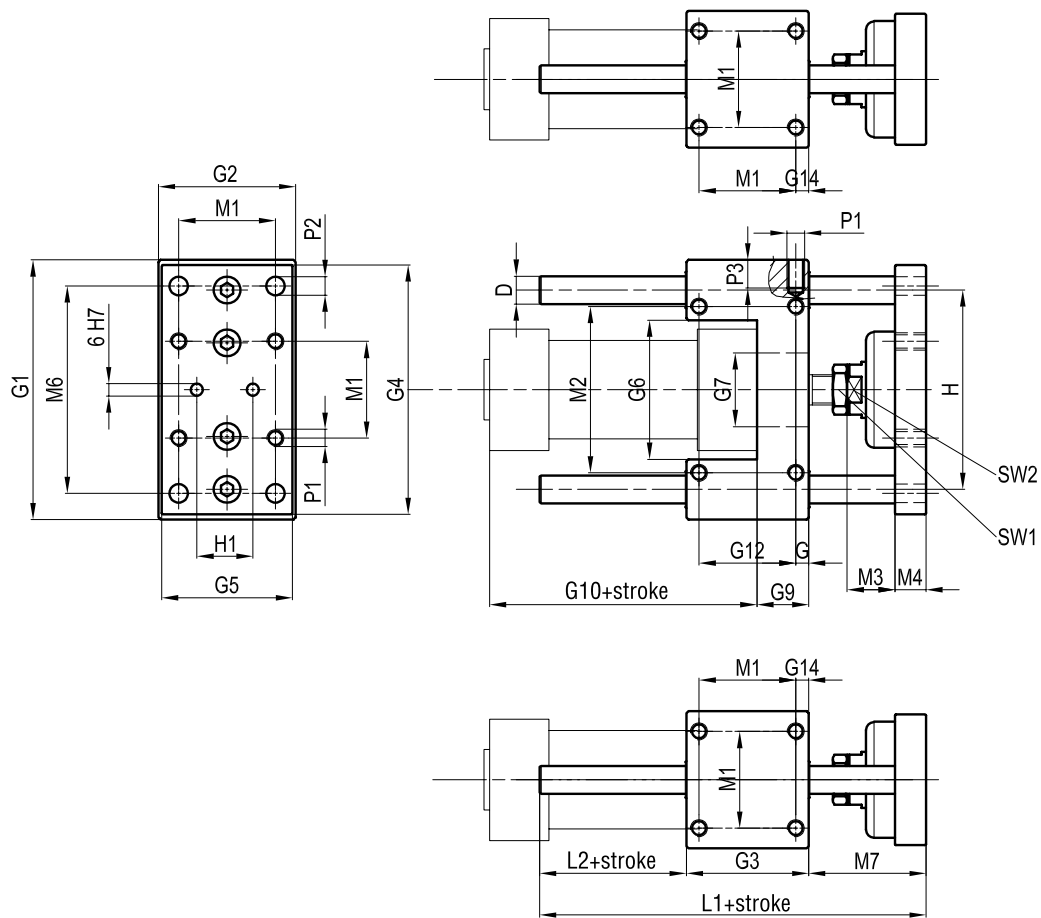
Seal kits not available.

Slide Units for Cylinders ISO 15552

Bores from 32 to 100 mm



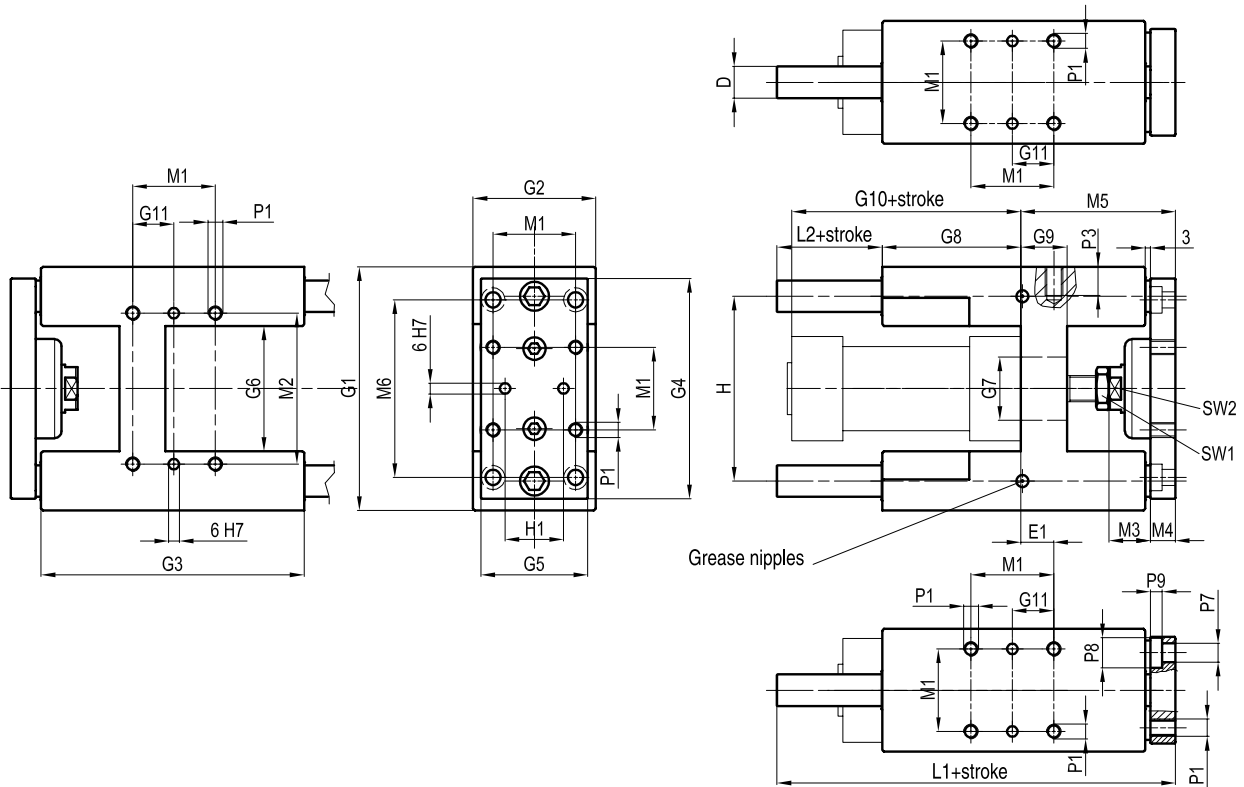
Type: **UGLB**



| Ø mm | D | G | G ₁ | G ₂ | G ₃ | G ₄ | G ₅ | G ₆ | Ø G ₇ | G ₉ | G ₁₀ | G ₁₂ | G ₁₄ | H | H ₁ |
|------|----|-----|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|-----------------|-----------------|-----------------|-----|----------------|
| 32 | 12 | 7,8 | 100 | 48 | 48 | 95 | 45 | 48 | 30 | 17 | 94 | 32,5 | 7,8 | 74 | 31 |
| 40 | 12 | 10 | 106 | 56 | 58 | 101 | 53 | 64 | 35 | 21 | 105 | 38 | 10 | 80 | 36 |
| 50 | 16 | 6,3 | 125 | 66 | 59 | 120 | 63 | 67 | 40 | 25 | 106 | 46,5 | 6,3 | 96 | 45 |
| 63 | 16 | 9,8 | 132 | 76 | 76 | 127 | 73 | 76 | 45 | 25 | 121 | 56,5 | 9,8 | 104 | 45 |
| 80 | 20 | 20 | 165 | 98 | 90 | 160 | 95 | 97 | 45 | 34 | 128 | 50 | 9 | 130 | 56 |
| 100 | 20 | 20 | 185 | 118 | 110 | 180 | 115 | 117 | 55 | 39 | 138 | 70 | 10,5 | 150 | 56 |

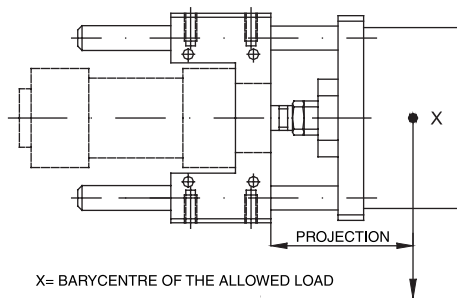
| Ø mm | M ₁ | M ₂ | M ₃ | M ₄ | M ₆ | M ₇ | L ₁ | L ₂ | Ø P ₁ | P ₂ | P ₃ | SW ₁ | SW ₂ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|-----------------|-----------------|
| 32 | 32,5 | 58 | 23 | 11 | 78 | 46 | 108 | 14 | M6 | 6,5 | 12 | 17 | 17 |
| 40 | 38 | 64 | 23 | 15 | 84 | 52 | 120 | 10 | M6 | 6,5 | 12 | 19 | 17 |
| 50 | 46,5 | 80 | 24 | 15 | 100 | 65 | 130 | 6 | M8 | 8,5 | 15 | 24 | 24 |
| 63 | 56,5 | 95 | 24 | 15 | 105 | 65 | 145 | 4 | M8 | 8,5 | 15 | 24 | 24 |
| 80 | 72 | 130 | 28,5 | 16 | 130 | 71 | 170 | 9 | M10 | 11 | 18 | 30 | 27 |
| 100 | 89 | 150 | 30 | 18 | 150 | 71 | 190 | 9 | M10 | 11 | 18 | 30 | 27 |

Type: UGPB-UGPS

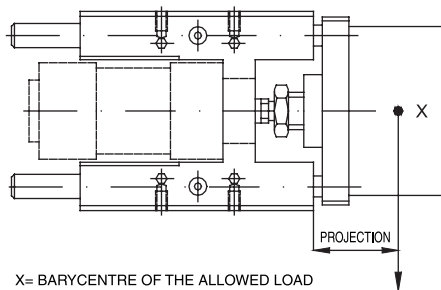
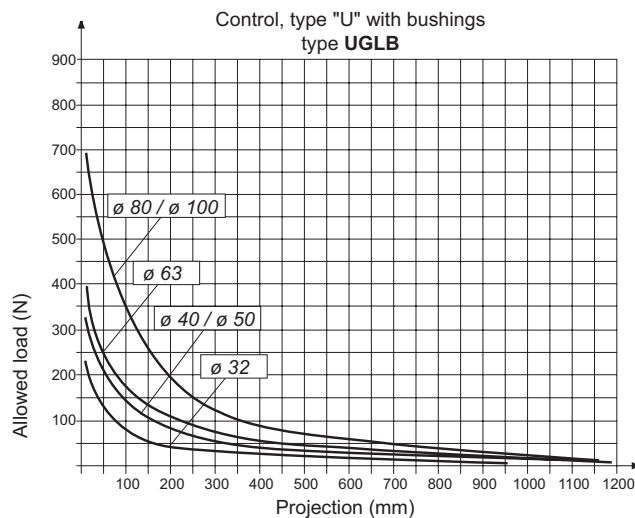


| Ø mm | D | E ₁ | G ₁ | G ₂ | G ₃ | G ₄ | G ₅ | G ₆ | Ø G ₇ | G ₈ | G ₉ | G ₁₀ | G ₁₁ | H | H ₁ |
|------|----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|-----------------|-----------------|-----|----------------|
| 32 | 12 | 4,3 | 97 | 49 | 125 | 90 | 45 | 50,2 | 30 | 76 | 17 | 94 | 16,25 | 74 | 31 |
| 40 | 16 | 11 | 115 | 58 | 139 | 110 | 54 | 58,2 | 35 | 81 | 21 | 105 | 19 | 87 | 36 |
| 50 | 20 | 18,8 | 137 | 69 | 148 | 124 | 60 | 70,2 | 40 | 78 | 26 | 106 | 23,25 | 104 | 45 |
| 63 | 20 | 15,3 | 152 | 85 | 178 | 145 | 79 | 85,2 | 45 | 107 | 26 | 121 | 28,25 | 119 | 45 |
| 80 | 25 | 21 | 189 | 105 | 215 | 180 | 99 | 106 | 45 | 128 | 34 | 128 | 36 | 148 | 56 |
| 100 | 25 | 24,5 | 213 | 129 | 220 | 200 | 120 | 131 | 55 | 128 | 39 | 138 | 44,5 | 172 | 56 |

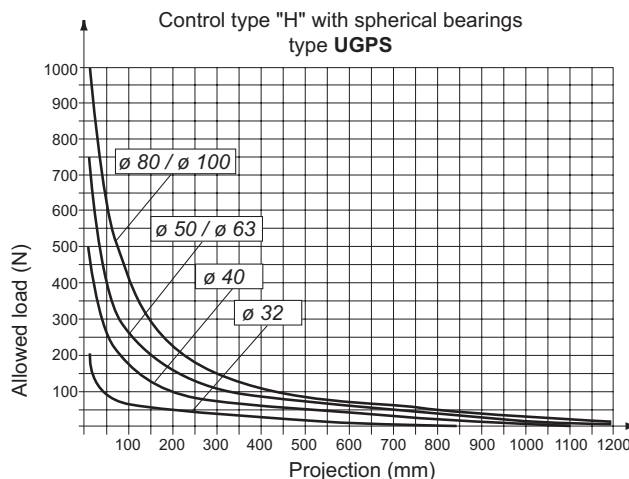
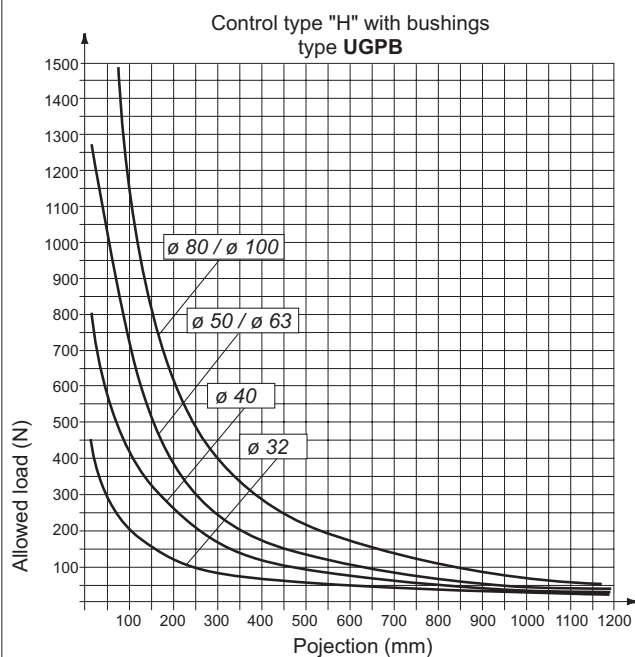
| Ø mm | M ₁ | M ₂ | M ₃ | M ₄ | M ₅ | M ₆ | L ₁ | L ₂ | Ø P ₁ | P ₃ | Ø P ₇ | Ø P ₈ | P ₉ | SW ₁ | SW ₂ |
|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|------------------|------------------|----------------|-----------------|-----------------|
| 32 | 32,5 | 61 | 23 | 11 | 63 | 78 | 177 | 38 | M6 | 10 | 6,5 | 10,5 | 6,5 | 15 | 17 |
| 40 | 38 | 69 | 23 | 15 | 76 | 84 | 192 | 35 | M6 | 10 | 6,5 | 10,5 | 6,5 | 15 | 17 |
| 50 | 46,5 | 85 | 24 | 14 | 87 | 100 | 204 | 39 | M8 | 16 | 8,5 | 13,5 | 9 | 22 | 24 |
| 63 | 56,5 | 100 | 24 | 15 | 89 | 105 | 237 | 41 | M8 | 16 | 8,5 | 13,5 | 9 | 22 | 24 |
| 80 | 72 | 130 | 30 | 20 | 110 | 130 | 280 | 42 | M10 | 18 | 11 | 18 | 11 | 27 | 27 |
| 100 | 89 | 150 | 30 | 20 | 115 | 150 | 280 | 37 | M10 | 18 | 11 | 18 | 11 | 27 | 27 |



Graph of the maximum allowed load according to the projection (vertical loading plane)

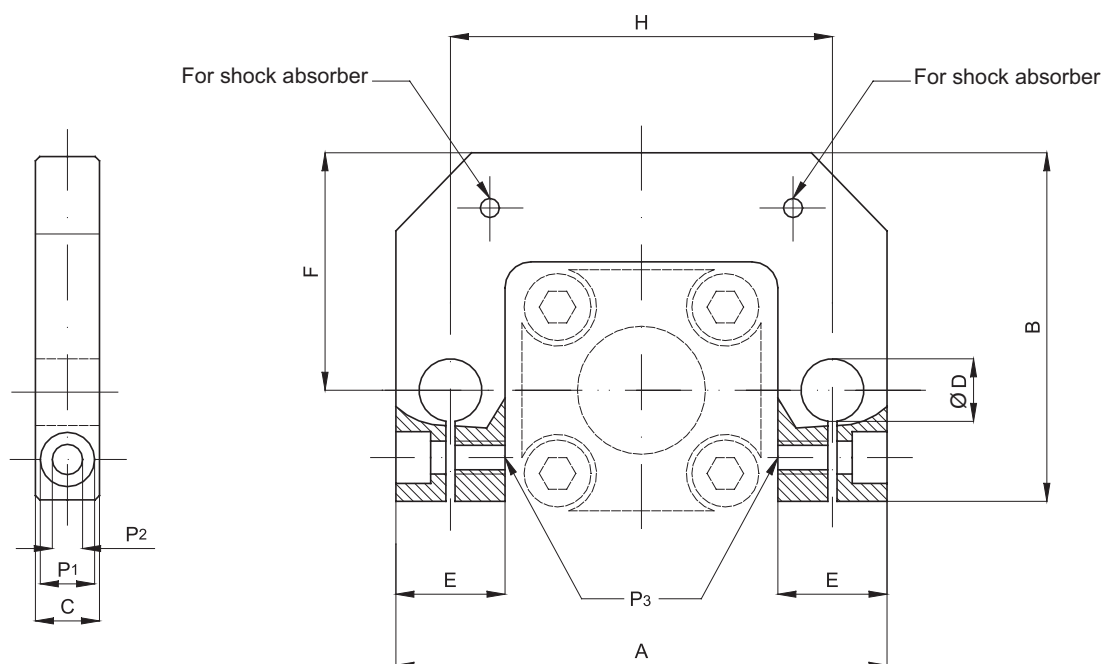


Graph of the maximum allowed load according to the projection (vertical loading plane)



Connecting bracket for rods

Type: **SCSG**



| Code | Item | For cyl. Ø mm | A | B | C | D Ø | E | F | H | P ₁ | P ₂ | P ₃ |
|--------|---------|---------------|-----|-----|----|-----|----|-----|-----|----------------|----------------|----------------|
| 077901 | SCSG032 | 32 | 95 | 68 | 12 | 12 | 21 | 46 | 74 | 10,5 | 6,5 | M6 |
| 077902 | SCSG040 | 40 | 113 | 78 | 15 | 15 | 26 | 56 | 87 | 10,5 | 6,5 | M6 |
| 077903 | SCSG050 | 50 | 135 | 98 | 17 | 20 | 30 | 66 | 104 | 10,5 | 6,5 | M6 |
| 077904 | SCSG063 | 63 | 149 | 118 | 17 | 20 | 31 | 78 | 119 | 13,5 | 8,5 | M8 |
| 077905 | SCSG080 | 80 | 187 | 142 | 20 | 25 | 39 | 99 | 148 | 13,5 | 8,5 | M8 |
| 077906 | SCSG100 | 100 | 211 | 163 | 20 | 25 | 39 | 114 | 172 | 13,5 | 8,5 | M8 |

For shock absorbers see page 1.105.1.