

New products for machining technicians

NEW ABS adapters



Work with flexibility and process-security with the modular ABS coupling system for rotating and stationary tools.



Solid drilling and bore machining

- 1 HSS drilling
- 2 Solid carbide drilling
- 3 Indexable insert drilling
- 4 Reaming and Countersinking

Threading

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- 6 Taps and thread formers
- 7 Circular and Thread Milling
- 8 Thread turning

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WNT \ Performance

Premium quality tools for high performance.

The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.






WNT \ Standard

Quality tools for standard applications.

The quality tools of the **WNT Standard** product line are high quality, powerful and reliable and enjoy the highest trust of our customers worldwide. Tools from this product line are the first choice for many standard applications and guarantee optimal results.

Symbol explanation

Version

| | |
|---|--|
|  | Without coolant supply (Form A) |
|  | Axial coolant (Form AD) |
|  | Coolant supply either via the flange, or central (Form AD / B) |
|  | With eroded cooling ducts |
|  | Adapter with two additional coolant holes |

SZID = For tool size

Types

| | |
|----------------------------|---|
| Centro-P | Precision collet chuck with high holding forces, suitable for all machining |
| Centro-P WD | Collet with pull-out protection, specifically for use with Centro-P precision collet chucks |
| Centro-P Coated | Coated precision collet for Centro-P precision collet chuck |
| TG | Specially matched adapter for ThermoGrip® shrinking process |
| NC 2010 | Short drill chuck for all drilling applications |
| Coated | Coated collet for universal application |
| ER-B 2 µm | Collets Description ▲ Type - Version ▲ Concentricity |
| ABS | KOMET ABS – modular coupling system for rotating and stationary tools |

Toolfinder – Machine interface

■ DIN 69871 – SK steep taper adapters



- ▲ SK 30
- ▲ SK 40
- ▲ SK 50

| | |
|-----------------------------------|-------|
| ▶ Toolfinder – Adapters, rotating | 4+5 |
| ▶ Product programme | 10-49 |

■ JIS B 6339 – BT steep taper adapters



MAS-BT / MAS-BT-FC with face contact

- ▲ BT 30
- ▲ BT 40
- ▲ BT 50
- ▲ BT-FC 30
- ▲ BT-FC 40
- ▲ BT-FC 50

| | |
|-----------------------------------|-------|
| ▶ Toolfinder – Adapters, rotating | 4+5 |
| ▶ MAS-BT product range | 50-83 |
| ▶ MAS-BT-FC product range | 84-92 |

■ HSK hollow taper adapters with face contact



ISO 12164 – HSK-A / HSK-E

- ▲ HSK-A 32
- ▲ HSK-A 40
- ▲ HSK-A 50
- ▲ HSK-A 63
- ▲ HSK-A 100
- ▲ HSK-E 25
- ▲ HSK-E 32
- ▲ HSK-E 40
- ▲ HSK-E 50

| | |
|-----------------------------------|---------|
| ▶ Toolfinder – Adapters, rotating | 4+5 |
| ▶ HSK-A product range | 93-133 |
| ▶ HSK-E product range | 134-138 |

ISO 12164-3 – HSK-T

- ▲ HSK-T 63
- ▲ HSK-T 100

| | |
|-------------------------------------|---------|
| ▶ Toolfinder – Adapters, stationary | 6+7 |
| ▶ Product programme | 139-156 |

■ ISO 26623-1 – PSC polygon hollow adapters with face contact



PSC, rotating

- ▲ PSC 32
- ▲ PSC 40
- ▲ PSC 50
- ▲ PSC 63
- ▲ PSC 80

| | |
|-----------------------------------|---------|
| ▶ Toolfinder – Adapters, rotating | 4+5 |
| ▶ Product programme | 157-173 |

PSC, stationary

- ▲ PSC 32
- ▲ PSC 40
- ▲ PSC 50
- ▲ PSC 63
- ▲ PSC 80
- ▲ PSC 80X

| | |
|-------------------------------------|---------|
| ▶ Toolfinder – Adapters, stationary | 6+7 |
| ▶ Product programme | 174-187 |










■ ISO 10889 – VDI tool holders with cylindrical shank



- ▲ VDI 16
- ▲ VDI 20
- ▲ VDI 25
- ▲ VDI 30
- ▲ VDI 40
- ▲ VDI 50

| | |
|-------------------------------------|---------|
| ▶ Toolfinder – Adapters, stationary | 8+9 |
| ▶ Product programme | 188-205 |
| ▶ Driven Tools | 224-226 |










Toolfinder – Adapters, rotating

| Holder Type |  |  |  |  |  |  |  |  |  | |
|--|---|---|---|---|--|---|---|---|---|---------|
| | Finishing | Roughing - Finishing | Roughing | DIN 69871 SK | JIS B 6339 MAS-BT | JIS B 6339 MAS-BT-FC | ISO 12164 HSK-A | ISO 12164 HSK-E | ISO 26623-1 PSC | |
| Maximum | Centro-P | | | | | | | | | |
| | ▲ ER Precision Collet chuck | ● | ● | ● | 10-12 | 50-52 | 84 | 93-95 | 134+135 | 157 |
| | ▲ OZ precision collet chuck | ● | ● | ● | 13 | 53 | | 96 | | |
| | High Pressure Milling Chuck | ● | ● | ○ | 14-16 | 54-56 | 86 | 97-99 | | 158 |
| | Hydraulic chuck | ● | | | 17+18 | 57+58 | 87 | 100+101 | | |
| | Heat Shrink Adapter | ● | ○ | | 19-22 | 59+60 | 85 | 102-107 | 136 | 159+160 |
| Micro-Precision Collet Chuck | ● | | | | | | 119 | 137 | | |
| Accuracy | Cylindrical shank adapter | | | | | | | | | |
| | ▲ Weldon | | ○ | ● | 23-25 | 61+62 | 88 | 108-112 | | 161 |
| | ▲ Whistle Notch | | ○ | ● | 26+27 | 63+64 | | 113 | | 162 |
| | Indexable insert drill adapter | | | | 28 | 65 | | 114 | | 163 |
| | Collet Chuck | | | | | | | | | |
| | ▲ ER Collet chuck | ● | ○ | | 29 | 66 | 89 | 115-117 | | 164+165 |
| | ▲ OZ Collet Chuck | ● | ○ | | 30 | 67 | | | | |
| | NC 2010 short drill chuck | | | | 31 | 68 | | 118 | | |
| | Quick change tapping chuck with minimum length compensation | | | | 32+33 | 69+70 | | 120+121 | | 166 |
| | Quick change tap chuck with length compensation | | | | 34 | 71 | | 122 | | 167 |
| Quick change tap chuck without length compensation | | | | 34 | 71 | | 122 | | | |
| ABS adapters | | | | 35+36 | 72+73 | | 123+124 | | | |












● = Main Application

○ = Extended application

Toolfinder – Adapters, rotating

| | |  |  |  |  |  |  |  |  |  |
|-------------------------------|--|---|---|---|---|--|---|---|---|---|
| Holder Type | | Finishing | Roughing - Finishing | Roughing | DIN 69871 SK | JIS B 6339 MAS-BT | JIS B 6339 MAS-BT-FC | ISO 12164 HSK-A | ISO 12164 HSK-E | ISO 26623-1 PSC |
| Accuracy Medium | Adapter for milling cutters with threaded end | | ○ | ● | 37+38 | 74 | | 125+126 | | 168 |
| | Face mill adapter | | | | | | | | | |
| | ▲ Combination shell mill adapter | ● | ● | ● | 39 | 75 | | 127 | | 169+170 |
| | ▲ Shell mill adapter | ● | ● | ● | 40+41 | 76+77 | 90 | 128-130 | | |
| | ▲ Large diameter facemill adapter | ● | ● | ● | 42 | 78 | | | | |
| | Drill chuck adapter | | | | 43 | 79 | | | | |
| | Milling adapter sleeve for Morse taper shanks with external thread | | ○ | ● | 44 | 80 | | | | |
| Taper adapter for Morse taper | | | | 45 | 81 | | 131 | | 171 | |

Overview Accessories

| | |  |  |  |  |  |  |
|---|---|---|--|---|---|---|---|
| | | DIN 69871 SK | JIS B 6339 MAS-BT | JIS B 6339 MAS-BT-FC | ISO 12164 HSK-A | ISO 12164 HSK-E | ISO 26623-1 PSC |
| Intermediate/reducing adapter for SK adapters |  | 46 | 82 | | | | |
| Blank |  | 47 | 83 | | 132 | | 172 |
| Test bar |  | 47 | 83 | | 133 | | 173 |
| Pull stud |  | 48+49 | 91+92 | | | | |
| Coolant pipe/key |  | | | | 138 | | 173 |

 Collets and quick change adapters can be found on → **Pages 206–223.**

Toolfinder – Stationary adapters – HSK-T and PSC tool holders

Toolholders for negative turning inserts

| | Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|---|---------------------------------------|---|--------------------|------------------|
| | Machining | | | |
| | DCLN 95° Internal + External |  | 139 | 174 |
|  | DCMN 95° External |  | 139 | |
| | DCMN+ DDMN External |  | 140 | |
| | DCMN+ DDMN External |  | 140 | |
| | DDUN 93° Internal + External |  | 140 | |
|  | DDJN 93° Internal + External |  | 141 | 174 |
| | DDHN 107,5° Internal + External |  | 141 | |
| | DDMN 48° External |  | 142 | |
|  | DSDN 45° External |  | 142 | |
|  | DVMN 50° External |  | 143 | |
|  | DWLN 95° Internal + External |  | 143 | 175 |

Toolholders for positive turning inserts

| | Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|---|---------------------------------------|---|--------------------|------------------|
| | Machining | | | |
| | SCLC 95° Internal + External |  | 144 | |
|  | SCMC 50° External |  | 144 | |
| | SDJC 93° Internal + External |  | 145 | 175 |
|  | SDNC 62,5° Internal + External |  | | 176 |
| | SDMC 48° External |  | 145 | |
| | PRDC 0° External |  | 146 | |
|  | PRSC Internal + External |  | 146 | |
| | SVUC 93° Internal + External |  | 147 | |
| | SVJC 93° Internal + External |  | 147 | |
|  | SVHC 107,5° Internal + External |  | 148 | |
| | SVMC 50° External |  | 148 | |

Multifunction tools – EcoCut

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|--------|---|--------------------|------------------|
| 2,25xD |  | 152 | |

Toolfinder – Stationary adapters – HSK-T and PSC tool holders

Holders for grooving and threading inserts

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|------|---|--------------------|------------------|
| 0° |  | 153 | |
| 90° |  | 153 | |

Toolholders for threading inserts

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|-----------------|---|--------------------|------------------|
| Internal thread |  | | 179 |
| External thread |  | | 179 |

Boring bars for negative inserts

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|---|--|--------------------|------------------|
|  DCLN 95° CN.. |  | 149 | |
|  DDUN 93° DN.. |  | 149 | |
|  DWLN 95° WN.. |  | 150 | |

Boring bars for positive inserts

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|---|---|--------------------|------------------|
|  SCLC 95° CC.. |  | 151 | 177 |
|  SDUC 93° DC.. |  | 151 | 177 |
| SVUC 93° |  | 152 | |
|  VC.. SVQC 107,5° |  | | 178 |

Basic holder

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|----------------------------------|---|--------------------|------------------|
| Square shank holder 0° |  | 155 | 180 |
| Square shank holder 45° |  | 155 | 181 |
| Square shank holder 90° |  | 156 | 180 |
| Square shank holder 2 face 0° |  | | 181 |
| Square shank holder 3 face 0° |  | 155 | 181 |
| Boring bar holder |  | 156 | 182+183 |

Extension / Reduction / Adapter

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|-----------|---|--------------------|------------------|
| Extension |  | | 184 |
| Reduction |  | | 185+186 |

Parting blade holders

| Type | Illustration | HSK-T ISO 12164 | PSC ISO 26623 |
|---|---|--------------------|------------------|
| Parting Blade Holder GX / LX / FX / SX |  | 154 | |
| Radial Grooving Holders, right / left |  | | 180 |

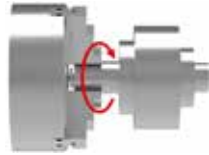
Others





| | | | |
|------------------|---|--|-----|
| Protection plug |  | | 187 |
| Hollow nose keys |  | | 187 |





Toolfinder – Stationary adapters – VDI adapters for star turrets







Toolholders above







| Upper turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|--|--|--|
|  Square Shank Adapters | B2/B3/B6/B7/C1/C2/D1/D2 188-191 | B2/B3/B6/B7/C3/C4/D1/D2 188-191 |
|  Part Off Holder | double 201 | double – overhead 201 |
|  Adapter VDI to VDI | left-hand 202 | left-hand 202 |
|  Boring bar holder | left-hand 202+203 | left-hand 202+203 |

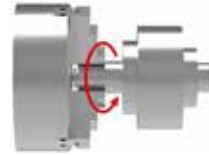
| Lower turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|--|--|--|
|  Square Shank Adapters | B2/B3/B6/B7/C3/C4/D1/D2 188-191 | B2/B3/B6/B7/C1/C2/D1/D2 188-191 |
|  Part Off Holder | double – overhead 201 | double 201 |
|  Adapter VDI to VDI | right-hand 202 | right-hand 202 |
|  Boring bar holder | right-hand 202+203 | right-hand 202+203 |













Toolholders below

| Upper turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|--|--|--|
|  Square Shank Adapters | B2/B3/B6/B7/C3/C4/D1/D2 188-191 | B2/B3/B6/B7/C1/C2/D1/D2 188-191 |
|  Part Off Holder | double 201 | double – overhead 201 |
|  Adapter VDI to VDI | right-hand 202 | right-hand 202 |
|  Boring bar holder | right-hand 202+203 | right-hand 202+203 |




| Lower turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|--|--|--|
|  Square Shank Adapters | B2/B3/B6/B7/C1/C2/D1/D2 188-191 | B2/B3/B6/B7/C3/C4/D1/D2 188-191 |
|  Part Off Holder | double – overhead 201 | double 201 |
|  Adapter VDI to VDI | left-hand 202 | left-hand 202 |
|  Boring bar holder | left-hand 202+203 | left-hand 202+203 |




Toolfinder – Stationary adapters – VDI adapters for disc turrets



| Upper turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|---|-------------------------------|------------------------------------|
|  Square Shank Adapters | B1/B5/C1/C2/D1 188-191 | B3/B7/C3/C4/D2 188-191 |
|  Cylindrical Shank Adapters | E/E1/E2/E3/E4 191-194 | E/E1/E2/E3/E4 191-194 |
|  Taper Adapters | F1 195 | F1 195 |
|  Part Off Holder | right-hand 196+197 | overhead right 196+197 |
|  Drill Chucks | NC 2010 198 | NC 2010 198 |
|  Tapping Chucks | GSF/GML 199 | GSF/GML 199 |
| Lower turret | Spindle rotation clockwise | Spindle rotation counter clockwise |
|  Square Shank Adapters | B4/B8/C3/C4/D2 188-191 | B2/B6/C1/C2/D1 188-191 |
|  Cylindrical Shank Adapters | E/E1/E2/E3/E4 191-194 | E/E1/E2/E3/E4 191-194 |
|  Taper Adapters | F1 195 | F1 195 |
|  Part Off Holder | overhead left 196+197 | left-hand 196+197 |
|  Drill Chucks | NC 2010 198 | NC 2010 198 |
|  Tapping Chucks | GSF/GML 199 | GSF/GML 199 |

Accessories

| | |
|---|----------------|
|  Bar stop | 198 |
|  Test arbors | 200 |
|  Tool holders | 200+201 |

| | |
|--|------------|
|  Bar pullers | 204 |
|  Gripper accessories | 205 |
|  Protection plug | 205 |

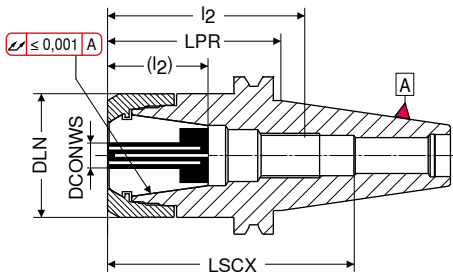
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 n_{max} 25000



AD/B
G 2,5 n_{max} 25000





| Adapter | DCONWS | LPR | DLN | LSCX | l ₂ (l ₂) | for collet | Article no. | |
|---------|--------|-----|-----|------|----------------------------------|-------------|-------------------|------------|
| | | | | | | | 84 424 ... | 84 414 ... |
| SK 30 | 2 - 16 | 70 | 40 | 66 | 35 - 49 (18 - 31) | 430E (ER25) | 016 | |
| SK 30 | 2 - 20 | 70 | 50 | 75 | 50 - 75 (29 - 40) | 470E (ER32) | 020 | |
| SK 40 | 1 - 10 | 70 | 30 | 110 | 28 - 45 (16 - 31) | 426E (ER16) | 102 | |
| SK 40 | 1 - 10 | 100 | 30 | 140 | 28 - 45 (16 - 31) | 426E (ER16) | 103 | |
| SK 40 | 1 - 10 | 130 | 30 | 140 | 28 - 50 (14 - 34) | 426E (ER16) | | 510 |
| SK 40 | 1 - 10 | 160 | 30 | 200 | 28 - 45 (16 - 31) | 426E (ER16) | | 910 |
| SK 40 | 2 - 16 | 45 | 40 | 85 | 35 - 60 (20 - 42) | 430E (ER25) | | 816 |
| SK 40 | 2 - 16 | 70 | 40 | 110 | 35 - 60 (20 - 42) | 430E (ER25) | 162 | |
| SK 40 | 2 - 16 | 100 | 40 | 113 | 35 - 60 (20 - 42) | 430E (ER25) | 163 | |
| SK 40 | 2 - 16 | 130 | 40 | 140 | 38 - 67 (21 - 49) | 430E (ER25) | | 516 |
| SK 40 | 2 - 16 | 160 | 40 | 118 | 35 - 60 (20 - 42) | 430E (ER25) | | 916 |
| SK 40 | 2 - 16 | 200 | 40 | 148 | 35 - 60 (20 - 42) | 430E (ER25) | | 917 |
| SK 40 | 2 - 20 | 50 | 50 | 85 | 52 - 70 (26 - 52) | 470E (ER32) | 201 | |
| SK 40 | 2 - 20 | 70 | 50 | 111 | 55 - 75 (42 - 62) | 470E (ER32) | 202 | |
| SK 40 | 2 - 20 | 100 | 50 | 114 | 52 - 70 (32 - 52) | 470E (ER32) | 203 | |
| SK 40 | 2 - 20 | 130 | 50 | 114 | 50 - 74 (36 - 55) | 470E (ER32) | | 620 |
| SK 40 | 2 - 20 | 160 | 50 | 119 | 52 - 70 (32 - 52) | 470E (ER32) | | 920 |
| SK 40 | 3 - 26 | 70 | 63 | 105 | 48 - 55 | 472E (ER40) | 261 ¹⁾ | |
| SK 40 | 3 - 26 | 100 | 63 | 120 | 48 - 62 | 472E (ER40) | 262 ¹⁾ | |
| SK 50 | 1 - 10 | 70 | 30 | 100 | 28 - 45 (16 - 35) | 426E (ER16) | 106 | |
| SK 50 | 1 - 10 | 100 | 30 | 130 | 28 - 55 (16 - 41) | 426E (ER16) | 107 | |
| SK 50 | 1 - 10 | 160 | 30 | 190 | 28 - 55 (16 - 41) | 426E (ER16) | 108 | |
| SK 50 | 2 - 16 | 70 | 40 | 120 | 35 - 64 (20 - 48) | 430E (ER25) | 166 | |
| SK 50 | 2 - 16 | 100 | 40 | 150 | 35 - 64 (20 - 48) | 430E (ER25) | 167 | |
| SK 50 | 2 - 20 | 70 | 50 | 120 | 59 - 85 (40 - 70) | 470E (ER32) | | 320 |
| SK 50 | 2 - 20 | 100 | 50 | 150 | 53 - 81 (35 - 63) | 470E (ER32) | | 520 |
| SK 50 | 2 - 20 | 160 | 50 | 200 | 53 - 83 (35 - 65) | 470E (ER32) | | 720 |
| SK 50 | 3 - 26 | 70 | 63 | 120 | 48 - 60 | 472E (ER40) | 266 | |

1) Non standard groove before tool change collar not according to DIN, not suitable for automatic tool change

→ Transmittable torque moments, page 233

i LSCX = Clamping depth without back stop screw for shanks
 l₂ = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 3 mm longer

Spare parts, ER precision collet chuck

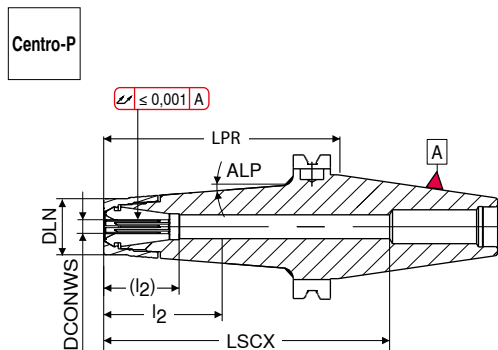
| |  |  |  |  |
|--------------------|---|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | |
| 426E (ER16) | 011 | 001 | M11x1 - SW6 | 341 |
| 430E (ER25) | 013 | 003 | M18x1,5 - SW6 | 432 |
| 470E (ER32) | 015 | 005 | M22x1,5 - SW6 | 402 |
| 472E (ER40) | 017 | 007 | M28x1,5 - SW6 | 400 |

ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD/B
G 2,5 n_{max} 25000







| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | ALP | Article no. 84 417 ... |
|---------|--------|-----|-----|------|-------------------|-------------|------|---------------------------|
| | mm | mm | mm | mm | mm | | | |
| SK 40 | 1 - 10 | 100 | 24 | 140 | 28 - 48 (20 - 35) | 426E (ER16) | 4,5° | 410 |
| SK 40 | 1 - 10 | 160 | 24 | 200 | 28 - 48 (20 - 35) | 426E (ER16) | 2,5° | 910 |

→ Transmittable torque moments, page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

| |  |  |  |  |
|--------------------|---|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | |
| 426E (ER16) | 033 | 031 | M11x1 - SW6 | 341 |
| | | | M11x1 - SW6 | 337 |

Accessories

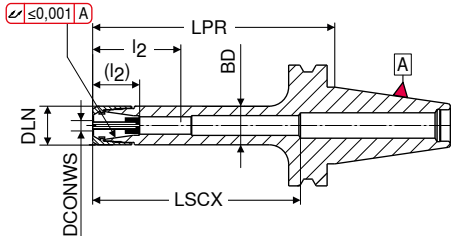
| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| ER collet | Sealing ring | Roll key | Roll key device | Pull studs | Others |
| → 208-211, 213 | → 207 | → 17136 | → 17136 | → 48-49 | → 17134 |

ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ p_{max} 80 bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000



AD/B
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | BD | LSCX | l_2 (l_2) mm | for collet | Article no. | |
|---------|--------|-----|-----|----|------|-----------------------|--------------|-------------|------------|
| | | | | | | | | 84 411 ... | 84 412 ... |
| SK 30 | 1 - 7 | 50 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 007 | |
| SK 30 | 1 - 7 | 100 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 008 | |
| SK 40 | 1 - 7 | 70 | 16 | 16 | 60 | 15 - 32 (7 - 22) | 4008E (ER11) | | 207 |
| SK 40 | 1 - 7 | 100 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | | 407 |
| SK 40 | 1 - 7 | 130 | 16 | 16 | 110 | 15 - 32 (7 - 22) | 4008E (ER11) | | 607 |
| SK 40 | 1 - 7 | 160 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | | 907 |
| SK 40 | 1 - 10 | 70 | 22 | 22 | 90 | 28 - 50 (14 - 36) | 426E (ER16) | | 210 |
| SK 40 | 1 - 10 | 100 | 22 | 22 | 110 | 28 - 50 (14 - 36) | 426E (ER16) | | 310 |
| SK 40 | 1 - 10 | 130 | 22 | 22 | 140 | 28 - 50 (14 - 36) | 426E (ER16) | | 410 |
| SK 40 | 1 - 10 | 160 | 22 | 22 | 170 | 28 - 50 (14 - 36) | 426E (ER16) | | 510 |

→ Transmittable torque moments, page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

| | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|--------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 4008E (ER11) | | 041 | M8x1 - SW4 | 340 |
| 426E (ER16) | 035 | 034 | M11x1 - SW6 | 341 |
| | | | M8x1 - SW4 | 336 |
| | | | M11x1 - SW6 | 337 |

Accessories

| ER collet | Sealing ring | Device | Roll key | Roll key device | Pull studs | Others |
|----------------|--------------|---------|----------|-----------------|------------|---------|
| → 208-211, 213 | → 207 | → 17135 | → 17136 | → 17136 | → 48-49 | → 17134 |

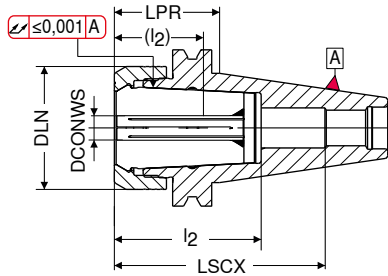
OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD/B
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 406 ... |
|---------|--------|-----|-----|------|-------------------|------------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| SK 40 | 2 - 25 | 43 | 50 | 80 | 53 - 65 (37 - 48) | 462E | 025 |
| SK 50 | 2 - 25 | 50 | 50 | 110 | 55 - 66 (36 - 50) | 462E | 725 |

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet
462E

| | | |
|---------------------------|---------------------------|---------------------------|
| | | |
| Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 020 | M22x1,5 - SW6 | 402 |
| | | M22x1,5 - SW6 |
| | | 401 |

Accessories

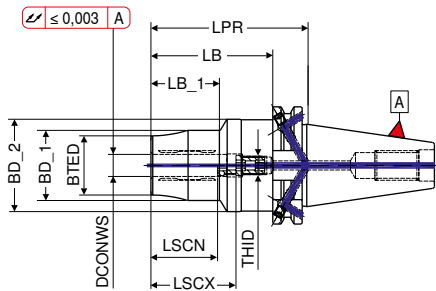
| | | | | | |
|-----------|--------------|----------|-----------------|------------|---------|
| | | | | | |
| OZ Collet | Sealing ring | Roll key | Roll key device | Pull studs | Others |
| → 217 | → 217 | → 17 36 | → 17 36 | → 48-49 | → 17 34 |

High pressure chuck, short version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

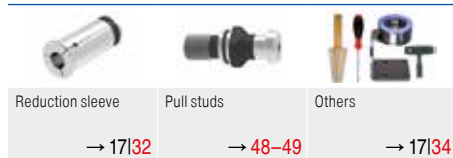
| | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LB_1 | LSCN | LSCN | LB | THID | Article no. 83 422 ... |
|-------|---------|--------|-----|------|------|------|------|------|------|-----|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| short | SK 40 | 16 | 90 | 36 | 42 | 50 | 42 | 49 | 39 | 71 | M12x1 | 116 |
| | SK 40 | 20 | 95 | 42 | 48 | 50 | 45 | 51 | 41 | 76 | M16x1 | 120 |
| | SK 40 | 25 | 110 | 51 | 57 | 50 | 60 | 57 | 47 | 91 | M16x1 | 125 |
| | SK 40 | 32 | 120 | 57 | 63 | 50 | 65 | 61 | 51 | 101 | M16x1 | 132 |

→ Min clamping depth, page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

| Spare parts | Clamping key - T | Pressure pin | Pressure screw | Stop screw IK | | | | |
|-------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------|-----|------------|-----|
| DCONWS | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... | | | | |
| 16 | SW5 | 050 | Ø5 x 16 | 433 | TR10x1,5x14 | 430 | M12x1x18 | 446 |
| 20 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x18,5 | 448 |
| 25 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x22 | 449 |
| 32 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x25 | 450 |

Accessories



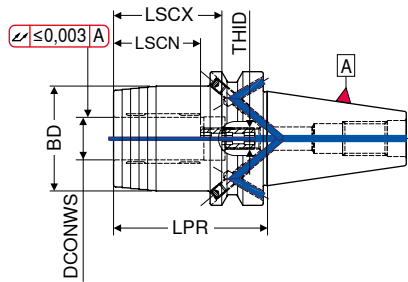
Reduction sleeve → 17|32
Pull studs → 48-49
Others → 17|34

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 427 ...

120

| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID |
|---------|--------|------|----|------|------|------------|
| | mm | mm | mm | mm | mm | |
| SK 40 | 20 | 64,5 | 49 | 51 | 40 | M16x1x13,5 |

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

| Spare parts | Cylindrical screw | Clamping key – T | Pressure screw | Stop screw IK |
|-------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 83 427 120 | M5x5 - SW2,5 157 | SW5 050 | M10x1x14 429 | M16x1x13,5 - SW8 424 |

Accessories

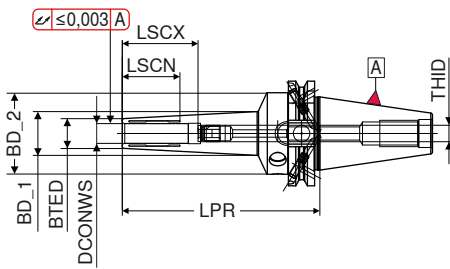
| | | |
|-----------------------------|-----------------------|-------------------|
| | | |
| Reduction sleeve → 17 32 | Pull studs → 48-49 | Others → 17 34 |

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw, pressure screw and screw plug

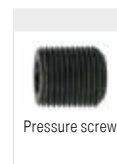
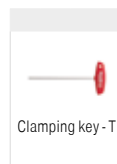
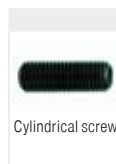


AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LSCX | LSCN | THID | Article no. 83 421 ... |
|------|---------|--------|-----|------|-------|------|------|------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | | |
| long | SK 40 | 3 | 120 | 9 | 17,40 | 49,5 | 28 | 12 | M3 | 103 |
| | SK 40 | 4 | 120 | 10 | 18,40 | 49,5 | 28 | 16 | M3 | 104 |
| | SK 40 | 5 | 120 | 11 | 19,40 | 49,5 | 28 | 20 | M3 | 105 |
| | SK 40 | 6 | 120 | 12 | 20,40 | 49,5 | 37 | 27 | M5 | 106 |
| | SK 40 | 8 | 120 | 14 | 22,40 | 49,5 | 37 | 27 | M6 | 108 |
| | SK 40 | 10 | 120 | 16 | 24,50 | 49,5 | 41 | 31 | M8x1 | 110 |
| | SK 40 | 12 | 120 | 18 | 26,60 | 49,5 | 46 | 36 | M10x1 | 112 |
| | SK 40 | 16 | 120 | 24 | 32,30 | 49,5 | 49 | 39 | M12x1 | 116 |
| | SK 40 | 20 | 120 | 28 | 36,40 | 49,5 | 51 | 41 | M16x1 | 120 |
| | SK 40 | 6 | 160 | 16 | 34,37 | 49,5 | 37 | 27 | M5 | 206 |
| | SK 40 | 8 | 160 | 18 | 35,45 | 49,5 | 37 | 27 | M6 | 208 |
| | SK 40 | 10 | 160 | 20 | 37,10 | 49,5 | 41 | 31 | M8x1 | 210 |
| | SK 40 | 12 | 160 | 22 | 38,72 | 49,5 | 46 | 36 | M10x1 | 212 |
| | SK 40 | 6 | 200 | 16 | 38,72 | 49,5 | 37 | 27 | M5 | 306 |
| | SK 40 | 8 | 200 | 18 | 39,74 | 49,5 | 37 | 27 | M6 | 308 |
| | SK 40 | 10 | 200 | 20 | 41,40 | 49,5 | 41 | 31 | M8x1 | 310 |
| | SK 40 | 12 | 200 | 22 | 43,02 | 49,5 | 46 | 36 | M10x1 | 312 |

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth



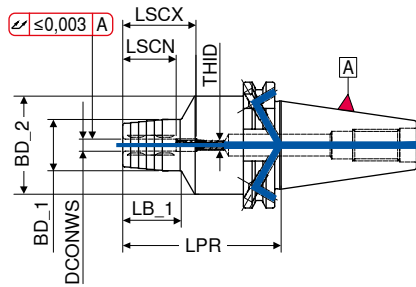
| Spare parts | Article no. 83 950 ... | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|
| for Article no. | | | | |
| 83 421 103 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M3x20 - SW1,5 172 |
| 83 421 104 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M3x20 - SW1,5 172 |
| 83 421 105 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M3x20 - SW1,5 172 |
| 83 421 106 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M5x12,5 - SW2,5 418 |
| 83 421 108 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M6x12,5 - SW3 419 |
| 83 421 110 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M8x1x13,5 - SW3 420 |
| 83 421 112 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M10x1x13,5 - SW5 421 |
| 83 421 116 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M12x1x13,5 - SW5 422 |
| 83 421 120 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M16x1x13,5 - SW8 424 |
| 83 421 206 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M5x12,5 - SW2,5 418 |
| 83 421 208 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M6x12,5 - SW3 419 |
| 83 421 210 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M8x1x13,5 - SW3 420 |
| 83 421 212 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M8x1x13,5 - SW3 420 |
| 83 421 306 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M5x12,5 - SW2,5 418 |
| 83 421 308 | M5x5 - SW2,5 157 | SW5 050 | M10x1x10 158 | M6x12,5 - SW3 419 |
| 83 421 310 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M8x1x13,5 - SW3 420 |
| 83 421 312 | M5x5 - SW2,5 157 | SW5 050 | M10x1x12 159 | M8x1x13,5 - SW3 420 |

Hydraulic chuck, short and slim version

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BD_1 | BD_2 | LSCX | LSCN | LB_1 | THID | Article no. |
|----------------|---------|--------|-------|------|------|------|------|------|-------|-------------|
| | | mm | mm | mm | mm | mm | mm | mm | | 83 402 ... |
| short and slim | SK 40 | 6 | 80,5 | 26 | 49,5 | 37 | 27 | 29,5 | M5 | 106 |
| | SK 40 | 8 | 80,5 | 28 | 49,5 | 37 | 27 | 30,0 | M6 | 108 |
| | SK 40 | 10 | 80,5 | 30 | 49,5 | 41 | 31 | 35,0 | M8x1 | 110 |
| | SK 40 | 12 | 80,5 | 32 | 49,5 | 46 | 36 | 40,0 | M10x1 | 112 |
| | SK 40 | 16 | 80,5 | 38 | 49,5 | 49 | 39 | 45,0 | M12x1 | 116 |
| | SK 40 | 20 | 80,5 | 42 | 49,5 | 51 | 41 | 47,0 | M16x1 | 120 |
| | SK 40 | 25 | 80,5 | 55 | 63,0 | 57 | 47 | 28,0 | M16x1 | 125 |
| | SK 40 | 32 | 80,5 | 63 | 70,0 | 61 | 51 | 25,5 | M16x1 | 132 |
| | SK 50 | 6 | 80,5 | 26 | 49,5 | 37 | 27 | 29,5 | M5 | 306 |
| | SK 50 | 8 | 80,5 | 28 | 49,5 | 37 | 27 | 30,0 | M6 | 308 |
| | SK 50 | 10 | 80,5 | 30 | 49,5 | 41 | 31 | 35,0 | M8x1 | 310 |
| | SK 50 | 12 | 80,5 | 32 | 49,5 | 46 | 36 | 40,0 | M10x1 | 312 |
| | SK 50 | 16 | 80,5 | 38 | 49,5 | 49 | 39 | 45,0 | M12x1 | 316 |
| | SK 50 | 20 | 80,5 | 42 | 49,5 | 51 | 41 | 42,0 | M16x1 | 320 |
| | SK 50 | 25 | 100,0 | 55 | 63,0 | 57 | 47 | 48,0 | M16x1 | 325 |
| | SK 50 | 32 | 100,0 | 63 | 70,0 | 61 | 51 | 61,0 | M16x1 | 332 |

→ Min. clamping depth, Page 233

| Spare parts DCONWS | Pressure screw | Article no. | Stop screw IK | Article no. | Stop screw IK | Article no. |
|-----------------------|----------------|-------------|------------------|-------------|---------------|-------------|
| | | 83 950 ... | | 83 950 ... | | 83 950 ... |
| 6 | M8x1x10 | 439 | M5x12,5 - SW2,5 | 418 | | |
| 8 | M8x1x10 | 439 | M6x12,5 - SW3 | 419 | M6x14 - SW2 | 417 |
| 10 | M10x1x12 | 440 | M8x1x13,5 - SW3 | 420 | | |
| 12 | M10x1x12 | 440 | M10x1x13,5 - SW5 | 421 | | |
| 16 | M10x1x12 | 440 | M12x1x13,5 - SW5 | 422 | | |
| 20 - 32 | M10x1x12 | 440 | M16x1x13,5 - SW8 | 424 | | |

Accessories

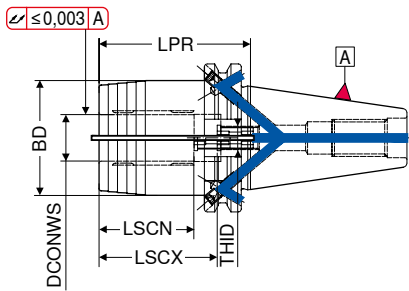
| | | |
|------------------|------------|---------|
| | | |
| Reduction sleeve | Pull studs | Others |
| → 17 32 | → 48-49 | → 17 34 |

Hydraulic chuck, short and stable version

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 425 ...

120

332

→ Min. clamping depth, Page 233

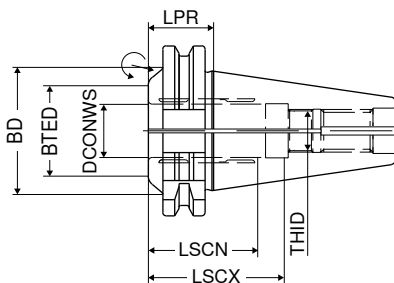
| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID |
|---------|--------|------|------|------|------|-------|
| | mm | mm | mm | mm | mm | |
| SK 40 | 20 | 64,5 | 49,5 | 51 | 41 | M16x1 |
| SK 50 | 32 | 81,0 | 72,0 | 61 | 51 | M16x1 |

Hydraulic chuck, extra short

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 403 ...

120

→ Min. clamping depth, Page 233

| Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID |
|---------|--------|------|------|----|------|------|-------|
| | mm | mm | mm | mm | mm | mm | |
| SK 40 | 20 | 24,5 | 34 | 48 | 51 | 41 | M16x1 |

Spare parts

DCONWS

20-32



Pressure screw

Article no.
83 950 ...

440



Stop screw IK

Article no.
83 950 ...

424

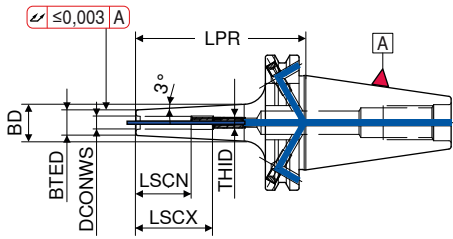
M10x1x12

M16x1x13,5-SW8

Heat shrink adapter, slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



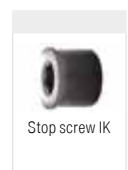
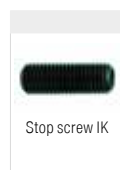
AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. |
|------------|---------|--------|-----|------|----|------|-------|-------|-------------|
| | | mm | mm | mm | mm | mm | mm | | 84 320 ... |
| short | SK 40 | 3 | 80 | 9 | 14 | 28 | 12 | M6 | 103 |
| | SK 40 | 4 | 80 | 10 | 15 | 28 | 16 | M6 | 104 |
| | SK 40 | 5 | 80 | 11 | 16 | 30 | 20 | M6 | 105 |
| | SK 40 | 6 | 80 | 12 | 17 | 36 | 26 | M5 | 106 |
| | SK 40 | 8 | 80 | 14 | 19 | 36 | 26 | M6 | 108 |
| | SK 40 | 10 | 80 | 16 | 21 | 41 | 31 | M8x1 | 110 |
| | SK 40 | 12 | 80 | 18 | 23 | 47 | 37 | M10x1 | 112 |
| | SK 40 | 14 | 80 | 20 | 26 | 47 | 37 | M10x1 | 114 |
| | SK 40 | 16 | 80 | 22 | 28 | 50 | 40 | M12x1 | 116 |
| | SK 40 | 18 | 80 | 24 | 30 | 50 | 40 | M12x1 | 118 |
| | SK 40 | 20 | 80 | 26 | 32 | 52 | 42 | M16x1 | 120 |
| long | SK 40 | 3 | 120 | 9 | 16 | 12 | 12 | | 203 |
| | SK 40 | 4 | 120 | 10 | 17 | 16 | 16 | | 204 |
| | SK 40 | 5 | 120 | 11 | 18 | 20 | 20 | | 205 |
| | SK 40 | 6 | 120 | 12 | 22 | 36 | 26 | M5 | 206 |
| | SK 40 | 8 | 120 | 14 | 24 | 36 | 26 | M6 | 208 |
| | SK 40 | 10 | 120 | 16 | 26 | 41 | 31 | M8x1 | 210 |
| | SK 40 | 12 | 120 | 18 | 28 | 47 | 37 | M10x1 | 212 |
| | SK 40 | 14 | 120 | 20 | 30 | 47 | 37 | M10x1 | 214 |
| | SK 40 | 16 | 120 | 22 | 32 | 50 | 40 | M12x1 | 216 |
| | SK 40 | 18 | 120 | 24 | 34 | 50 | 40 | M12x1 | 218 |
| extra-long | SK 40 | 3 | 160 | 9 | 19 | 12 | 12 | | 303 |
| | SK 40 | 4 | 160 | 10 | 20 | 16 | 16 | | 304 |
| | SK 40 | 5 | 160 | 11 | 21 | 20 | 20 | | 305 |
| | SK 40 | 6 | 160 | 12 | 24 | 36 | 26 | M5 | 306 |
| | SK 40 | 8 | 160 | 14 | 26 | 36 | 26 | M6 | 308 |
| | SK 40 | 10 | 160 | 16 | 28 | 41 | 31 | M8x1 | 310 |
| | SK 40 | 12 | 160 | 18 | 30 | 47 | 37 | M10x1 | 312 |
| | SK 40 | 14 | 160 | 20 | 32 | 47 | 37 | M10x1 | 314 |
| | SK 40 | 16 | 160 | 22 | 34 | 50 | 40 | M12x1 | 316 |
| | SK 40 | 18 | 160 | 24 | 36 | 50 | 40 | M12x1 | 318 |
| SK 40 | 20 | 160 | 26 | 38 | 52 | 42 | M16x1 | 320 | |

→ Min. clamping depth, Page 233

Spare parts
DCONWS

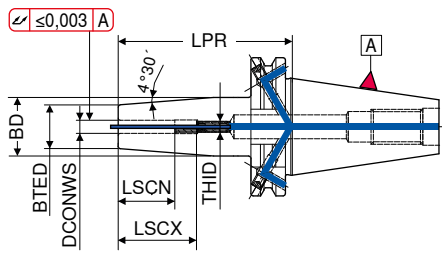
| DCONWS | Article no. | Article no. |
|---------|-------------|------------------|
| | 83 950 ... | 83 950 ... |
| 3 - 5 | M6x14 - SW2 | 417 |
| 6 | | M5x12,5 - SW2,5 |
| 8 | | M6x12,5 - SW3 |
| 10 | | M8x1x13,5 - SW3 |
| 12 - 14 | | M10x1x13,5 - SW5 |
| 16 - 18 | | M12x1x13,5 - SW5 |
| 20 | | M16x1x13,5 - SW8 |



Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

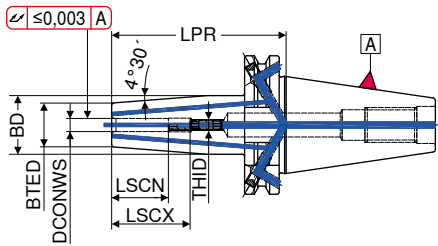
| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. 84 300 ... | Article no. 84 300 ... |
|-------|------------|--------|-----|------|----|------|-------|-------|---------------------------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | | | |
| short | SK 30 | 3 | 80 | 10 | 17 | 22 | 12 | M6 | | 003 |
| | SK 30 | 4 | 80 | 15 | 22 | 26 | 16 | M6 | | 004 |
| | SK 30 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | | 005 |
| | SK 30 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | | 006 |
| | SK 30 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | | 008 |
| | SK 30 | 10 | 80 | 24 | 32 | 41 | 31 | M8x1 | | 010 |
| | SK 30 | 12 | 80 | 24 | 32 | 47 | 37 | M10x1 | | 012 |
| | SK 30 | 14 | 80 | 27 | 34 | 47 | 37 | M10x1 | | 014 |
| | SK 30 | 16 | 80 | 27 | 34 | 50 | 40 | M12x1 | | 016 |
| | SK 30 | 18 | 80 | 33 | 42 | 50 | 40 | M12x1 | | 018 |
| | SK 30 | 20 | 80 | 33 | 42 | 52 | 42 | M16x1 | | 020 |
| | SK 40 | 3 | 80 | 10 | 17 | 22 | 12 | M6 | 103 | |
| | SK 40 | 4 | 80 | 15 | 22 | 26 | 16 | M6 | 104 | |
| | SK 40 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | 105 | |
| | SK 40 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | 106 | |
| | SK 40 | 8 | 80 | 21 | 27 | 26 | 26 | M6 | 108 | |
| | SK 40 | 10 | 80 | 24 | 32 | 41 | 31 | M8x1 | 110 | |
| | SK 40 | 12 | 80 | 24 | 32 | 47 | 37 | M10x1 | 112 | |
| | SK 40 | 14 | 80 | 27 | 34 | 47 | 37 | M10x1 | 114 | |
| | SK 40 | 16 | 80 | 27 | 34 | 50 | 40 | M12x1 | 116 | |
| SK 40 | 18 | 80 | 33 | 42 | 50 | 40 | M12x1 | 118 | | |
| SK 40 | 20 | 80 | 33 | 42 | 52 | 42 | M16x1 | 120 | | |
| SK 40 | 25 | 100 | 44 | 53 | 58 | 48 | M16x1 | 125 | | |
| long | SK 40 | 3 | 120 | 10 | 20 | 12 | 12 | | 203 | |
| | SK 40 | 4 | 120 | 15 | 22 | 16 | 16 | | 204 | |
| | SK 40 | 5 | 120 | 15 | 22 | 20 | 20 | | 205 | |
| | SK 40 | 6 | 120 | 21 | 27 | 36 | 26 | M5 | 206 | |
| | SK 40 | 8 | 120 | 21 | 27 | 36 | 26 | M6 | 208 | |
| | SK 40 | 10 | 120 | 24 | 32 | 41 | 31 | M8x1 | 210 | |
| | SK 40 | 12 | 120 | 24 | 32 | 47 | 37 | M10x1 | 212 | |
| | SK 40 | 14 | 120 | 27 | 34 | 47 | 37 | M10x1 | 214 | |
| | SK 40 | 16 | 120 | 27 | 34 | 50 | 40 | M12x1 | 216 | |
| | SK 40 | 18 | 120 | 33 | 42 | 50 | 40 | M12x1 | 218 | |
| | SK 40 | 20 | 120 | 33 | 42 | 52 | 42 | M16x1 | 220 | |
| | SK 40 | 25 | 120 | 44 | 53 | 58 | 48 | M16x1 | 225 | |
| | extra-long | SK 40 | 3 | 160 | 10 | 20 | 12 | 12 | | 303 |
| SK 40 | | 4 | 160 | 15 | 22 | 16 | 16 | | 304 | |
| SK 40 | | 5 | 160 | 15 | 22 | 20 | 20 | | 305 | |
| SK 40 | | 6 | 160 | 21 | 27 | 36 | 26 | M5 | 306 | |
| SK 40 | | 8 | 160 | 21 | 27 | 36 | 26 | M6 | 308 | |
| SK 40 | | 10 | 160 | 24 | 32 | 41 | 31 | M8x1 | 310 | |
| SK 40 | | 12 | 160 | 24 | 32 | 47 | 37 | M10x1 | 312 | |
| SK 40 | | 14 | 160 | 27 | 34 | 47 | 37 | M10x1 | 314 | |
| SK 40 | | 16 | 160 | 27 | 34 | 50 | 40 | M12x1 | 316 | |
| SK 40 | | 18 | 160 | 33 | 42 | 50 | 40 | M12x1 | 318 | |
| SK 40 | | 20 | 160 | 33 | 42 | 52 | 42 | M16x1 | 320 | |
| SK 40 | | 25 | 160 | 44 | 53 | 58 | 48 | M16x1 | 325 | |

→ Min. clamping depth, Page 233

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000

NEW
Article no.
84 317 ...

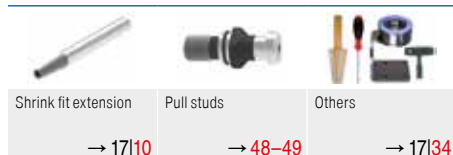
| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | |
|-------|---------|--------|-----|------|----|------|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | |
| short | SK 40 | 3 | 80 | 10 | 17 | 28 | 12 | M6 | 103 |
| | SK 40 | 4 | 80 | 15 | 22 | 28 | 16 | M6 | 104 |
| | SK 40 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | 105 |
| | SK 40 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | 106 |
| | SK 40 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | 108 |
| | SK 40 | 10 | 80 | 24 | 32 | 41 | 31 | M8x1 | 110 |
| | SK 40 | 12 | 80 | 24 | 32 | 47 | 37 | M10x1 | 112 |
| | SK 40 | 14 | 80 | 27 | 34 | 47 | 37 | M10x1 | 114 |
| | SK 40 | 16 | 80 | 27 | 34 | 50 | 40 | M12x1 | 116 |
| | SK 40 | 18 | 80 | 33 | 42 | 50 | 40 | M12x1 | 118 |
| | SK 40 | 20 | 80 | 33 | 42 | 52 | 42 | M16x1 | 120 |
| | SK 40 | 25 | 100 | 44 | 53 | 58 | 48 | M16x1 | 125 |
| SK 40 | 32 | 100 | 44 | 53 | 62 | 52 | M16x1 | 132 | |

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

| Spare parts DCONWS | Stop screw IK | | Sealing screw | |
|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 3 - 5 | M6x14 - SW2 | 417 | | |
| 6 | | | M5x12,5 - SW2,5 | 418 |
| 8 | | | M6x12,5 - SW3 | 419 |
| 10 | | | M8x1x13,5 - SW3 | 420 |
| 12 - 14 | | | M10x1x13,5 - SW5 | 421 |
| 16 - 18 | | | M12x1x13,5 - SW5 | 422 |
| 20 - 25 | | | M16x1x13,5 - SW8 | 424 |
| 32 | M16x1 - SW5 | 511 | | |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |
| | | | M2x6 | 512 |

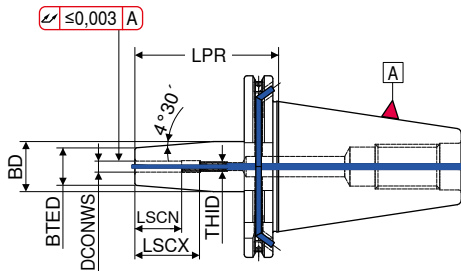
Accessories



Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. |
|------------|---------|--------|-----|------|----|------|------|-------|-------------|
| | | mm | mm | mm | mm | mm | mm | | 84 301 ... |
| short | SK 50 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | 106 |
| | SK 50 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | 108 |
| | SK 50 | 10 | 80 | 24 | 32 | 41 | 31 | M8x1 | 110 |
| | SK 50 | 12 | 80 | 24 | 32 | 47 | 37 | M10x1 | 112 |
| | SK 50 | 14 | 80 | 27 | 34 | 47 | 37 | M10x1 | 114 |
| | SK 50 | 16 | 80 | 27 | 34 | 50 | 40 | M12x1 | 116 |
| | SK 50 | 18 | 80 | 33 | 42 | 50 | 40 | M12x1 | 118 |
| | SK 50 | 20 | 80 | 33 | 42 | 52 | 42 | M16x1 | 120 |
| | SK 50 | 25 | 100 | 44 | 53 | 58 | 48 | M16x1 | 125 |
| | SK 50 | 32 | 100 | 44 | 53 | 62 | 52 | M16x1 | 132 |
| long | SK 50 | 6 | 120 | 21 | 27 | 36 | 26 | M5 | 206 |
| | SK 50 | 8 | 120 | 21 | 27 | 36 | 26 | M6 | 208 |
| | SK 50 | 10 | 120 | 24 | 32 | 41 | 31 | M8x1 | 210 |
| | SK 50 | 12 | 120 | 24 | 32 | 47 | 37 | M10x1 | 212 |
| | SK 50 | 14 | 120 | 27 | 34 | 47 | 37 | M10x1 | 214 |
| | SK 50 | 16 | 120 | 27 | 34 | 50 | 40 | M12x1 | 216 |
| | SK 50 | 18 | 120 | 33 | 42 | 50 | 40 | M12x1 | 218 |
| | SK 50 | 20 | 120 | 33 | 42 | 52 | 42 | M16x1 | 220 |
| | SK 50 | 25 | 120 | 44 | 53 | 58 | 48 | M16x1 | 225 |
| | SK 50 | 32 | 120 | 44 | 53 | 62 | 52 | M16x1 | 232 |
| extra-long | SK 50 | 6 | 160 | 21 | 27 | 36 | 26 | M5 | 306 |
| | SK 50 | 8 | 160 | 21 | 27 | 36 | 26 | M6 | 308 |
| | SK 50 | 10 | 160 | 24 | 32 | 41 | 31 | M8x1 | 310 |
| | SK 50 | 12 | 160 | 24 | 32 | 47 | 37 | M10x1 | 312 |
| | SK 50 | 14 | 160 | 27 | 34 | 47 | 37 | M10x1 | 314 |
| | SK 50 | 16 | 160 | 27 | 34 | 50 | 40 | M12x1 | 316 |
| | SK 50 | 18 | 160 | 33 | 42 | 50 | 40 | M12x1 | 318 |
| | SK 50 | 20 | 160 | 33 | 42 | 52 | 42 | M16x1 | 320 |
| | SK 50 | 25 | 160 | 44 | 53 | 58 | 48 | M16x1 | 325 |
| | SK 50 | 32 | 160 | 44 | 53 | 62 | 52 | M16x1 | 332 |

→ Min. clamping depth, Page 233



Spare parts

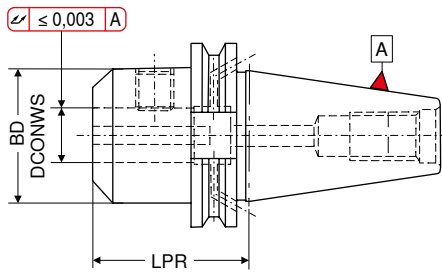
| DCONWS | Article no. | |
|---------|------------------|-----|
| | 83 950 ... | |
| 6 | M5x12,5 - SW2,5 | 418 |
| 8 | M6x12,5 - SW3 | 419 |
| 10 | M8x1x13,5 - SW3 | 420 |
| 12 - 14 | M10x1x13,5 - SW5 | 421 |
| 16 - 18 | M12x1x13,5 - SW5 | 422 |
| 20 - 32 | M16x1x13,5 - SW8 | 424 |


Accessories

| | | |
|----------------------|------------|---------|
| | | |
| Shrink fit extension | Pull studs | Others |
| → 17 10 | → 48-49 | → 17 34 |

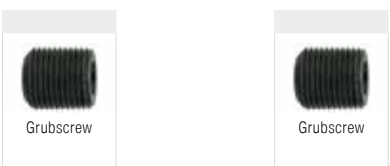
Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat





| | Adapter | DCONWS _{H4} | LPR | BD |  | | | |
|-------------|---------|----------------------|-----|----|--|-----------------------------|------------------------------|-----------------------------|
| | | | | | G 6,3 n _{max} 8000 | G 6,3 n _{max} 8000 | G 2,5 n _{max} 18000 | G 6,3 n _{max} 8000 |
| | | mm | mm | mm | Article no. 81 402 ... | Article no. 82 402 ... | Article no. 82 401 ... | Article no. 82 403 ... |
| short | SK 30 | 6 | 50 | 25 | 006 | | | |
| | SK 30 | 8 | 50 | 28 | 008 | | | |
| | SK 30 | 10 | 50 | 35 | 010 | | | |
| | SK 30 | 12 | 50 | 42 | 012 | | | |
| | SK 30 | 14 | 63 | 44 | 014 | | | |
| | SK 30 | 16 | 63 | 48 | 016 | | | |
| | SK 30 | 18 | 63 | 50 | 018 | | | |
| | SK 30 | 20 | 70 | 52 | 020 | | | |
| extra short | SK 40 | 16 | 35 | 48 | | 416 | 416 | 416 |
| | SK 40 | 20 | 35 | 50 | | 420 | 420 | 420 |
| | SK 40 | 25 | 40 | 50 | | 425 | 425 | 425 |
| | SK 40 | 32 | 75 | 72 | | 432 | | 432 |

i SK 50 adapters and other lengths can be found on the next 2 pages

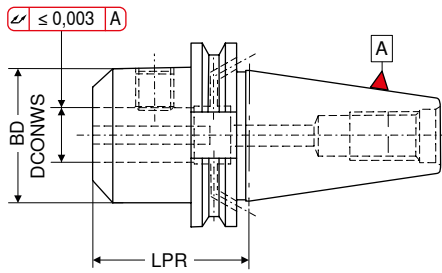
| Spare parts DCONWS _{H4} |  | |
|-------------------------------------|---|---------------------------|
| | Article no. 83 950 ... | Article no. 62 950 ... |
| 6 | | M6x10 006 |
| 8 | | M8x10 008 |
| 10 | | M10x12 010 |
| 12 | | M12x16 012 |
| 14 | | M12x16 012 |
| 16 | | M14x16 016 |
| 18 | | M14x16 016 |
| 20 | | M14x16 016 |
| 25 | M16x10 275 | |
| 32 | M14x10 259 | |

Accessories

| | |
|---|---|
|  |  |
| Pull studs | Others |
| → 48–49 | → 17 34 |

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000



AD/Be
G 6,3 n_{max} 8000



AD/Be
G 6,3 n_{max} 8000



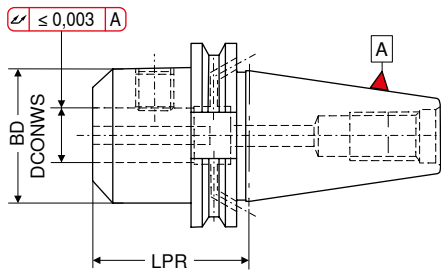
AD/Be
G 2,5 n_{max} 18000

| | Adapter | DCONWS _{H4} mm | LPR mm | BD mm | Article no. | Article no. | Article no. | Article no. | Article no. |
|-------|---------|----------------------------|-----------|----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | 82 402 ... | 82 401 ... | 81 403 ... | 82 403 ... | 82 404 ... |
| short | SK 40 | 6 | 50 | 25 | 106 | 106 | | | 106 |
| | SK 40 | 8 | 50 | 28 | 108 | 108 | | | 108 |
| | SK 40 | 10 | 50 | 35 | 110 | 110 | | | 110 |
| | SK 40 | 12 | 50 | 42 | 112 | 112 | | | 112 |
| | SK 40 | 14 | 50 | 44 | 114 | 114 | | | 114 |
| | SK 40 | 16 | 63 | 48 | 116 | 116 | | | 116 |
| | SK 40 | 18 | 63 | 50 | 118 | 118 | | | 118 |
| | SK 40 | 20 | 63 | 52 | 120 | 120 | | | 120 |
| | SK 40 | 25 | 100 | 65 | 125 | 125 | | | 125 |
| | SK 40 | 32 | 100 | 72 | 132 | 132 | | | 132 |
| | SK 40 | 40 | 120 | 90 | 140 | | | | |
| | SK 50 | 6 | 63 | 25 | 306 | 306 | | | 306 |
| | SK 50 | 8 | 63 | 28 | 308 | 308 | | | 308 |
| | SK 50 | 10 | 63 | 35 | 310 | 310 | | | 310 |
| | SK 50 | 12 | 63 | 42 | 312 | 312 | | | 312 |
| | SK 50 | 14 | 63 | 44 | 314 | 314 | | | 314 |
| | SK 50 | 16 | 63 | 48 | 316 | 316 | | | 316 |
| | SK 50 | 18 | 63 | 50 | 318 | 318 | | | 318 |
| | SK 50 | 20 | 63 | 52 | 320 | 320 | | | 320 |
| SK 50 | 25 | 80 | 65 | 325 | 325 | | | 325 | |
| SK 50 | 32 | 100 | 72 | 332 | 332 | | | 332 | |
| SK 50 | 40 | 120 | 90 | 340 | | | | | |
| long | SK 40 | 6 | 100 | 25 | 506 | 506 | 506 | | |
| | SK 40 | 8 | 100 | 28 | 508 | 508 | 508 | | |
| | SK 40 | 10 | 100 | 35 | 510 | 510 | 510 | | |
| | SK 40 | 12 | 100 | 42 | 512 | 512 | 512 | | |
| | SK 40 | 14 | 100 | 44 | 514 | 514 | 514 | | |
| | SK 40 | 16 | 100 | 48 | 516 | 516 | 516 | | |
| | SK 40 | 18 | 100 | 50 | 518 | 518 | 518 | | |
| | SK 40 | 20 | 100 | 52 | 520 | 520 | 520 | | |
| | SK 40 | 40 | 120 | 80 | | | 540 | | |
| | SK 50 | 6 | 100 | 25 | 706 | | | | |
| | SK 50 | 8 | 100 | 28 | 708 | | | | |
| | SK 50 | 10 | 100 | 35 | 710 | | | | |
| | SK 50 | 12 | 100 | 42 | 712 | | | | |
| | SK 50 | 14 | 100 | 44 | 714 | | | | |
| | SK 50 | 16 | 100 | 48 | 716 | | | | |
| | SK 50 | 18 | 100 | 50 | 718 | | | | |
| | SK 50 | 20 | 100 | 52 | 720 | | | | |
| | SK 50 | 25 | 100 | 65 | 725 | | | | |

i Spare parts and accessories on → page 23

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000



AD/Be
G 6,3 n_{max} 8000



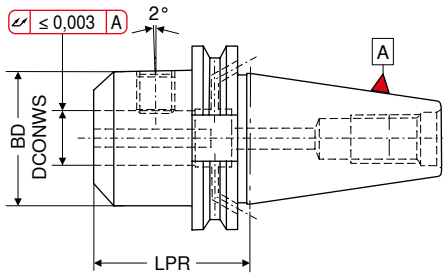
AD/Be
G 2,5 n_{max} 18000

| | Adapter | DCONWS _{H4} | LPR | BD | AD/B G 6,3 n _{max} 8000 | | AD/B G 2,5 n _{max} 18000 | | AD/Be G 6,3 n _{max} 8000 | | AD/Be G 2,5 n _{max} 18000 | | |
|---------------|---------|----------------------|-----|-----|-------------------------------------|---------------------------|--------------------------------------|---------------------------|--------------------------------------|-----|---------------------------------------|-----|--|
| | | | | | Article no. 82 402 ... | Article no. 82 401 ... | Article no. 82 403 ... | Article no. 82 404 ... | | | | | |
| | | mm | mm | mm | | | | | | | | | |
| medium length | SK 40 | 6 | 130 | 25 | 206 | | | | | | | 206 | |
| | SK 40 | 8 | 130 | 28 | 208 | | | | | | | 208 | |
| | SK 40 | 10 | 130 | 35 | 210 | | | | | | | 210 | |
| | SK 40 | 12 | 130 | 42 | 212 | | | | | | | 212 | |
| | SK 40 | 14 | 130 | 44 | 214 | | | | | | | 214 | |
| | SK 40 | 16 | 130 | 48 | 216 | | | | | | | 216 | |
| | SK 40 | 18 | 130 | 50 | 218 | | | | | | | 218 | |
| | SK 40 | 20 | 130 | 52 | 220 | | | | | | | 220 | |
| | SK 50 | 6 | 130 | 25 | 906 | | | | | 906 | | | |
| | SK 50 | 8 | 130 | 28 | 908 | | | | | 908 | | | |
| | SK 50 | 10 | 130 | 35 | 910 | | | | | 910 | | | |
| | SK 50 | 12 | 130 | 42 | 912 | | | | | 912 | | | |
| | SK 50 | 14 | 130 | 44 | 914 | | | | | 914 | | | |
| | SK 50 | 16 | 130 | 48 | 916 | | | | | 916 | | | |
| | SK 50 | 18 | 130 | 50 | 918 | | | | | 918 | | | |
| | SK 50 | 20 | 130 | 52 | 920 | | | | | 920 | | | |
| SK 50 | 25 | 130 | 65 | 925 | | | | | 925 | | | | |
| extra-long | SK 40 | 6 | 160 | 25 | 606 | | 606 | | | | | | |
| | SK 40 | 8 | 160 | 28 | 608 | | 608 | | | | | | |
| | SK 40 | 10 | 160 | 35 | 610 | | 610 | | | | | | |
| | SK 40 | 12 | 160 | 42 | 612 | | 612 | | | | | | |
| | SK 40 | 14 | 160 | 44 | 614 | | 614 | | | | | | |
| | SK 40 | 16 | 160 | 48 | 616 | | 616 | | | | | | |
| | SK 40 | 18 | 160 | 50 | 618 | | 618 | | | | | | |
| | SK 40 | 20 | 160 | 52 | 620 | | 620 | | | | | | |
| | SK 40 | 25 | 160 | 65 | 625 | | 625 | | | | | | |
| | SK 50 | 6 | 160 | 25 | 806 | | | | | | | | |
| | SK 50 | 8 | 160 | 28 | 808 | | | | | | | | |
| | SK 50 | 10 | 160 | 35 | 810 | | | | | | | | |
| | SK 50 | 12 | 160 | 42 | 812 | | | | | | | | |
| | SK 50 | 14 | 160 | 44 | 814 | | | | | | | | |
| | SK 50 | 16 | 160 | 48 | 816 | | | | | | | | |
| | SK 50 | 18 | 160 | 50 | 818 | | | | | | | | |
| | SK 50 | 20 | 160 | 52 | 820 | | | | | | | | |
| | SK 50 | 25 | 160 | 65 | 825 | | | | | | | | |
| | SK 50 | 32 | 160 | 72 | 832 | | | | | | | | |

i Spare parts and accessories on → page 23

Cylindrical Shank Adapter (Whistle Notch)

- ▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat
- ▲ The groove in the flat face is a characteristic feature of the Whistle Notch version




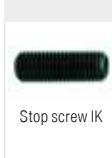
AD/B
G 6,3 n_{max} 8000





AD/B
G 2,5 n_{max} 18000

| | Adapter | Dimensions | | | Article no. | |
|---------------|---------|----------------------------|-----------|----------|-------------|------------|
| | | DCONWS _{H4} mm | LPR mm | BD mm | 82 406 ... | 82 407 ... |
| short | SK 40 | 6 | 50 | 25 | 106 | 106 |
| | SK 40 | 8 | 50 | 28 | 108 | 108 |
| | SK 40 | 10 | 50 | 35 | 110 | 110 |
| | SK 40 | 12 | 50 | 42 | 112 | 112 |
| | SK 40 | 14 | 50 | 44 | 114 | 114 |
| | SK 40 | 16 | 63 | 48 | 116 | 116 |
| | SK 40 | 18 | 63 | 50 | 118 | 118 |
| | SK 40 | 20 | 63 | 52 | 120 | 120 |
| | SK 40 | 25 | 100 | 65 | 125 | |
| | SK 40 | 32 | 100 | 72 | 132 | |
| medium length | SK 50 | 6 | 63 | 25 | 306 | |
| | SK 50 | 8 | 63 | 28 | 308 | |
| | SK 50 | 10 | 63 | 35 | 310 | |
| | SK 50 | 12 | 63 | 42 | 312 | |
| | SK 50 | 14 | 63 | 44 | 314 | |
| | SK 50 | 16 | 63 | 48 | 316 | |
| | SK 50 | 18 | 63 | 50 | 318 | |
| | SK 50 | 20 | 63 | 52 | 320 | |
| | SK 50 | 25 | 80 | 65 | 325 | |
| | SK 50 | 32 | 100 | 72 | 332 | |
| | SK 40 | 6 | 130 | 25 | 206 | 206 |
| | SK 40 | 8 | 130 | 28 | 208 | 208 |
| | SK 40 | 10 | 130 | 35 | 210 | 210 |
| | SK 40 | 12 | 130 | 42 | 212 | 212 |
| | SK 40 | 16 | 130 | 48 | 216 | 216 |
| | SK 40 | 20 | 130 | 52 | 220 | 220 |
| | SK 40 | 25 | 130 | 65 | 225 | 225 |
| | SK 50 | 6 | 130 | 25 | 406 | |
| SK 50 | 8 | 130 | 28 | 408 | | |
| SK 50 | 10 | 130 | 35 | 410 | | |
| SK 50 | 12 | 130 | 42 | 412 | | |
| SK 50 | 16 | 130 | 48 | 416 | | |
| SK 50 | 20 | 130 | 52 | 420 | | |
| SK 50 | 25 | 130 | 65 | 425 | | |
| SK 50 | 32 | 130 | 72 | 432 | | |

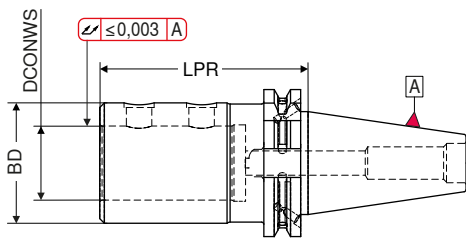
Spare parts cylindrical shank adapters (Whistle Notch)

| Spare parts DCONWS _{H4} | |  Grubscrew | |  Stop screw IK | |
|-------------------------------------|----------|--|---------------------------|--|---------------------------|
| | | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 950 ... |
| 6 | M6x10 | 006 | M5x35 | 033 | |
| 8 | M8x10 | 008 | M6x35 | 034 | |
| 10 | M10x12 | 010 | M8x35 | 035 | |
| 12 - 14 | M12x16 | 012 | M10x35 | 036 | |
| 16 - 18 | M14x16 | 016 | M12x40 | 037 | |
| 20 | M16x16 | 020 | M16x45 | 272 | |
| 25 | M18x2x20 | 025 | M20x35 | 290 | |
| 32 | M20x2x20 | 032 | M20x35 | 290 | |

Accessories

| | |
|--|--|
|  Pull studs → 48-49 |  Others → 17 34 |
|--|--|

Indexable insert drill adapter DIN 69871 SK



AD/B
G 6,3 n_{max} 15000

Article no.
10 840 ...

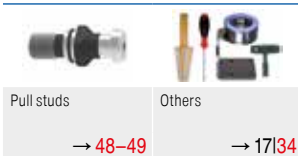
| Adapter | DCONWS | LPR | BD | |
|---------|--------|-----|----|-----|
| | mm | mm | mm | |
| SK 40 | 20 | 80 | 40 | 120 |
| SK 40 | 25 | 85 | 45 | 125 |
| SK 40 | 32 | 90 | 52 | 132 |
| SK 50 | 20 | 80 | 40 | 220 |
| SK 50 | 25 | 85 | 45 | 225 |
| SK 50 | 32 | 90 | 52 | 232 |
| SK 50 | 40 | 90 | 65 | 240 |
| SK 50 | 50 | 100 | 75 | 250 |

i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**



| Spare parts | | Article no. |
|-------------|----------|-------------|
| DCONWS | | 10 950 ... |
| 20 | M10x1x10 | 001 |
| 25 - 32 | M12x1x10 | 002 |
| 40 - 50 | M16x1x12 | 003 |

Accessories



Pull studs

Others

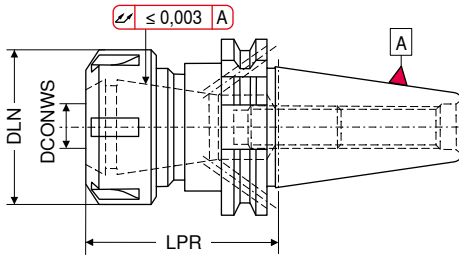
→ 48-49

→ 17|34

ER Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



AD
G 6,3 n_{max} 12000



AD/B
G 6,3 n_{max} 12000



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

| | Adapter | DCONWS | LPR | DLN | TQX | for collet | Article no. | Article no. | Article no. | Article no. |
|------------|---------|--------|--------|-----|----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | 81 414 ... | 81 414 ... | 82 414 ... | 82 415 ... |
| short | SK 30 | 1 - 10 | 70 | 28 | 8 - 56 | 426E (ER16) | 010 | | | |
| | SK 30 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | 016 | | | |
| | SK 30 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | 020 | | | |
| | SK 40 | 1 - 10 | 60 | 32 | 8 - 56 | 426E (ER16) | | | 110 | 110 |
| | SK 40 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | | | 116 | 116 |
| | SK 40 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | | | 120 | 120 |
| | SK 40 | 3 - 26 | 70 | 63 | 176 | 472E (ER40) | | | 126 | 126 |
| | SK 50 | 1 - 10 | 60 | 32 | 8 - 56 | 426E (ER16) | | | 310 | |
| | SK 50 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | | | 316 | |
| | SK 50 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | | | 320 | |
| | SK 50 | 3 - 26 | 70 | 63 | 176 | 472E (ER40) | | | 326 | |
| | long | SK 30 | 1 - 10 | 100 | 28 | 8 - 56 | 426E (ER16) | 210 | | |
| SK 30 | | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | 216 | | | |
| SK 30 | | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | 220 | | | |
| SK 40 | | 1 - 10 | 120 | 32 | 8 - 56 | 426E (ER16) | | | 410 | 410 |
| SK 40 | | 1 - 16 | 120 | 42 | 24 - 104 | 430E (ER25) | | | 416 | 416 |
| SK 40 | | 2 - 20 | 120 | 50 | 24 - 136 | 470E (ER32) | | | 420 | 420 |
| SK 40 | | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | | 426 | | |
| SK 50 | | 1 - 10 | 100 | 32 | 8 - 56 | 426E (ER16) | | | 510 | |
| SK 50 | | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | | | 516 | |
| SK 50 | | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | | | 520 | |
| SK 50 | | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | | | 526 | |
| extra-long | | SK 40 | 1 - 10 | 160 | 28 | 8 - 56 | 426E (ER16) | | 610 | |
| | SK 40 | 2 - 16 | 160 | 42 | 24 - 104 | 430E (ER25) | | 616 | | |
| | SK 40 | 2 - 20 | 160 | 50 | 24 - 136 | 470E (ER32) | | 620 | | |
| | SK 40 | 3 - 26 | 160 | 63 | 176 | 472E (ER40) | | 626 | | |
| | SK 50 | 1 - 16 | 160 | 42 | 24 - 104 | 430E (ER25) | | | 616 | |
| | SK 50 | 2 - 20 | 160 | 50 | 24 - 136 | 470E (ER32) | | | 620 | |

| Image | Lock nut | Lock nut IK | Lock nut | Y clamping key | Stop screw IK | Stop screw IK |
|--------------------------|------------|-------------|------------|----------------|---------------|---------------|
| Article no. | 62 950 ... | 83 950 ... | 62 950 ... | 83 357 ... | 81 950 ... | 83 950 ... |
| for collet | 044 | 055 | 054 | 116 | 053 | |
| 426E (ER16) / SK30-SK50 | | | | 125 | 054 | |
| 430E (ER25) / SK30 | | 055 | 055 | 125 | 055 | 010 |
| 430E (ER25) / SK40, SK50 | | 056 | 056 | 132 | 053 | |
| 470E (ER32) / SK30 | | 056 | 056 | 132 | 057 | 010 |
| 470E (ER32) / SK40, SK50 | | 057 | 057 | 140 | 054 | 011 |
| 472E (ER40) / SK40, SK50 | | | | | | |

Spare parts

for collet

426E (ER16) / SK30-SK50
430E (ER25) / SK30
430E (ER25) / SK40, SK50
470E (ER32) / SK30
470E (ER32) / SK40, SK50
472E (ER40) / SK40, SK50

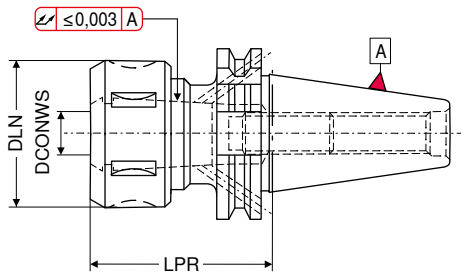
i Backstop screws 81 950 ... and nut 62 950 044 only for use with article 81 414 ...!

OZ Collet Chuck

▲ Clamping nut with ball bearings

Scope of supply:

Holder with lock nut and adjustable back stop



AD
G 6,3 n_{max} 12000



AD/B
G 6,3 n_{max} 12000



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

| | Adapter | DCONWS mm | LPR mm | DLN mm | TQX Nm | for collet | Article no. | Article no. | Article no. | Article no. |
|-------|---------|--------------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | 81 410 ... | 81 410 ... | 82 410 ... | 82 411 ... |
| short | SK 30 | 2-16 | 60 | 43 | 24-104 | 415E / 421E | 016 025 | | | |
| | SK 30 | 2-25 | 80 | 60 | 24-176 | 459E / 462E | | | | |
| | SK 40 | 2-16 | 70 | 43 | 80-90 | 415E / 421E | | | 116 | 116 |
| | SK 40 | 2-25 | 70 | 60 | 90-100 | 459E / 462E | | | 125 | 125 |
| | SK 50 | 2-16 | 70 | 43 | 80-90 | 415E / 421E | | | 225 | |
| | SK 50 | 2-25 | 70 | 60 | 90-100 | 459E / 462E | | | 232 | |
| long | SK 40 | 2-16 | 120 | 43 | 80-90 | 415E / 421E | | | 416 | 416 |
| | SK 40 | 2-25 | 120 | 60 | 90-100 | 459E / 462E | | | 425 | 425 |
| | SK 40 | 4-32 | 100 | 72 | 227 | 460E / 467E | | 432 | | |
| | SK 50 | 2-16 | 100 | 43 | 80-90 | 415E / 421E | | | 525 | |
| | SK 50 | 2-25 | 100 | 60 | 90-100 | 459E / 462E | | | 532 | |
| | SK 50 | 4-32 | 100 | 72 | 227 | 460E / 467E | | | | |

| Spare parts | for collet | | Article no. | Article no. | Article no. | Article no. | | |
|-------------|-------------|---------|-------------|-------------|-------------|-------------|------------|------------|
| | | | | | | | 62 950 ... | 83 354 ... |
| | 415E / 421E | M33x1,5 | 050 | 116 | M16x15 | 055 | M10x50 | 010 |
| | 459E / 462E | M48x2 | 051 | 125 | M16x15 | 055 | M10x50 | 010 |
| | 460E / 467E | M60x2,5 | 052 | 132 | M16x15 | 055 | M12x50 | 011 |

i Spare part 81 950 ... only use for article 81 410 ...!

Accessories

| | | |
|-----------|------------|---------|
| | | |
| OZ Collet | Pull studs | Others |
| → 218 | → 48-49 | → 17 34 |

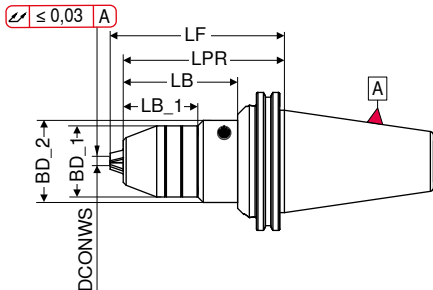
Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:

Toolholder including clamping key SW4

**NC
2010**



A
G 6,3 n_{max} 10000



AD
G 6,3 n_{max} 10000



AD/B
G 6,3 n_{max} 10000

| Adapter | DCONWS | LPR | BD_1 | BD_2 | LB_1 | LB | LF | Article no. | | |
|---------|----------|-----|------|------|------|------|-------|-------------|------------|------------|
| | | | | | | | | 84 418 ... | 84 419 ... | 84 420 ... |
| SK 30 | 0,5 - 10 | 80 | 43,0 | | | 59,9 | 89,0 | 313 | | |
| SK 40 | 0,5 - 13 | 80 | 48,5 | | | 60,8 | 89,0 | 413 | 413 | |
| SK 40 | 0,5 - 13 | 80 | 48,5 | | 50,9 | 60,0 | 90,5 | | 416 | 413 |
| SK 40 | 2,5 - 16 | 80 | 51,0 | | | 60,8 | 90,5 | 416 | | |
| SK 40 | 2,5 - 16 | 80 | 51,0 | | 50,9 | | 90,5 | | | 416 |
| SK 50 | 0,5 - 13 | 110 | 48,5 | 56 | 50,9 | 78,0 | 119,0 | | 513 | |
| SK 50 | 0,5 - 13 | 110 | 48,5 | 56 | 50,9 | 78,1 | 119,0 | 513 | | |
| SK 50 | 2,5 - 16 | 110 | 51,0 | 56 | 50,9 | 78,0 | 120,5 | | 516 | |
| SK 50 | 2,5 - 16 | 110 | 56,0 | | 50,9 | 78,0 | 120,5 | 516 | | |

i Can be used at G 2.5 to 30,000 1/min after additional balancing !

Accessories

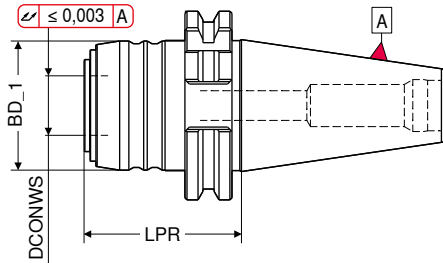
| | |
|------------|---------|
| | |
| Pull studs | Others |
| → 48-49 | → 17 34 |

Synchro tapping chuck with minimum length compensation

- ▲ For collet
- ▲ With length compensation under tension and compression (LZD)
- ▲ For synchro use
- ▲ $p_{max.} = 50 \text{ bar}$

Scope of supply:

Without insert



AD

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LZD± mm | Article no. |
|---------|---------------|------|-----|------|--------|------------|-------------|
| | | | | | | | 83 416 ... |
| SK 40 | M3 - M12 | 1 | 53 | 43 | 20 | 1,0 / 0,2 | 012 |
| SK 40 | M6 - M20 | 2 | 90 | 60 | 32 | 1,0 / 0,2 | 020 |
| SK 50 | M3 - M12 | 1 | 53 | 43 | 20 | 1,0 / 0,2 | 112 |
| SK 50 | M6 - M20 | 2 | 74 | 60 | 32 | 1,0 / 0,2 | 120 |

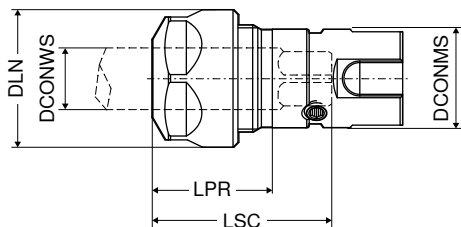
Accessories

| | |
|------------|---------|
| | |
| Pull studs | Others |
| → 48-49 | → 17 34 |

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:





Includes lock nut



AD

| SZID | DCONWS | cutting range | LPR | DLN | LSC | for collet | DCONMS | Article no. |
|------|--------|---------------|-----|-----|-----|-------------|--------|-------------|
| | | | | | | | | 83 608 ... |
| | mm | | mm | mm | mm | | mm | |
| 1 | 2 - 10 | M3 - M12 | 24 | 28 | 42 | 426E (ER16) | 20 | 012 |
| 2 | 2 - 16 | M6 - M20 | 28 | 42 | 59 | 430E (ER25) | 32 | 020 |

Spare parts for synchronous tapping chucks

| |  |  |  |  |
|------------------------|---|--|---|---|
| | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 357 ... |
| Spare parts | | | | |
| for Article no. | | | | |
| 83 608 012 | M22x1,5 - SW25 | M22x1,5 | M32x1,5 | |
| 83 608 020 | 044 | 054 M32x1,5 | 055 | 116 125 |

Accessories

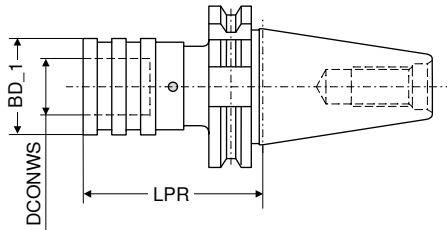


ER collet

→ [212](#), [214-215](#)

Quick change tap chuck with length compensation

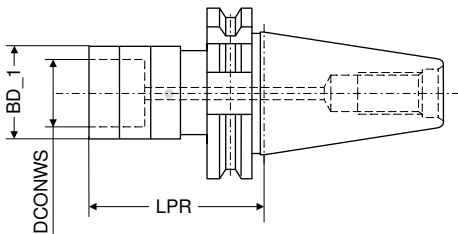
▲ With length compensation under tension and compression (LZD)



A

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LZD± | Article no. 83 428 ... |
|---------|---------------|------|-----|------|--------|------|---------------------------|
| | | | mm | mm | mm | mm | |
| SK 30 | M3 - M12 | 01 | 60 | 38 | 19 | 9 | 312 |
| SK 30 | M6 - M20 | 02 | 101 | 55 | 31 | 15 | 320 |
| SK 40 | M3 - M12 | 01 | 60 | 38 | 19 | 9 | 412 |
| SK 40 | M6 - M20 | 02 | 100 | 55 | 31 | 15 | 420 |
| SK 50 | M3 - M12 | 01 | 62 | 38 | 19 | 9 | 512 |
| SK 50 | M6 - M20 | 02 | 83 | 55 | 31 | 15 | 520 |

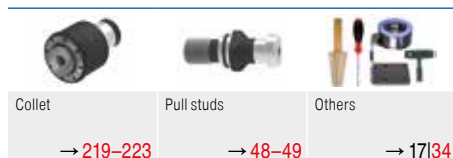
Quick change tap chuck without length compensation



AD

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | Article no. 83 423 ... |
|---------|---------------|------|-----|------|--------|---------------------------|
| | | | mm | mm | mm | |
| SK 30 | M3 - M12 | 01 | 59 | 33 | 19 | 312 |
| SK 30 | M6 - M20 | 02 | 80 | 50 | 31 | 320 |
| SK 40 | M3 - M12 | 01 | 59 | 33 | 19 | 412 |
| SK 40 | M6 - M20 | 02 | 86 | 50 | 31 | 420 |
| SK 50 | M3 - M12 | 01 | 75 | 33 | 19 | 512 |
| SK 50 | M6 - M20 | 02 | 98 | 50 | 31 | 520 |

Accessories



Collet

Pull studs

Others

→ 219-223

→ 48-49

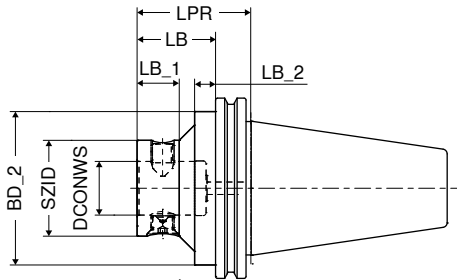
→ 17|34

Adapter with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B
G 6,3 n_{max} 8000

NEW

Article no.
84 201 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | LB_1 | LB_2 | BD_2 | |
|---------|-----------|--------|--------|-----|------|------|------|------|-------|
| | | | mm | mm | mm | mm | mm | mm | |
| SK 40 | A5055150 | ABS 50 | 28 | 50 | 30,0 | | | | 04097 |
| SK 50 | A5055350 | ABS 50 | 28 | 60 | 40,9 | 22 | 10,9 | 80 | 05097 |

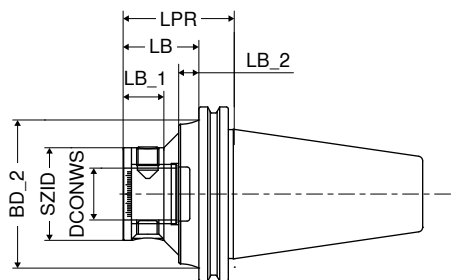
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 204 ...

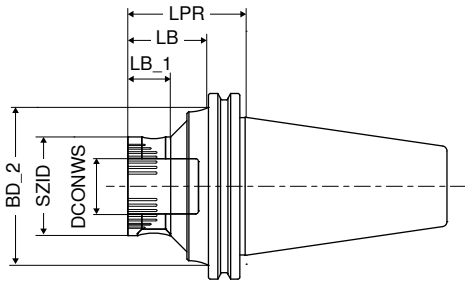
| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | LB_1 | LB_2 | BD_2 | |
|---------|-----------|--------|--------|-----|------|------|------|------|-------|
| | | | mm | mm | mm | mm | mm | mm | |
| SK 40 | A5056150 | ABS 50 | 28 | 50 | 30,0 | | | | 04097 |
| SK 50 | A5056350 | ABS 50 | 28 | 60 | 40,9 | 22 | 10,9 | 80 | 05097 |

Torsional vibration dampers with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 207 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | BD_2 | LB_1 | |
|---------|-----------|--------|--------|-----|------|------|------|-------|
| | | | mm | mm | mm | mm | mm | |
| SK 40 | A5001351 | ABS 50 | 28 | 50 | 30,0 | | | 04097 |
| SK 50 | A5001451 | ABS 50 | 28 | 60 | 40,9 | 80 | 22 | 05097 |

**Spare parts
SZID**

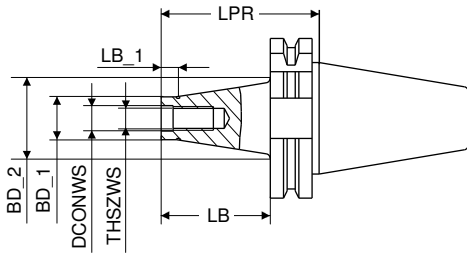
ABS 50

| | | |
|---------------------------|---------------------------|---------------------------|
| | | |
| Clamping screw | Taper screw | Set |
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
| 20300 | 20400 | 99800 |

Accessories

| | | |
|------------|-----------|---------|
| | | |
| Pull studs | Extension | Others |
| → 48-49 | → 17 27 | → 17 34 |

Adapter for milling cutters with threaded end



AD
G 16 n_{max} 8000



AD
G 6,3 n_{max} 18000



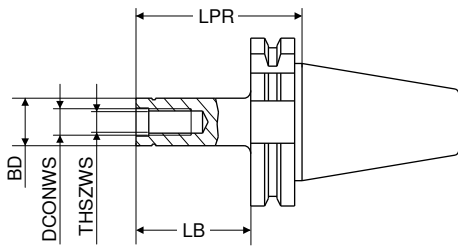
AD
G 2,5 n_{max} 30000

| Adapter | THSZWS | DCONWS | LB | BD_1 | BD_2 | LB_1 | LPR | Article no. | | |
|---------|--------|--------|-----|------|------|------|-----|-------------|------------|------------|
| | | | | | | | | 56 707 ... | 56 705 ... | 56 703 ... |
| | | mm | mm | mm | mm | mm | mm | | | |
| SK 30 | M8 | 8,5 | 25 | 13,8 | 18,0 | 12 | 44 | | | 081 |
| SK 30 | M8 | 8,5 | 50 | 13,8 | 23,0 | 12 | 69 | | | 082 |
| SK 30 | M10 | 10,5 | 25 | 18,0 | 23,0 | 12 | 44 | | | 101 |
| SK 30 | M10 | 10,5 | 50 | 18,0 | 25,0 | 12 | 69 | | | 102 |
| SK 30 | M12 | 12,5 | 25 | 21,0 | 24,0 | 12 | 44 | | | 121 |
| SK 30 | M12 | 12,5 | 50 | 21,0 | 30,0 | 12 | 69 | | | 122 |
| SK 30 | M16 | 17,0 | 25 | 29,0 | 30,5 | 12 | 44 | | | 161 |
| SK 30 | M16 | 17,0 | 50 | 29,0 | 34,0 | 12 | 69 | | | 162 |
| SK 40 | M8 | 8,5 | 25 | 13,8 | 15,0 | 12 | 44 | | 081 | |
| SK 40 | M8 | 8,5 | 50 | 13,8 | 23,0 | 12 | 69 | | 082 | |
| SK 40 | M8 | 8,5 | 75 | 13,8 | 25,0 | 12 | 94 | | 083 | |
| SK 40 | M10 | 10,5 | 25 | 18,0 | 23,0 | 12 | 44 | | 101 | |
| SK 40 | M10 | 10,5 | 50 | 18,0 | 25,0 | 12 | 69 | | 102 | |
| SK 40 | M10 | 10,5 | 75 | 18,0 | 30,0 | 12 | 94 | | 103 | |
| SK 40 | M10 | 10,5 | 100 | 18,0 | 35,0 | 12 | 119 | | 104 | |
| SK 40 | M12 | 12,5 | 25 | 21,0 | 24,0 | 12 | 44 | | 121 | |
| SK 40 | M12 | 12,5 | 50 | 21,0 | 30,0 | 12 | 69 | | 122 | |
| SK 40 | M12 | 12,5 | 75 | 21,0 | 35,0 | 12 | 94 | | 123 | |
| SK 40 | M12 | 12,5 | 100 | 21,0 | 38,0 | 12 | 119 | | 124 | |
| SK 40 | M16 | 17,0 | 25 | 29,0 | 29,0 | 12 | 44 | | 161 | |
| SK 40 | M16 | 17,0 | 50 | 29,0 | 34,0 | 12 | 69 | | 162 | |
| SK 40 | M16 | 17,0 | 75 | 29,0 | 35,0 | 12 | 94 | | 163 | |
| SK 40 | M16 | 17,0 | 100 | 29,0 | 40,0 | 12 | 119 | | 164 | |
| SK 40 | M16 | 17,0 | 125 | 29,0 | 44,0 | 12 | 144 | | 165 | |
| SK 40 | M16 | 17,0 | 150 | 29,0 | 48,0 | 12 | 169 | | 166 | |
| SK 40 | M16 | 17,0 | 200 | 29,0 | 50,0 | 12 | 219 | | 167 | |
| SK 50 | M12 | 12,5 | 50 | 21,0 | 30,0 | 12 | 69 | 122 | | |
| SK 50 | M12 | 12,5 | 100 | 21,0 | 38,0 | 12 | 119 | 124 | | |
| SK 50 | M12 | 12,5 | 150 | 21,0 | 52,0 | 12 | 169 | 126 | | |
| SK 50 | M16 | 17,0 | 50 | 29,0 | 34,0 | 12 | 69 | 162 | | |
| SK 50 | M16 | 17,0 | 100 | 29,0 | 40,0 | 12 | 119 | 164 | | |
| SK 50 | M16 | 17,0 | 150 | 29,0 | 48,0 | 12 | 169 | 166 | | |
| SK 50 | M16 | 17,0 | 200 | 29,0 | 58,0 | 12 | 219 | 167 | | |
| SK 50 | M16 | 17,0 | 250 | 29,0 | 62,0 | 12 | 269 | 168 | | |

Accessories

| | | |
|------------------------------------|-----------------------|-------------------|
| | | |
| Extension-Reduction set → 17 19 | Pull studs → 48-49 | Others → 17 34 |

Adapter for milling cutters with threaded end



AD
G 6,3 n_{max} 18000

Article no.
56 709 ...

| Adapter | THSZWS | DCONWS | LB | BD | LPR | Article no. |
|---------|--------|--------|-----|------|-----|-------------|
| | | mm | mm | mm | mm | 56 709 ... |
| SK 40 | M8 | 8,5 | 50 | 13,8 | 69 | 082 |
| SK 40 | M10 | 10,5 | 50 | 18,0 | 69 | 102 |
| SK 40 | M10 | 10,5 | 75 | 18,0 | 94 | 103 |
| SK 40 | M10 | 10,5 | 100 | 18,0 | 119 | 104 |
| SK 40 | M12 | 12,5 | 50 | 21,0 | 69 | 122 |
| SK 40 | M12 | 12,5 | 75 | 21,0 | 94 | 123 |
| SK 40 | M12 | 12,5 | 100 | 21,0 | 119 | 124 |
| SK 40 | M16 | 17,0 | 50 | 29,0 | 69 | 162 |
| SK 40 | M16 | 17,0 | 75 | 29,0 | 94 | 163 |
| SK 40 | M16 | 17,0 | 100 | 29,0 | 119 | 164 |

Accessories

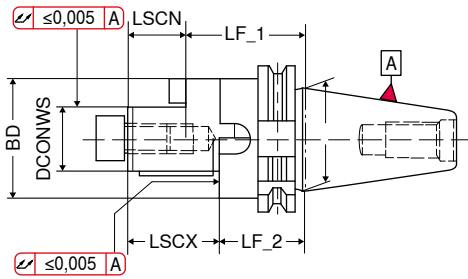
| | | |
|------------------------------------|-----------------------|-------------------|
| | | |
| Extension-Reduction set → 17 19 | Pull studs → 48-49 | Others → 17 34 |

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

Toolholder with retaining screw, driving ring and dowel spring



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

| | Adapter | DCONWS | LF_1 | BD | LSCX | LSCN | LF_2 | Article no. | |
|-------|---------|--------|------|----|------|------|------|-------------------|-------------------|
| | | | | | | | | 81 429 ... | 82 429 ... |
| short | SK 30 | 16 | 50 | 32 | 27 | 17 | 40 | 016 ¹⁾ | |
| | SK 30 | 22 | 50 | 40 | 31 | 19 | 38 | 022 ¹⁾ | |
| | SK 30 | 27 | 55 | 48 | 33 | 21 | 43 | 027 ¹⁾ | |
| | SK 30 | 32 | 60 | 58 | 38 | 24 | 46 | 032 ¹⁾ | |
| | SK 40 | 16 | 55 | 32 | 27 | 17 | 45 | | 116 |
| | SK 40 | 22 | 55 | 40 | 31 | 19 | 43 | | 122 |
| | SK 40 | 27 | 55 | 48 | 33 | 21 | 43 | | 127 |
| | SK 40 | 32 | 60 | 58 | 38 | 24 | 46 | | 132 |
| | SK 40 | 40 | 60 | 70 | 41 | 27 | 46 | | 140 ¹⁾ |
| | SK 50 | 16 | 55 | 32 | 27 | 17 | 45 | | 316 |
| | SK 50 | 22 | 55 | 40 | 31 | 19 | 43 | | 322 |
| | SK 50 | 27 | 55 | 48 | 33 | 21 | 43 | | 327 |
| | SK 50 | 32 | 55 | 58 | 38 | 24 | 41 | | 332 |
| | SK 50 | 40 | 55 | 70 | 41 | 27 | 41 | | 340 ¹⁾ |
| | SK 50 | 50 | 70 | 90 | 46 | 30 | 54 | | 350 ¹⁾ |
| long | SK 40 | 16 | 100 | 32 | 27 | 17 | 90 | 216 | |
| | SK 40 | 22 | 100 | 40 | 31 | 19 | 88 | 222 | |
| | SK 40 | 27 | 100 | 48 | 33 | 21 | 88 | 227 | |
| | SK 40 | 32 | 100 | 58 | 38 | 24 | 86 | 232 | |
| | SK 40 | 40 | 100 | 70 | 41 | 27 | 86 | 240 | |

1) With cross screw

| | Parallel key | Drive ring | Cross nut key | Retaining screw | Retaining screw | Clamping screw |
|-------------|--------------|-------------|---------------|-----------------|-----------------|----------------|
| Spare parts | Article no. | Article no. | Article no. | Article no. | Article no. | Article no. |
| DCONWS | 83 950 ... | 83 370 ... | 83 368 ... | 83 367 ... | 81 950 ... | 83 950 ... |
| 16 | 284 | 116 | 116 | 016 | 020 | 113 |
| 22 | 285 | 122 | 122 | 022 | 021 | 124 |
| 27 | 286 | 127 | 127 | 027 | 022 | 125 |
| 32 | 287 | 132 | 132 | 032 | 023 | 126 |
| 40 | 288 | 140 | 140 | 040 | | 112 |
| 50 | 289 | 150 | 150 | 050 | | |

i Spare part 81 950 ... only use for article 81 429 ...!

Accessories

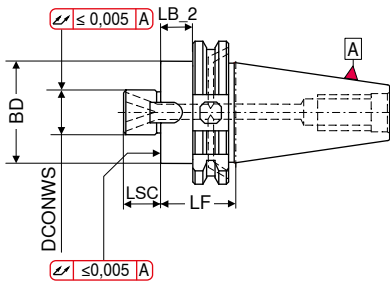
| | | |
|------------|-----------------------|---------|
| | | |
| Pull studs | Milling Adapter Rings | Others |
| → 48-49 | → 17 28 | → 17 34 |

Shell mill adapter

▲ Screwed drive dogs

Scope of supply:

Toolholder with retaining screw



A
G 6,3 n_{max} 8000



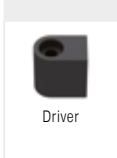


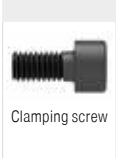
AD/B
G 6,3 n_{max} 8000


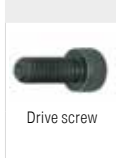

| | Adapter | DCONWS | LB_2 | LF | BD | LSC | Article no. | |
|---------------|---------|--------|------|-----|-----|-----|--|-------------------|
| | | mm | mm | mm | mm | mm | 81 428 ... | 82 428 ... |
| short | SK 30 | 16 | 21 | 40 | 38 | 17 | 016 ²⁾ 022 ²⁾ 027 ²⁾ 032 ²⁾ | |
| | SK 30 | 22 | 21 | 40 | 43 | 19 | | |
| | SK 30 | 27 | 21 | 40 | 43 | 21 | | |
| | SK 30 | 32 | 31 | 50 | 78 | 24 | | |
| | SK 40 | 16 | 25 | 44 | 38 | 17 | | 116 |
| | SK 40 | 22 | 25 | 44 | 48 | 19 | | 122 |
| | SK 40 | 27 | 36 | 55 | 58 | 21 | | 127 |
| | SK 40 | 32 | 31 | 50 | 78 | 24 | | 132 |
| | SK 40 | 40 | 31 | 50 | 88 | 27 | | 140 ¹⁾ |
| | SK 50 | 16 | 25 | 44 | 38 | 17 | | 316 |
| | SK 50 | 22 | 25 | 44 | 48 | 19 | | 322 |
| | SK 50 | 27 | 25 | 44 | 58 | 21 | | 327 |
| | SK 50 | 32 | 21 | 40 | 78 | 24 | | 332 |
| | SK 50 | 40 | 31 | 50 | 88 | 27 | | 340 ¹⁾ |
| | long | SK 40 | 16 | 81 | 100 | 38 | 17 | |
| SK 40 | | 22 | 81 | 100 | 48 | 19 | | 422 |
| SK 40 | | 27 | 81 | 100 | 58 | 21 | | 427 |
| SK 40 | | 32 | 81 | 100 | 78 | 24 | | 432 |
| SK 40 | | 40 | 81 | 100 | 88 | 27 | | 440 ¹⁾ |
| SK 50 | | 16 | 81 | 100 | 38 | 17 | | 616 |
| SK 50 | | 22 | 81 | 100 | 48 | 19 | | 622 |
| SK 50 | | 27 | 81 | 100 | 58 | 21 | | 627 |
| SK 50 | | 32 | 81 | 100 | 78 | 24 | | 632 |
| SK 50 | | 40 | 81 | 100 | 88 | 27 | | 640 ¹⁾ |
| medium length | SK 40 | 16 | 111 | 130 | 38 | 17 | | 816 |
| | SK 40 | 22 | 111 | 130 | 48 | 19 | | 822 |
| | SK 40 | 27 | 111 | 130 | 58 | 21 | | 827 |
| | SK 40 | 32 | 111 | 130 | 78 | 24 | | 832 |
| | SK 40 | 40 | 111 | 130 | 88 | 27 | | 840 ¹⁾ |
| | SK 50 | 16 | 111 | 130 | 38 | 17 | | 916 |
| | SK 50 | 22 | 111 | 130 | 48 | 19 | | 922 |
| | SK 50 | 27 | 111 | 130 | 58 | 21 | | 927 |
| | SK 50 | 32 | 111 | 130 | 78 | 24 | | 932 |
| | SK 50 | 40 | 111 | 130 | 88 | 27 | | 940 |
| extra-long | SK 40 | 16 | 141 | 160 | 38 | 17 | | 516 |
| | SK 40 | 22 | 141 | 160 | 48 | 19 | | 522 |
| | SK 40 | 27 | 141 | 160 | 58 | 21 | | 527 |
| | SK 40 | 32 | 141 | 160 | 78 | 24 | | 532 |
| | SK 40 | 40 | 141 | 160 | 88 | 27 | | 540 ¹⁾ |
| | SK 50 | 16 | 141 | 160 | 38 | 17 | | 716 |
| | SK 50 | 22 | 141 | 160 | 48 | 19 | | 722 |
| | SK 50 | 27 | 141 | 160 | 58 | 21 | | 727 |
| | SK 50 | 32 | 141 | 160 | 78 | 24 | | 732 |
| | SK 50 | 40 | 141 | 160 | 88 | 27 | | 740 ¹⁾ |

1) With cross screw and 4 holes M12. Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

2) With cross screw

Spare parts facemill adapters

| | |  |  |  |  |
|--------------------|----------------|---|---|---|---|
| Spare parts DCONWS | | Article no. 83 950 ... | Article no. 83 368 ... | Article no. 83 367 ... | Article no. 83 950 ... |
| 16 | 8x9x17,5 | 120 | 116 | M8 | 016 |
| 22 | 10x11x20,5 | 121 | 122 | M10 | 022 |
| 27 | 12x13x24,3 | 122 | 127 | M12 | 027 |
| 32 | 14x21x21,2 | 123 | 132 | M16 | 032 |
| 40 | 15,9x16,3x19,5 | 295 | 140 | M20 | 040 |
| | | | | | M8x25 |
| | | | | | M10x25 |
| | | | | | M12x30 |
| | | | | | M16x35 |
| | | | | | M20x40 |

| | |  |  |  |
|--------|----------|---|---|---|
| DCONWS | | Article no. 81 950 ... | Article no. 81 950 ... | Article no. 83 950 ... |
| 16 | 8x8x14 | 001 | M3x8 | 010 |
| 22 | 10x10x17 | 002 | M4x8 | 011 |
| 27 | 12x14x20 | 003 | M4x14 | 012 |
| 32 | 14x14x22 | 004 | M5x13 | 013 |
| 40 | | | | 010 |
| | | | | M3x8 |
| | | | | M4x12 |
| | | | | M5x12 |
| | | | | M5x20 |
| | | | | M6x16 |
| | | | | 296 |
| | | | | 297 |
| | | | | 136 |
| | | | | 137 |
| | | | | 138 |

 Spare part 81 950 ... only use for article 81 428 ...!

Accessories

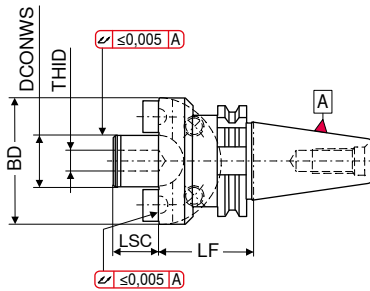
|  |  |  |
|---|---|---|
| Pull studs | Extensions | Others |
| → 48-49 | → 17 26 | → 17 34 |

Large diameter facemill adapter

▲ For milling cutters with keyway or drive slot DIN 6357

Scope of supply:

Holder with integrated drive dogs according to DIN 2079 and 4 fixation screws

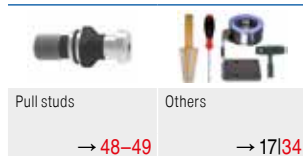


A
G 6,3 n_{\max} 8000

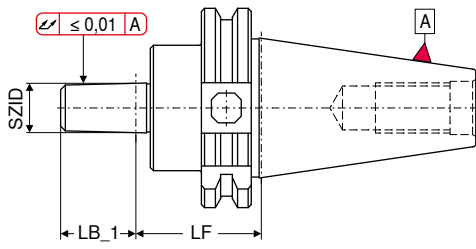
| Adapter | DCONWS | LF | BD | LSC | THID | Article no. 82 432 ... |
|---------|--------|----|-----|-----|------|---------------------------|
| | mm | mm | mm | mm | | |
| SK 40 | 40 | 60 | 89 | 30 | M20 | 040 |
| SK 50 | 40 | 70 | 89 | 30 | M20 | 240 |
| SK 50 | 60 | 70 | 129 | 40 | M30 | 260 |

| Spare parts DCONWS | Screw for drivers | Driver | Socket head screw | Clamping screw |
|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 70 950 ... | Article no. 83 950 ... |
| 40 | M6x16 | 138 | 15,9x16,3x19,5 | 295 |
| 60 | | | 25,4x16,3x26,5 | 298 |
| | | | M12x30 | 181 |
| | | | M12x50 | 140 |
| | | | M16x45 | 160 |

Accessories



Drill chuck adapter



A
G 6,3 n_{max} 8000

| Adapter | SZID | LF | LB_1 | Article no. 82 423 ... |
|---------|------|----|------|---------------------------|
| | | mm | mm | |
| SK 40 | B12 | 40 | 18,5 | 112 |
| SK 40 | B16 | 40 | 24,0 | 116 |
| SK 50 | B16 | 40 | 24,0 | 316 |
| SK 50 | B18 | 40 | 32,0 | 318 |

Spare parts SZID

| SZID | Article no. 83 636 ... | Article no. 83 636 ... |
|------|---------------------------|---------------------------|
| B12 | 0 - 8 mm 012 | 0 - 10 mm 112 |
| B16 | 1 - 13 mm 016 | 3 - 16 mm 116 |
| B18 | | 3 - 16 mm 018 |



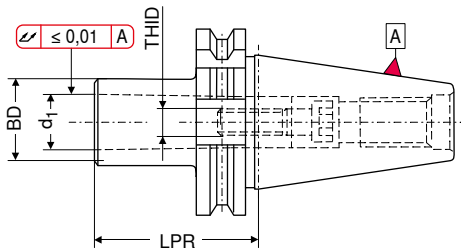
Accessories

| | |
|-----------------------|-------------------|
| | |
| Pull studs → 48-49 | Others → 17 34 |

Milling sleeve adapters DIN 6364 for DIN 228-2C Morse taper shanks with thread

Scope of supply:

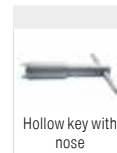
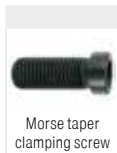
Holder with retaining screw



A
G 6,3 n_{max} 8000

| | Adapter | d ₁ | LPR | BD | THID | Article no. |
|-------|---------|----------------|-----|----|------|-------------|
| | | | | | | 82 446 ... |
| short | SK 40 | MK1 | 50 | 25 | M6 | 110 |
| | SK 40 | MK2 | 50 | 32 | M10 | 120 |
| | SK 40 | MK3 | 70 | 40 | M12 | 130 |
| | SK 40 | MK4 | 95 | 48 | M16 | 140 |
| | SK 50 | MK1 | 45 | 25 | M6 | 310 |
| | SK 50 | MK2 | 60 | 32 | M10 | 320 |
| | SK 50 | MK3 | 65 | 40 | M12 | 330 |
| | SK 50 | MK4 | 95 | 48 | M16 | 340 |
| | SK 50 | MK5 | 120 | 63 | M20 | 350 |

i Disassembly instructions can be found in → **Chapter 17, Accessories.**



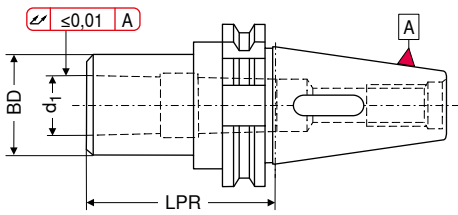
Spare parts

| for Article no. | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 359 ... | Article no. 83 950 ... | | | | |
|-----------------|------------------------|------------------------|------------------------|------------------------|----------|-----|---------------|-----|
| 82 446 110 | M6x30 | 260 | M5x6 | 030 | 16 x 32 | 013 | M16x8x6,5 | 265 |
| 82 446 120 | M10x30 | 261 | M5x8 | 031 | 16 x 32 | 013 | M16x8x10,5 | 267 |
| 82 446 130 | M12x35 | 018 | M5x6 | 030 | 17 x 117 | 017 | M20x1,5x10x13 | 269 |
| 82 446 140 | M16x40 | 019 | M5x8 | 031 | 23 x 145 | 023 | M26x1,5x17 | 270 |
| 82 446 310 | M6x30 | 260 | M5x8 | 031 | 20 x 135 | 020 | M24x10x6,5 | 266 |
| 82 446 320 | M10x30 | 017 | M5x8 | 031 | 20 x 135 | 020 | M24x10x10,5 | 268 |
| 82 446 330 | M10x30 | 017 | M5x8 | 031 | 17 x 117 | 017 | M20x1,5x10x13 | 269 |
| 82 446 340 | M16x40 | 019 | M5x8 | 031 | 23 x 145 | 023 | M26x1,5x17 | 270 |
| 82 446 350 | M20x50 | 262 | M5x8 | 031 | 33 x 175 | 033 | M36x1,5x21 | 271 |

Accessories

| | | |
|----------------------------|------------|---------|
| | | |
| Morse taper adapter sleeve | Pull studs | Others |
| → 17 4 | → 48-49 | → 17 34 |

Taper sleeve DIN6383 for DIN 228-2D Morse taper shanks



AD
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000

| | Adapter | d ₁ | LPR | BD | Article no. 81 439 ... | Article no. 82 439 ... |
|-------|---------|----------------|-----|----|---------------------------|---------------------------|
| | | | | | | |
| short | SK 30 | MK1 | 50 | 25 | 010 020 030 | |
| | SK 30 | MK2 | 65 | 32 | | |
| | SK 30 | MK3 | 80 | 40 | | |
| | SK 40 | MK1 | 50 | 25 | | 110 |
| | SK 40 | MK2 | 50 | 32 | | 120 |
| | SK 40 | MK3 | 70 | 40 | | 130 |
| | SK 40 | MK4 | 95 | 48 | | 140 |
| | SK 50 | MK1 | 50 | 25 | | 310 |
| | SK 50 | MK2 | 60 | 32 | | 320 |
| | SK 50 | MK3 | 65 | 40 | | 330 |
| SK 50 | MK4 | 95 | 48 | | 340 | |
| SK 50 | MK5 | 105 | 63 | | 350 | |
| long | SK 40 | MK2 | 117 | 32 | 220 | |
| | SK 40 | MK3 | 133 | 40 | 230 | |
| | SK 40 | MK4 | 156 | 48 | 240 | |

Accessories

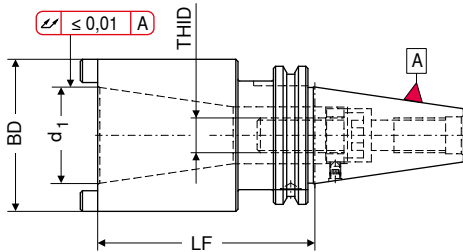
| | | |
|--------------------------------------|-----------------------|-------------------|
| | | |
| Morse taper adapter sleeve → 17 4 | Pull studs → 48-49 | Others → 17 34 |

Milling adapter sleeve

- ▲ For mounting tool holders according to DIN 2080
- ▲ With an extended retaining screw also tool holders according to DIN 69871, MAS-BT and ANSI-CAT can be clamped

Scope of supply:

Holder with clamping screw for DIN 2080 adapters



G 6,3 n_{max} 8000



G 6,3 n_{max} 8000

| Adapter | d ₁ | LF | BD | THID | Article no. 81 453 ... | Article no. 82 453 ... |
|---------|----------------|-----|-----|------|---------------------------|---------------------------|
| SK 40 | SK 30 | 40 | 51 | M12 | 030 | 040 |
| SK 40 | SK 40 | 100 | 70 | M16 | | |
| SK 50 | SK 40 | 80 | 70 | M16 | 240 | 250 |
| SK 50 | SK 50 | 120 | 100 | M24 | | |

Spare parts

for Article no.

| Article no. | Clamping screw SK | Clamping Screw | Counterscrew | Counterscrew | Hollow key with nose | Fixing ring | Fixing ring |
|-------------|-------------------|----------------|--------------|--------------|----------------------|-------------|-------------|
| 81 453 030 | 263 | 160 | 033 | 030 | 017 | 170 | 270 |
| 82 453 040 | 009 | | | 030 | 023 | | 270 |
| 82 453 240 | 264 | | | | | | |
| 82 453 250 | 256 | | | 031 | 133 | | 257 |

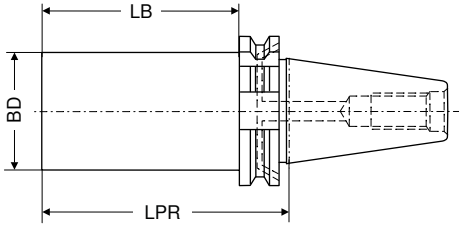
Auxiliary table for finding the required spare parts and accessories for intermediate sleeves for SK-adapters

| DIN 69871 | Norm of the SK-shank | | Clamping screw length | Clamping screw SK Article No. | Retaining ring Article No. | Lock screw Article No. | Hollow key Article No. |
|------------|-------------------------------|------------------------------|-----------------------|----------------------------------|-------------------------------|---------------------------|---------------------------|
| | Ø d ₁ DIN 69871 | Ø d ₁ DIN 2080 | | | | | |
| 81 453 030 | | SK 30 | M12 x 35 | 81 950 160 | 81 950 170 | 81 950 033 | 83 359 017 |
| 82 453 040 | SK 40 | | M16 x 70 | 83 950 264 | 83 950 270 | 83 950 030 | 83 359 023 |
| 82 453 040 | | SK 40 | M16 x 40 | 83 950 009 | 83 950 270 | 83 950 030 | 83 359 023 |
| 82 453 240 | SK 40 | | M16 x 70 | 83 950 264 | | | |
| 82 453 240 | | SK 40 | M16 x 40 | 83 950 009 | | | |
| 82 453 250 | SK 50 | | M24 x 80 | 83 950 256 | 83 950 257 | 83 950 031 | 83 359 133 |
| 82 453 250 | | SK 50 | M24 x 50 | 83 950 263 | 83 950 257 | 83 950 031 | 83 359 133 |

i Spare part 81 950 ... only use for article 81 453 ...!

Blank

- ▲ Material: Steel 17CrNiMo5
- ▲ For production of special tools
- ▲ Diameter BD turned with 0.5 mm oversize
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



AD/B

Article no.
82 458 ...

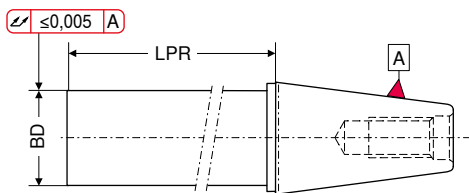
| Adapter | BD | LPR | LB | |
|---------|------|-----|-----|-----|
| | mm | mm | mm | |
| SK 40 | 63,0 | 250 | 231 | 040 |
| SK 50 | 63,5 | 300 | 281 | 050 |

Test bar

- ▲ Without clamping slots
- ▲ MAS BT 40 special pull stud with LF = 32 mm

Scope of supply:

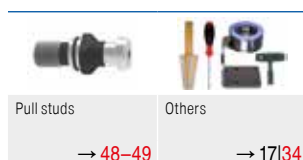
In wooden box



| Adapter | BD | LPR | |
|------------|----|-----|-----|
| | mm | mm | |
| SK / BT 40 | 40 | 330 | 040 |
| SK / BT 50 | 50 | 330 | 050 |

Article no.
82 456 ...

Accessories



Pull studs

Others

→ 48-49

→ 17|34

Pull studs for tool holders according to DIN 69871

- ▲ DIN 69872 form A and B
- ▲ For tools with or without axial coolant supply

Scope of supply:

Including O-Ring



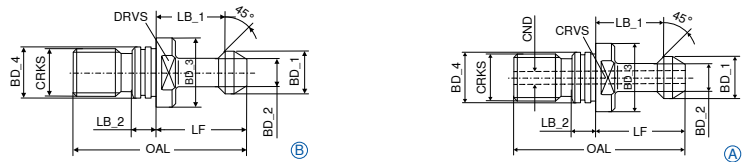
| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX | form | Article no. | Article no. |
|---------|------|------|------|------|------|-----|----|------|------|------|------|-----|------|-------------|-------------|
| | mm | mm | mm | mm | | | | | | | | | | 82 468 ... | 82 475 ... |
| SK 30 | 13 | 9 | 17 | 13 | M12 | 44 | 24 | 19 | 5 | 3,5 | 14 | 60 | A | 030 | |
| SK 40 | 19 | 14 | 23 | 17 | M16 | 54 | 26 | 20 | 7 | 7,0 | 19 | 90 | A | 040 | |
| SK 50 | 28 | 21 | 36 | 25 | M24 | 74 | 34 | 25 | 10 | 11,5 | 30 | 145 | A | 050 | |
| SK 30 | 13 | 9 | 17 | 13 | M12 | 44 | 24 | 19 | 5 | | 14 | 60 | B | | 030 |
| SK 40 | 19 | 14 | 23 | 17 | M16 | 54 | 26 | 20 | 7 | | 19 | 90 | B | | 040 |
| SK 50 | 28 | 21 | 36 | 25 | M24 | 74 | 34 | 25 | 10 | | 30 | 145 | B | | 050 |

Pull studs for tool holders according to DIN 69871

- ▲ Similar to BT 45°, but 3 mm shorter
- ▲ For Haas, Micron and Hurco machines

Scope of supply:

Including O-Ring



| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX | form | Article no. | Article no. |
|---------|------|------|------|------|------|-----|----|------|------|-----|------|-----|------|-------------|-------------|
| | mm | mm | mm | mm | | | | | | | | | | 82 535 ... | 83 538 ... |
| SK 40 | 15 | 10 | 23 | 17 | M16 | 57 | 32 | 25 | 5 | 4 | 19 | 90 | A | 040 | |
| SK 40 | 15 | 10 | 23 | 17 | M16 | 57 | 32 | 25 | 5 | | 19 | 90 | B | | 040 |



O-Ring

Spare parts

BD_4

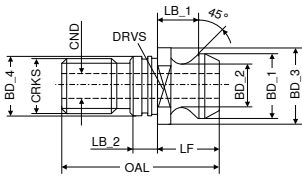
| | Article no. |
|----|----------------|
| 17 | BT / SK 40 040 |
| 25 | BT / SK 50 050 |

Pull studs for tool holders according to DIN 69871

▲ Similar to ISO / DIS 7388 (ANSI-CAT only for SK 40) Form A

Scope of supply:

SK 50 including O-ring
SK 40 without O-ring groove



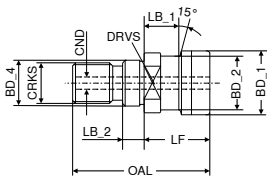
| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX |
|---------|-------|-------|------|------|------|-------|-------|-------|------|------|------|-----|
| | mm | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm |
| SK 40 | 18,95 | 12,95 | 22,5 | 17 | M16 | 41,26 | 16,40 | 11,15 | 4,0 | 6,0 | 19 | 90 |
| SK 50 | 29,10 | 19,60 | 37,0 | 25 | M24 | 65,50 | 25,55 | 17,95 | 5,5 | 11,5 | 30 | 145 |

Article no.
82 487 ...

040
050

Pull studs for tool holders according to DIN 69871

- ▲ SK 40 with circlip groove and edge protection, with and without internal thread
- ▲ SK 50 with circlip groove, with and without internal thread
- ▲ For tools according to DIN 69871 for conversion to DIN 2080



| Adapter | BD_1 | BD_2 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX |
|---------|------|------|------|------|-----|----|------|------|-----|------|-----|
| | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm |
| SK 40 | 25,0 | 21,1 | 17 | M16 | 53 | 25 | 13,6 | 8 | 7 | 19 | 90 |
| SK 50 | 39,3 | 32,0 | 25 | M24 | 65 | 25 | 13,3 | 10 | | 30 | 145 |

With internal thread

Without internal thread

Article no.
82 493 ...

Article no.
82 494 ...

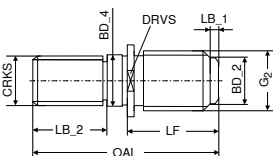
040
050 ¹⁾

040
050

1) With O ring

Pull studs for tool holders according to DIN 69871

▲ DECKEL thread S 20 x 2



| Adapter | G ₂ | CRKS | OAL | LF | LB_1 | LB_2 | BD_2 | BD_4 | DRVS |
|---------|----------------|------|-----|----|------|------|------|------|------|
| | | | mm | mm | mm | mm | mm | mm | mm |
| SK 40 | S 20 x 2 | M16 | 55 | 33 | 4 | 17 | 16,7 | 17 | 22 |

Article no.
83 471 ...

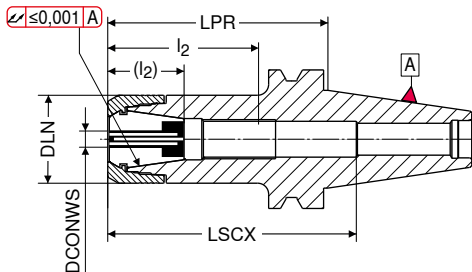
040

ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop







AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 524 ... |
|---------|--------|-----|-----|------|-------------------|-------------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| BT 30 | 1 - 10 | 50 | 30 | 73 | 28 - 44 (16 - 31) | 426E (ER16) | 001 |
| BT 30 | 1 - 10 | 75 | 30 | 97 | 28 - 45 (14 - 31) | 426E (ER16) | 002 |
| BT 30 | 1 - 10 | 100 | 30 | 123 | 28 - 44 (16 - 31) | 426E (ER16) | 003 |
| BT 30 | 1 - 10 | 120 | 30 | 112 | 28 - 45 (14 - 31) | 426E (ER16) | 004 |
| BT 30 | 2 - 16 | 60 | 40 | 77 | 35 - 59 (30 - 42) | 430E (ER25) | 160 |
| BT 30 | 2 - 16 | 75 | 40 | 72 | 38 - 56 (23 - 39) | 430E (ER25) | 161 |
| BT 30 | 2 - 16 | 90 | 40 | 87 | 38 - 56 (23 - 39) | 430E (ER25) | 162 |
| BT 30 | 2 - 16 | 120 | 40 | 115 | 38 - 56 (23 - 39) | 430E (ER25) | 164 |
| BT 30 | 2 - 20 | 60 | 50 | 69 | 42 - 52 | 470E (ER32) | 207 |
| BT 30 | 2 - 20 | 75 | 50 | 84 | 42 - 62 (24 - 45) | 470E (ER32) | 208 |
| BT 30 | 2 - 20 | 90 | 50 | 94 | 42 - 62 (24 - 45) | 470E (ER32) | 209 |
| BT 40 | 1 - 10 | 75 | 30 | 90 | 38 - 53 (29 - 39) | 426E (ER16) | 210 |
| BT 40 | 1 - 10 | 90 | 30 | 120 | 30 - 50 (29 - 36) | 426E (ER16) | 310 |
| BT 40 | 1 - 10 | 120 | 30 | 140 | 29 - 45 (29 - 35) | 426E (ER16) | 410 |
| BT 40 | 1 - 10 | 150 | 30 | 180 | 29 - 45 (29 - 32) | 426E (ER16) | 510 |
| BT 40 | 1 - 10 | 200 | 30 | 220 | 29 - 50 (29 - 36) | 426E (ER16) | 610 |
| BT 40 | 2 - 16 | 60 | 40 | 92 | 44 - 64 (36 - 46) | 430E (ER25) | 116 |
| BT 40 | 2 - 16 | 75 | 40 | 100 | 42 - 59 (36 - 41) | 430E (ER25) | 216 |
| BT 40 | 2 - 16 | 90 | 40 | 91 | 42 - 59 (36 - 41) | 430E (ER25) | 316 |
| BT 40 | 2 - 16 | 105 | 40 | 100 | 35 - 60 (20 - 42) | 430E (ER25) | 168 |
| BT 40 | 2 - 16 | 120 | 40 | 91 | 40 - 65 (36 - 47) | 430E (ER25) | 416 |
| BT 40 | 2 - 16 | 150 | 40 | 100 | 40 - 64 (36 - 45) | 430E (ER25) | 516 |
| BT 40 | 2 - 16 | 200 | 40 | 150 | 40 - 64 (36 - 45) | 430E (ER25) | 616 |
| BT 40 | 2 - 20 | 60 | 50 | 55 | 45 - 64 (42 - 46) | 470E (ER32) | 120 |
| BT 40 | 2 - 20 | 75 | 50 | 100 | 42 - 76 (42 - 52) | 470E (ER32) | 220 |
| BT 40 | 2 - 20 | 90 | 50 | 100 | 42 - 76 (42 - 52) | 470E (ER32) | 320 |
| BT 40 | 2 - 20 | 120 | 50 | 110 | 42 - 71 (42 - 53) | 470E (ER32) | 420 |
| BT 40 | 2 - 20 | 150 | 50 | 110 | 42 - 71 (42 - 53) | 470E (ER32) | 520 |
| BT 40 | 3 - 26 | 75 | 63 | 78 | 54 - 59 | 472E (ER40) | 226 |
| BT 40 | 3 - 26 | 105 | 63 | 93 | 55 - 71 (48 - 53) | 472E (ER40) | 326 |
| BT 50 | 2 - 20 | 75 | 50 | 110 | 45 - 70 (42 - 53) | 470E (ER32) | 720 |
| BT 50 | 2 - 20 | 105 | 50 | 140 | 45 - 63 (42 - 45) | 470E (ER32) | 820 |
| BT 50 | 2 - 20 | 165 | 50 | 200 | 45 - 74 (42 - 56) | 470E (ER32) | 920 |
| BT 50 | 3 - 26 | 75 | 63 | 100 | 48 - 58 | 472E (ER40) | 726 |
| BT 50 | 3 - 26 | 105 | 63 | 100 | 48 - 58 | 472E (ER40) | 826 |

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 3 mm longer

Spare parts, ER precision collet chuck

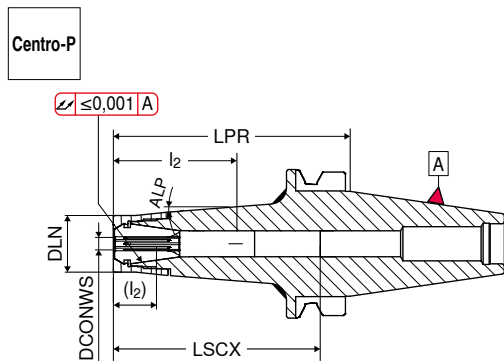
| |  |  |  |  |
|-------------------|---|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | |
| 426E (ER16) | 011 | 001 | M11x1 - SW6 | 337 |
| 430E (ER25) | 013 | 003 | M18x1,5 - SW6 | 431 |
| 470E (ER32) | 015 | 005 | M22x1,5 - SW6 | 401 |
| 472E (ER40) | 017 | 007 | M28x1,5 - SW6 | 400 |

ER Precision tapered collet chuck

- ▲ for special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD/B
G 2,5 n_{max} 25000







| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | ALP | Article no. 84 517 ... |
|---------|--------|-----|-----|------|-------------------|-------------|------|---------------------------|
| | mm | mm | mm | mm | mm | | | |
| BT 40 | 1 - 10 | 100 | 24 | 72 | 28 - 48 (20 - 35) | 426E (ER16) | 4,5° | 410 |
| BT 40 | 1 - 10 | 160 | 24 | 180 | 28 - 48 (20 - 35) | 426E (ER16) | 4,5° | 510 |

→ Transmittable torque moments, page 233

- i** LSCX = Clamping depth without back stop screw for shanks
- l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
- Dimension LPR when using tightening nuts with seals 4 mm longer

| |  |  |  |  |
|-------------------|---|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | |
| 426E (ER16) | 033 | 031 | M11x1 - SW6 | 341 |
| | | | M11x1 - SW6 | 337 |

Accessories

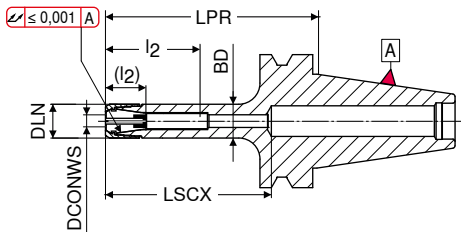
| | | | | | |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| ER collet | Sealing ring | roll key | roll key device | Pull studs | Others |
| → 208-211, 213 | → 207 | → 17 36 | → 17 36 | → 91-92 | → 17 34 |

ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD/B
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | BD | LSCX | l ₂ (l ₂) | for collet | Article no. | |
|---------|--------|-----|-----|----|------|----------------------------------|--------------|-------------|------------|
| | | | | | | | | 84 508 ... | 84 507 ... |
| BT 30 | 1 - 7 | 50 | 16 | 16 | 68 | 18 - 32 (12 - 22) | 4008E (ER11) | | 007 |
| BT 30 | 1 - 7 | 100 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | | 008 |
| BT 40 | 1 - 7 | 75 | 16 | 16 | 100 | 15 - 30 (8 - 21) | 4008E (ER11) | 307 | |
| BT 40 | 1 - 7 | 90 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 40600 | |
| BT 40 | 1 - 7 | 120 | 16 | 16 | 140 | 15 - 30 (8 - 21) | 4008E (ER11) | 507 | |
| BT 40 | 1 - 7 | 150 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 90600 | |
| BT 40 | 1 - 10 | 75 | 22 | 22 | 100 | 27 - 49 (16 - 32) | 426E (ER16) | 216 | |
| BT 40 | 1 - 10 | 90 | 22 | 22 | 115 | 27 - 49 (16 - 32) | 426E (ER16) | 316 | |
| BT 40 | 1 - 10 | 120 | 22 | 22 | 145 | 27 - 49 (16 - 32) | 426E (ER16) | 416 | |
| BT 40 | 1 - 10 | 150 | 22 | 22 | 175 | 27 - 49 (16 - 32) | 426E (ER16) | 516 | |

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l₂ = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

| | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|--------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 4008E (ER11) | | 041 | M8x1 - SW4 | 340 |
| 426E (ER16) | 035 | 034 | M11x1 - SW6 | 341 |
| | | | M8x1 - SW4 | 336 |
| | | | M11x1 - SW6 | 337 |

Accessories

| | | | | | | |
|----------------|--------------|---------|----------|-----------------|------------|---------|
| | | | | | | |
| ER collet | Sealing ring | Device | Roll key | Roll key device | Pull studs | Others |
| → 208-211, 213 | → 207 | → 17135 | → 17136 | → 17136 | → 91-92 | → 17134 |

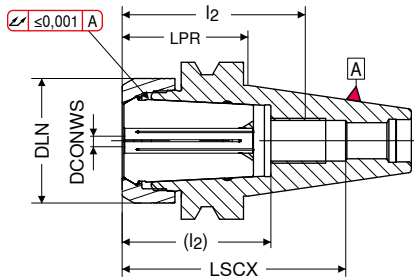
OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD/B
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet |
|---------|--------|-----|-----|------|-----------------|------------|
| | mm | mm | mm | mm | mm | |
| BT 40 | 2-25 | 51 | 50 | 89 | 70 (56) | 462E |

Article no.
84 513 ...

225

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet
462E

| | | |
|---------------------------|---------------------------|---------------------------|
| | | |
| Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 020 | M22x1,5 - SW6 | 402 |
| | | M22x1,5 - SW6 |
| | | 401 |

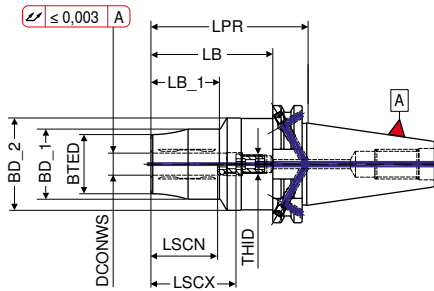
Accessories

| | | | | | |
|-----------|--------------|----------|-----------------|------------|---------|
| | | | | | |
| OZ Collet | Sealing ring | Roll key | Roll key device | Pull studs | Others |
| → 217 | → 217 | → 17 36 | → 17 36 | → 91-92 | → 17 34 |

High pressure chuck, short version

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

| Short | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LB_1 | LSCX | LSCN | LB | THID | Article no. 83 526 ... |
|-------|---------|--------|-----|------|------|------|------|------|------|-----|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| | BT 40 | 16 | 95 | 36 | 42 | 50 | 42 | 49 | 39 | 71 | M12x1 | 116 |
| | BT 40 | 20 | 100 | 42 | 48 | 50 | 45 | 51 | 41 | 76 | M16x1 | 120 |
| | BT 40 | 25 | 110 | 51 | 57 | 50 | 60 | 57 | 47 | 91 | M16x1 | 125 |
| | BT 40 | 32 | 120 | 57 | 63 | 50 | 65 | 61 | 51 | 101 | M16x1 | 132 |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

for Article no.

| | Pressure pin | Article no. 83 950 ... | Pressure screw | Article no. 83 950 ... | Stop screw IK | Article no. 83 950 ... |
|------------|--------------|---------------------------|----------------|---------------------------|---------------|---------------------------|
| 83 526 116 | Ø5 x 16 | 433 | M10x1x14 | 429 | M12x1x18 | 446 |
| 83 526 120 | Ø6 x 16 | 434 | M10x1x12 | 159 | M16x1x18,5 | 448 |
| 83 526 125 | Ø6 x 16 | 434 | M10x1x12 | 159 | M16x1x22 | 449 |
| 83 526 132 | Ø6 x 16 | 434 | M10x1x14 | 429 | M16x1x25 | 450 |

Spare parts

for Article no.

| | Cylindrical screw | Article no. 83 950 ... | Clamping key – T | Article no. 80 397 ... |
|------------|-------------------|---------------------------|------------------|---------------------------|
| 83 526 116 | M5x5 - SW2,5 | 157 | SW5 | 050 |
| 83 526 120 | M5x5 - SW2,5 | 157 | SW5 | 050 |
| 83 526 125 | M5x5 - SW2,5 | 157 | SW5 | 050 |
| 83 526 132 | M5x5 - SW2,5 | 157 | SW5 | 050 |

Accessories

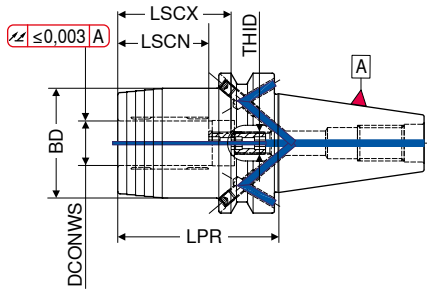
| | | |
|------------------|------------|---------|
| | | |
| Reduction sleeve | Pull studs | Others |
| → 17 32 | → 48–49 | → 17 34 |

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 513 ...

120

| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID |
|---------|--------|------|----|------|------|------------|
| | mm | mm | mm | mm | mm | |
| BT 40 | 20 | 72,5 | 49 | 51 | 40 | M16x1x13,5 |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

| Spare parts | Cylindrical screw | Clamping key- T | Pressure screw | Stop screw IK |
|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|
| for Article no. | Article no. 83 950 ... | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 83 513 120 | M5x5 - SW2,5 157 | SW5 050 | M10x1x14 429 | M16x1x13,5 - SW8 424 |

Accessories

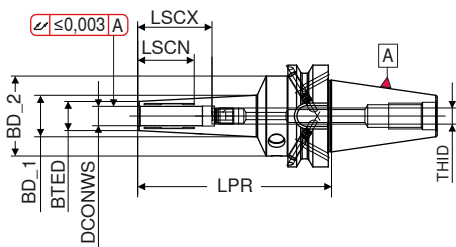
| | | |
|-----------------------------|-----------------------|-------------------|
| | | |
| Reduction sleeve → 17 32 | Pull studs → 91-92 | Others → 17 34 |

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw, pressure screw and screw plug



AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LSCX | LSCN | THID | Article no. 83 522 ... |
|------|---------|--------|-----|-------|-------|------|------|-------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | mm | |
| long | BT40 | 3 | 120 | 9 | 16,55 | 49,5 | 28 | 12 | M3 | 103 |
| | BT40 | 4 | 120 | 10 | 17,55 | 49,5 | 28 | 16 | M3 | 104 |
| | BT40 | 5 | 120 | 11 | 18,55 | 49,5 | 28 | 20 | M3 | 105 |
| | BT40 | 6 | 120 | 12 | 19,55 | 49,5 | 37 | 27 | M5 | 106 |
| | BT40 | 8 | 120 | 14 | 21,55 | 49,5 | 37 | 27 | M6 | 108 |
| | BT40 | 10 | 120 | 16 | 23,65 | 49,5 | 41 | 31 | M8x1 | 110 |
| | BT40 | 12 | 120 | 18 | 25,76 | 49,5 | 46 | 36 | M10x1 | 112 |
| | BT40 | 16 | 120 | 24 | 31,45 | 49,5 | 49 | 39 | M12x1 | 116 |
| | BT40 | 20 | 120 | 28 | 35,55 | 49,5 | 51 | 41 | M16x1 | 120 |
| | BT40 | 6 | 160 | 16 | 33,53 | 49,5 | 37 | 27 | M5 | 206 |
| | BT40 | 8 | 160 | 18 | 34,60 | 49,5 | 37 | 27 | M6 | 208 |
| | BT40 | 10 | 160 | 20 | 36,27 | 49,5 | 41 | 31 | M8x1 | 210 |
| | BT40 | 12 | 160 | 22 | 37,88 | 49,5 | 46 | 36 | M10x1 | 212 |
| | BT40 | 6 | 200 | 16 | 37,88 | 49,5 | 37 | 27 | M5 | 306 |
| | BT40 | 8 | 200 | 18 | 38,90 | 49,5 | 37 | 27 | M6 | 308 |
| | BT40 | 10 | 200 | 20 | 40,57 | 49,5 | 41 | 31 | M8x1 | 310 |
| BT40 | 12 | 200 | 22 | 42,18 | 49,5 | 46 | 36 | M10x1 | 312 | |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

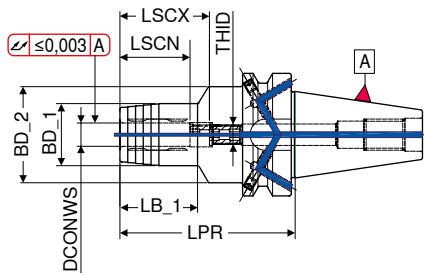
| Spare parts for Article no. | Cylindrical screw | | Clamping key - T | | Pressure screw | | Stop screw IK | |
|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 80 397 ... | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 83 522 103 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M3x20 - SW1,5 | 172 |
| 83 522 104 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M3x20 - SW1,5 | 172 |
| 83 522 105 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M3x20 - SW1,5 | 172 |
| 83 522 106 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M5x12,5 - SW2,5 | 418 |
| 83 522 108 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M6x12,5 - SW3 | 419 |
| 83 522 110 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M8x1x13,5 - SW3 | 420 |
| 83 522 112 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M10x1x13,5 - SW5 | 421 |
| 83 522 116 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M12x1x13,5 - SW5 | 422 |
| 83 522 120 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M16x1x13,5 - SW8 | 424 |
| 83 522 206 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M5x12,5 - SW2,5 | 418 |
| 83 522 208 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M6x12,5 - SW3 | 419 |
| 83 522 210 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M8x1x13,5 - SW3 | 420 |
| 83 522 212 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M10x1x13,5 - SW5 | 421 |
| 83 522 306 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M5x12,5 - SW2,5 | 418 |
| 83 522 308 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x10 | 158 | M6x12,5 - SW3 | 419 |
| 83 522 310 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M8x1x13,5 - SW3 | 420 |
| 83 522 312 | M5x5 - SW2,5 | 157 | SW5 | 050 | M10x1x12 | 159 | M10x1x13,5 - SW5 | 421 |

Hydraulic chuck MAS BT, short and slim version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



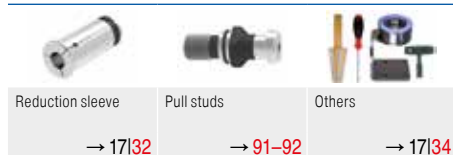
AD/B
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | BD_1 | BD_2 | LSCX | LSCN | LB_1 | THID | Article no. 83 521 ... |
|---------|--------|-----|------|------|------|------|------|-------|---------------------------|
| | mm | mm | mm | mm | mm | mm | mm | | |
| BT 40 | 6 | 90 | 26 | 49,5 | 37 | 27 | 29 | M5 | 106 |
| BT 40 | 8 | 90 | 28 | 49,5 | 37 | 27 | 30 | M6 | 108 |
| BT 40 | 10 | 90 | 30 | 49,5 | 41 | 31 | 35 | M8x1 | 110 |
| BT 40 | 12 | 90 | 32 | 49,5 | 46 | 36 | 40 | M10x1 | 112 |
| BT 40 | 16 | 90 | 38 | 49,5 | 49 | 39 | 45 | M12x1 | 116 |
| BT 40 | 20 | 90 | 42 | 49,5 | 51 | 41 | 47 | M16x1 | 120 |
| BT 40 | 25 | 90 | 55 | 52,0 | 57 | 47 | 50 | M16x1 | 125 |
| BT 40 | 32 | 90 | 63 | 62,0 | 61 | 51 | 48 | M16x1 | 132 |
| BT 50 | 6 | 90 | 26 | 49,5 | 37 | 27 | 29 | M5 | 306 |
| BT 50 | 8 | 90 | 28 | 49,5 | 37 | 27 | 30 | M6 | 308 |
| BT 50 | 10 | 90 | 30 | 49,5 | 41 | 31 | 34 | M8x1 | 310 |
| BT 50 | 12 | 90 | 32 | 49,5 | 46 | 36 | 34 | M10x1 | 312 |
| BT 50 | 16 | 90 | 38 | 49,5 | 49 | 39 | 35 | M12x1 | 316 |
| BT 50 | 20 | 90 | 42 | 49,5 | 51 | 41 | 35 | M16x1 | 320 |
| BT 50 | 25 | 110 | 55 | 63,0 | 57 | 47 | 48 | M16x1 | 325 |
| BT 50 | 32 | 110 | 63 | 70,0 | 61 | 51 | 50 | M16x1 | 332 |

→ Min. clamping depth, Page 233

| Spare parts DCONWS | Pressure screw | Stop screw IK | Stop screw IK |
|-----------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 6 | M8x1x10 439 | | M5x12,5 - SW2,5 418 |
| 8 | M8x1x10 439 | M6x14 - SW2 417 | M6x12,5 - SW3 419 |
| 10 | M10x1x12 440 | | M8x1x13,5 - SW3 420 |
| 12 | M10x1x12 440 | | M10x1x13,5 - SW5 421 |
| 16 | M10x1x12 440 | | M12x1x13,5 - SW5 422 |
| 20 - 32 | M10x1x12 440 | | M16x1x13,5 - SW8 424 |

Accessories

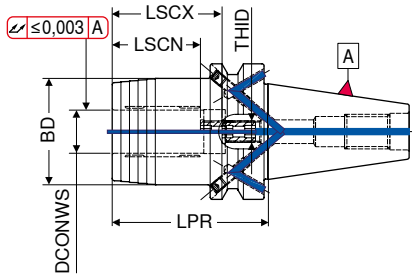


Hydraulic chuck MAS BT, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 518 ...

| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID |
|---------|--------|------|------|------|------|-------|
| | mm | mm | mm | mm | mm | |
| BT 40 | 20 | 72,5 | 49,5 | 51 | 41 | M16x1 |
| BT 50 | 32 | 90,0 | 72,0 | 61 | 51 | M16x1 |

120

332

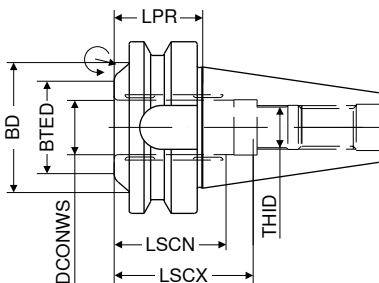
→ Min. clamping depth, Page 233

Hydraulic chuck, extra short

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 523 ...

| Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID |
|---------|--------|------|------|----|------|------|-------|
| | mm | mm | mm | mm | mm | mm | |
| BT 40 | 20 | 32,5 | 34 | 48 | 51 | 41 | M16x1 |

120

→ Min. clamping depth, Page 233

Spare parts DCONWS

20-32



Article no.
83 950 ...

440



Article no.
83 950 ...

424

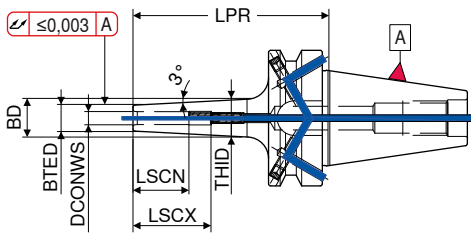
M10x1x12

M16x1x13,5-SW8

Shrink adapter, Slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. |
|------------|---------|--------|-----|------|----|------|------|-------|-------------|
| | | mm | mm | mm | mm | mm | mm | | 84 323 ... |
| short | BT 40 | 3 | 90 | 9 | 15 | 28 | 12 | M6 | 103 |
| | BT 40 | 4 | 90 | 10 | 16 | 28 | 16 | M6 | 104 |
| | BT 40 | 5 | 90 | 11 | 17 | 30 | 20 | M6 | 105 |
| | BT 40 | 6 | 90 | 12 | 18 | 36 | 26 | M5 | 106 |
| | BT 40 | 8 | 90 | 14 | 20 | 36 | 26 | M6 | 108 |
| | BT 40 | 10 | 90 | 16 | 22 | 41 | 31 | M8x1 | 110 |
| | BT 40 | 12 | 90 | 18 | 24 | 47 | 37 | M10x1 | 112 |
| | BT 40 | 14 | 90 | 20 | 26 | 47 | 37 | M10x1 | 114 |
| | BT 40 | 16 | 90 | 22 | 28 | 50 | 40 | M12x1 | 116 |
| | BT 40 | 18 | 90 | 24 | 30 | 50 | 40 | M12x1 | 118 |
| | BT 40 | 20 | 90 | 26 | 32 | 52 | 42 | M16x1 | 120 |
| long | BT 40 | 3 | 120 | 9 | 16 | 12 | 12 | | 203 |
| | BT 40 | 4 | 120 | 10 | 17 | 16 | 16 | | 204 |
| | BT 40 | 5 | 120 | 11 | 18 | 20 | 20 | | 205 |
| | BT 40 | 6 | 120 | 12 | 21 | 36 | 26 | M5 | 206 |
| | BT 40 | 8 | 120 | 14 | 23 | 36 | 26 | M6 | 208 |
| | BT 40 | 10 | 120 | 16 | 25 | 41 | 31 | M8x1 | 210 |
| | BT 40 | 12 | 120 | 18 | 27 | 47 | 37 | M10x1 | 212 |
| | BT 40 | 14 | 120 | 20 | 29 | 47 | 37 | M10x1 | 214 |
| | BT 40 | 16 | 120 | 22 | 31 | 50 | 40 | M12x1 | 216 |
| | BT 40 | 18 | 120 | 24 | 33 | 50 | 40 | M12x1 | 218 |
| | BT 40 | 20 | 120 | 26 | 35 | 52 | 42 | M16x1 | 220 |
| extra-long | BT 40 | 3 | 160 | 9 | 19 | 12 | 12 | | 303 |
| | BT 40 | 4 | 160 | 10 | 20 | 16 | 16 | | 304 |
| | BT 40 | 5 | 160 | 11 | 21 | 20 | 20 | | 305 |
| | BT 40 | 6 | 160 | 12 | 24 | 36 | 26 | M5 | 306 |
| | BT 40 | 8 | 160 | 14 | 26 | 36 | 26 | M6 | 308 |
| | BT 40 | 10 | 160 | 16 | 28 | 41 | 31 | M8x1 | 310 |
| | BT 40 | 12 | 160 | 18 | 30 | 47 | 37 | M10x1 | 312 |
| | BT 40 | 14 | 160 | 20 | 32 | 47 | 37 | M10x1 | 314 |
| | BT 40 | 16 | 160 | 22 | 34 | 50 | 40 | M12x1 | 316 |
| | BT 40 | 18 | 160 | 24 | 36 | 50 | 40 | M12x1 | 318 |
| | BT 40 | 20 | 160 | 26 | 38 | 52 | 42 | M16x1 | 320 |

→ Min. clamping depth, Page 233

Spare parts

| DCONWS | Article no. | Article no. |
|---------|-------------|------------------|
| | 83 950 ... | 83 950 ... |
| 3 - 5 | M6x14 - SW2 | 417 |
| 6 | | M5x12,5 - SW2,5 |
| 8 | | M6x12,5 - SW3 |
| 10 | | M8x1x13,5 - SW3 |
| 12 - 14 | | M10x1x13,5 - SW5 |
| 16 - 18 | | M12x1x13,5 - SW5 |
| 20 | | M16x1x13,5 - SW8 |



Stop screw IK

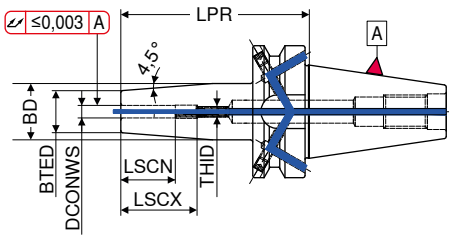


Stop screw IK

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



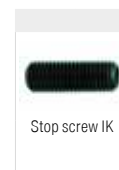
AD/B
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. 84 303 ... | Article no. 84 303 ... |
|------------|---------|--------|-----|------|----|------|-------|-------|---------------------------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | | | |
| Short | BT 30 | 3 | 85 | 10 | 17 | 28 | 12 | M6 | | |
| | BT 30 | 4 | 85 | 15 | 22 | 28 | 16 | M6 | | 003 |
| | BT 30 | 5 | 85 | 15 | 22 | 30 | 20 | M6 | | 004 |
| | BT 30 | 6 | 85 | 21 | 27 | 36 | 26 | M5 | | 005 |
| | BT 30 | 8 | 85 | 21 | 27 | 36 | 26 | M6 | | 006 |
| | BT 30 | 10 | 85 | 24 | 32 | 41 | 31 | M8x1 | | 008 |
| | BT 30 | 12 | 85 | 24 | 32 | 47 | 37 | M10x1 | | 010 |
| | BT 30 | 14 | 85 | 27 | 34 | 47 | 37 | M10x1 | | 012 |
| | BT 30 | 16 | 85 | 27 | 34 | 50 | 40 | M12x1 | | 014 |
| | BT 30 | 18 | 85 | 33 | 42 | 50 | 40 | M12x1 | | 016 |
| | BT 30 | 20 | 85 | 33 | 42 | 52 | 42 | M16x1 | | 018 |
| | BT 30 | 20 | 85 | 33 | 42 | 52 | 42 | M16x1 | | 020 |
| | BT 40 | 3 | 90 | 10 | 17 | 28 | 12 | M6 | 103 | |
| | BT 40 | 4 | 90 | 15 | 22 | 28 | 16 | M6 | 104 | |
| | BT 40 | 5 | 90 | 15 | 22 | 30 | 20 | M6 | 105 | |
| | BT 40 | 6 | 90 | 21 | 27 | 36 | 26 | M5 | 106 | |
| | BT 40 | 8 | 90 | 21 | 27 | 36 | 26 | M6 | 108 | |
| | BT 40 | 10 | 90 | 24 | 32 | 41 | 31 | M8x1 | 110 | |
| | BT 40 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | 112 | |
| | BT 40 | 14 | 90 | 27 | 34 | 47 | 37 | M10x1 | 114 | |
| BT 40 | 16 | 90 | 27 | 34 | 50 | 40 | M12x1 | 116 | | |
| BT 40 | 18 | 90 | 33 | 42 | 50 | 40 | M12x1 | 118 | | |
| BT 40 | 20 | 90 | 33 | 42 | 52 | 42 | M16x1 | 120 | | |
| BT 40 | 25 | 100 | 44 | 53 | 58 | 48 | M16x1 | 125 | | |
| Long | BT 40 | 3 | 120 | 10 | 20 | 12 | 12 | | 203 | |
| | BT 40 | 4 | 120 | 15 | 22 | 16 | 16 | | 204 | |
| | BT 40 | 5 | 120 | 15 | 22 | 20 | 20 | | 205 | |
| | BT 40 | 6 | 120 | 21 | 27 | 36 | 26 | M5 | 206 | |
| | BT 40 | 8 | 120 | 21 | 27 | 36 | 26 | M6 | 208 | |
| | BT 40 | 10 | 120 | 24 | 32 | 41 | 31 | M8x1 | 210 | |
| | BT 40 | 12 | 120 | 24 | 32 | 47 | 37 | M10x1 | 212 | |
| | BT 40 | 14 | 120 | 27 | 34 | 47 | 37 | M10x1 | 214 | |
| | BT 40 | 16 | 120 | 27 | 34 | 50 | 40 | M12x1 | 216 | |
| | BT 40 | 18 | 120 | 33 | 42 | 50 | 40 | M12x1 | 218 | |
| | BT 40 | 20 | 120 | 33 | 42 | 52 | 42 | M16x1 | 220 | |
| | BT 40 | 25 | 120 | 44 | 53 | 58 | 48 | M16x1 | 225 | |
| Extra-long | BT 40 | 3 | 160 | 10 | 20 | 12 | 12 | | 303 | |
| | BT 40 | 4 | 160 | 15 | 22 | 16 | 16 | | 304 | |
| | BT 40 | 5 | 160 | 15 | 22 | 20 | 20 | | 305 | |
| | BT 40 | 6 | 160 | 21 | 27 | 36 | 26 | M5 | 306 | |
| | BT 40 | 8 | 160 | 21 | 27 | 36 | 26 | M6 | 308 | |
| | BT 40 | 10 | 160 | 24 | 32 | 41 | 31 | M8x1 | 310 | |
| | BT 40 | 12 | 160 | 24 | 32 | 47 | 37 | M10x1 | 312 | |
| | BT 40 | 14 | 160 | 27 | 34 | 47 | 37 | M10x1 | 314 | |
| | BT 40 | 16 | 160 | 27 | 34 | 50 | 40 | M12x1 | 316 | |
| | BT 40 | 18 | 160 | 33 | 42 | 50 | 40 | M12x1 | 318 | |
| | BT 40 | 20 | 160 | 33 | 42 | 52 | 42 | M16x1 | 320 | |
| | BT 40 | 25 | 160 | 44 | 53 | 58 | 48 | M16x1 | 325 | |

→ Min. clamping depth, Page 233



Stop screw IK



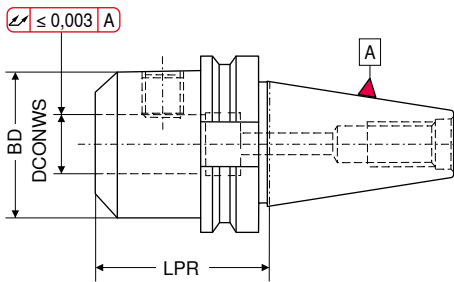
Stop screw IK

Spare parts
DCONWS

| | Article no. 83 950 ... | Article no. 83 950 ... |
|-------|---------------------------|---------------------------|
| 3-5 | M6x14 - SW2 | 417 |
| 6 | | M5x12,5 - SW2,5 |
| 8 | | M6x12,5 - SW3 |
| 10 | | M8x1x13,5 - SW3 |
| 12-14 | | M10x1x13,5 - SW5 |
| 16-18 | | M12x1x13,5 - SW5 |
| 20-25 | | M16x1x13,5 - SW8 |

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000

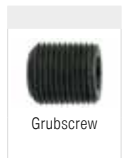


AD
G 2,5 n_{max} 18000



ADde
G 6,3 n_{max} 8000

| | Adapter | DCONWS _{H4} | LPR | BD | Article no. | | | |
|-------------|---------|----------------------|-----|----|-------------|------------|------------|------------|
| | | | | | 81 502 ... | 82 502 ... | 82 501 ... | 82 503 ... |
| | | mm | mm | mm | | | | |
| short | BT 30 | 6 | 50 | 25 | 006 | | | |
| | BT 30 | 8 | 50 | 28 | 008 | | | |
| | BT 30 | 10 | 50 | 35 | 010 | | | |
| | BT 30 | 12 | 50 | 42 | 012 | | | |
| | BT 30 | 14 | 50 | 44 | 014 | | | |
| | BT 30 | 16 | 63 | 48 | 016 | | | |
| | BT 30 | 18 | 63 | 50 | 018 | | | |
| | BT 30 | 20 | 63 | 52 | 020 | | | |
| extra short | BT 40 | 16 | 35 | 48 | | 416 | 416 | 416 |
| | BT 40 | 20 | 35 | 50 | | 420 | 420 | 420 |
| | BT 40 | 25 | 40 | 50 | | 425 | 425 | 425 |
| | BT 40 | 32 | 75 | 72 | | 432 | | 432 |



Spare parts DCONWS_{H4}

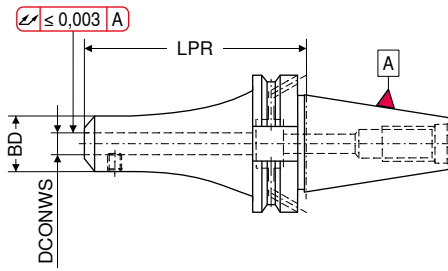
| DCONWS _{H4} | Article no. |
|----------------------|--------------|
| 6 | M6x10 006 |
| 8 | M8x10 008 |
| 10 | M10x12 010 |
| 12 - 14 | M12x16 012 |
| 16 - 18 | M14x16 016 |
| 20 | M16x16 020 |
| 25 | M18x2x20 025 |
| 32 | M20x2x20 032 |

Accessories

| | |
|------------|---------|
| | |
| Pull studs | Others |
| → 91-92 | → 17/34 |

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000



AD/Be
G 6,3 n_{max} 8000

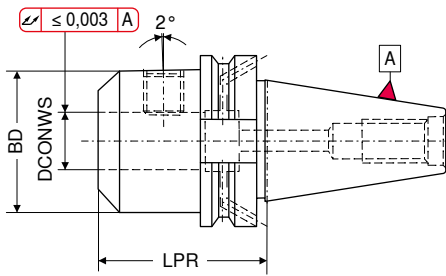


AD/Be
G 2,5 n_{max} 18000

| | Adapter | DCONWS _{H4} | LPR | BD | AD/B | | AD/Be | |
|------------|---------|----------------------|-----|-----|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | | Article no. 82 502 ... | Article no. 82 501 ... | Article no. 82 503 ... | Article no. 82 504 ... |
| | | mm | mm | mm | | | | |
| short | BT 40 | 6 | 50 | 25 | 106 | | | |
| | BT 40 | 8 | 50 | 28 | 108 | | | |
| | BT 40 | 10 | 63 | 35 | 110 | | | |
| | BT 40 | 12 | 63 | 42 | 112 | | | |
| | BT 40 | 14 | 63 | 44 | 114 | | | |
| | BT 40 | 16 | 63 | 48 | 116 | | | |
| | BT 40 | 18 | 63 | 50 | 118 | | | |
| | BT 40 | 20 | 63 | 52 | 120 | | | |
| | BT 40 | 25 | 100 | 65 | 125 | | | |
| | BT 40 | 32 | 100 | 72 | 132 | | | |
| | BT 40 | 40 | 120 | 90 | 140 | | | |
| | BT 50 | 6 | 63 | 25 | 206 | | | |
| | BT 50 | 8 | 63 | 28 | 208 | | | |
| | BT 50 | 10 | 80 | 35 | 210 | | | |
| | BT 50 | 12 | 80 | 42 | 212 | | | |
| | BT 50 | 14 | 80 | 44 | 214 | | | |
| | BT 50 | 16 | 80 | 48 | 216 | | | |
| | BT 50 | 18 | 80 | 50 | 218 | | | |
| | BT 50 | 20 | 80 | 52 | 220 | | | |
| | BT 50 | 25 | 100 | 65 | 225 | | | |
| BT 50 | 32 | 105 | 72 | 232 | | | | |
| BT 50 | 40 | 120 | 90 | 240 | | | | |
| long | BT 40 | 6 | 100 | 25 | 506 | 506 | | |
| | BT 40 | 8 | 100 | 28 | 508 | 508 | | |
| | BT 40 | 10 | 100 | 35 | 510 | 510 | | |
| | BT 40 | 12 | 100 | 42 | 512 | 512 | | |
| | BT 40 | 14 | 100 | 44 | 514 | 514 | | |
| | BT 40 | 16 | 100 | 48 | 516 | 516 | | |
| | BT 40 | 18 | 100 | 50 | 518 | 518 | | |
| | BT 40 | 20 | 100 | 52 | 520 | 520 | | |
| | BT 50 | 6 | 100 | 25 | 706 | | | |
| | BT 50 | 8 | 100 | 28 | 708 | | | |
| | BT 50 | 10 | 100 | 35 | 710 | | | |
| | BT 50 | 12 | 100 | 42 | 712 | | | |
| | BT 50 | 14 | 100 | 44 | 714 | | | |
| | BT 50 | 16 | 100 | 48 | 716 | | | |
| BT 50 | 18 | 100 | 50 | 718 | | | | |
| BT 50 | 20 | 100 | 52 | 720 | | | | |
| BT 50 | 25 | 120 | 65 | 725 | | | | |
| extra-long | BT 40 | 6 | 160 | 25 | 606 | 606 | | |
| | BT 40 | 8 | 160 | 28 | 608 | 608 | | |
| | BT 40 | 10 | 160 | 35 | 610 | 610 | | |
| | BT 40 | 12 | 160 | 42 | 612 | 612 | | |
| | BT 40 | 14 | 160 | 44 | 614 | 614 | | |
| | BT 40 | 16 | 160 | 48 | 616 | 616 | | |
| | BT 40 | 18 | 160 | 50 | 618 | 618 | | |
| | BT 40 | 20 | 160 | 52 | 620 | 620 | | |
| | BT 40 | 25 | 160 | 65 | 625 | 625 | | |
| | BT 50 | 6 | 160 | 25 | 806 | | | |
| | BT 50 | 8 | 160 | 28 | 808 | | | |
| | BT 50 | 10 | 160 | 35 | 810 | | | |
| | BT 50 | 12 | 160 | 42 | 812 | | | |
| | BT 50 | 14 | 160 | 44 | 814 | | | |
| | BT 50 | 16 | 160 | 48 | 816 | | | |
| | BT 50 | 18 | 160 | 50 | 818 | | | |
| | BT 50 | 20 | 160 | 52 | 820 | | | |
| | BT 50 | 25 | 160 | 65 | 825 | | | |
| | BT 50 | 32 | 160 | 72 | 832 | | | |

Cylindrical Shank Adapter (Whistle Notch)

- ▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat
- ▲ The groove in the flat face is a characteristic feature of the Whistle Notch version



AD/B
G 6,3 n_{max} 8000






AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000



| | Adapter | Dimensions | | | Article no. | | | |
|---------------|---------|----------------------------|-----------|----------|-------------|------------|------------|--|
| | | DCONWS _{H4} mm | LPR mm | BD mm | 81 506 ... | 82 506 ... | 82 507 ... | |
| short | BT 40 | 6 | 50 | 25 | 140 | | 106 | |
| | BT 40 | 8 | 50 | 28 | | 108 | 108 | |
| | BT 40 | 10 | 63 | 35 | | 110 | 110 | |
| | BT 40 | 12 | 63 | 42 | | 112 | 112 | |
| | BT 40 | 14 | 63 | 44 | | 114 | 114 | |
| | BT 40 | 16 | 63 | 48 | | 116 | 116 | |
| | BT 40 | 18 | 63 | 50 | | 118 | 118 | |
| | BT 40 | 20 | 63 | 52 | | 120 | 120 | |
| | BT 40 | 25 | 100 | 65 | | 125 | | |
| | BT 40 | 32 | 100 | 72 | | 132 | | |
| | BT 40 | 40 | 120 | 80 | | | | |
| | BT 50 | 6 | 63 | 25 | | | 306 | |
| | BT 50 | 8 | 63 | 28 | | | 308 | |
| | BT 50 | 10 | 80 | 35 | | | 310 | |
| | BT 50 | 12 | 80 | 42 | | | 312 | |
| | BT 50 | 14 | 80 | 44 | | | 314 | |
| | BT 50 | 16 | 80 | 48 | | | 316 | |
| | BT 50 | 18 | 80 | 50 | | | 318 | |
| | BT 50 | 20 | 80 | 52 | | | 320 | |
| | BT 50 | 25 | 100 | 65 | | | 325 | |
| BT 50 | 32 | 105 | 72 | | 332 | | | |
| medium length | BT 40 | 6 | 130 | 25 | | 206 | 206 | |
| | BT 40 | 8 | 130 | 28 | | 208 | 208 | |
| | BT 40 | 10 | 130 | 35 | | 210 | 210 | |
| | BT 40 | 12 | 130 | 42 | | 212 | 212 | |
| | BT 40 | 16 | 130 | 48 | | 216 | 216 | |
| | BT 40 | 20 | 130 | 52 | | 220 | 220 | |
| | BT 40 | 25 | 130 | 65 | | 225 | 225 | |
| | BT 50 | 6 | 130 | 25 | | 406 | | |
| | BT 50 | 8 | 130 | 28 | | 408 | | |
| | BT 50 | 10 | 130 | 35 | | 410 | | |
| | BT 50 | 12 | 130 | 42 | | 412 | | |
| | BT 50 | 16 | 130 | 48 | | 416 | | |
| | BT 50 | 20 | 130 | 52 | | 420 | | |
| | BT 50 | 25 | 130 | 65 | | 425 | | |
| | BT 50 | 32 | 130 | 72 | | 432 | | |

Spare parts cylindrical shank adapters (Whistle Notch)

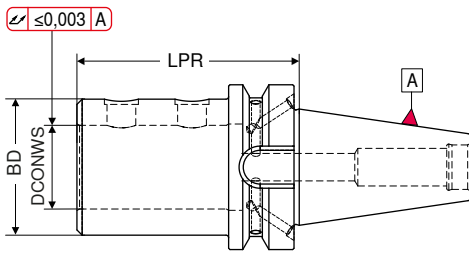
| Spare parts DCONWS _{H4} |  Grubscrew Article no. 62 950 ... | | |  Stop screw IK Article no. 81 950 ... | |  Stop screw IK Article no. 83 950 ... | |
|-------------------------------------|--|-------|------------|--|--------|--|-----|
| | 6 | M6x10 | 006 | | | M5x35 | 033 |
| 8 | M8x10 | 008 | | | M6x35 | 034 | |
| 10 | M10x12 | 010 | | | M8x35 | 035 | |
| 12 - 14 | M12x16 | 012 | | | M10x35 | 036 | |
| 16 - 18 | M14x16 | 016 | | | M12x40 | 037 | |
| 20 | M16x16 | 020 | | | M16x45 | 272 | |
| 25 | M18x2x20 | 025 | | | M20x35 | 290 | |
| 32 | M20x2x20 | 032 | | | M20x35 | 290 | |
| 40 | M20x2x20 | 032 | M22x1,5x15 | 057 | | | |

i Stop screw 81 950 ... only use for Article 81 506 ...!

Accessories

| | |
|---|---|
|  |  |
| Pull studs | Others |
| → 91-92 | → 17/34 |

Indexable insert drill adapter JIS B 6339 MAS-BT

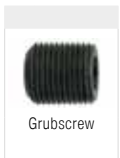


AD/B
G 6,3 n_{max} 15000

Article no.
10 841 ...

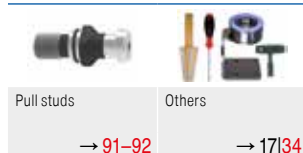
| Adapter | DCONWS | LPR | BD | |
|---------|--------|-----|----|-----|
| | mm | mm | mm | |
| BT 40 | 20 | 75 | 40 | 120 |
| BT 40 | 25 | 80 | 45 | 125 |
| BT 40 | 32 | 85 | 52 | 132 |
| BT 50 | 20 | 85 | 40 | 220 |
| BT 50 | 25 | 90 | 45 | 225 |
| BT 50 | 32 | 95 | 52 | 232 |
| BT 50 | 40 | 105 | 65 | 240 |
| BT 50 | 50 | 113 | 75 | 250 |

i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**



| Spare parts | | Article no. |
|-------------|----------|-------------|
| DCONWS | | 10 950 ... |
| 20 | M10x1x10 | 001 |
| 25 - 32 | M12x1x10 | 002 |
| 40 - 50 | M16x1x12 | 003 |

Accessories



Pull studs

Others

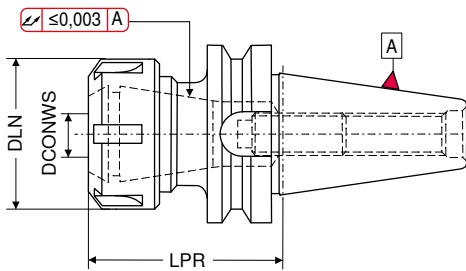
→ 91-92

→ 17|34

ER-Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



AD
G 6,3 n_{max} 12000



AD/B
G 6,3 n_{max} 12000



AD
G 6,3 n_{max} 8000



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

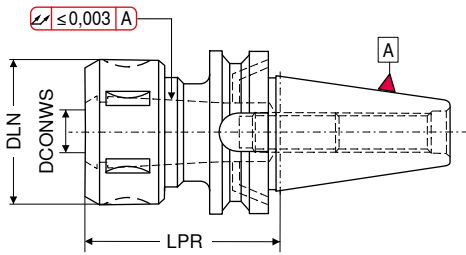
| | Adapter | DCONWS mm | LPR mm | DLN mm | TQX Nm | for collet | Article no. | Article no. | Article no. | Article no. | Article no. | |
|------------|---------|--------------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | | | | | | | 81 508 ... | 81 508 ... | 82 508 ... | 82 508 ... | 82 509 ... | |
| short | BT 30 | 1 - 10 | 70 | 28 | 8 - 56 | 426E (ER16) | 010 | | | | | |
| | BT 30 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | 016 | | | | | |
| | BT 30 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | 020 | | | | | |
| | BT 40 | 1 - 10 | 60 | 32 | 8 - 56 | 426E (ER16) | | | | 110 | 110 | |
| | BT 40 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | | | | 116 | 116 | |
| | BT 40 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | | | | 120 | 120 | |
| | BT 40 | 3 - 26 | 70 | 63 | 176 | 472E (ER40) | | | | 126 | 126 | |
| | BT 50 | 1 - 10 | 75 | 32 | 8 - 56 | 426E (ER16) | | | 910 | | | |
| | BT 50 | 1 - 16 | 75 | 42 | 24 - 104 | 430E (ER25) | | | 916 | | | |
| | BT 50 | 2 - 20 | 75 | 50 | 24 - 136 | 470E (ER32) | | | 220 | | | |
| | BT 50 | 4 - 26 | 75 | 63 | 176 | 472E (ER40) | | | 226 | | | |
| | long | BT 30 | 1 - 10 | 100 | 28 | 8 - 56 | 426E (ER16) | 210 | | | | |
| BT 30 | | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | 216 | | | | | |
| BT 40 | | 1 - 10 | 120 | 32 | 8 - 56 | 426E (ER16) | | | | 410 | 410 | |
| BT 40 | | 1 - 16 | 120 | 42 | 24 - 104 | 430E (ER25) | | | | 416 | 416 | |
| BT 40 | | 2 - 20 | 120 | 50 | 24 - 136 | 470E (ER32) | | | | 420 | 420 | |
| BT 40 | | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | | 426 | | | | |
| BT 50 | | 1 - 10 | 100 | 32 | 8 - 56 | 426E (ER16) | | | 510 | | | |
| BT 50 | | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | | | 516 | | | |
| BT 50 | | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | | | 520 | | | |
| BT 50 | | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | | | 526 | | | |
| extra-long | | BT 40 | 1 - 10 | 160 | 28 | 8 - 56 | 426E (ER16) | | 510 | | | |
| | | BT 40 | 1 - 16 | 160 | 42 | 24 - 104 | 430E (ER25) | | 516 | | | |
| | BT 40 | 2 - 20 | 160 | 50 | 24 - 136 | 470E (ER32) | | 520 | | | | |
| | BT 40 | 3 - 26 | 160 | 63 | 176 | 472E (ER40) | | 526 | | | | |
| | BT 50 | 1 - 16 | 160 | 42 | 24 - 104 | 430E (ER25) | | | 616 | | | |
| | BT 50 | 2 - 20 | 160 | 50 | 24 - 136 | 470E (ER32) | | | 620 | | | |

| | Lock nut | Lock nut IK | Lock nut | Y clamping key | Stop screw IK | Stop screw IK |
|--------------------------|------------|-------------|------------|----------------|---------------|---------------|
| Article no. | 62 950 ... | 83 950 ... | 62 950 ... | 83 357 ... | 81 950 ... | 83 950 ... |
| for collet | 044 | 055 | 054 | 116 | 053 | 010 |
| 426E (ER16) / BT30-BT50 | | 055 | 055 | 125 | 054 | |
| 430E (ER25) / BT30 | | 056 | 056 | 132 | 053 | |
| 430E (ER25) / BT40, BT50 | | 056 | 056 | 132 | 057 | 010 |
| 470E (ER32) / BT30 | | 057 | 057 | 140 | 057 | 011 |
| 470E (ER32) / BT40, BT50 | | | | | | |
| 472E (ER40) / BT30-BT50 | | | | | | |

i Backstop screw 81 950... and nut 62 950 044 for use with article 81 508...!

OZ-Collet chuck

▲ Clamping nut with ball bearings



AD
G 6,3 n_{max} 12000



AD
G 6,3 n_{max} 8000



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

| | Adapter | DCONWS mm | LPR mm | DLN mm | TQX Nm | for collet | Article no. 81 512 ... | Article no. 82 505 ... | Article no. 82 505 ... | Article no. 82 512 ... |
|-------|---------|--------------|-----------|-----------|-----------|-------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | | | | 025 035 | | | |
| short | BT 30 | 2 - 16 | 60 | 43 | 24 - 104 | 415E / 421E | | | | |
| | BT 30 | 2 - 25 | 80 | 60 | 24 - 176 | 459E / 462E | | | | |
| | BT 40 | 2 - 16 | 70 | 43 | 80 - 90 | 415E / 421E | | | 116 | 116 |
| | BT 40 | 2 - 25 | 70 | 60 | 90 - 100 | 459E / 462E | | | 125 | 125 |
| long | BT 50 | 2 - 25 | 90 | 60 | 90 - 100 | 459E / 462E | | 325 | | |
| | BT 50 | 4 - 32 | 100 | 72 | 110 - 120 | 460E / 467E | | 332 | | |
| | BT 40 | 2 - 16 | 120 | 43 | 80 - 90 | 415E / 421E | | | 416 | 416 |
| | BT 40 | 2 - 25 | 120 | 60 | 90 - 100 | 459E / 462E | | | 425 | 425 |
| long | BT 50 | 2 - 25 | 120 | 60 | 90 - 100 | 459E / 462E | | 525 | | |
| | BT 50 | 4 - 32 | 120 | 72 | 110 - 120 | 460E / 467E | | 532 | | |



Lock nut



Hook clamping key



Stop screw IK



Stop screw IK

Spare parts

for collet

| | Article no. 62 950 ... | Article no. 83 354 ... | Article no. 81 950 ... | Article no. 83 950 ... |
|-------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 415E / 421E | | 116 | M16x15 | 055 |
| 415E / 421E | 050 | 116 | | M10x50 |
| 459E / 462E | 051 | 125 | | M10x50 |
| 459E / 462E | | 125 | M16x15 | 055 |
| 460E / 467E | 052 | 132 | | M10x50 |

i Spare part 81 950 ... only use for article 81 512 ...!

Accessories

| | | |
|-------|---------|---------|
| | | |
| → 218 | → 91-92 | → 17 34 |

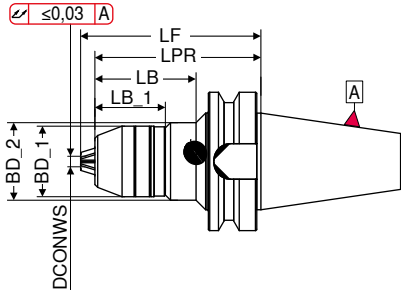
Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:

Toolholder including clamping key SW4

**NC
2010**



A
G 6,3 n_{max} 10000



AD
G 6,3 n_{max} 10000



AD/B
G 6,3 n_{max} 10000

| Adapter | DCONWS | BD_1 | BD_2 | LB_1 | LB | LPR | LF | Article no. | | |
|---------|----------|------|------|------|----|-----|-------|-------------|------------|------------|
| | | | | | | | | 84 509 ... | 84 510 ... | 84 511 ... |
| BT 40 | 0,5 - 13 | 48,5 | | 50,9 | | 80 | 89,0 | 413 | 413 | |
| BT 40 | 0,5 - 13 | 48,5 | | 50,9 | | 90 | 99,0 | | | 413 |
| BT 40 | 2,5 - 16 | 51,0 | | 50,9 | | 80 | 90,5 | 416 | 416 | |
| BT 50 | 2,5 - 16 | 51,0 | 56 | 50,9 | 73 | 120 | 130,5 | 516 | 516 | |

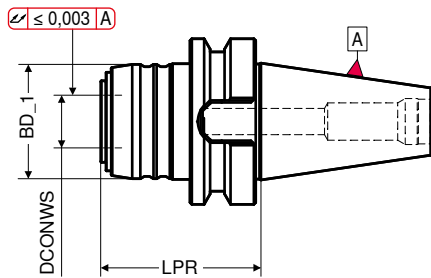
Accessories

| | |
|------------|---------|
| | |
| Pull studs | Others |
| → 91-92 | → 17/34 |

i Can be used with G 2.5 to 30,000 1/min by subsequent balancing !

Synchro tapping chuck with minimum length compensation

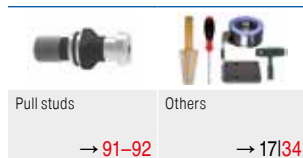
- ▲ For collets according to DIN 6499
- ▲ With length compensation under tension 1,0 mm and under compression 0,2 mm (LZD)
- ▲ $p_{max} = 50$ bar
- ▲ For synchro use



AD

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LZD± | Article no. | |
|---------|---------------|------|-----|------|--------|-----------|-------------|-----|
| | | | | | | | mm | mm |
| BT 40 | M3 - M12 | 1 | 61 | 43 | 20 | 1,0 / 0,2 | 83 515 ... | 012 |
| BT 40 | M6 - M20 | 2 | 82 | 60 | 32 | 1,0 / 0,2 | | 020 |
| BT 50 | M3 - M12 | 1 | 72 | 43 | 20 | 1,0 / 0,2 | | 112 |
| BT 50 | M6 - M20 | 2 | 93 | 60 | 32 | 1,0 / 0,2 | | 120 |

Accessories



Pull studs

Others

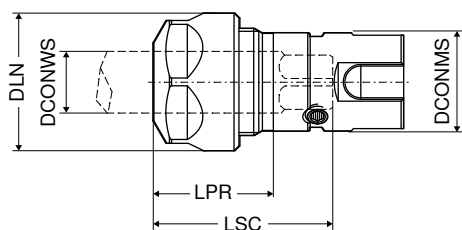
→ 91-92

→ 17|34

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:





Includes lock nut



AD

| SZID | DCONWS | cutting range | LPR | DLN | LSC | for collet | DCONMS | Article no. | |
|------|--------|---------------|-----|-----|-----|-------------|--------|-------------|-----|
| | | | | | | | | mm | mm |
| 1 | 2 - 10 | M3 - M12 | 24 | 28 | 42 | 426E (ER16) | 20 | 83 608 ... | 012 |
| 2 | 2 - 16 | M6 - M20 | 28 | 42 | 59 | 430E (ER25) | 32 | | 020 |

Spare parts for synchronous tapping chucks

| |  |  |  |  |
|------------------------|---|--|---|---|
| | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 357 ... |
| Spare parts | | | | |
| for Article no. | | | | |
| 83 608 012 | M22x1,5 - SW25 | M22x1,5 | M32x1,5 | |
| 83 608 020 | 044 | 054 055 | 055 | 116 125 |

Accessories

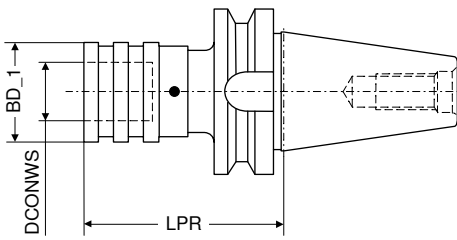


ER collet

→ [212](#), [214-215](#)

Quick change tap chuck with length compensation

▲ With length compensation under tension and compression (LZD)

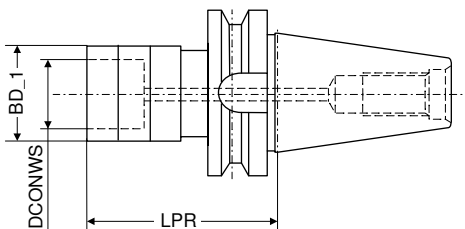


A

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LZD± | Article no. |
|---------|---------------|------|-----|------|--------|------|-------------|
| | | | | | | | 83 528 ... |
| | | | | | | | |
| BT 30 | M3 - M12 | 01 | 63 | 38 | 19 | 9 | 312 |
| BT 30 | M6 - M20 | 02 | 96 | 55 | 31 | 15 | 320 |
| BT 40 | M3 - M12 | 01 | 68 | 38 | 19 | 9 | 412 |
| BT 40 | M6 - M20 | 02 | 93 | 55 | 31 | 15 | 420 |
| BT 50 | M3 - M12 | 01 | 80 | 38 | 19 | 9 | 512 |
| BT 50 | M6 - M20 | 02 | 102 | 55 | 31 | 15 | 520 |

Quick change tap chuck without length compensation

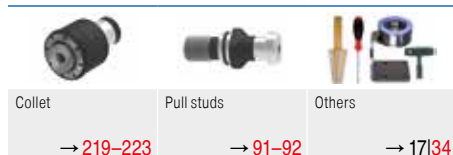
▲ Without length compensation under tension and compression (LZD)



AD

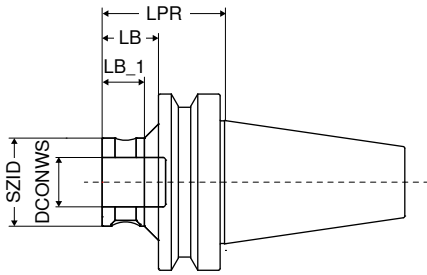
| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | Article no. |
|---------|---------------|------|-----|------|--------|-------------|
| | | | | | | 83 525 ... |
| | | | | | | |
| BT 40 | M3 - M12 | 01 | 67 | 33 | 19 | 412 |
| BT 40 | M6 - M20 | 02 | 90 | 50 | 31 | 420 |
| BT 50 | M3 - M12 | 01 | 78 | 33 | 19 | 512 |
| BT 50 | M6 - M20 | 02 | 101 | 50 | 31 | 520 |

Accessories



Adapter with ABS Connection

ABS



AD

NEW

Article no.
84 202 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | LB_1 | |
|---------|-----------|--------|--------|-----|----|------|-------|
| | | | mm | mm | mm | mm | |
| BT 40 | A5500150 | ABS 50 | 28 | 60 | 33 | | 04097 |
| BT 50 | A5500350 | ABS 50 | 28 | 70 | 32 | 24 | 05097 |

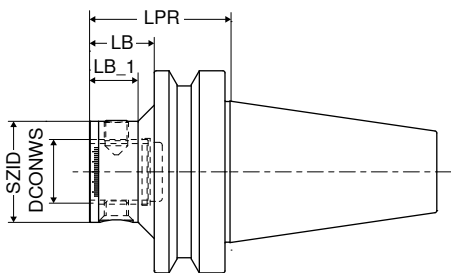
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 205 ...

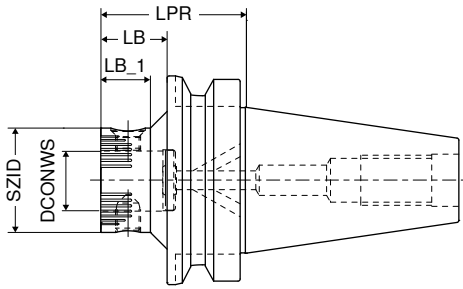
| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | LB_1 | |
|---------|-----------|--------|--------|-----|----|------|-------|
| | | | mm | mm | mm | mm | |
| BT 40 | A5556150 | ABS 50 | 28 | 60 | 33 | | 04097 |
| BT 50 | A5556350 | ABS 50 | 28 | 70 | 32 | 24 | 05097 |

Torsional vibration dampers with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 208 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | LB_1 | |
|---------|-----------|--------|--------|-----|----|------|-------|
| | | | mm | mm | mm | mm | |
| BT 40 | A5502150 | ABS 50 | 28 | 60 | 33 | | 04097 |
| BT 50 | A5502350 | ABS 50 | 28 | 70 | 32 | 24 | 05097 |

**Spare parts
SZID**

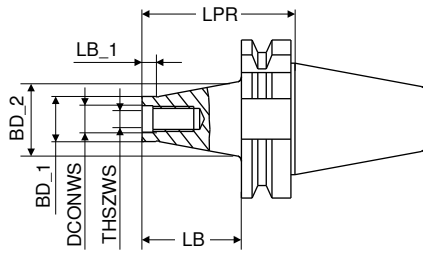
ABS 50

| | | |
|---------------------------|---------------------------|---------------------------|
| | | |
| Clamping screw | Taper screw | Set |
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
| 20300 | 20400 | 99800 |

Accessories

| | | |
|------------|-----------|---------|
| | | |
| Pull studs | Extension | Others |
| → 91-92 | → 17 27 | → 17 34 |

Adapter for milling cutters with threaded end



AD
G 6,3 n_{max} 18000

Article no.
56 711 ...

| Adapter | THSZWS | DCONWS | LB | BD_1 | BD_2 | LB_1 | LPR | |
|---------|--------|--------|-----|------|------|------|-----|-----|
| | | mm | mm | mm | mm | mm | mm | |
| BT 40 | M8 | 8,5 | 25 | 13,8 | 15 | 12 | 52 | 081 |
| BT 40 | M8 | 8,5 | 50 | 13,8 | 23 | 12 | 77 | 082 |
| BT 40 | M8 | 8,5 | 75 | 13,8 | 25 | 12 | 102 | 083 |
| BT 40 | M10 | 10,5 | 25 | 18,0 | 23 | 12 | 52 | 101 |
| BT 40 | M10 | 10,5 | 50 | 18,0 | 25 | 12 | 77 | 102 |
| BT 40 | M10 | 10,5 | 75 | 18,0 | 30 | 12 | 102 | 103 |
| BT 40 | M12 | 12,5 | 25 | 21,0 | 24 | 12 | 52 | 121 |
| BT 40 | M12 | 12,5 | 50 | 21,0 | 30 | 12 | 77 | 122 |
| BT 40 | M12 | 12,5 | 75 | 21,0 | 35 | 12 | 102 | 123 |
| BT 40 | M12 | 12,5 | 100 | 21,0 | 38 | 12 | 127 | 124 |
| BT 40 | M16 | 17,0 | 25 | 29,0 | 29 | 12 | 52 | 161 |
| BT 40 | M16 | 17,0 | 50 | 29,0 | 34 | 12 | 77 | 162 |
| BT 40 | M16 | 17,0 | 75 | 29,0 | 35 | 12 | 102 | 163 |
| BT 40 | M16 | 17,0 | 100 | 29,0 | 40 | 12 | 127 | 164 |

Accessories

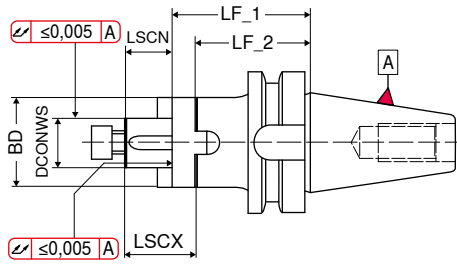
| | | |
|------------------------------------|-----------------------|-------------------|
| | | |
| Extension-Reduction set → 17 19 | Pull studs → 91-92 | Others → 17 34 |

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

Toolholder with retaining screw, driving ring and dowel spring



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

| | Adapter | DCONWS | LF_1 | BD | LSCX | LSCN | LF_2 | Article no. | | |
|-------|---------|--------|------|----|------|------|------|-------------------|-------------------|--|
| | | | | | | | | 81 516 ... | 82 516 ... | |
| short | BT 30 | 16 | 45 | 32 | 27 | 17 | 35 | 016 ¹⁾ | | |
| | BT 30 | 22 | 47 | 40 | 31 | 19 | 35 | 022 ¹⁾ | | |
| | BT 30 | 27 | 49 | 46 | 33 | 21 | 37 | 027 ¹⁾ | | |
| | BT 40 | 16 | 55 | 32 | 27 | 17 | 45 | | 116 | |
| | BT 40 | 22 | 55 | 40 | 31 | 19 | 43 | | 122 | |
| | BT 40 | 27 | 55 | 48 | 33 | 21 | 43 | | 127 | |
| | BT 40 | 32 | 60 | 58 | 38 | 24 | 46 | | 132 | |
| | BT 40 | 40 | 60 | 70 | 41 | 27 | 46 | | 140 ¹⁾ | |
| | BT 50 | 16 | 70 | 32 | 27 | 17 | 60 | | 216 | |
| | BT 50 | 22 | 70 | 40 | 31 | 19 | 58 | | 222 | |
| | BT 50 | 27 | 70 | 48 | 33 | 21 | 58 | | 227 | |
| | BT 50 | 32 | 70 | 58 | 38 | 24 | 56 | | 232 | |
| | BT 50 | 40 | 70 | 70 | 41 | 27 | 56 | | 240 ¹⁾ | |
| | long | BT 30 | 16 | 80 | 32 | 27 | 17 | 70 | 916 ¹⁾ | |
| | | BT 30 | 22 | 80 | 40 | 31 | 19 | 68 | 922 ¹⁾ | |
| BT 30 | | 27 | 90 | 48 | 33 | 21 | 78 | 927 ¹⁾ | | |
| BT 40 | | 16 | 100 | 32 | 27 | 17 | 90 | 216 | | |
| BT 40 | | 22 | 100 | 40 | 31 | 19 | 88 | 222 | | |
| BT 40 | | 27 | 100 | 48 | 33 | 21 | 88 | 227 | | |
| BT 40 | | 32 | 100 | 58 | 38 | 24 | 86 | 232 | | |
| BT 40 | | 40 | 100 | 70 | 41 | 27 | 86 | 240 | | |

1) With cross screw

| | Parallel key | Drive ring | Cross nut key | Retaining screw | Clamping screw |
|--------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Spare parts | Article no. 83 950 ... | Article no. 83 370 ... | Article no. 83 368 ... | Article no. 83 367 ... | Article no. 83 950 ... |
| DCONWS | | | | | |
| 16 | 284 | 116 | 116 | 016 | 113 |
| 22 | 285 | 122 | 122 | 022 | 124 |
| 27 | 286 | 127 | 127 | 027 | 125 |
| 32 | 287 | 132 | 132 | 032 | 126 |
| 40 | 288 | 140 | 140 | 040 | 112 |

Accessories

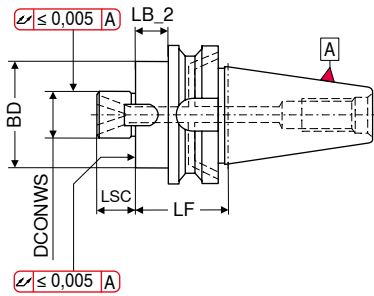
| | | |
|------------|-----------------------|---------|
| | | |
| Pull studs | Milling Adapter Rings | Others |
| → 91-92 | → 17 28 | → 17 34 |

Shell mill adapter

▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse groove

Scope of supply:

Toolholder with retaining screw



A
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000



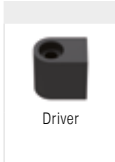



AD/B
G 6,3 n_{max} 8000




| | Adapter | DCONWS | LB_2 | LF | BD | LSC | Article no. | | |
|---------------|---------|--------|------|-----|----|-----|--|-------------------|-------------------|
| | | | | | | | 81 514 ... | 82 514 ... | 82 514 ... |
| short | BT 30 | 16 | 18 | 40 | 38 | 17 | 016 ²⁾ 022 ²⁾ 027 ²⁾ 032 ²⁾ | | |
| | BT 30 | 22 | 18 | 40 | 48 | 19 | | | |
| | BT 30 | 27 | 18 | 40 | 58 | 21 | | | |
| | BT 30 | 32 | 28 | 50 | 78 | 24 | | | |
| | BT 40 | 16 | 25 | 52 | 38 | 17 | | | 116 |
| | BT 40 | 22 | 25 | 52 | 48 | 19 | | | 122 |
| | BT 40 | 27 | 25 | 52 | 58 | 21 | | | 127 |
| | BT 40 | 32 | 23 | 50 | 78 | 24 | | | 132 |
| | BT 40 | 40 | 23 | 50 | 88 | 27 | | | 140 ¹⁾ |
| | BT 50 | 16 | 25 | 63 | 38 | 17 | | | |
| | BT 50 | 22 | 25 | 63 | 48 | 19 | | 316 | |
| | BT 50 | 27 | 25 | 63 | 58 | 21 | | 322 | |
| | BT 50 | 32 | 22 | 60 | 78 | 24 | | 327 | |
| | BT 50 | 40 | 22 | 60 | 88 | 27 | | 332 | |
| | | | | | | | | 340 ¹⁾ | |
| long | BT 40 | 16 | 73 | 100 | 38 | 17 | | | 416 |
| | BT 40 | 22 | 73 | 100 | 48 | 19 | | | 422 |
| | BT 40 | 27 | 73 | 100 | 58 | 21 | | | 427 |
| | BT 40 | 32 | 73 | 100 | 78 | 24 | | | 432 |
| | BT 40 | 40 | 73 | 100 | 88 | 27 | | | 440 ¹⁾ |
| | BT 50 | 16 | 62 | 100 | 38 | 17 | | | |
| | BT 50 | 22 | 62 | 100 | 48 | 19 | | 616 | |
| | BT 50 | 27 | 62 | 100 | 58 | 21 | | 622 | |
| | BT 50 | 32 | 62 | 100 | 78 | 24 | | 627 | |
| | BT 50 | 40 | 62 | 100 | 88 | 27 | | 632 | |
| | | | | | | | 640 ¹⁾ | | |
| medium length | BT 40 | 16 | 103 | 130 | 38 | 17 | | | 816 |
| | BT 40 | 22 | 103 | 130 | 48 | 19 | | | 822 |
| | BT 40 | 27 | 103 | 130 | 58 | 21 | | | 827 |
| | BT 40 | 32 | 103 | 130 | 78 | 24 | | | 832 |
| | BT 40 | 40 | 103 | 130 | 88 | 27 | | | 840 ¹⁾ |
| | BT 50 | 16 | 92 | 130 | 38 | 17 | | | |
| | BT 50 | 22 | 92 | 130 | 48 | 19 | | 916 | |
| | BT 50 | 27 | 92 | 130 | 58 | 21 | | 922 | |
| | BT 50 | 32 | 92 | 130 | 78 | 24 | | 927 | |
| | BT 50 | 40 | 92 | 130 | 88 | 27 | | 932 | |
| | | | | | | | 940 ¹⁾ | | |
| extra-long | BT 40 | 16 | 133 | 160 | 38 | 17 | | | 516 |
| | BT 40 | 22 | 133 | 160 | 48 | 19 | | | 522 |
| | BT 40 | 27 | 133 | 160 | 58 | 21 | | | 527 |
| | BT 40 | 32 | 133 | 160 | 78 | 24 | | | 532 |
| | BT 40 | 40 | 133 | 160 | 88 | 27 | | | 540 ¹⁾ |
| | BT 50 | 16 | 122 | 160 | 38 | 17 | | | |
| | BT 50 | 22 | 122 | 160 | 48 | 19 | | 716 | |
| | BT 50 | 27 | 122 | 160 | 58 | 21 | | 722 | |
| | BT 50 | 32 | 122 | 160 | 78 | 24 | | 727 | |
| | BT 50 | 40 | 122 | 160 | 88 | 27 | | 732 | |
| | | | | | | | 740 ¹⁾ | | |


1) With cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

2) With cross screw

Spare parts facemill adapters

| | |  |  |  |  |
|--------------------|----------------|---|---|---|---|
| Spare parts DCONWS | | Article no. 83 950 ... | Article no. 83 368 ... | Article no. 83 367 ... | Article no. 83 950 ... |
| 16 | 8x9x17,5 | 120 | 116 | M8 | 016 |
| 22 | 10x11x20,5 | 121 | 122 | M10 | 022 |
| 27 | 12x13x24,3 | 122 | 127 | M12 | 027 |
| 32 | 14x21x21,2 | 123 | 132 | M16 | 032 |
| 40 | 15,9x16,3x19,5 | 295 | 140 | M20 | 040 |
| | | | | | M8x25 |
| | | | | | M10x25 |
| | | | | | M12x30 |
| | | | | | M16x35 |
| | | | | | M20x40 |

| | |  |  |  |
|--------|----------|---|---|---|
| DCONWS | | Article no. 81 950 ... | Article no. 81 950 ... | Article no. 83 950 ... |
| 16 | 8x8x14 | 001 | M3x8 | 010 |
| 22 | 10x10x17 | 002 | M4x8 | 011 |
| 27 | 12x14x20 | 003 | M4x14 | 012 |
| 32 | 14x14x22 | 004 | M5x13 | 013 |
| 40 | | | | 013 |
| | | | | M3x8 |
| | | | | M4x12 |
| | | | | M5x12 |
| | | | | M5x20 |
| | | | | M6x16 |

 Spare part 81 950 ... only use for article 81 514 ...!

Accessories

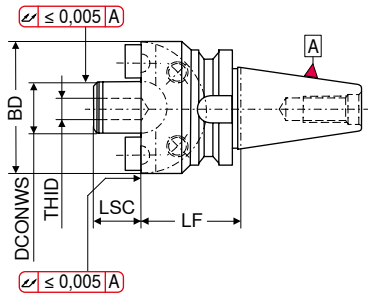
|  |  |  |
|---|---|---|
| Pull studs | Extensions | Others |
| → 91-92 | → 17 26 | → 17 34 |

Large diameter facemill adapter

▲ For milling cutters with keyway or drive slot DIN 6357

Scope of supply:

Holder with integrated drive dogs according to DIN 2079 and 4 fixation screws

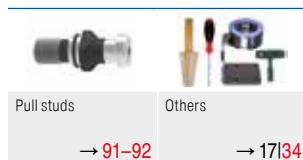


A

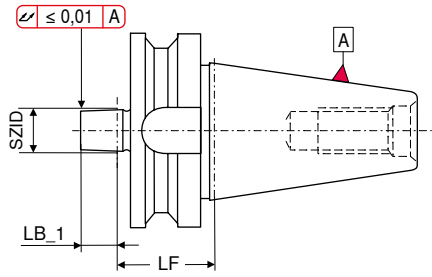
| Adapter | DCONWS | LF | BD | LSC | THID | Article no. 82 519 ... |
|---------|--------|----|-----|-----|------|---------------------------|
| | mm | mm | mm | mm | | |
| BT 50 | 40 | 70 | 89 | 30 | M20 | 240 |
| BT 50 | 60 | 80 | 129 | 40 | M30 | 260 |

| Spare parts | Article no. | Article no. | Article no. | Article no. | | |
|-------------|-------------|-------------|----------------|-------------|--------|-----|
| DCONWS | 83 950 ... | 83 950 ... | 70 950 ... | 83 950 ... | | |
| 40 | M6x16 | 138 | 15,9x16,3x19,5 | 295 | M12x50 | 140 |
| 60 | | | 25,4x16,3x26,5 | 298 | M16x45 | 160 |
| | | | M12x30 | 181 | | |

Accessories



Drill chuck adapter



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

| Adapter | SZID | LF | LB_1 |
|---------|------|----|------|
| | | mm | mm |
| BT 30 | B12 | 25 | 18,5 |
| BT 30 | B16 | 25 | 24,0 |
| BT 40 | B12 | 40 | 18,5 |
| BT 40 | B16 | 40 | 24,0 |
| BT 40 | B18 | 32 | 32,0 |
| BT 50 | B16 | 50 | 24,0 |
| BT 50 | B18 | 50 | 32,0 |

Article no.
81 513 ...

Article no.
82 513 ...

012
016

118

112
116

216
218

Spare parts SZID

B12
B16
B18



Article no.
83 636 ...

Article no.
83 636 ...

0 - 8 mm
1 - 13 mm

0 - 10 mm
3 - 16 mm
3 - 16 mm

Accessories

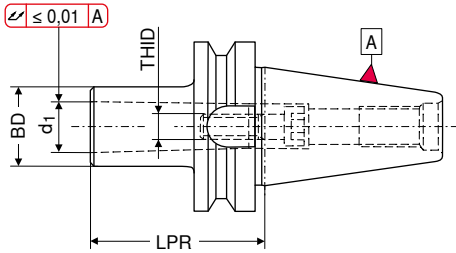
| | |
|---|---|
|  |  |
| Pull studs | Others |
| → 91-92 | → 17/34 |



Milling sleeve adapters DIN 6364 for DIN 228-2C Morse taper shanks with thread

Scope of supply:

Holder with retaining screw



AD
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000

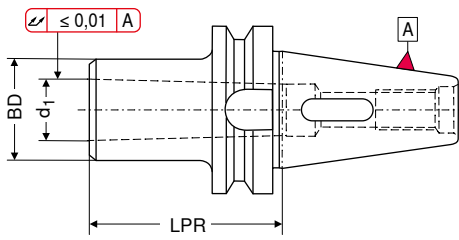
| | Adapter | d ₁ | LPR | BD | THID | Article no. 81 527 ... | Article no. 82 527 ... |
|-------|---------|----------------|-----|----|------|---------------------------------|---------------------------|
| | | | mm | mm | | | |
| short | BT 40 | MK1 | 50 | 25 | M6 | 010 020 | 030 040 |
| | BT 40 | MK2 | 50 | 32 | M10 | | |
| | BT 40 | MK3 | 70 | 40 | M12 | | |
| | BT 40 | MK4 | 95 | 48 | M16 | | |
| | BT 50 | MK1 | 45 | 25 | M6 | 210 220 230 240 250 | |
| | BT 50 | MK2 | 60 | 32 | M10 | | |
| | BT 50 | MK3 | 65 | 40 | M12 | | |
| | BT 50 | MK4 | 95 | 48 | M16 | | |
| | BT 50 | MK5 | 118 | 63 | M20 | | |

i Disassembly instructions can be found in → **Chapter 17, Accessories.**

| Spare parts | Counterscrew | Hollow key with nose | Fixing ring | Fixing ring |
|-----------------|------------------------|------------------------|------------------------|------------------------|
| for Article no. | Article no. 83 950 ... | Article no. 83 359 ... | Article no. 81 950 ... | Article no. 83 950 ... |
| 81 527 010 | | | M16x10 | 150 |
| 81 527 020 | | | M16x8 | 151 |
| 82 527 030 | M5x6 | 030 | 17 x 117 | 017 |
| 82 527 040 | M5x6 | 030 | 23 x 145 | 023 |
| 82 527 210 | M5x8 | 031 | 20 x 135 | 020 |
| 82 527 220 | M5x8 | 031 | 20 x 135 | 020 |
| 82 527 230 | M5x8 | 031 | 17 x 117 | 017 |
| 82 527 240 | M5x8 | 031 | 23 x 145 | 023 |
| 82 527 250 | M5x8 | 031 | 33 x 175 | 033 |
| | | | M20x1,5x10x13 | 269 |
| | | | M26x1,5x17 | 270 |
| | | | M24x10x6,5 | 266 |
| | | | M24x10x10,5 | 268 |
| | | | M20x1,5x10x13 | 269 |
| | | | M26x1,5x17 | 270 |
| | | | M36x1,5x21 | 271 |

| Spare parts | Morse taper clamping screw | Clamping Screw | Counterscrew |
|-----------------|----------------------------|------------------------|------------------------|
| for Article no. | Article no. 83 950 ... | Article no. 81 950 ... | Article no. 81 950 ... |
| 81 527 010 | | M6x39 | 140 |
| 81 527 020 | | M10x30 | 141 |
| 82 527 030 | M12x35 | 018 | M5x6 |
| 82 527 040 | M16x40 | 019 | M5x6 |
| 82 527 210 | M6x30 | 260 | |
| 82 527 220 | M10x30 | 017 | |
| 82 527 230 | M12x35 | 018 | |
| 82 527 240 | M16x40 | 019 | |
| 82 527 250 | M20x50 | 262 | |

Taper sleeve adapter DIN6383 for DIN 228-2D Morse taper shanks



AD
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000

| Adapter | d ₁ | LPR | BD | Article no. | |
|---------|----------------|-----|----|-------------|------------|
| | | | | 81 525 ... | 82 525 ... |
| | | mm | mm | | |
| BT 30 | MK1 | 45 | 25 | 010 | |
| BT 30 | MK2 | 60 | 32 | 020 | |
| BT 30 | MK3 | 75 | 40 | 030 | |
| BT 40 | MK1 | 50 | 25 | | 110 |
| BT 40 | MK2 | 50 | 32 | | 120 |
| BT 40 | MK3 | 70 | 40 | | 130 |
| BT 40 | MK4 | 95 | 48 | | 140 |
| BT 50 | MK1 | 45 | 25 | | 210 |
| BT 50 | MK2 | 60 | 32 | | 220 |
| BT 50 | MK3 | 65 | 40 | | 230 |
| BT 50 | MK4 | 95 | 48 | | 240 |
| BT 50 | MK5 | 105 | 63 | | 250 |

Accessories

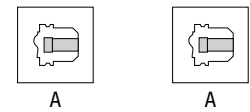
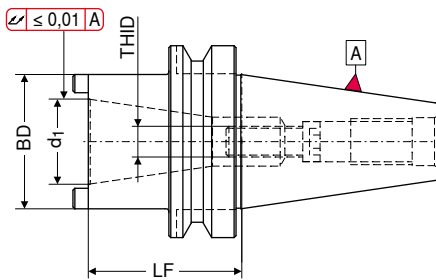
| | | |
|--------------------------------------|-----------------------|-------------------|
| | | |
| Morse taper adapter sleeve → 17 4 | Pull studs → 91-92 | Others → 17 34 |

Milling adapter sleeve

- ▲ For mounting tool holders according to DIN 2080
- ▲ With an extended retaining screw also tool holders according to DIN 69871, MAS-BT and ANSI-CAT can be clamped

Scope of supply:

Holder with clamping screw for DIN 2080 adapters



| Adapter | d ₁ | LF | BD | THID | Article no. 81 518 ... | Article no. 82 518 ... |
|---------|----------------|-----|----|------|---------------------------|---------------------------|
| | | mm | mm | | | |
| BT 40 | SK 30 | 60 | 51 | M12 | 106 | |
| BT 40 | SK 40 | 100 | 63 | M16 | 110 | |
| BT 50 | SK 40 | 80 | 70 | M16 | | 250 |

Spare parts

for Article no.

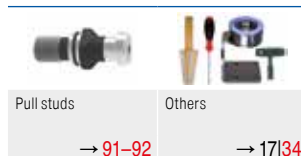
| | Clamping screw SK | Clamping Screw | Counterscrew | Hollow key with nose | Fixing ring |
|------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 83 950 ... | Article no. 81 950 ... | Article no. 81 950 ... | Article no. 83 359 ... | Article no. 81 950 ... |
| 81 518 106 | | 160 | 033 | 017 | 170 |
| 81 518 110 | | 161 | 033 | 023 | 171 |
| 82 518 250 | 009 | | | | |

Required screw length when retracting of DIN 69871, MAS-BT or DIN 2080 shanks

| MAS-BT Suitable for article no.: | Taper Shank | Clamping screw length | Clamping screw length |
|-------------------------------------|------------------|---------------------------|-----------------------|
| | Ø d ₁ | DIN 69871, MAS-BT THID | DIN 2080 THID |
| 81 518 106 | SK 30 – BT 30 | M12x55 | M12x35 – 81 950 160 |
| 81 518 110 | SK 40 – BT 40 | M16x60 | M16x35 – 81 950 161 |
| 82 518 250 | SK 50 – BT 50 | M16x70 – 83 950 256 | M16x40 – 83 950 009 |

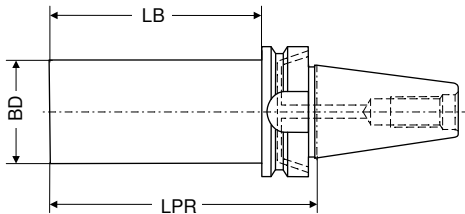
i Spare part 81 950 ... only use for article 81 518 ...!

Accessories



Blank

- ▲ Material: Steel 17CrNiMo5
- ▲ For production of special tools
- ▲ Diameter BD turned with 0.5 mm oversize
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



AD/B



A

| Adapter | BD | LPR | LB |
|---------|------|-----|-----|
| | mm | mm | mm |
| BT 40 | 63,0 | 250 | 223 |
| BT 50 | 63,5 | 300 | 262 |

Article no.
82 523 ...

Article no.
82 523 ...

040

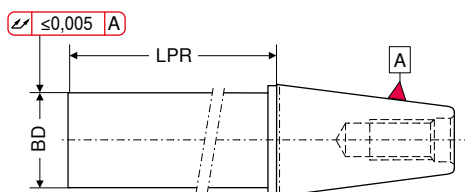
050

Test bar

- ▲ Without clamping slots
- ▲ MAS BT 40 special pull stud with LF = 32 mm

Scope of supply:

In wooden box



| Adapter | BD | LPR |
|------------|----|-----|
| | mm | mm |
| SK / BT 40 | 40 | 330 |
| SK / BT 50 | 50 | 330 |

Article no.
82 456 ...

040

050

Accessories



Pull studs

Others

→ 49, 91–92

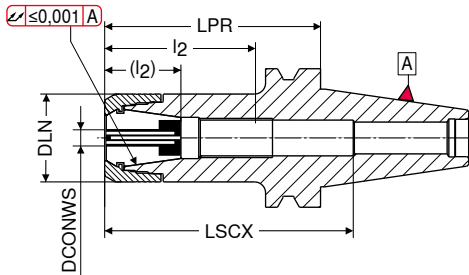
→ 17|34

ER Precision Collet chuck – BT-FC

- ▲ With face contact
- ▲ For standard or sealed nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 525 ... |
|----------|--------|-----|-----|------|-------------------|-------------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| BT-FC 30 | 1 - 10 | 75 | 30 | 97 | 28 - 45 (14 - 31) | 426E (ER16) | 002 |
| BT-FC 30 | 2 - 16 | 75 | 40 | 72 | 38 - 56 (23 - 39) | 430E (ER25) | 012 |
| BT-FC 30 | 2 - 20 | 75 | 50 | 84 | 42 - 62 (24 - 45) | 470E (ER32) | 022 |
| BT-FC 40 | 1 - 10 | 75 | 30 | 90 | 38 - 53 (29 - 39) | 426E (ER16) | 102 |
| BT-FC 40 | 2 - 16 | 75 | 40 | 100 | 42 - 59 (36 - 41) | 430E (ER25) | 112 |
| BT-FC 40 | 2 - 20 | 75 | 50 | 100 | 42 - 76 (42 - 52) | 470E (ER32) | 122 |

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

| Spare parts for Article no. | Lock nut IK | Lock nut | Stop screw 2 | Stop screw 1 |
|--------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| 84 525 002 | 011 | 001 | 341 | 337 |
| 84 525 012 | 013 | 003 | 432 | 431 |
| 84 525 022 | 015 | 005 | 402 | 401 |
| 84 525 102 | 011 | 001 | 341 | 337 |
| 84 525 112 | 013 | 003 | 432 | 431 |
| 84 525 122 | 015 | 005 | 402 | 401 |

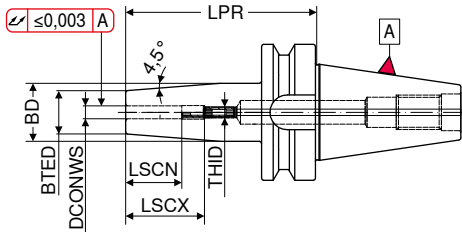
Accessories

| ER collet | Sealing ring | Roll key | Roll key device | Pull studs | Others |
|---------------------|--------------|----------|-----------------|------------|---------|
| → 206, 208-211, 213 | → 207 | → 17 36 | → 17 36 | → 91-92 | → 17 34 |

Shrink fit adapters 4.5° – BT-FC

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

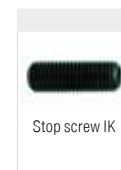


AD
G 2,5 n_{max} 25000

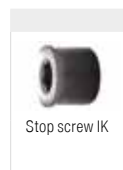


AD/B
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. | Article no. |
|-------|----------|--------|-----|------|----|------|------|-------|-------------|-------------|
| | | | | | | | | | 84 325 ... | 84 325 ... |
| short | BT-FC 30 | 3 | 85 | 10 | 17 | 28 | 12 | M6 | 003 | |
| | BT-FC 30 | 4 | 85 | 15 | 22 | 28 | 16 | M6 | 004 | |
| | BT-FC 30 | 5 | 85 | 15 | 22 | 30 | 20 | M6 | 005 | |
| | BT-FC 30 | 6 | 85 | 21 | 27 | 36 | 26 | M5 | 006 | |
| | BT-FC 30 | 8 | 85 | 21 | 27 | 36 | 26 | M6 | 008 | |
| | BT-FC 30 | 10 | 85 | 24 | 32 | 41 | 31 | M8x1 | 010 | |
| | BT-FC 30 | 12 | 85 | 24 | 32 | 47 | 37 | M10x1 | 012 | |
| | BT-FC 30 | 16 | 85 | 27 | 34 | 50 | 40 | M12x1 | 016 | |
| | BT-FC 30 | 20 | 85 | 33 | 42 | 52 | 42 | M16x1 | 020 | |
| | BT-FC 40 | 3 | 90 | 10 | 17 | 28 | 12 | M6 | | 103 |
| | BT-FC 40 | 4 | 90 | 15 | 22 | 28 | 16 | M6 | | 104 |
| | BT-FC 40 | 5 | 90 | 15 | 22 | 30 | 20 | M6 | | 105 |
| | BT-FC 40 | 6 | 90 | 21 | 27 | 36 | 26 | M5 | | 106 |
| | BT-FC 40 | 8 | 90 | 21 | 27 | 36 | 26 | M6 | | 108 |
| | BT-FC 40 | 10 | 90 | 24 | 32 | 41 | 31 | M8x1 | | 110 |
| | BT-FC 40 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | | 112 |
| | BT-FC 40 | 16 | 90 | 27 | 34 | 50 | 40 | M12x1 | | 116 |
| | BT-FC 40 | 20 | 90 | 33 | 42 | 52 | 42 | M16x1 | | 120 |
| | BT-FC 40 | 25 | 100 | 44 | 53 | 58 | 48 | M16x1 | | 125 |



Stop screw IK



Stop screw IK

Spare parts DCONWS

| | Article no. | Article no. |
|---------|-------------|------------------|
| | 83 950 ... | 83 950 ... |
| 3 - 5 | M6x14 - SW2 | 417 |
| 6 | | M5x12,5 - SW2,5 |
| 8 | | M6x12,5 - SW3 |
| 10 | | M8x1x13,5 - SW3 |
| 12 | | M10x1x13,5 - SW5 |
| 16 | | M12x1x13,5 - SW5 |
| 20 - 25 | | M16x1x13,5 - SW8 |

Accessories

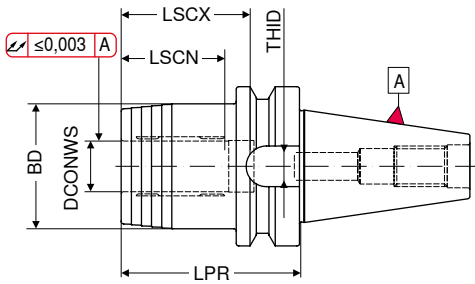
| | | |
|----------------------|------------|---------|
| | | |
| Shrink fit extension | Pull studs | Others |
| → 17 10 | → 91-92 | → 17 34 |

High pressure chuck, short and stable version – BT-FC

- ▲ With face contact
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 527 ...

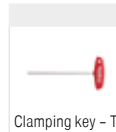
| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID |
|----------|--------|------|----|------|------|------------|
| | mm | mm | mm | mm | mm | |
| BT-FC 40 | 20 | 72,5 | 49 | 51 | 40 | M16x1x13,5 |

120

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

for Article no.
83 527 120



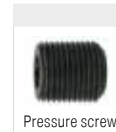
Clamping key – T

Article no.
80 397 ...

SW5

050

M10x1x10



Pressure screw

Article no.
83 950 ...

158

M8x1x13,5 - SW3



Stop screw IK

Article no.
83 950 ...

420

Accessories

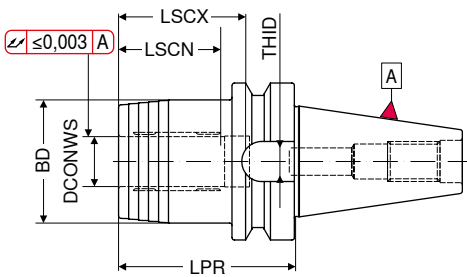
| | | |
|------------------|------------|---------|
| | | |
| Reduction sleeve | Pull studs | Others |
| → 17 32 | → 91-92 | → 17 34 |

Hydraulic chuck MAS BT, short and stable version – BT-FC

- ▲ With face contact
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw

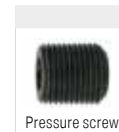


AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | BD | LSCX | LSCN | THID | Article no. 84 518 ... |
|----------|--------|------|------|------|------|-------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| BT-FC 40 | 20 | 72,5 | 49,5 | 51 | 41 | M16x1 | 120 |
| BT-FC 50 | 32 | 90,0 | 72,0 | 61 | 51 | M16x1 | 332 |

Spare parts
DCONWS

| | | | | |
|---------|----------|-----|------------------|-----|
| 20 - 32 | M10x1x12 | 440 | M16x1x13,5 - SW8 | 424 |
|---------|----------|-----|------------------|-----|



Article no.
83 950 ...



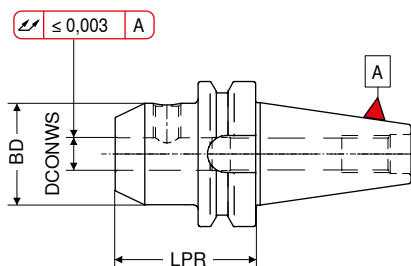
Article no.
83 950 ...

Accessories

| | | |
|------------------|------------|---------|
| | | |
| Reduction sleeve | Pull studs | Others |
| → 17 32 | → 91-92 | → 17 34 |

Cylindrical shank adapter (Weldon) – BT-FC

- ▲ With face contact
- ▲ For shanks according to DIN 6535 / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000

Article no.
84 552 ...

| | Adapter | DCONWS _{H4} | LPR | BD | Article no. 84 552 ... |
|-------|----------|----------------------|-----|----|---------------------------|
| | | mm | mm | mm | |
| short | BT-FC 30 | 6 | 50 | 25 | 006 |
| | BT-FC 30 | 8 | 50 | 28 | 008 |
| | BT-FC 30 | 10 | 50 | 35 | 010 |
| | BT-FC 30 | 12 | 50 | 42 | 012 |
| | BT-FC 30 | 16 | 63 | 48 | 016 |
| | BT-FC 30 | 20 | 63 | 52 | 020 |
| | BT-FC 40 | 6 | 50 | 25 | 106 |
| | BT-FC 40 | 8 | 50 | 28 | 108 |
| | BT-FC 40 | 10 | 63 | 35 | 110 |
| | BT-FC 40 | 12 | 63 | 42 | 112 |
| | BT-FC 40 | 16 | 63 | 48 | 116 |
| | BT-FC 40 | 20 | 63 | 52 | 120 |
| | BT-FC 40 | 25 | 90 | 65 | 125 |
| | BT-FC 40 | 32 | 100 | 72 | 132 |
| | BT-FC 50 | 6 | 63 | 25 | 306 |
| | BT-FC 50 | 8 | 63 | 28 | 308 |
| | BT-FC 50 | 10 | 63 | 35 | 310 |
| | BT-FC 50 | 12 | 80 | 42 | 312 |
| | BT-FC 50 | 16 | 80 | 48 | 316 |
| | BT-FC 50 | 20 | 80 | 52 | 320 |
| | BT-FC 50 | 25 | 100 | 65 | 325 |
| | BT-FC 50 | 32 | 105 | 72 | 332 |



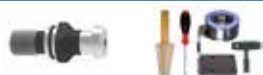
Grubscrew

Spare parts DCONWS_{H4}

Article no.
62 950 ...

| | | |
|----|----------|-----|
| 6 | M6x10 | 006 |
| 8 | M8x10 | 008 |
| 10 | M10x12 | 010 |
| 12 | M12x16 | 012 |
| 16 | M14x16 | 016 |
| 20 | M16x16 | 020 |
| 25 | M18x2x20 | 025 |
| 32 | M20x2x20 | 032 |

Accessories



Pull studs

Others

→ 91-92

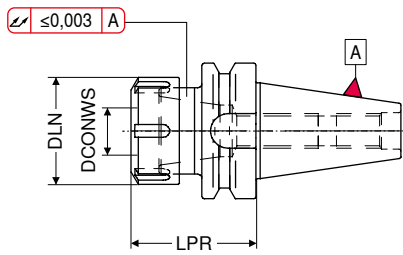
→ 17|34

ER Collet chuck – BT-FC

▲ With face contact

Scope of supply:

Toolholder including nut



AD
G 2,5 n_{max} 20000

| | Adapter | DCONWS | LPR | DLN | TQX | for collet | Article no. |
|-------|----------|--------|-----|-----|-----|-------------|-------------|
| | | | | | | | mm |
| short | BT-FC 30 | 1 - 10 | 63 | 28 | 56 | 426E (ER16) | 010 |
| | BT-FC 30 | 1 - 16 | 60 | 42 | 104 | 430E (ER25) | 016 |
| | BT-FC 30 | 2 - 20 | 60 | 50 | 136 | 470E (ER32) | 020 |
| | BT-FC 40 | 1 - 10 | 63 | 28 | 56 | 426E (ER16) | 110 |
| | BT-FC 40 | 1 - 16 | 60 | 42 | 104 | 430E (ER25) | 116 |
| | BT-FC 40 | 2 - 20 | 60 | 50 | 136 | 470E (ER32) | 120 |
| long | BT-FC 50 | 1 - 16 | 70 | 42 | 104 | 430E (ER25) | 316 |
| | BT-FC 50 | 2 - 20 | 70 | 50 | 136 | 470E (ER32) | 320 |
| | BT-FC 50 | 1 - 10 | 100 | 28 | 56 | 426E (ER16) | 310 |

Spare parts

for collet

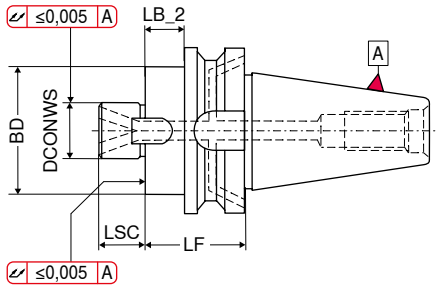
| | Article no. | Article no. | Article no. | Article no. | |
|-------------------------|----------------|-------------|-------------|-------------|-----|
| | 62 950 ... | 62 950 ... | 83 357 ... | 81 950 ... | |
| 426E (ER16) / BT30-BT50 | M22x1,5 - SW25 | 044 | | M12x15 | 054 |
| 430E (ER25) / BT30-BT50 | | M32x1,5 | 055 | M16x15 | 055 |
| 470E (ER32) / BT30-BT50 | | M40x1,5 | 056 | M16x15 | 055 |

Accessories

| | | |
|-----------|------------|---------|
| | | |
| ER collet | Pull studs | Others |
| → 214 | → 91-92 | → 17 34 |

Shell mill adapter – BT-FC

- ▲ With face contact
- ▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse slot



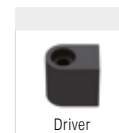
AD
G 6,3 n_{max} 15000

Article no.
84 562 ...

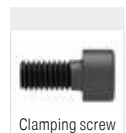
| | Adapter | DCONWS | LB_2 | LF | BD | LSC | |
|-------|----------|--------|------|----|----|-----|-----|
| | | mm | mm | mm | mm | mm | |
| short | BT-FC 30 | 16 | 18 | 40 | 40 | 17 | 016 |
| | BT-FC 30 | 22 | 18 | 40 | 50 | 19 | 022 |
| | BT-FC 30 | 27 | 18 | 40 | 60 | 21 | 027 |
| | BT-FC 30 | 32 | 28 | 50 | 80 | 24 | 032 |
| | BT-FC 40 | 16 | 8 | 35 | 40 | 17 | 116 |
| | BT-FC 40 | 22 | 8 | 35 | 50 | 19 | 122 |
| | BT-FC 40 | 27 | 8 | 35 | 60 | 21 | 127 |
| | BT-FC 40 | 32 | 23 | 50 | 80 | 24 | 132 |
| | BT-FC 40 | 40 | 23 | 50 | 89 | 27 | 140 |
| | BT-FC 50 | 22 | 12 | 50 | 50 | 19 | 322 |
| | BT-FC 50 | 27 | 12 | 50 | 60 | 21 | 327 |
| | BT-FC 50 | 32 | 12 | 50 | 80 | 24 | 332 |
| | BT-FC 50 | 40 | 17 | 55 | 89 | 27 | 340 |



Screw for drivers



Driver

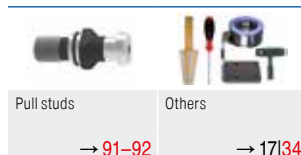


Clamping screw

Spare parts

| for Article no. | | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... |
|-----------------|-------|---------------------------|---------------------------|---------------------------|
| 84 562 016 | M3x12 | 162 | 8x9x11 | 157 |
| 84 562 022 | M4x10 | 163 | 10x11,2x13 | 158 |
| 84 562 027 | M4x16 | 164 | 12x12,6x15 | 159 |
| 84 562 032 | M5x16 | 165 | 14x14x22,5 | 160 |
| 84 562 116 | M3x12 | 162 | 8x9x11 | 157 |
| 84 562 122 | M4x10 | 163 | 10x11,2x13 | 158 |
| 84 562 127 | M4x16 | 164 | 12x12,6x15 | 159 |
| 84 562 132 | M5x16 | 165 | 14x14x22,5 | 160 |
| 84 562 140 | M5x16 | 166 | 16x16x23 | 161 |
| 84 562 322 | M4x10 | 163 | 12x12,6x15 | 159 |
| 84 562 327 | M4x16 | 164 | 12x12,6x15 | 159 |
| 84 562 332 | M5x16 | 165 | 14x14x22,5 | 160 |
| 84 562 340 | M5x16 | 166 | 16x16x23 | 161 |

Accessories



Pull studs

Others

→ 91-92

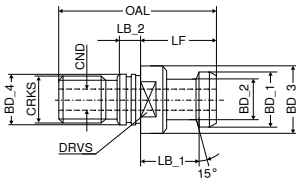
→ 17|34

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 15° Form A

Scope of supply:

Including O-Ring



| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX |
|---------|------|------|------|------|------|-----|----|------|------|-----|------|-----|
| | mm | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm |
| BT 40 | 19 | 14 | 23 | 17 | M16 | 54 | 29 | 23 | 5 | 5 | 19 | 90 |

Article no.
83 532 ...

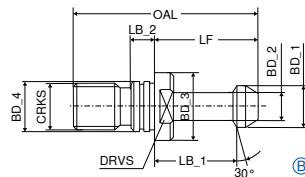
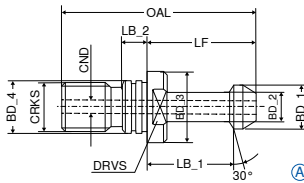
040

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 30° Form A and B

Scope of supply:

Including O-Ring



| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX | form |
|---------|------|------|------|------|------|-----|----|------|------|-----|------|-----|------|
| | mm | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm | |
| BT 30 | 11 | 7 | 16,5 | 12,5 | M12 | 43 | 23 | 18 | 4,0 | 2,2 | 13 | 60 | A |
| BT 40 | 15 | 10 | 23,0 | 17,0 | M16 | 60 | 35 | 28 | 5,5 | 4,0 | 19 | 90 | A |
| BT 50 | 23 | 17 | 38,0 | 25,0 | M24 | 85 | 45 | 35 | 8,0 | 6,0 | 30 | 145 | A |
| BT 30 | 11 | 7 | 16,5 | 12,5 | M12 | 43 | 23 | 18 | 4,0 | | 13 | 60 | B |
| BT 40 | 15 | 10 | 23,0 | 17,0 | M16 | 60 | 35 | 28 | 5,5 | | 19 | 90 | B |
| BT 50 | 23 | 17 | 38,0 | 25,0 | M24 | 85 | 45 | 35 | 8,0 | | 30 | 145 | B |

Article no.
82 533 ...

Article no.
82 531 ...

030

040

050

030

040

050



O-Ring

Spare parts BD_4

Article no.
83 476 ...

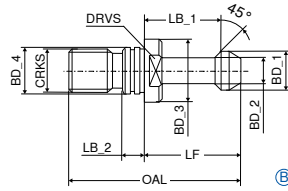
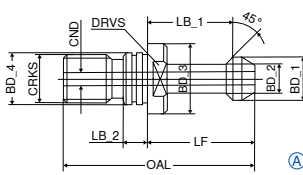
| | | |
|----|------------|-----|
| 17 | BT / SK 40 | 040 |
| 25 | BT / SK 50 | 050 |

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 45° Form A and B

Scope of supply:

Including O-Ring



| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX | form |
|---------|------|------|------|------|------|-----|----|------|------|-----|------|-----|------|
| | mm | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm | |
| BT 30 | 11 | 7 | 16,5 | 12,5 | M12 | 43 | 23 | 18 | 4,0 | 2,2 | 13 | 60 | A |
| BT 40 | 15 | 10 | 23,0 | 17,0 | M16 | 60 | 35 | 28 | 5,5 | 4,0 | 19 | 90 | A |
| BT 50 | 23 | 17 | 38,0 | 25,0 | M24 | 85 | 45 | 35 | 8,0 | 6,0 | 30 | 145 | A |
| BT 30 | 11 | 7 | 16,5 | 12,5 | M12 | 43 | 23 | 18 | 4,0 | | 13 | 60 | B |
| BT 40 | 15 | 10 | 23,0 | 17,0 | M16 | 60 | 35 | 28 | 5,5 | | 19 | 90 | B |
| BT 50 | 23 | 17 | 38,0 | 25,0 | M24 | 85 | 45 | 35 | 8,0 | | 30 | 145 | B |

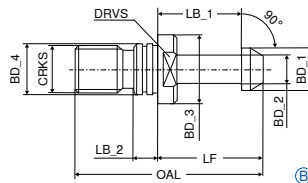
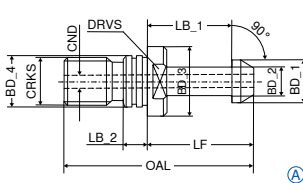
| Article no. 82 530 ... | Article no. 82 534 ... |
|---------------------------|---------------------------|
| | 030 |
| | 040 |
| | 050 |
| 030 | |
| 040 | |
| 050 | |

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 90° Form A and B

Scope of supply:

Including O-Ring



| Adapter | BD_1 | BD_2 | BD_3 | BD_4 | CRKS | OAL | LF | LB_1 | LB_2 | CND | DRVS | TQX | form |
|---------|------|------|------|------|------|-----|----|------|------|-----|------|-----|------|
| | mm | mm | mm | mm | | mm | mm | mm | mm | mm | mm | Nm | |
| BT 40 | 15 | 10 | 23 | 17 | M16 | 60 | 35 | 28 | 5,5 | 4 | 19 | 90 | A |
| BT 50 | 23 | 17 | 38 | 25 | M24 | 85 | 45 | 35 | 8,0 | 6 | 30 | 145 | A |
| BT 40 | 15 | 10 | 23 | 17 | M16 | 60 | 35 | 28 | 5,5 | | 19 | 90 | B |
| BT 50 | 23 | 17 | 38 | 25 | M24 | 85 | 45 | 35 | 8,0 | | 30 | 145 | B |

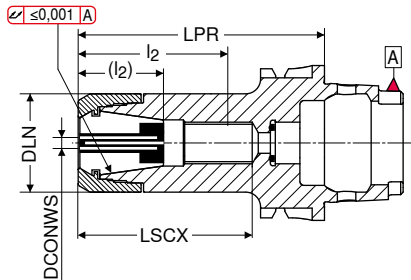
| Article no. 82 536 ... | Article no. 82 537 ... |
|---------------------------|---------------------------|
| | 040 |
| | 050 |
| 040 | |
| 050 | |

ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000





| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 722 ... |
|-----------|--------|-----|-----|------|-------------------|-------------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| HSK-A 40 | 1 - 10 | 60 | 30 | 40 | 32 - 54 | 426E (ER16) | 401 |
| HSK-A 40 | 2 - 16 | 60 | 40 | 40 | | 430E (ER25) | 404 |
| HSK-A 40 | 2 - 20 | 61 | 50 | 45 | | 470E (ER32) | 407 |
| HSK-A 50 | 2 - 16 | 60 | 40 | 37 | | 430E (ER25) | 504 |
| HSK-A 50 | 2 - 16 | 70 | 40 | 49 | 34 - 35 | 430E (ER25) | 505 |
| HSK-A 50 | 2 - 20 | 70 | 50 | 47 | | 470E (ER32) | 507 |
| HSK-A 63 | 1 - 10 | 55 | 30 | 32 | | 426E (ER16) | 609 |
| HSK-A 63 | 1 - 10 | 100 | 30 | 71 | 28 - 45 (16 - 31) | 426E (ER16) | 610 |
| HSK-A 63 | 1 - 10 | 130 | 30 | 87 | 26 - 50 (17 - 38) | 426E (ER16) | 613 |
| HSK-A 63 | 1 - 10 | 160 | 30 | 106 | 28 - 45 (16 - 31) | 426E (ER16) | 611 |
| HSK-A 63 | 1 - 10 | 200 | 30 | 136 | 28 - 45 (16 - 31) | 426E (ER16) | 612 |
| HSK-A 63 | 2 - 16 | 60 | 40 | 37 | | 430E (ER25) | 615 |
| HSK-A 63 | 2 - 16 | 100 | 40 | 70 | 35 - 55 (24 - 37) | 430E (ER25) | 616 |
| HSK-A 63 | 2 - 16 | 130 | 40 | 89 | 37 - 60 (12 - 42) | 430E (ER25) | 619 |
| HSK-A 63 | 2 - 16 | 160 | 40 | 128 | 35 - 60 (24 - 42) | 430E (ER25) | 617 |
| HSK-A 63 | 2 - 16 | 200 | 40 | 148 | 35 - 60 (24 - 42) | 430E (ER25) | 618 |
| HSK-A 63 | 2 - 20 | 70 | 50 | 46 | | 470E (ER32) | 620 |
| HSK-A 63 | 2 - 20 | 100 | 50 | 71 | 41 - 57 (26 - 39) | 470E (ER32) | 621 |
| HSK-A 63 | 2 - 20 | 130 | 50 | 101 | 42 - 69 (18 - 41) | 470E (ER32) | 625 |
| HSK-A 63 | 2 - 20 | 160 | 50 | 129 | 52 - 70 (26 - 60) | 470E (ER32) | 622 |
| HSK-A 63 | 3 - 26 | 80 | 63 | 56 | | 472E (ER40) | 626 ¹⁾ |
| HSK-A 100 | 1 - 10 | 100 | 30 | 70 | 28 - 48 (16 - 35) | 426E (ER16) | 110 |
| HSK-A 100 | 1 - 10 | 160 | 30 | 130 | 28 - 48 (16 - 35) | 426E (ER16) | 111 |
| HSK-A 100 | 2 - 16 | 100 | 40 | 71 | 38 - 56 (20 - 40) | 430E (ER25) | 116 |
| HSK-A 100 | 2 - 16 | 160 | 40 | 105 | 38 - 68 (20 - 50) | 430E (ER25) | 117 |
| HSK-A 100 | 2 - 20 | 100 | 50 | 70 | 42 - 59 (24 - 40) | 470E (ER32) | 121 |
| HSK-A 100 | 2 - 20 | 160 | 50 | 99 | 42 - 70 (24 - 52) | 470E (ER32) | 122 |
| HSK-A 100 | 3 - 26 | 100 | 63 | 65 | | 472E (ER40) | 126 |

1) Non standard groove before tool change collar not according to DIN, not suitable for automatic tool change

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts, ER precision collet chuck

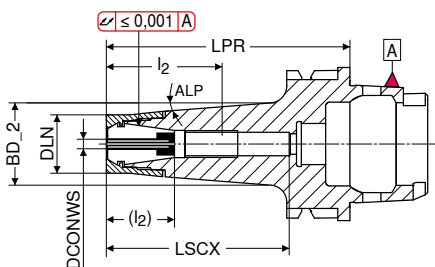
| |  |  |  |  |
|-------------------|---|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | |
| 426E (ER16) | 011 | 001 | M11x1 - SW6 | 337 |
| 430E (ER25) | 013 | 003 | M18x1,5 - SW6 | 431 |
| 470E (ER32) | 015 | 005 | M22x1,5 - SW6 | 401 |
| 472E (ER40) | 017 | 007 | M28x1,5 - SW6 | 400 |

ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop










AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | BD_2 | LSCX | l_2 (l_2) | ALP | for collet | Article no. 84 721 ... |
|----------|--------|-----|-----|------|------|-------------------|------|--------------|---------------------------|
| | mm | mm | mm | mm | mm | mm | | | |
| HSK-A 40 | 1 - 7 | 100 | 16 | 25.3 | 65 | 15 - 34 (8 - 25) | 4,5° | 4008E (ER11) | 307 |
| HSK-A 40 | 1 - 10 | 60 | 24 | 28,0 | 43 | 26 - 30 | 2,0° | 426E (ER16) | 210 |
| HSK-A 40 | 1 - 10 | 100 | 24 | 30,8 | 67 | 26 - 47 (12 - 32) | 2,0° | 426E (ER16) | 310 |
| HSK-A 50 | 1 - 7 | 100 | 16 | 24,0 | 65 | 15 - 34 (8 - 25) | 4,5° | 4008E (ER11) | 507 |
| HSK-A 50 | 1 - 10 | 65 | 24 | 28,9 | 44 | 26 - 32 | 4,5° | 426E (ER16) | 710 |
| HSK-A 50 | 1 - 10 | 100 | 24 | 34,4 | 77 | 26 - 47 (12 - 32) | 4,5° | 426E (ER16) | 810 |
| HSK-A 50 | 1 - 10 | 130 | 24 | 39,4 | 102 | 26 - 47 (12 - 32) | 4,5° | 426E (ER16) | 910 |
| HSK-A 63 | 1 - 10 | 100 | 24 | 33,8 | 74 | 28 - 48 (20 - 35) | 4,5° | 426E (ER16) | 610 |
| HSK-A 63 | 1 - 10 | 160 | 24 | 36,0 | 106 | 28 - 48 (20 - 35) | 2,5° | 426E (ER16) | 611 |
| HSK-A 63 | 2 - 20 | 75 | 50 | | 51 | | 4,0° | 470E (ER32) | 632 |

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
- l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
- Dimension LPR when using tightening nuts with seals 4 mm longer

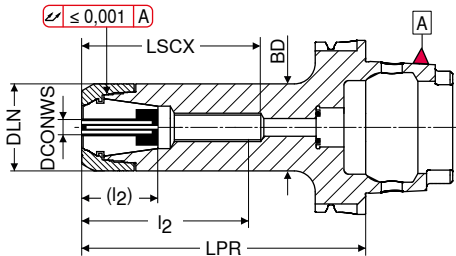
| |  |  |  |  |  |  |  |
|-------------------|---|---|---|--|---|---|---|
| Spare parts | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
| for collet | | | | | | | |
| 4008E (ER11) | 033 | 031 | 015 | 005 | 041 | 340 | 336 |
| 426E (ER16) | | | | | | 341 | 337 |
| 470E (ER32) | | | | | | 402 | 401 |

ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | BD | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 719 ... |
|----------|--------|-----|----|-----|------|-------------------|--------------|---------------------------|
| | mm | mm | mm | mm | mm | mm | | |
| HSK-A 32 | 1 - 7 | 40 | 16 | 16 | 24 | | 4008E (ER11) | 107 |
| HSK-A 32 | 1 - 10 | 50 | 22 | 22 | 32 | | 426E (ER16) | 110 |
| HSK-A 40 | 1 - 7 | 60 | 16 | 16 | 40 | 16 - 24 | 4008E (ER11) | 207 |
| HSK-A 50 | 1 - 7 | 130 | 16 | 16 | 60 | 15 - 32 (7 - 22) | 4008E (ER11) | 407 |
| HSK-A 63 | 1 - 7 | 70 | 16 | 16 | 48 | 15 - 32 (7 - 22) | 4008E (ER11) | 507 |
| HSK-A 63 | 1 - 7 | 100 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 607 |
| HSK-A 63 | 1 - 7 | 130 | 16 | 16 | 108 | 15 - 32 (7 - 22) | 4008E (ER11) | 707 |
| HSK-A 63 | 1 - 7 | 160 | 16 | 16 | 68 | 18 - 36 (12 - 26) | 4008E (ER11) | 608 |
| HSK-A 63 | 1 - 10 | 70 | 22 | 22 | 46 | 27 - 34 (14 - 20) | 426E (ER16) | 610 |
| HSK-A 63 | 1 - 10 | 100 | 22 | 22 | 62 | 27 - 44 (14 - 30) | 426E (ER16) | 710 |
| HSK-A 63 | 1 - 10 | 130 | 22 | 22 | 87 | 27 - 52 (14 - 38) | 426E (ER16) | 810 |
| HSK-A 63 | 1 - 10 | 160 | 22 | 22 | 97 | 27 - 52 (14 - 38) | 426E (ER16) | 910 |

→ Transmittable torque moments, page 233

1 LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

| | | | | | | |
|--------------|---------------------------|-----|-------------|-----|-------------|-----|
| 4008E (ER11) | Article no. 84 950 ... | 041 | M8x1 - SW4 | 340 | M8x1 - SW4 | 336 |
| 426E (ER16) | 035 | 034 | M11x1 - SW6 | 341 | M11x1 - SW6 | 337 |

| | | | |
|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | |
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |

Accessories

| | | | | | | |
|----------------|--------------|---------|----------|-----------------|-----------------------|---------|
| | | | | | | |
| ER collet | Sealing ring | Device | Roll key | Roll key device | Coolant transfer pipe | Others |
| → 208-211, 213 | → 207 | → 17 35 | → 17 36 | → 17 36 | → 138 | → 17 34 |

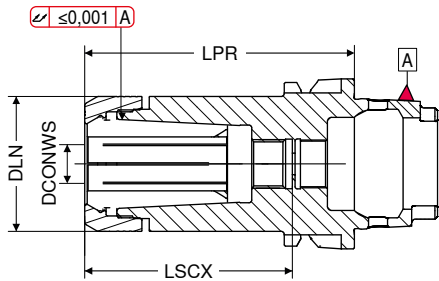
OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | for collet |
|-----------|--------|-----|-----|------|------------|
| | mm | mm | mm | mm | |
| HSK-A 63 | 2 - 25 | 85 | 50 | 60 | 462E |
| HSK-A 100 | 2 - 25 | 90 | 50 | 60 | 462E |

Article no.
84 724 ...

626

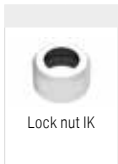
126

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw
Dimension LPR is 4mm longer when using seals

Spare parts

for collet
462E



Article no.
84 950 ...

020

Accessories

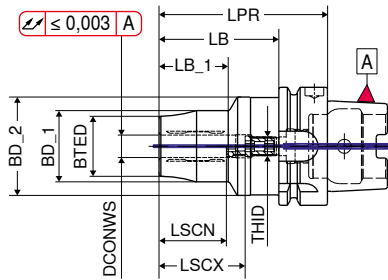
| | | | | | |
|-----------|--------------|----------|-----------------|-----------------------|---------|
| | | | | | |
| OZ Collet | Sealing ring | Roll key | Roll key device | Coolant transfer pipe | Others |
| → 217 | → 217 | → 17 36 | → 17 36 | → 138 | → 17 34 |

High pressure chuck, short version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

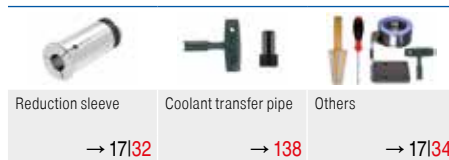
| | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LB_1 | LSCX | LSCN | LB | THID | Article no. 83 706 ... |
|-------|----------|--------|-----|------|------|------|------|------|------|----|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 63 | 16 | 95 | 36 | 42 | 52,5 | 42 | 49 | 39 | 69 | M12x1 | 616 |
| | HSK-A 63 | 20 | 100 | 42 | 48 | 52,5 | 45 | 51 | 41 | 74 | M16x1 | 620 |
| | HSK-A 63 | 25 | 120 | 51 | 57 | 53,0 | 62 | 57 | 47 | 94 | M16x1 | 625 |
| | HSK-A 63 | 32 | 125 | 57 | 63 | 53,0 | 62 | 61 | 51 | 99 | M16x1 | 632 |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

| Spare parts for Article no. | Clamping key - T | | Pressure pin | | Pressure screw | | Stop screw IK | |
|--------------------------------|---------------------------|-----|---------------------------|-----|---------------------------|-----|---------------------------|-----|
| | Article no. 80 397 ... | | Article no. 83 950 ... | | Article no. 83 950 ... | | Article no. 83 950 ... | |
| 83 706 616 | SW5 | 050 | Ø5 x 16 | 433 | TR10x1,5x14 | 430 | M12x1x18 | 446 |
| 83 706 620 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x18,5 | 448 |
| 83 706 625 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x22 | 449 |
| 83 706 632 | SW5 | 050 | Ø6 x 16 | 434 | TR10x1,5x14 | 430 | M16x1x25 | 450 |

Accessories



→ 17|32

→ 138

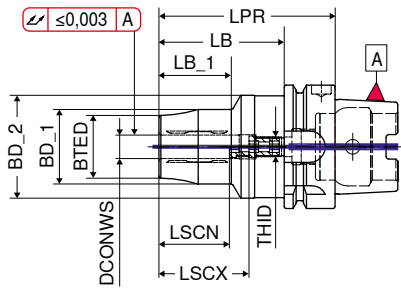
→ 17|34

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 722 ...

120

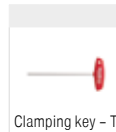
| Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LB_1 | LSCX | LSCN | LB | THID |
|----------|--------|-----|------|------|------|------|------|------|----|------|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | |
| HSK-A 63 | 20 | 80 | 36 | 49 | 52,5 | 36 | 51 | 40 | 54 | M8x1 |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

for Article no.
83 722 120



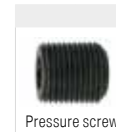
Clamping key - T

Article no.
80 397 ...

SW5

050

M10x1x10



Pressure screw

Article no.
83 950 ...

158

M8x1x13,5 - SW3



Stop screw IK

Article no.
83 950 ...

420

Accessories

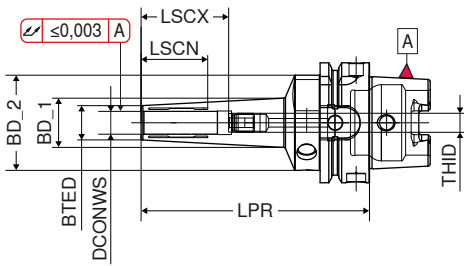
| | | |
|------------------|-----------------------|---------|
| | | |
| Reduction sleeve | Coolant transfer pipe | Others |
| → 17 32 | → 138 | → 17 34 |

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD_1 | BD_2 | LSCX | LSCN | THID | Article no. 83 727 ... |
|----------|----------|--------|-----|-------|-------|------|------|-------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | mm | |
| Long | HSK-A 63 | 3 | 120 | 9 | 16,65 | 50 | 28 | 12 | M3 | 603 |
| | HSK-A 63 | 4 | 120 | 10 | 17,65 | 50 | 28 | 16 | M3 | 604 |
| | HSK-A 63 | 5 | 120 | 11 | 18,65 | 50 | 28 | 20 | M3 | 605 |
| | HSK-A 63 | 6 | 120 | 12 | 19,75 | 50 | 37 | 27 | M5 | 606 |
| | HSK-A 63 | 8 | 120 | 14 | 21,75 | 50 | 37 | 27 | M6 | 608 |
| | HSK-A 63 | 10 | 120 | 16 | 23,75 | 50 | 41 | 31 | M8x1 | 610 |
| | HSK-A 63 | 12 | 120 | 18 | 25,86 | 50 | 46 | 36 | M10x1 | 612 |
| | HSK-A 63 | 16 | 120 | 24 | 31,50 | 50 | 49 | 39 | M12x1 | 616 |
| | HSK-A 63 | 20 | 120 | 28 | 35,55 | 50 | 51 | 41 | M16x1 | 620 |
| | HSK-A 63 | 6 | 160 | 16 | 33,53 | 50 | 37 | 27 | M5 | 706 |
| | HSK-A 63 | 8 | 160 | 18 | 34,55 | 50 | 37 | 27 | M6 | 708 |
| | HSK-A 63 | 10 | 160 | 20 | 36,27 | 50 | 41 | 31 | M8x1 | 710 |
| | HSK-A 63 | 12 | 160 | 22 | 37,78 | 50 | 46 | 36 | M10x1 | 712 |
| | HSK-A 63 | 6 | 200 | 16 | 37,83 | 50 | 37 | 27 | M5 | 806 |
| | HSK-A 63 | 8 | 200 | 18 | 38,85 | 50 | 37 | 27 | M6 | 808 |
| | HSK-A 63 | 10 | 200 | 20 | 40,57 | 50 | 41 | 31 | M8x1 | 810 |
| HSK-A 63 | 12 | 200 | 22 | 42,07 | 50 | 46 | 36 | M10x1 | 812 | |

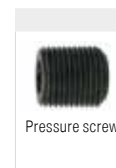
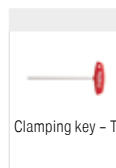
→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

for Article no.

| | | Article no. 80 397 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|------------|-----|---------------------------|---------------------------|---------------------------|
| 83 727 603 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 604 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 605 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 606 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 608 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 610 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 612 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 616 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 620 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 706 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 708 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 710 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 712 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 806 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 808 | SW5 | 050 | M10x1x10 | 158 |
| 83 727 810 | SW5 | 050 | M10x1x12 | 159 |
| 83 727 812 | SW5 | 050 | M10x1x12 | 159 |

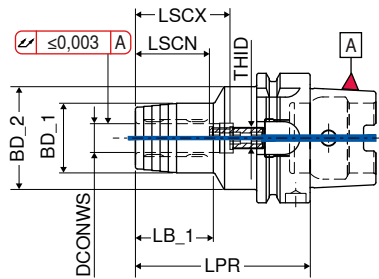


Hydraulic chuck, short and slim version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BD_1 | BD_2 | LSCX | LSCN | LB_1 | THID | Article no. 83 726 ... |
|-------|----------|--------|-----|------|------|------|------|------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 63 | 6 | 70 | 26 | 49,5 | 37 | 27 | 24 | M5 | 606 |
| | HSK-A 63 | 8 | 70 | 28 | 49,5 | 37 | 27 | 24 | M6 | 608 |
| | HSK-A 63 | 10 | 80 | 30 | 49,5 | 41 | 31 | 32 | M8x1 | 610 |
| | HSK-A 63 | 12 | 85 | 32 | 49,5 | 46 | 36 | 40 | M10x1 | 612 |
| | HSK-A 63 | 16 | 90 | 38 | 49,5 | 49 | 39 | 46 | M12x1 | 616 |
| | HSK-A 63 | 20 | 90 | 42 | 49,5 | 51 | 41 | 48 | M16x1 | 620 |
| | HSK-A 63 | 25 | 120 | 57 | 52,0 | 57 | 47 | 63 | M16x1 | 625 |
| | HSK-A 63 | 32 | 125 | 63 | 53,0 | 61 | 51 | 61 | M16x1 | 632 |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

| DCONWS | Pressure screw | Article no. 83 950 ... | Stop screw IK | Article no. 83 950 ... |
|---------|----------------|---------------------------|------------------|---------------------------|
| 6 | M8x1x10 | 439 | M5x12,5 - SW2,5 | 418 |
| 8 | M8x1x10 | 439 | M6x12,5 - SW3 | 419 |
| 10 | M10x1x12 | 440 | M8x1x13,5 - SW3 | 420 |
| 12 | M10x1x12 | 440 | M10x1x13,5 - SW5 | 421 |
| 16 | M10x1x12 | 440 | M12x1x13,5 - SW5 | 422 |
| 20 - 32 | M10x1x12 | 440 | M16x1x13,5 - SW5 | 423 |

Accessories

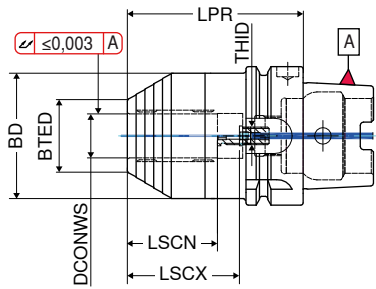
| | | |
|------------------|-----------------------|---------|
| | | |
| Reduction sleeve | Coolant transfer pipe | Others |
| → 17 32 | → 138 | → 17 34 |

Hydraulic chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 729 ...

620

| Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID |
|----------|--------|-----|------|------|------|------|------|
| | mm | mm | mm | mm | mm | mm | |
| HSK-A 63 | 20 | 80 | 33 | 51,5 | 51 | 41 | M8x1 |

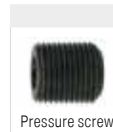
→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

DCONWS

20



Pressure screw

Article no.
83 950 ...

440



Stop screw IK

Article no.
83 950 ...

423

M10x1x12

M16x1x13,5 - SW5

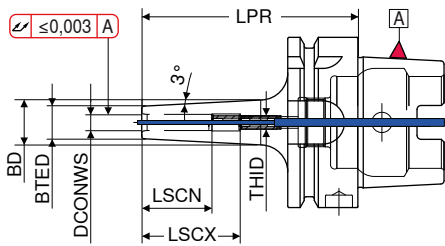
Accessories

| | | |
|------------------|-----------------------|---------|
| | | |
| Reduction sleeve | Coolant transfer pipe | Others |
| → 17 32 | → 138 | → 17 34 |

Shrink adapter, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



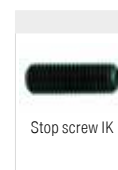
AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. 84 324 ... |
|------------|----------|--------|-----|------|----|------|-------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 63 | 3 | 80 | 9 | 14 | 28 | 12 | M6 | 103 |
| | HSK-A 63 | 4 | 80 | 10 | 15 | 28 | 16 | M6 | 104 |
| | HSK-A 63 | 5 | 80 | 11 | 16 | 30 | 20 | M6 | 105 |
| | HSK-A 63 | 6 | 80 | 12 | 17 | 36 | 26 | M5 | 106 |
| | HSK-A 63 | 8 | 80 | 14 | 19 | 36 | 26 | M6 | 108 |
| | HSK-A 63 | 10 | 85 | 16 | 21 | 41 | 31 | M8x1 | 110 |
| | HSK-A 63 | 12 | 90 | 18 | 24 | 47 | 37 | M10x1 | 112 |
| | HSK-A 63 | 14 | 90 | 20 | 26 | 47 | 37 | M10x1 | 114 |
| | HSK-A 63 | 16 | 95 | 22 | 28 | 50 | 40 | M12x1 | 116 |
| | HSK-A 63 | 18 | 95 | 24 | 30 | 50 | 40 | M12x1 | 118 |
| HSK-A 63 | 20 | 100 | 26 | 33 | 52 | 42 | M16x1 | 120 | |
| long | HSK-A 63 | 3 | 120 | 9 | 16 | 12 | 12 | | 203 |
| | HSK-A 63 | 4 | 120 | 10 | 17 | 16 | 16 | | 204 |
| | HSK-A 63 | 5 | 120 | 11 | 18 | 20 | 20 | | 205 |
| | HSK-A 63 | 6 | 120 | 12 | 21 | 36 | 26 | M5 | 206 |
| | HSK-A 63 | 8 | 120 | 14 | 23 | 36 | 26 | M6 | 208 |
| | HSK-A 63 | 10 | 120 | 16 | 25 | 41 | 31 | M8x1 | 210 |
| | HSK-A 63 | 12 | 120 | 18 | 27 | 47 | 37 | M10x1 | 212 |
| | HSK-A 63 | 14 | 120 | 20 | 29 | 47 | 37 | M10x1 | 214 |
| | HSK-A 63 | 16 | 120 | 22 | 31 | 50 | 40 | M12x1 | 216 |
| | HSK-A 63 | 18 | 120 | 24 | 33 | 50 | 40 | M12x1 | 218 |
| HSK-A 63 | 20 | 120 | 26 | 35 | 52 | 42 | M16x1 | 220 | |
| extra-long | HSK-A 63 | 3 | 160 | 9 | 19 | 12 | 12 | | 303 |
| | HSK-A 63 | 4 | 160 | 10 | 20 | 16 | 16 | | 304 |
| | HSK-A 63 | 5 | 160 | 11 | 21 | 20 | 20 | | 305 |
| | HSK-A 63 | 6 | 160 | 12 | 24 | 36 | 26 | M5 | 306 |
| | HSK-A 63 | 8 | 160 | 14 | 26 | 36 | 26 | M6 | 308 |
| | HSK-A 63 | 10 | 160 | 16 | 28 | 41 | 31 | M8x1 | 310 |
| | HSK-A 63 | 12 | 160 | 18 | 30 | 47 | 37 | M10x1 | 312 |
| | HSK-A 63 | 14 | 160 | 20 | 32 | 47 | 37 | M10x1 | 314 |
| | HSK-A 63 | 16 | 160 | 22 | 34 | 50 | 40 | M12x1 | 316 |
| | HSK-A 63 | 18 | 160 | 24 | 36 | 50 | 40 | M12x1 | 318 |
| HSK-A 63 | 20 | 160 | 26 | 38 | 52 | 42 | M16x1 | 320 | |

→ Min. clamping depth, Page 233

Spare parts
DCONWS

| | Article no. 83 950 ... | Article no. 83 950 ... |
|---------|---------------------------|---------------------------|
| 3 - 5 | M6x14 - SW2 | 417 |
| 6 | | M5x12,5 - SW2,5 |
| 8 | | M6x12,5 - SW3 |
| 10 | | M8x1x13,5 - SW3 |
| 12 - 14 | | M10x1x13,5 - SW5 |
| 16 - 18 | | M12x1x13,5 - SW5 |
| 20 | | M16x1x13,5 - SW8 |



Stop screw IK

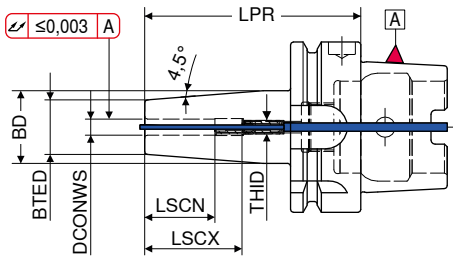


Stop screw IK

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



AD
G 2,5 n_{max} 25000

Article no.
84 304 ...

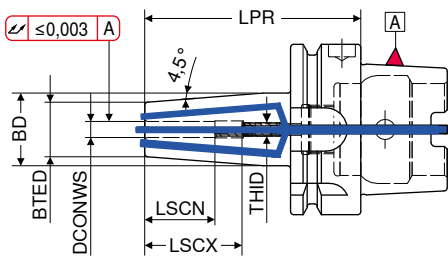
| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | |
|------------|----------|--------|-----|------|----|------|------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 63 | 3 | 80 | 10 | 15 | 22 | 12 | M6 | 103 |
| | HSK-A 63 | 4 | 80 | 15 | 22 | 26 | 16 | M6 | 104 |
| | HSK-A 63 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | 105 |
| | HSK-A 63 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | 106 |
| | HSK-A 63 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | 108 |
| | HSK-A 63 | 10 | 85 | 24 | 32 | 41 | 31 | M8x1 | 110 |
| | HSK-A 63 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | 112 |
| | HSK-A 63 | 14 | 90 | 27 | 34 | 47 | 37 | M10x1 | 114 |
| | HSK-A 63 | 16 | 95 | 27 | 34 | 50 | 40 | M12x1 | 116 |
| | HSK-A 63 | 18 | 95 | 33 | 42 | 50 | 40 | M12x1 | 118 |
| | HSK-A 63 | 20 | 100 | 33 | 42 | 52 | 42 | M16x1 | 120 |
| | HSK-A 63 | 25 | 115 | 44 | 53 | 58 | 48 | M16x1 | 125 |
| | HSK-A 63 | 32 | 120 | 44 | 53 | 62 | 52 | M16x1 | 132 |
| long | HSK-A 63 | 3 | 120 | 10 | 20 | 12 | 12 | | 203 |
| | HSK-A 63 | 4 | 120 | 15 | 22 | 16 | 16 | | 204 |
| | HSK-A 63 | 5 | 120 | 15 | 22 | 20 | 20 | | 205 |
| | HSK-A 63 | 6 | 120 | 21 | 27 | 36 | 26 | M5 | 206 |
| | HSK-A 63 | 8 | 120 | 21 | 27 | 36 | 26 | M6 | 208 |
| | HSK-A 63 | 10 | 120 | 24 | 32 | 41 | 31 | M8x1 | 210 |
| | HSK-A 63 | 12 | 120 | 24 | 32 | 47 | 37 | M10x1 | 212 |
| | HSK-A 63 | 14 | 120 | 27 | 34 | 47 | 37 | M10x1 | 214 |
| | HSK-A 63 | 16 | 120 | 27 | 34 | 50 | 40 | M12x1 | 216 |
| | HSK-A 63 | 18 | 120 | 33 | 42 | 50 | 40 | M12x1 | 218 |
| | HSK-A 63 | 20 | 120 | 33 | 42 | 52 | 42 | M16x1 | 220 |
| | HSK-A 63 | 25 | 120 | 44 | 53 | 58 | 48 | M16x1 | 225 |
| extra-long | HSK-A 63 | 3 | 160 | 10 | 20 | 12 | 12 | | 303 |
| | HSK-A 63 | 4 | 160 | 15 | 22 | 16 | 16 | | 304 |
| | HSK-A 63 | 5 | 160 | 15 | 22 | 20 | 20 | | 305 |
| | HSK-A 63 | 6 | 160 | 21 | 27 | 36 | 26 | M5 | 306 |
| | HSK-A 63 | 8 | 160 | 21 | 27 | 36 | 26 | M6 | 308 |
| | HSK-A 63 | 10 | 160 | 24 | 32 | 41 | 31 | M8x1 | 310 |
| | HSK-A 63 | 12 | 160 | 24 | 32 | 47 | 37 | M10x1 | 312 |
| | HSK-A 63 | 14 | 160 | 27 | 34 | 47 | 37 | M10x1 | 314 |
| | HSK-A 63 | 16 | 160 | 27 | 34 | 50 | 40 | M12x1 | 316 |
| | HSK-A 63 | 18 | 160 | 33 | 42 | 50 | 40 | M12x1 | 318 |
| | HSK-A 63 | 20 | 160 | 33 | 42 | 52 | 42 | M16x1 | 320 |
| | HSK-A 63 | 25 | 160 | 44 | 53 | 62 | 52 | M16x1 | 325 |
| extra long | HSK-A 63 | 6 | 200 | 21 | 27 | 36 | 26 | M5 | 406 |
| | HSK-A 63 | 8 | 200 | 21 | 27 | 36 | 26 | M6 | 408 |
| | HSK-A 63 | 10 | 200 | 24 | 32 | 41 | 31 | M8x1 | 410 |
| | HSK-A 63 | 12 | 200 | 24 | 32 | 47 | 37 | M10x1 | 412 |
| | HSK-A 63 | 14 | 200 | 27 | 34 | 47 | 37 | M10x1 | 414 |
| | HSK-A 63 | 16 | 200 | 27 | 34 | 50 | 40 | M12x1 | 416 |
| | HSK-A 63 | 18 | 200 | 33 | 42 | 50 | 40 | M12x1 | 418 |
| | HSK-A 63 | 20 | 200 | 33 | 42 | 52 | 42 | M16x1 | 420 |
| | HSK-A 63 | 25 | 200 | 44 | 53 | 62 | 52 | M16x1 | 425 |
| | HSK-A 63 | 32 | 200 | 44 | 53 | 62 | 52 | M16x1 | 432 |

→ Min. clamping depth, Page 233

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



AD
G 2,5 n_{max} 25000

NEW
Article no.
84 316 ...

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | |
|--------------|----------|--------|-----|------|----|------|-------|-------|-----|
| | | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 63 | 3 | 80 | 10 | 15 | 28 | 12 | M6 | 103 |
| | HSK-A 63 | 4 | 80 | 15 | 22 | 28 | 16 | M6 | 104 |
| | HSK-A 63 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | 105 |
| | HSK-A 63 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | 106 |
| | HSK-A 63 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | 108 |
| | HSK-A 63 | 10 | 85 | 24 | 32 | 41 | 31 | M8x1 | 110 |
| | HSK-A 63 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | 112 |
| | HSK-A 63 | 14 | 90 | 27 | 34 | 47 | 37 | M10x1 | 114 |
| | HSK-A 63 | 16 | 95 | 27 | 34 | 50 | 40 | M12x1 | 116 |
| | HSK-A 63 | 18 | 95 | 33 | 42 | 50 | 40 | M12x1 | 118 |
| | HSK-A 63 | 20 | 100 | 33 | 42 | 52 | 42 | M16x1 | 120 |
| | HSK-A 63 | 25 | 115 | 44 | 53 | 58 | 48 | M16x1 | 125 |
| HSK-A 63 | 32 | 120 | 44 | 53 | 62 | 52 | M16x1 | 132 | |

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

| Spare parts DCONWS | | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... | | |
|-----------------------|-------------|---------------------------|---------------------------|---------------------------|---------------|---------------|
| | | | | | Stop screw IK | Stop screw IK |
| 3 - 4 | M6x14 - SW2 | 417 | | M2x6 | 512 | |
| 5 | | | M5x12,5 - SW2,5 | 418 | M2x6 | 512 |
| 6 | | | M6x12,5 - SW3 | 419 | M2x6 | 512 |
| 8 | | | M8x1x13,5 - SW3 | 420 | M2x6 | 512 |
| 10 - 14 | | | M10x1x13,5 - SW5 | 421 | M2x6 | 512 |
| 16 - 18 | M12x1 - SW5 | 510 | | | M2x6 | 512 |
| 20 - 32 | M16x1 - SW5 | 511 | | | M2x6 | 512 |

Accessories



→ 17|10

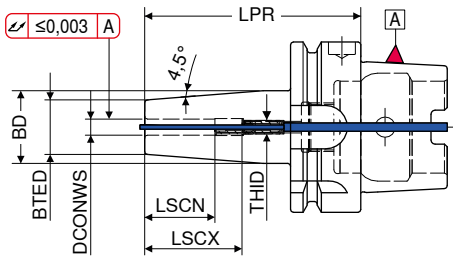
→ 138

→ 17|34

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. 84 305 ... |
|------------|-----------|--------|-----|------|----|------|------|-------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | | |
| short | HSK-A 100 | 6 | 85 | 21 | 27 | 36 | 26 | M5 | 106 |
| | HSK-A 100 | 8 | 85 | 21 | 27 | 36 | 26 | M6 | 108 |
| | HSK-A 100 | 10 | 90 | 24 | 32 | 41 | 31 | M8x1 | 110 |
| | HSK-A 100 | 12 | 95 | 24 | 32 | 47 | 37 | M10x1 | 112 |
| | HSK-A 100 | 14 | 95 | 27 | 34 | 47 | 37 | M10x1 | 114 |
| | HSK-A 100 | 16 | 100 | 27 | 34 | 50 | 40 | M12x1 | 116 |
| | HSK-A 100 | 18 | 100 | 33 | 42 | 50 | 40 | M12x1 | 118 |
| | HSK-A 100 | 20 | 105 | 33 | 42 | 52 | 42 | M16x1 | 120 |
| | HSK-A 100 | 25 | 115 | 44 | 53 | 58 | 48 | M16x1 | 125 |
| | HSK-A 100 | 32 | 120 | 44 | 53 | 62 | 52 | M16x1 | 132 |
| long | HSK-A 100 | 6 | 120 | 21 | 27 | 36 | 26 | M5 | 206 |
| | HSK-A 100 | 8 | 120 | 21 | 27 | 36 | 26 | M6 | 208 |
| | HSK-A 100 | 10 | 120 | 24 | 32 | 41 | 31 | M8x1 | 210 |
| | HSK-A 100 | 12 | 120 | 24 | 32 | 47 | 37 | M10x1 | 212 |
| | HSK-A 100 | 14 | 120 | 27 | 34 | 47 | 37 | M10x1 | 214 |
| | HSK-A 100 | 16 | 120 | 27 | 34 | 50 | 40 | M12x1 | 216 |
| | HSK-A 100 | 18 | 120 | 33 | 42 | 50 | 40 | M12x1 | 218 |
| | HSK-A 100 | 20 | 120 | 33 | 42 | 52 | 42 | M16x1 | 220 |
| | HSK-A 100 | 25 | 120 | 44 | 53 | 58 | 48 | M16x1 | 225 |
| extra-long | HSK-A 100 | 6 | 160 | 21 | 27 | 36 | 26 | M5 | 306 |
| | HSK-A 100 | 8 | 160 | 21 | 27 | 36 | 26 | M6 | 308 |
| | HSK-A 100 | 10 | 160 | 24 | 32 | 41 | 31 | M8x1 | 310 |
| | HSK-A 100 | 12 | 160 | 24 | 32 | 47 | 37 | M10x1 | 312 |
| | HSK-A 100 | 14 | 160 | 27 | 34 | 47 | 37 | M10x1 | 314 |
| | HSK-A 100 | 16 | 160 | 27 | 34 | 50 | 40 | M12x1 | 316 |
| | HSK-A 100 | 18 | 160 | 33 | 42 | 50 | 40 | M12x1 | 318 |
| | HSK-A 100 | 20 | 160 | 33 | 42 | 52 | 42 | M16x1 | 320 |
| | HSK-A 100 | 25 | 160 | 44 | 53 | 58 | 48 | M16x1 | 325 |
| | HSK-A 100 | 32 | 160 | 44 | 53 | 62 | 52 | M16x1 | 332 |

| Article no. 84 305 ... |
|---------------------------|
| 106 |
| 108 |
| 110 |
| 112 |
| 114 |
| 116 |
| 118 |
| 120 |
| 125 |
| 132 |
| 206 |
| 208 |
| 210 |
| 212 |
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| 220 |
| 225 |
| 306 |
| 308 |
| 310 |
| 312 |
| 314 |
| 316 |
| 318 |
| 320 |
| 325 |
| 332 |

→ Min. clamping depth, Page 233



Spare parts
DCONWS

| DCONWS | Article no. 83 950 ... |
|---------|---------------------------|
| 6 | M5x12,5 - SW2,5 418 |
| 8 | M6x12,5 - SW3 419 |
| 10 | M8x1x13,5 - SW3 420 |
| 12 - 14 | M10x1x13,5 - SW5 421 |
| 16 - 18 | M12x1x13,5 - SW5 422 |
| 20 - 32 | M16x1x13,5 - SW8 424 |

Accessories

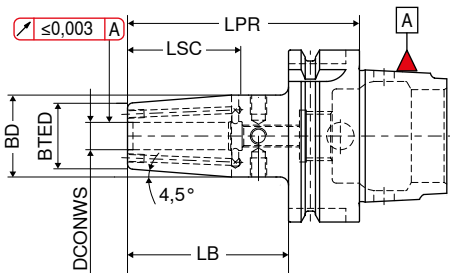
| | | |
|----------------------|-----------------------|---------|
| | | |
| Shrink fit extension | Coolant transfer pipe | Others |
| → 17 10 | → 138 | → 17 34 |

Shrink fit adapters 4.5°

- ▲ Version for high clamping force
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder with adjustable back stop



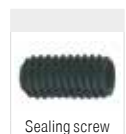
AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LB | LSC | Article no. 84 717 ... |
|-------|-----------|--------|-----|------|----|----|------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | |
| short | HSK-A 63 | 6 | 80 | 21 | 26 | 54 | 36,5 | 606 |
| | HSK-A 63 | 8 | 80 | 21 | 26 | 54 | 36,5 | 608 |
| | HSK-A 63 | 10 | 85 | 24 | 30 | 59 | 41,5 | 610 |
| | HSK-A 63 | 12 | 90 | 24 | 30 | 64 | 46,5 | 612 |
| | HSK-A 63 | 14 | 90 | 27 | 34 | 64 | 46,5 | 614 |
| | HSK-A 63 | 16 | 95 | 27 | 34 | 69 | 49,5 | 616 |
| | HSK-A 63 | 18 | 95 | 33 | 41 | 69 | 49,5 | 618 |
| | HSK-A 63 | 20 | 100 | 33 | 41 | 74 | 51,5 | 620 |
| | HSK-A 63 | 25 | 115 | 44 | 52 | 89 | 57,5 | 625 |
| | HSK-A 63 | 32 | 120 | 44 | 52 | 94 | 61,5 | 632 |
| | HSK-A 100 | 6 | 85 | 21 | 26 | 56 | 36,5 | 106 |
| | HSK-A 100 | 8 | 85 | 21 | 26 | 56 | 36,5 | 108 |
| | HSK-A 100 | 10 | 90 | 24 | 30 | 56 | 41,5 | 110 |
| | HSK-A 100 | 12 | 95 | 24 | 30 | 66 | 46,5 | 112 |
| | HSK-A 100 | 14 | 95 | 27 | 34 | 66 | 46,5 | 114 |
| | HSK-A 100 | 16 | 100 | 27 | 34 | 71 | 49,5 | 116 |
| | HSK-A 100 | 18 | 100 | 33 | 42 | 71 | 49,5 | 118 |
| | HSK-A 100 | 20 | 105 | 33 | 42 | 76 | 51,5 | 120 |
| | HSK-A 100 | 25 | 115 | 44 | 53 | 86 | 57,5 | 125 |
| | HSK-A 100 | 32 | 120 | 44 | 53 | 91 | 61,5 | 132 |

→ Min. clamping depth, Page 233



Stop screw IK



Sealing screw

Spare parts DCONWS

| | Article no. 62 950 ... | Article no. 62 950 ... |
|---------|---------------------------|---------------------------|
| 6 | M5x0,8x14 | 402 |
| 8 | M6x1x16 | 403 |
| 10 | M8x1x20 | 404 |
| 12 - 18 | M10x1x20 | 405 |
| 20 | M12x1x20 | 406 |
| 25 - 32 | M12x1x20 | 406 |
| | M3x6 | 411 |
| | M3x6 | 411 |
| | M3x6 | 411 |
| | M3x6 | 411 |
| | M3x6 | 411 |
| | M4x8 | 412 |

i Sealing screw for closing of two additional coolant holes.

Accessories

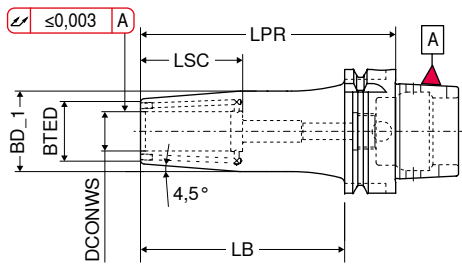
| | | |
|----------------------|-----------------------|---------|
| | | |
| Shrink fit extension | Coolant transfer pipe | Others |
| → 17110 | → 138 | → 17134 |

Shrink fit adapters 4.5°

- ▲ Version for high clamping force
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder with adjustable back stop



AD
G 2,5 n_{max} 25000



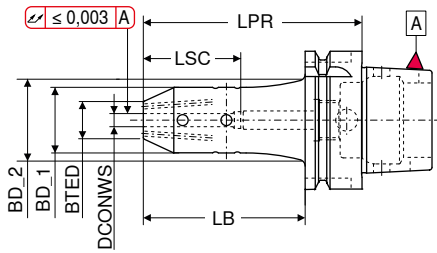
AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD_1 | LB | LSC | Article no. | | |
|---------------|------------|----------|-----|------|------|-----|------|-------------|------------|-----|
| | | | | | | | | 84 720 ... | 84 723 ... | |
| medium length | HSK-A 63 | 6 | 130 | 21 | 27 | 104 | 36,5 | 606 | | |
| | HSK-A 63 | 8 | 130 | 21 | 27 | 104 | 36,5 | 608 | | |
| | HSK-A 63 | 10 | 130 | 24 | 32 | 104 | 41,5 | 610 | | |
| | HSK-A 63 | 12 | 130 | 24 | 32 | 104 | 46,5 | 612 | | |
| | HSK-A 63 | 14 | 130 | 27 | 34 | 104 | 46,5 | 614 | | |
| | HSK-A 63 | 16 | 130 | 27 | 34 | 104 | 49,5 | 616 | | |
| | HSK-A 63 | 18 | 130 | 33 | 41 | 104 | 49,5 | 618 | | |
| | HSK-A 63 | 20 | 130 | 33 | 41 | 104 | 51,5 | 620 | | |
| | HSK-A 100 | 6 | 130 | 21 | 27 | 101 | 36,5 | 106 | | |
| | HSK-A 100 | 8 | 130 | 21 | 27 | 101 | 36,5 | 108 | | |
| | HSK-A 100 | 10 | 130 | 24 | 32 | 101 | 41,5 | 110 | | |
| | HSK-A 100 | 12 | 130 | 24 | 32 | 101 | 46,5 | 112 | | |
| | HSK-A 100 | 14 | 130 | 27 | 34 | 101 | 46,5 | 114 | | |
| | HSK-A 100 | 16 | 130 | 27 | 34 | 101 | 49,5 | 116 | | |
| | HSK-A 100 | 18 | 130 | 33 | 41 | 101 | 49,5 | 118 | | |
| | HSK-A 100 | 20 | 130 | 33 | 41 | 101 | 51,5 | 120 | | |
| | extra-long | HSK-A 63 | 6 | 160 | 21 | 27 | 134 | 36,5 | | 606 |
| | | HSK-A 63 | 8 | 160 | 21 | 27 | 134 | 36,5 | | 608 |
| HSK-A 63 | | 10 | 160 | 24 | 32 | 134 | 41,5 | | 610 | |
| HSK-A 63 | | 12 | 160 | 24 | 32 | 134 | 46,5 | | 612 | |
| HSK-A 63 | | 14 | 160 | 27 | 34 | 134 | 46,5 | | 614 | |
| HSK-A 63 | | 16 | 160 | 27 | 34 | 134 | 49,5 | | 616 | |
| HSK-A 63 | | 18 | 160 | 33 | 41 | 134 | 49,5 | | 618 | |
| HSK-A 63 | | 20 | 160 | 33 | 41 | 134 | 51,5 | | 620 | |
| HSK-A 100 | | 6 | 160 | 21 | 27 | 131 | 36,5 | | 106 | |
| HSK-A 100 | | 8 | 160 | 21 | 27 | 131 | 36,5 | | 108 | |
| HSK-A 100 | | 10 | 160 | 24 | 32 | 131 | 41,5 | | 110 | |
| HSK-A 100 | | 12 | 160 | 24 | 32 | 131 | 46,5 | | 112 | |
| HSK-A 100 | | 14 | 160 | 27 | 34 | 131 | 46,5 | | 114 | |
| HSK-A 100 | | 16 | 160 | 27 | 34 | 131 | 49,5 | | 116 | |
| HSK-A 100 | | 18 | 160 | 33 | 41 | 131 | 49,5 | | 118 | |
| HSK-A 100 | | 20 | 160 | 33 | 41 | 131 | 51,5 | | 120 | |
| HSK-A 100 | | 25 | 160 | 44 | 53 | 131 | 57,5 | | 125 | |
| HSK-A 100 | | 32 | 160 | 44 | 53 | 131 | 61,5 | | 132 | |

→ Min. clamping depth, Page 233

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

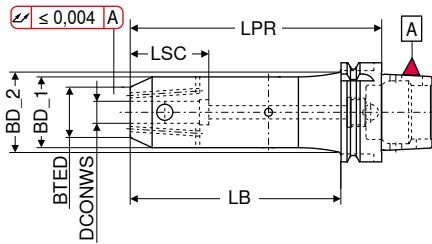
| | Adapter | DCONWS _{H5} | LPR | BD_1 | BTED | LB | LSC | BD_2 | Article no. | | | | |
|-----------|-----------|----------------------|-----|------|------|----|-----|------|-------------|-------------------|-------------------|-------------------|--|
| | | | | | | | | | 84 700 ... | 84 701 ... | 84 704 ... | 84 705 ... | |
| | | mm | mm | mm | mm | mm | mm | mm | | | | | |
| short | HSK-A 63 | 6 | 65 | 30 | 17 | 39 | 34 | | 606 | 606 ¹⁾ | | | |
| | HSK-A 63 | 8 | 65 | 32 | 20 | 39 | 34 | | 608 | 608 ¹⁾ | | | |
| | HSK-A 63 | 10 | 65 | 35 | 25 | 39 | 39 | | 610 | 610 ¹⁾ | | | |
| | HSK-A 63 | 12 | 80 | 42 | 30 | 54 | 44 | | 612 | 612 ¹⁾ | | | |
| | HSK-A 63 | 14 | 80 | 45 | 32 | 54 | 44 | | 614 | 614 ¹⁾ | | | |
| | HSK-A 63 | 16 | 80 | 48 | 36 | 54 | 47 | | 616 | 616 ¹⁾ | | | |
| | HSK-A 63 | 18 | 80 | 48 | 38 | 54 | 47 | | 618 | 618 ¹⁾ | | | |
| | HSK-A 63 | 20 | 80 | 52 | 40 | 54 | 49 | | 620 | 620 ¹⁾ | | | |
| | HSK-A 63 | 25 | 110 | 63 | 45 | 84 | 54 | | 625 | 625 ¹⁾ | | | |
| | HSK-A 63 | 32 | 110 | 72 | 52 | 84 | 58 | | 632 | 632 ¹⁾ | | | |
| short | HSK-A 100 | 6 | 80 | 30 | 17 | 51 | 34 | | 106 | | | | |
| | HSK-A 100 | 8 | 80 | 32 | 20 | 51 | 34 | | 108 | | | | |
| | HSK-A 100 | 10 | 80 | 35 | 25 | 51 | 39 | | 110 | | | | |
| | HSK-A 100 | 12 | 80 | 42 | 30 | 51 | 44 | | 112 | | | | |
| | HSK-A 100 | 14 | 80 | 45 | 32 | 51 | 44 | | 114 | | | | |
| | HSK-A 100 | 16 | 100 | 48 | 36 | 71 | 47 | | 116 | | | | |
| | HSK-A 100 | 18 | 100 | 48 | 38 | 71 | 47 | | 118 | | | | |
| | HSK-A 100 | 20 | 100 | 52 | 40 | 71 | 49 | | 120 | | | | |
| | HSK-A 100 | 25 | 100 | 65 | 45 | 71 | 54 | | 125 | | | | |
| | HSK-A 100 | 32 | 100 | 72 | 52 | 71 | 58 | | 132 | | | | |
| HSK-A 100 | 40 | 110 | 80 | 60 | 81 | 68 | | 140 | | | | | |
| long | HSK-A 63 | 6 | 100 | 30 | 17 | 74 | 34 | 36,2 | | | 606 | 606 ¹⁾ | |
| | HSK-A 63 | 8 | 100 | 32 | 20 | 74 | 34 | 38,2 | | | 608 | 608 ¹⁾ | |
| | HSK-A 63 | 10 | 100 | 35 | 25 | 74 | 39 | 41,2 | | | 610 | 610 ¹⁾ | |
| | HSK-A 63 | 12 | 100 | 42 | 30 | 74 | 44 | | | 612 | 612 ¹⁾ | | |
| | HSK-A 63 | 14 | 100 | 45 | 32 | 74 | 44 | | | 614 | 614 ¹⁾ | | |
| | HSK-A 63 | 16 | 100 | 48 | 36 | 74 | 47 | | | 616 | 616 ¹⁾ | | |
| | HSK-A 63 | 18 | 100 | 48 | 38 | 74 | 47 | | | 618 | 618 ¹⁾ | | |
| | HSK-A 63 | 20 | 100 | 52 | 40 | 74 | 49 | | | 620 | 620 ¹⁾ | | |

1) Without threads for balancing screws

i Spare parts and accessories on → **Page 110**

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000



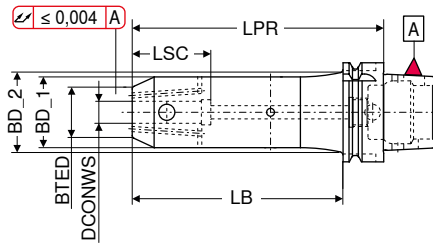
AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BD_1 | BTED | LB | LSC | BD_2 | Article no. 84 706 ... | Article no. 84 708 ... |
|---------------|----------|--------|-----|------|------|-----|-----|------|----------------------------------|----------------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | | |
| medium length | HSK-A 63 | 6 | 130 | 30 | 17 | 104 | 34 | 36,2 | 606 | 606 |
| | HSK-A 63 | 8 | 130 | 32 | 20 | 104 | 34 | 38,2 | 608 | 608 |
| | HSK-A 63 | 10 | 130 | 35 | 25 | 104 | 39 | 41,2 | 610 | 610 |
| | HSK-A 63 | 12 | 130 | 42 | 30 | 104 | 44 | 48,2 | 612 | 612 |
| | HSK-A 63 | 14 | 130 | 45 | 32 | 104 | 44 | 50,5 | 614 | 614 |
| | HSK-A 63 | 16 | 130 | 48 | 36 | 104 | 47 | 50,1 | 616 | 616 |
| | HSK-A 63 | 18 | 130 | 48 | 38 | 104 | 47 | 50,1 | 618 | 618 |
| | HSK-A 63 | 20 | 130 | 52 | 40 | 104 | 49 | | 620 | 620 |
| | HSK-A 63 | 25 | 130 | 63 | 45 | 104 | 54 | | 625 | |
| | HSK-A 63 | 32 | 130 | 72 | 52 | 104 | 58 | | 632 | |

i Spare parts and accessories on → **Page 110**

Sidelock holder (Weldon)

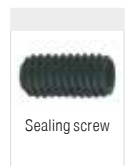
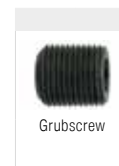
▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000

Article no.
84 707 ...

| | Adapter | DCONWS _{H5} | LPR | BD_1 | BTED | LB | LSC | BD_2 | Article no. 84 707 ... |
|------------|-----------|----------------------|-----|------|------|-----|-----|------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | mm | |
| extra-long | HSK-A 63 | 6 | 160 | 30 | 17 | 134 | 34 | 36,2 | 606 |
| | HSK-A 63 | 8 | 160 | 32 | 20 | 134 | 34 | 38,2 | 608 |
| | HSK-A 63 | 10 | 160 | 35 | 25 | 134 | 39 | 41,2 | 610 |
| | HSK-A 63 | 12 | 160 | 42 | 30 | 134 | 44 | 48,2 | 612 |
| | HSK-A 63 | 14 | 160 | 45 | 32 | 134 | 44 | 50,5 | 614 |
| | HSK-A 63 | 16 | 160 | 48 | 36 | 134 | 47 | 50,1 | 616 |
| | HSK-A 63 | 18 | 160 | 48 | 38 | 134 | 47 | 50,1 | 618 |
| | HSK-A 63 | 20 | 160 | 52 | 40 | 134 | 49 | | 620 |
| | HSK-A 63 | 25 | 160 | 63 | 45 | 134 | 54 | | 625 |
| | HSK-A 100 | 6 | 160 | 30 | 17 | 131 | 34 | 38,2 | 106 |
| | HSK-A 100 | 8 | 160 | 32 | 20 | 131 | 34 | 40,2 | 108 |
| | HSK-A 100 | 10 | 160 | 35 | 25 | 131 | 39 | 43,2 | 110 |
| | HSK-A 100 | 12 | 160 | 42 | 30 | 131 | 44 | 50,2 | 112 |
| | HSK-A 100 | 14 | 160 | 45 | 32 | 131 | 44 | 53,2 | 114 |
| | HSK-A 100 | 16 | 160 | 48 | 36 | 131 | 47 | 56,2 | 116 |
| | HSK-A 100 | 18 | 160 | 48 | 38 | 131 | 47 | 56,2 | 118 |
| | HSK-A 100 | 20 | 160 | 52 | 40 | 131 | 49 | 60,2 | 120 |
| | HSK-A 100 | 25 | 160 | 65 | 45 | 131 | 54 | 73,2 | 125 |
| | HSK-A 100 | 32 | 160 | 72 | 52 | 134 | 58 | 79,5 | 132 |



Spare parts DCONWS_{H5}


| | | Article no. 62 950 ... | | Article no. 62 950 ... |
|---------|----------|---------------------------|------|---------------------------|
| 6 | M6x10 | 422 | M3x6 | 411 |
| 8 | M8x10 | 423 | M3x6 | 411 |
| 10 | M10x12 | 424 | M3x6 | 411 |
| 12 - 14 | M12x16 | 425 | M3x6 | 411 |
| 16 - 18 | M14x16 | 426 | M3x6 | 411 |
| 20 | M16x16 | 427 | M3x6 | 411 |
| 25 | M18x2x20 | 428 | M4x8 | 412 |
| 32 - 40 | M20x2x20 | 429 | M4x8 | 412 |

i Sealing screw for closing of two additional coolant holes.

Accessories



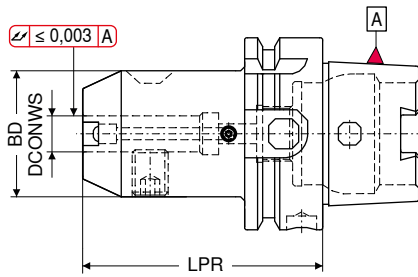
Coolant transfer pipe
→ 138



Others
→ 17|34

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 18000



AD
G 2,5 n_{max} 18000



AD
G 6,3 n_{max} 15000



ADe
G 2,5 n_{max} 18000

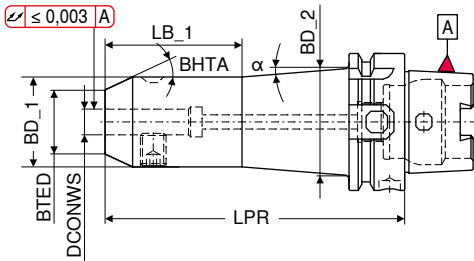


ADe
G 6,3 n_{max} 15000

| | Adapter | DCONWS _{H4} | LPR | BD | AD G 2,5 n _{max} 18000 | | AD G 6,3 n _{max} 15000 | | ADe G 2,5 n _{max} 18000 | | ADe G 6,3 n _{max} 15000 | |
|-----------|-----------|----------------------|-----|----|---------------------------------|---------------------------|---------------------------------|---------------------------|----------------------------------|--|----------------------------------|-----|
| | | | | | Article no. 81 736 ... | Article no. 81 731 ... | Article no. 81 731 ... | Article no. 81 730 ... | Article no. 81 730 ... | | | |
| | | mm | mm | mm | | | | | | | | |
| short | HSK-A 32 | 6 | 60 | 25 | | 306 | | | | | | |
| | HSK-A 32 | 8 | 60 | 28 | | 308 | | | | | | |
| | HSK-A 32 | 10 | 65 | 35 | | 310 | | | | | | |
| | HSK-A 32 | 12 | 75 | 42 | | 312 | | | | | | |
| | HSK-A 32 | 16 | 75 | 48 | | 316 | | | | | | |
| | HSK-A 40 | 6 | 60 | 25 | | 406 | | | | | | |
| | HSK-A 40 | 8 | 60 | 28 | | 408 | | | | | | |
| | HSK-A 40 | 10 | 65 | 34 | | 410 | | | | | | |
| | HSK-A 40 | 12 | 70 | 42 | | 412 | | | | | | |
| | HSK-A 40 | 16 | 80 | 48 | | 416 | | | | | | |
| | HSK-A 40 | 20 | 80 | 52 | | 420 | | | | | | |
| | HSK-A 50 | 6 | 65 | 25 | | 506 | | | | | | |
| | HSK-A 50 | 8 | 65 | 28 | | 508 | | | | | | |
| | HSK-A 50 | 10 | 65 | 35 | | 510 | | | | | | |
| | HSK-A 50 | 12 | 80 | 42 | | 512 | | | | | | |
| | HSK-A 50 | 16 | 80 | 48 | | 516 | | | | | | |
| | HSK-A 50 | 20 | 80 | 52 | | 520 | | | | | | |
| | HSK-A 50 | 25 | 105 | 65 | | 525 | | | | | | |
| | HSK-A 50 | 32 | 120 | 72 | | 532 | | | | | | |
| | HSK-A 63 | 6 | 65 | 25 | | 606 | | | 606 | | | |
| | HSK-A 63 | 8 | 65 | 28 | | 608 | | | 608 | | | |
| | HSK-A 63 | 10 | 65 | 35 | | 610 | | | 610 | | | |
| | HSK-A 63 | 12 | 80 | 42 | | 612 | | | 612 | | | |
| | HSK-A 63 | 14 | 80 | 44 | | 614 | | | 614 | | | |
| | HSK-A 63 | 16 | 80 | 48 | | 616 | | | 616 | | | |
| | HSK-A 63 | 18 | 80 | 50 | | 618 | | | 618 | | | |
| | HSK-A 63 | 20 | 80 | 52 | | 620 | | | 620 | | | |
| | HSK-A 63 | 25 | 110 | 65 | | 625 | | | 625 | | | |
| | HSK-A 63 | 32 | 110 | 72 | | 632 | | | 632 | | | |
| | HSK-A 63 | 40 | 125 | 80 | | | | | 640 | | | |
| | HSK-A 100 | 6 | 80 | 25 | | | | 106 | | | | 106 |
| | HSK-A 100 | 8 | 80 | 28 | | | | 108 | | | | 108 |
| HSK-A 100 | 10 | 80 | 35 | | | | 110 | | | | 110 | |
| HSK-A 100 | 12 | 80 | 42 | | | | 112 | | | | 112 | |
| HSK-A 100 | 14 | 80 | 44 | | | | 114 | | | | 114 | |
| HSK-A 100 | 16 | 100 | 48 | | | | 116 | | | | 116 | |
| HSK-A 100 | 18 | 100 | 50 | | | | 118 | | | | 118 | |
| HSK-A 100 | 20 | 100 | 52 | | | | 120 | | | | 120 | |
| HSK-A 100 | 25 | 100 | 65 | | | | 125 | | | | 125 | |
| HSK-A 100 | 32 | 100 | 72 | | | | 132 | | | | 132 | |
| HSK-A 100 | 40 | 105 | 80 | | | | 140 | | | | 140 | |
| long | HSK-A 63 | 6 | 100 | 25 | 606 | | | | | | | |
| | HSK-A 63 | 8 | 100 | 28 | 608 | | | | | | | |
| | HSK-A 63 | 10 | 100 | 35 | 610 | | | | | | | |
| | HSK-A 63 | 12 | 100 | 42 | 612 | | | | | | | |
| | HSK-A 63 | 16 | 100 | 48 | 616 | | | | | | | |
| | HSK-A 63 | 40 | 125 | 80 | 640 | | | | | | | |

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



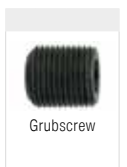
AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 10000

| | Adapter | DCONWS _{H4} | LPR | BD_1 | BD_2 | BTED | LB_1 | BHTA | α° | Article no. | Article no. |
|------------|-----------|----------------------|-----|------|------|------|------|------|-----|-------------------|-------------|
| | | | | | | | | | | 81 732 ... | 81 732 ... |
| extra-long | HSK-A 63 | 6 | 160 | 25 | 34,7 | 15 | 50 | 25° | 3,5 | 606 | |
| | HSK-A 63 | 8 | 160 | 28 | 37,9 | 20 | 50 | 25° | 3,5 | 608 | |
| | HSK-A 63 | 10 | 160 | 35 | 43,7 | 25 | 60 | 25° | 3,5 | 610 | |
| | HSK-A 63 | 12 | 160 | 42 | | 30 | | 25° | | 612 ¹⁾ | |
| | HSK-A 63 | 16 | 160 | 48 | | 36 | | 25° | | 616 ¹⁾ | |
| | HSK-A 63 | 20 | 160 | 52 | | 40 | | 25° | | 620 ¹⁾ | |
| | HSK-A 100 | 6 | 160 | 25 | 45,2 | 15 | 50 | 25° | 7,5 | | 106 |
| | HSK-A 100 | 8 | 160 | 28 | 48,7 | 20 | 50 | 25° | 7,5 | | 108 |
| | HSK-A 100 | 10 | 160 | 35 | 51,2 | 25 | 65 | 25° | 7,5 | | 110 |
| | HSK-A 100 | 12 | 160 | 42 | 59,5 | 30 | 60 | 25° | 7,5 | | 112 |
| | HSK-A 100 | 16 | 160 | 48 | 62,9 | 36 | 70 | 25° | 7,5 | | 116 |
| | HSK-A 100 | 20 | 160 | 52 | 69,6 | 40 | 60 | 25° | 7,5 | | 120 |
| | HSK-A 100 | 25 | 160 | 65 | 77,5 | 45 | 80 | 45° | 7,5 | | 125 |

1) Cylindrical shank adapter



Spare parts DCONWS_{H4}

| | | Article no. 62 950 ... |
|----|----------|---------------------------|
| 6 | M6x10 | 006 |
| 8 | M8x10 | 008 |
| 10 | M10x12 | 010 |
| 12 | M12x16 | 012 |
| 14 | M12x16 | 012 |
| 16 | M14x16 | 016 |
| 18 | M14x16 | 016 |
| 20 | M16x16 | 020 |
| 25 | M18x2x20 | 025 |
| 32 | M20x2x20 | 032 |
| 40 | M20x2x20 | 032 |

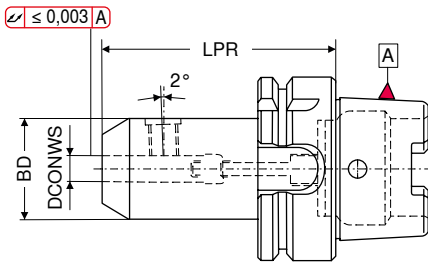
Accessories

Coolant transfer pipe
→ 138

Others
→ 17|34

Tool holder for tools with angled clamping flat (Whistle Notch)

▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat

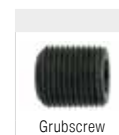


AD
G 2,5 n_{max} 18000

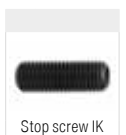


AD
G 6,3 n_{max} 15000

| | Adapter | DCONWS _{H4} | | | LPR | BD | Article no. | |
|-----------|-----------|----------------------|-----|----|-----|----|-------------|------------|
| | | mm | | | | | 81 733 ... | 81 733 ... |
| short | HSK-A 63 | 6 | 80 | 25 | | | 606 | |
| | HSK-A 63 | 8 | 80 | 28 | | | 608 | |
| | HSK-A 63 | 10 | 80 | 35 | | | 610 | |
| | HSK-A 63 | 12 | 90 | 42 | | | 612 | |
| | HSK-A 63 | 14 | 90 | 44 | | | 614 | |
| | HSK-A 63 | 16 | 100 | 48 | | | 616 | |
| | HSK-A 63 | 18 | 100 | 50 | | | 618 | |
| | HSK-A 63 | 20 | 100 | 52 | | | 620 | |
| | HSK-A 63 | 25 | 110 | 65 | | | 625 | |
| | HSK-A 63 | 32 | 110 | 72 | | | 632 | |
| | HSK-A 100 | 6 | 90 | 25 | | | | 106 |
| | HSK-A 100 | 8 | 90 | 28 | | | | 108 |
| | HSK-A 100 | 10 | 90 | 35 | | | | 110 |
| | HSK-A 100 | 12 | 100 | 42 | | | | 112 |
| | HSK-A 100 | 14 | 100 | 44 | | | | 114 |
| | HSK-A 100 | 16 | 100 | 48 | | | | 116 |
| | HSK-A 100 | 18 | 100 | 50 | | | | 118 |
| | HSK-A 100 | 20 | 110 | 52 | | | | 120 |
| | HSK-A 100 | 25 | 120 | 65 | | | | 125 |
| | HSK-A 100 | 32 | 120 | 72 | | | | 132 |
| HSK-A 100 | 40 | 120 | 80 | | | | 140 | |



Article no.
62 950 ...



Article no.
81 950 ...

Spare parts
DCONWS_{H4}

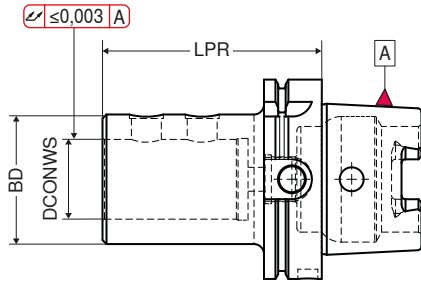
| DCONWS _{H4} | | Article no. | | Article no. |
|----------------------|----------|-------------|------------|-------------|
| | | 62 950 ... | | 81 950 ... |
| 6 | M6x10 | 006 | M5x15 | 050 |
| 8 | M8x10 | 008 | M6x15 | 051 |
| 10 | M10x12 | 010 | M8x15 | 052 |
| 12 - 14 | M12x16 | 012 | M10x15 | 053 |
| 16 - 18 | M14x16 | 016 | M12x15 | 054 |
| 20 | M16x16 | 020 | M16x15 | 055 |
| 25 | M18x2x20 | 025 | M20x15 | 056 |
| 32 | M20x2x20 | 032 | M20x15 | 056 |
| 40 | M20x2x20 | 032 | M22x1,5x15 | 057 |

Accessories

Coolant transfer pipe
→ 138

Others
→ 17|34

Indexable insert drill adapter ISO 12164 HSK Form A



AD
G 6,3 n_{max} 15000

| Adapter | DCONWS | LPR | BD | Article no. |
|-----------|--------|-----|----|-------------|
| | mm | mm | mm | 10 842 ... |
| HSK-A 63 | 20 | 80 | 40 | 320 |
| HSK-A 63 | 25 | 90 | 45 | 325 |
| HSK-A 63 | 32 | 90 | 52 | 332 |
| HSK-A 63 | 40 | 110 | 65 | 340 |
| HSK-A 100 | 20 | 90 | 40 | 420 |
| HSK-A 100 | 25 | 100 | 45 | 425 |
| HSK-A 100 | 32 | 100 | 52 | 432 |
| HSK-A 100 | 40 | 110 | 65 | 440 |
| HSK-A 100 | 50 | 120 | 75 | 450 |

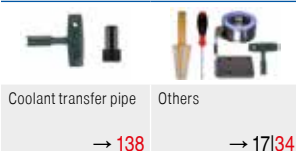
i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**



Grubscrew

| Spare parts | Article no. |
|-------------|--------------|
| DCONWS | 10 950 ... |
| 20 | M10x1x10 001 |
| 25 - 32 | M12x1x10 002 |
| 40 - 50 | M16x1x12 003 |

Accessories



Coolant transfer pipe

Others

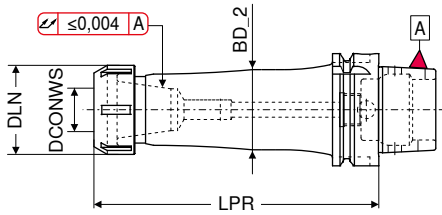
→ 138

→ 17|34

ER Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS mm | LPR mm | DLN mm | BD_2 mm | TQX Nm | for collet | Article no. | Article no. | Article no. |
|------------|-----------|--------------|-----------|-----------|------------|-----------|------------------|-------------|-------------|-------------|
| | | | | | | | | 84 726 ... | 84 732 ... | 84 738 ... |
| long | HSK-A 63 | 1 - 10 | 100 | 22 | 27 | 8 - 56 | 426E (ER16 mini) | 610 | | |
| | HSK-A 63 | 1 - 16 | 100 | 42 | 37 | 24 - 104 | 430E (ER25) | 616 | | |
| | HSK-A 63 | 2 - 20 | 100 | 50 | 45 | 24 - 136 | 470E (ER32) | 620 | | |
| | HSK-A 63 | 3 - 26 | 100 | 63 | 52 | 176 | 472E (ER40) | 626 | | |
| | HSK-A 100 | 1 - 10 | 100 | 22 | 27 | 8 - 56 | 426E (ER16 mini) | 110 | | |
| | HSK-A 100 | 1 - 16 | 100 | 42 | 37 | 24 - 104 | 430E (ER25) | 116 | | |
| | HSK-A 100 | 2 - 20 | 100 | 50 | 45 | 24 - 136 | 470E (ER32) | 120 | | |
| | HSK-A 100 | 3 - 26 | 100 | 63 | 56 | 176 | 472E (ER40) | 126 | | |
| extra-long | HSK-A 63 | 1 - 10 | 160 | 22 | 27 | 8 - 56 | 426E (ER16 mini) | | | 610 |
| | HSK-A 63 | 1 - 16 | 160 | 42 | 37 | 24 - 104 | 430E (ER25) | | | 616 |
| | HSK-A 63 | 2 - 20 | 160 | 50 | 45 | 24 - 136 | 470E (ER32) | | | 620 |
| | HSK-A 63 | 3 - 26 | 160 | 63 | 52 | 176 | 472E (ER40) | | | 626 |
| | HSK-A 100 | 1 - 10 | 200 | 22 | 27 | 8 - 56 | 426E (ER16 mini) | | | 110 |
| | HSK-A 100 | 1 - 16 | 200 | 42 | 37 | 24 - 104 | 430E (ER25) | | | 116 |
| | HSK-A 100 | 2 - 20 | 200 | 50 | 45 | 24 - 136 | 470E (ER32) | | | 120 |
| | HSK-A 100 | 3 - 26 | 200 | 63 | 56 | 176 | 472E (ER40) | | | 126 |
| | HSK-A 100 | 1 - 10 | 160 | 22 | 27 | 8 - 56 | 426E (ER16 mini) | | 110 | |
| | HSK-A 100 | 1 - 16 | 160 | 42 | 37 | 24 - 104 | 430E (ER25) | | 116 | |
| | HSK-A 100 | 2 - 20 | 160 | 50 | 45 | 24 - 136 | 470E (ER32) | | 120 | |
| | HSK-A 100 | 3 - 26 | 160 | 63 | 56 | 176 | 472E (ER40) | | 126 | |

Spare parts

for collet

| | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 357 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... |
|------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 426E (ER16 mini) | | | | 101 | 066 | 058 | 403 |
| 430E (ER25) | 055 | 055 | 125 | | | | 406 |
| 470E (ER32) | 056 | 056 | 132 | | | | 406 |
| 472E (ER40) | 057 | 057 | 140 | | | | 406 |

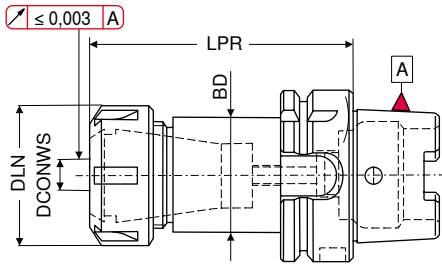
Accessories

| | | |
|----------------|-----------------------|---------|
| | | |
| ER collet | Coolant transfer pipe | Others |
| → 206, 211-215 | → 138 | → 17 34 |

ER-Collet chuck

Scope of supply:

Toolholder with lock nut and adjustable back stop



AD
G 6,3 n_{max} 15000



AD
G 2,5 n_{max} 18000



AD
G 2,5 n_{max} 18000



AD
G 6,3 n_{max} 15000



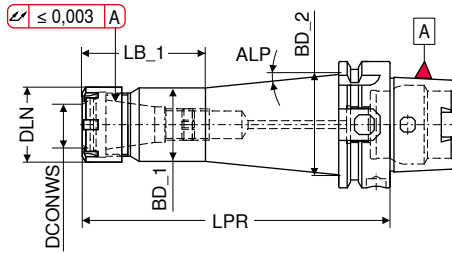
AD
G 6,3 n_{max} 10000

| | Adapter | DCONWS mm | LPR mm | DLN mm | BD mm | TQX Nm | for collet | Article no. | Article no. | Article no. | Article no. | Article no. |
|---------------|-----------|--------------|-----------|-----------|----------|-----------|------------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | | | 81 735 ... | 81 735 ... | 81 737 ... | 81 737 ... | 81 737 ... |
| short | HSK-A 32 | 1 - 10 | 65 | 22 | 19 | 8 - 56 | 426E (ER16 mini) | | 316 | | | |
| | HSK-A 32 | 1 - 16 | 70 | 35 | 30 | 24 - 104 | 430E (ER25 mini) | | 325 | | | |
| | HSK-A 40 | 1 - 10 | 70 | 22 | 22 | 8 - 56 | 426E (ER16 mini) | | 416 | | | |
| | HSK-A 40 | 1 - 16 | 80 | 42 | 35 | 24 - 104 | 430E (ER25) | | 425 | | | |
| | HSK-A 50 | 1 - 10 | 80 | 22 | 22 | 8 - 56 | 426E (ER16 mini) | | 516 | | | |
| | HSK-A 50 | 1 - 16 | 95 | 42 | 42 | 24 - 104 | 430E (ER25) | | 525 | | | |
| long | HSK-A 40 | 2 - 20 | 100 | 50 | 40 | 24 - 136 | 470E (ER32) | | 432 | | | |
| | HSK-A 50 | 2 - 20 | 100 | 50 | 50 | 24 - 136 | 470E (ER32) | | 532 | | | |
| | HSK-A 63 | 1 - 10 | 100 | 22 | 19 | 8 - 56 | 426E (ER16 mini) | | 616 | | | |
| | HSK-A 63 | 1 - 16 | 100 | 42 | 32 | 24 - 104 | 430E (ER25) | | 625 | | | |
| | HSK-A 63 | 2 - 20 | 100 | 50 | 50 | 24 - 136 | 470E (ER32) | | 632 | | | |
| | HSK-A 100 | 1 - 16 | 100 | 42 | 42 | 24 - 104 | 430E (ER25) | 125 | | | | |
| medium length | HSK-A 100 | 2 - 20 | 100 | 50 | 50 | 24 - 136 | 470E (ER32) | 132 | | | | |
| | HSK-A 40 | 1 - 16 | 120 | 35 | 35 | 24 - 104 | 430E (ER25 mini) | | | 425 | | |
| | HSK-A 63 | 2 - 26 | 120 | 63 | 50 | 176 | 472E (ER40) | | 640 | | | |
| extra-long | HSK-A 100 | 3 - 26 | 120 | 63 | 50 | 176 | 472E (ER40) | 140 | | | | |
| | HSK-A 63 | 2 - 20 | 160 | 50 | 50 | 24 - 136 | 470E (ER32) | | | | 632 | |
| | HSK-A 63 | 3 - 26 | 160 | 63 | 63 | 176 | 472E (ER40) | | | | 640 | |
| | HSK-A 100 | 1 - 16 | 160 | 42 | 42 | 24 - 104 | 430E (ER25) | | | | | 125 |
| | HSK-A 100 | 2 - 20 | 160 | 50 | 50 | 24 - 136 | 470E (ER32) | | | | | 132 |
| | HSK-A 100 | 3 - 26 | 160 | 63 | 63 | 176 | 472E (ER40) | | | | | 140 |

ER-Collet chuck

Scope of supply:

Toolholder with lock nut and adjustable back stop



AD
G 2,5 n_{max} 18000



AD
G 6,3 n_{max} 15000

| | Adapter | DCONWS | LPR | DLN | BD_1 | BD_2 | LB_1 | ALP | TQX | for collet | Article no. 81 737 ... | Article no. 81 737 ... |
|----------------------|----------|--------|-----|-----|------|-------|------|-----|----------|------------------|---------------------------|---------------------------|
| | | mm | mm | mm | mm | mm | mm | | Nm | | | |
| medium length | HSK-A 40 | 1 - 10 | 120 | 22 | 22 | 29,15 | 47 | 4° | 8 - 56 | 426E (ER16 mini) | 416 | |
| extra-long | HSK-A 63 | 1 - 10 | 160 | 22 | 22 | 35,00 | 57 | 5° | 8 - 56 | 426E (ER16 mini) | | 616 |
| | HSK-A 63 | 1 - 16 | 160 | 35 | 35 | 46,10 | 68 | 5° | 24 - 104 | 430E (ER25 mini) | | 625 |

Spare parts

for collet

| | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 357 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 81 950 ... |
|------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 426E (ER16 mini) | | | | 101 | 066 | 058 | 053 |
| 430E (ER25 mini) | | | | 103 | 069 | 060 | 055 |
| 430E (ER25) | 055 | 055 | 125 | | | | 055 |
| 470E (ER32) | 056 | 056 | 132 | | | | 057 |
| 472E (ER40) | 057 | 057 | 140 | | | | 057 |

Accessories

| | | |
|----------------|-----------------------|---------|
| | | |
| ER collet | Coolant transfer pipe | Others |
| → 206, 211-215 | → 138 | → 17 34 |

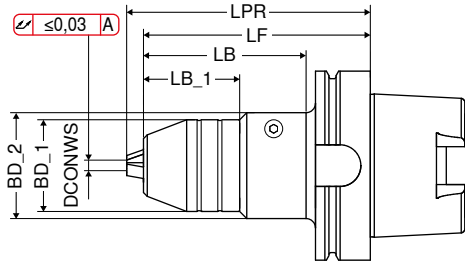
Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:

Toolholder including clamping key SW4

NC
2010



AD
G 6,3 n_{max} 10000

| Adapter | DCONWS | BD_1 | BD_2 | LB_1 | LB | LPR | LF | Article no. |
|-----------|----------|------|------|------|----|-------|-------|-------------|
| | mm | mm | mm | mm | mm | mm | mm | 84 716 ... |
| HSK-A 63 | 0,5 - 13 | 48,5 | 56 | 50,9 | | 116,9 | 126,0 | 613 |
| HSK-A 63 | 2,5 - 16 | 51,0 | 56 | 50,9 | | 116,9 | 127,5 | 616 |
| HSK-A 100 | 0,5 - 13 | 48,5 | 56 | 50,9 | 86 | 120,0 | 129,0 | 113 |
| HSK-A 100 | 2,5 - 16 | 51,0 | 56 | 50,9 | 86 | 120,0 | 130,5 | 116 |

i Can be used with G 2.5 to 30,000 1/min by subsequent balancing !

Accessories



Others

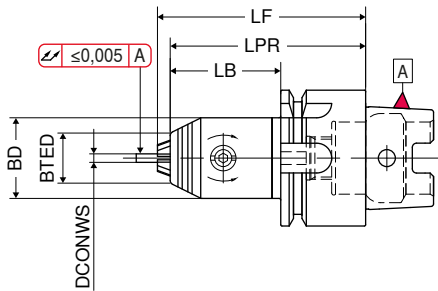
→ 17134

Micro-precision collet chuck

- ▲ Bidirectional
- ▲ For speeds up to 60,000 1/min.

Scope of supply:

Holder including clamping wrench SW 2 x 60 mm



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LB | LPR | LF | BD | BTED | TQX | Article no. 84 710 ... |
|----------|-----------|----|-----|----|----|------|-----|---------------------------|
| | mm | mm | mm | mm | mm | mm | Nm | |
| HSK-A 32 | 0,2 - 3,4 | 26 | 46 | 49 | 19 | 12 | 2 | 334 |
| HSK-A 40 | 0,2 - 3,4 | 26 | 46 | 49 | 19 | 12 | 2 | 434 |
| HSK-A 50 | 0,2 - 3,4 | 26 | 52 | 55 | 19 | 12 | 2 | 534 |

Spare parts

for Article no.

| for Article no. | Article no. 80 950 ... | Article no. 80 021 ... |
|-----------------|---------------------------|---------------------------|
| 84 710 334 | 152 | 018 |
| 84 710 434 | 152 | 018 |
| 84 710 534 | 152 | 018 |



Torx blade

**Article no.
80 950 ...**

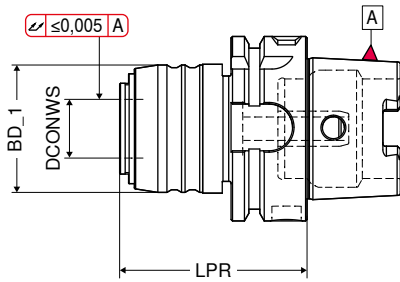


Torque screwdriver

**Article no.
80 021 ...**

Synchro tapping chuck with minimum length compensation

- ▲ For collets according to DIN 6499
- ▲ With length compensation under tension and under compression (LZD)
- ▲ $p_{max} = 50$ bar



AD

| Adapter | cutting range | SZID | DCONWS | LPR | BD_1 | LZD± mm | Article no. 83 724 ... |
|-----------|---------------|------|--------|-----|------|------------|---------------------------|
| | | | mm | mm | mm | | |
| HSK-A 63 | M3 - M12 | 1 | 20 | 64 | 43 | 1,0 / 0,2 | 612 |
| HSK-A 63 | M6 - M20 | 2 | 32 | 97 | 60 | 1,0 / 0,2 | 620 |
| HSK-A 100 | M3 - M12 | 1 | 20 | 70 | 43 | 1,0 / 0,2 | 112 |
| HSK-A 100 | M6 - M20 | 2 | 32 | 91 | 60 | 1,0 / 0,2 | 120 |

Accessories



Coolant transfer pipe Others

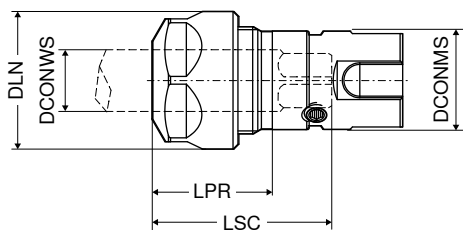
→ 138

→ 17134

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:





Includes lock nut



AD

| SZID | DCONWS | cutting range | LPR | DLN | LSC | for collet | DCONMS | Article no. 83 608 ... |
|------|--------|---------------|-----|-----|-----|-------------|--------|---------------------------|
| | mm | | mm | mm | mm | | mm | |
| 1 | 2 - 10 | M3 - M12 | 24 | 28 | 42 | 426E (ER16) | 20 | 012 |
| 2 | 2 - 16 | M6 - M20 | 28 | 42 | 59 | 430E (ER25) | 32 | 020 |

Spare parts for synchronous tapping chucks

| |  |  |  |  |
|------------------------|---|--|---|---|
| | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... | Article no. 83 357 ... |
| Spare parts | | | | |
| for Article no. | | | | |
| 83 608 012 | M22x1,5 - SW25 | M22x1,5 | M32x1,5 | |
| 83 608 020 | 044 | 054 | 055 | 116 |
| | | M32x1,5 | | 125 |

Accessories

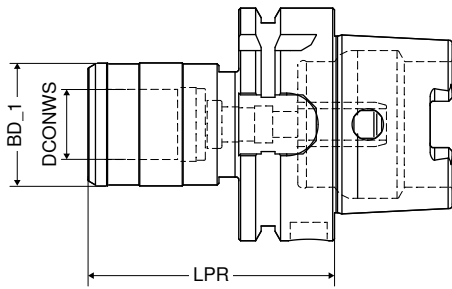


ER collet

→ [212](#), [214-215](#)

Quick change tap chuck with length compensation

▲ With length compensation under tension and under compression (LZD)

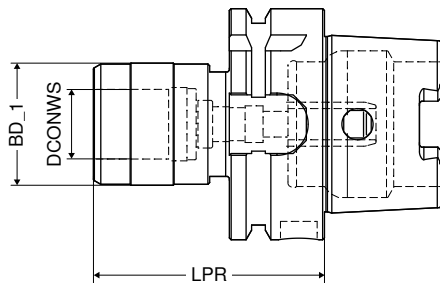


A

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LZD± | mm | mm | mm | mm | Article no. |
|-----------|---------------|------|-----|------|--------|------|----|----|----|----|-------------|
| | | | | | | | | | | | 83 712 ... |
| HSK-A 63 | M3 - M12 | 01 | 72 | 41 | 19 | 7,5 | | | | | 612 |
| HSK-A 63 | M6 - M20 | 02 | 110 | 60 | 31 | 10 | | | | | 620 |
| HSK-A 100 | M3 - M12 | 01 | 80 | 41 | 19 | 7,5 | | | | | 112 |
| HSK-A 100 | M6 - M20 | 02 | 100 | 60 | 31 | 10 | | | | | 120 |

Quick change tap chuck without length compensation

▲ $p_{max} = 50$ bar



AD

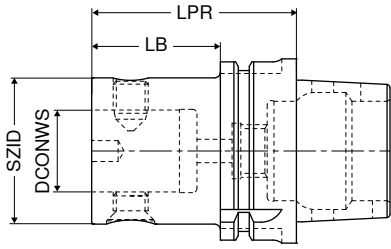
| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | mm | mm | mm | mm | Article no. |
|-----------|---------------|------|-----|------|--------|----|----|----|----|-------------|
| | | | | | | | | | | 83 710 ... |
| HSK-A 63 | M3 - M12 | 01 | 63 | 33 | 19 | | | | | 612 |
| HSK-A 63 | M6 - M20 | 02 | 89 | 50 | 31 | | | | | 620 |
| HSK-A 100 | M3 - M12 | 01 | 69 | 33 | 19 | | | | | 112 |
| HSK-A 100 | M6 - M20 | 02 | 92 | 50 | 31 | | | | | 120 |

Accessories

| | | |
|-----------|-----------------------|---------|
| | | |
| Collet | Coolant transfer pipe | Others |
| → 219-223 | → 138 | → 17 34 |

Adapter with ABS Connection

ABS



AD
G 6,3 n_{max} 10000

NEW
Article no.
84 200 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | |
|-----------|-----------|--------|--------|-----|----|-------|
| | | | mm | mm | mm | |
| HSK-A 63 | A0630150 | ABS 50 | 28 | 70 | 44 | 06397 |
| HSK-A 100 | A0650150 | ABS 50 | 28 | 80 | 51 | 10097 |

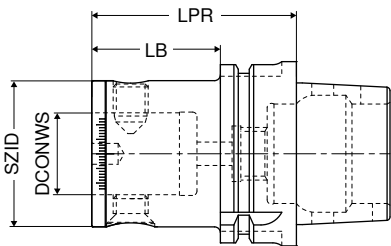
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Eccentric adjuster with adjuster key Ø 2.8

ABS



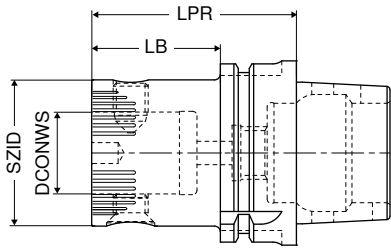
AD
NEW

Article no.
84 203 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | |
|-----------|-----------|--------|--------|-----|----|-------|
| | | | mm | mm | mm | |
| HSK-A 63 | A0636730 | ABS 50 | 28 | 70 | 44 | 06397 |
| HSK-A 100 | A0656730 | ABS 50 | 28 | 80 | 51 | 10097 |

Torsional vibration dampers with ABS Connection

ABS



AD

NEW

Article no.
84 206 ...

| Adapter | KOMET no. | SZID | DCONWS | LPR | LB | |
|-----------|-----------|--------|--------|-----|----|-------|
| | | | mm | mm | mm | |
| HSK-A 63 | A0630251 | ABS 50 | 28 | 70 | 44 | 06397 |
| HSK-A 100 | A0650251 | ABS 50 | 28 | 80 | 51 | 10097 |

Spare parts
SZID

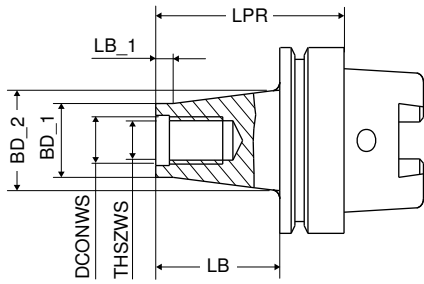
ABS 50

| | | |
|---------------------------|---------------------------|---------------------------|
| | | |
| Clamping screw | Taper screw | Set |
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
| 20300 | 20400 | 99800 |

Accessories

| | | |
|-----------------------|-----------|---------|
| | | |
| Coolant transfer pipe | Extension | Others |
| → 138 | → 17 27 | → 17 34 |

Adapter for milling cutters with threaded end



AD
G 2,5 n_{max} 30000

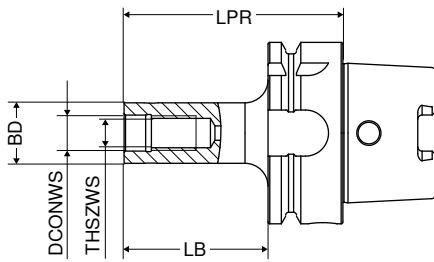
Article no.
56 714 ...

| Adapter | THSZWS | DCONWS | LB | BD_1 | BD_2 | LB_1 | LPR | Article no. |
|----------|--------|--------|-----|------|------|------|-----|-------------|
| | | mm | mm | mm | mm | mm | mm | 56 714 ... |
| HSK-A 63 | M8 | 8,5 | 25 | 13,8 | 15 | 12 | 51 | 081 |
| HSK-A 63 | M8 | 8,5 | 50 | 13,8 | 23 | 12 | 76 | 082 |
| HSK-A 63 | M8 | 8,5 | 75 | 13,8 | 25 | 12 | 101 | 083 |
| HSK-A 63 | M8 | 8,5 | 100 | 13,8 | 30 | 12 | 126 | 084 |
| HSK-A 63 | M10 | 10,5 | 25 | 18,0 | 23 | 12 | 51 | 101 |
| HSK-A 63 | M10 | 10,5 | 50 | 18,0 | 25 | 12 | 76 | 102 |
| HSK-A 63 | M10 | 10,5 | 75 | 18,0 | 30 | 12 | 101 | 103 |
| HSK-A 63 | M10 | 10,5 | 100 | 18,0 | 35 | 12 | 126 | 104 |
| HSK-A 63 | M12 | 12,5 | 25 | 21,0 | 24 | 12 | 51 | 121 |
| HSK-A 63 | M12 | 12,5 | 50 | 21,0 | 30 | 12 | 76 | 122 |
| HSK-A 63 | M12 | 12,5 | 75 | 21,0 | 35 | 12 | 101 | 123 |
| HSK-A 63 | M12 | 12,5 | 100 | 21,0 | 38 | 12 | 126 | 124 |
| HSK-A 63 | M12 | 12,5 | 125 | 21,0 | 43 | 12 | 151 | 125 |
| HSK-A 63 | M12 | 12,5 | 150 | 21,0 | 45 | 12 | 176 | 126 |
| HSK-A 63 | M16 | 17,0 | 25 | 29,0 | 29 | 12 | 51 | 161 |
| HSK-A 63 | M16 | 17,0 | 50 | 29,0 | 34 | 12 | 76 | 162 |
| HSK-A 63 | M16 | 17,0 | 75 | 29,0 | 35 | 12 | 101 | 163 |
| HSK-A 63 | M16 | 17,0 | 100 | 29,0 | 40 | 12 | 126 | 164 |
| HSK-A 63 | M16 | 17,0 | 125 | 29,0 | 44 | 12 | 151 | 165 |
| HSK-A 63 | M16 | 17,0 | 150 | 29,0 | 48 | 12 | 176 | 166 |

Accessories

| | | |
|------------------------------------|--------------------------------|-------------------|
| | | |
| Extension-Reduction set → 17 19 | Coolant transfer pipe → 138 | Others → 17 34 |

Adapter for milling cutters with threaded end



AD
G 2,5 n_{max} 25000

Article no.
56 719 ...

| Adapter | THSZWS | DCONWS | BD | LB | LPR | Article no. |
|----------|--------|--------|------|-----|-----|-------------|
| | | mm | mm | mm | mm | 56 719 ... |
| HSK-A 63 | M8 | 8,5 | 13,8 | 50 | 76 | 082 |
| HSK-A 63 | M10 | 10,5 | 18,0 | 50 | 76 | 102 |
| HSK-A 63 | M10 | 10,5 | 18,0 | 100 | 126 | 104 |
| HSK-A 63 | M12 | 12,5 | 21,0 | 50 | 76 | 122 |
| HSK-A 63 | M12 | 12,5 | 21,0 | 100 | 126 | 124 |
| HSK-A 63 | M16 | 17,0 | 29,0 | 50 | 76 | 162 |
| HSK-A 63 | M16 | 17,0 | 29,0 | 100 | 126 | 164 |

Accessories

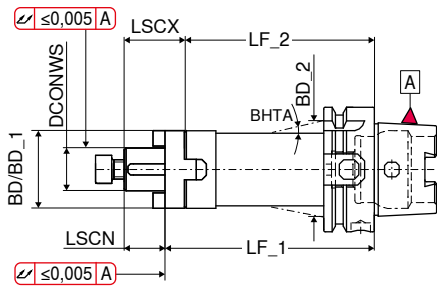
| | | |
|------------------------------------|--------------------------------|-------------------|
| | | |
| Extension-Reduction set → 17 19 | Coolant transfer pipe → 138 | Others → 17 34 |

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

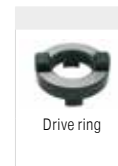
Toolholder with retaining screw, driving ring and dowel spring



G 6,3 n_{max} 15000 G 6,3 n_{max} 15000 G 6,3 n_{max} 15000 G 6,3 n_{max} 15000

| | Adapter | DCONWS | LF_1 | LF_2 | BD | BD_1 | BD_2 | LSCX | LSCN | BHTA | G 6,3 n _{max} 15000 | | G 6,3 n _{max} 15000 | | G 6,3 n _{max} 15000 | | G 6,3 n _{max} 15000 | | |
|------------|-----------|--------|------|------|----|------|-------|------|------|------|------------------------------|------------------------|------------------------------|------------------------|------------------------------|-----|------------------------------|--|-----|
| | | | | | | | | | | | Article no. 81 738 ... | Article no. 81 738 ... | Article no. 81 739 ... | Article no. 81 740 ... | | | | | |
| short | HSK-A 63 | 16 | 60 | 50 | 32 | | | 27 | 17 | | | 616 | | | | | | | |
| | HSK-A 63 | 22 | 60 | 48 | 40 | | | 31 | 19 | | | 622 | | | | | | | |
| | HSK-A 63 | 27 | 60 | 48 | 48 | | | 33 | 21 | | | 627 | | | | | | | |
| | HSK-A 63 | 32 | 60 | 46 | 53 | | | 38 | 24 | | | 632 | | | | | | | |
| | HSK-A 63 | 40 | 70 | 56 | 70 | | | 41 | 27 | | | 640 | | | | | | | |
| long | HSK-A 100 | 16 | 60 | 50 | 32 | | | 27 | 17 | | | | 116 | | | | | | |
| | HSK-A 100 | 22 | 60 | 48 | 40 | | | 31 | 19 | | | 122 | | | | | | | |
| | HSK-A 100 | 27 | 60 | 48 | 48 | | | 33 | 21 | | | 127 | | | | | | | |
| | HSK-A 100 | 32 | 60 | 46 | 58 | | | 38 | 24 | | | 132 | | | | | | | |
| | HSK-A 100 | 40 | 70 | 56 | 70 | | | 41 | 27 | | | 140 | | | | | | | |
| extra-long | HSK-A 63 | 16 | 100 | 90 | 32 | | | 27 | 17 | | | | | | | 616 | | | |
| | HSK-A 63 | 22 | 100 | 88 | 40 | | | 31 | 19 | | | | | | | 622 | | | |
| | HSK-A 63 | 27 | 100 | 88 | 48 | | | 33 | 21 | | | | | | | 627 | | | |
| | HSK-A 63 | 32 | 100 | 86 | 58 | | | 38 | 24 | | | | | | | 632 | | | |
| | HSK-A 63 | 40 | 100 | 86 | 70 | | | 41 | 27 | | | | | | | 640 | | | |
| extra-long | HSK-A 63 | 16 | 160 | 150 | | 32 | 43,21 | 27 | 17 | 4,5° | | | | | | | | | 616 |
| | HSK-A 63 | 22 | 160 | 148 | | 40 | 47,25 | 31 | 19 | 3,0° | | | | | | | | | 622 |
| | HSK-A 63 | 27 | 160 | 148 | 48 | | | 33 | 21 | | | | | | | | | | 627 |
| | HSK-A 63 | 32 | 160 | 146 | | 58 | 53,00 | 38 | 24 | | | | | | | | | | 632 |
| | HSK-A 63 | 40 | 160 | 146 | | 70 | 53,00 | 41 | 27 | | | | | | | | | | 640 |

i These combination shell adapters are prebalanced without driving ring, dowel screw and retaining screw.



| Spare parts | | Article no. 83 950 ... | Article no. 83 370 ... | Article no. 81 950 ... |
|-------------|-------------|------------------------|------------------------|------------------------|
| DCONWS | | | | |
| 16 | 4 x 4 x 20 | 284 | 116 | M8x20 - 30 Nm 020 |
| 16 | 4 x 4 x 20 | 284 | 116 | M8x20 - 30 Nm 020 |
| 22 | 6 x 6 x 25 | 285 | 122 | M10x30 - 50 Nm 021 |
| 27 | 7 x 7 x 25 | 286 | 127 | M12x35 - 80 Nm 022 |
| 32 | 8 x 7 x 28 | 287 | 132 | M16x40 - 110 Nm 023 |
| 40 | 10 x 8 x 32 | 288 | 140 | |

Accessories

Milling Adapter Rings
→ 17|28

Coolant transfer pipe
→ 138

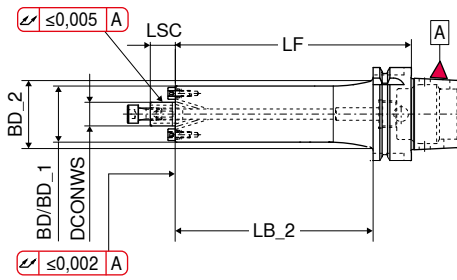
Others
→ 17|34

Shell mill adapter

▲ For milling cutters with transverse or longitudinal groove ISO 3937

Scope of supply:

Holder with fixed drive dogs, dowel spring and retaining screw



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LB_2 | LF | BD | BD_1 | BD_2 | LSC | Article no. | | | | |
|---------------|-----------|--------|------|-----|----|------|------|-----|-------------|------------|------------|------------|-----|
| | | | | | | | | | 84 750 ... | 84 754 ... | 84 755 ... | 84 757 ... | |
| short | HSK-A 63 | 16 | 34 | 60 | 38 | | | 17 | 616 | | | | |
| | HSK-A 63 | 22 | 34 | 60 | 48 | | | 19 | 622 | | | | |
| | HSK-A 63 | 27 | 34 | 60 | 58 | | | 21 | 627 | | | | |
| | HSK-A 63 | 32 | 34 | 60 | 72 | | | 24 | 632 | | | | |
| | HSK-A 63 | 40 | 34 | 70 | 80 | | | 27 | 640 | | | | |
| | HSK-A 100 | 16 | 31 | 60 | 38 | | | 17 | 116 | | | | |
| | HSK-A 100 | 22 | 31 | 60 | 48 | | | 19 | 122 | | | | |
| | HSK-A 100 | 27 | 31 | 60 | 58 | | | 21 | 127 | | | | |
| | HSK-A 100 | 32 | 31 | 60 | 72 | | | 24 | 132 | | | | |
| | HSK-A 100 | 40 | 41 | 70 | 80 | | | 27 | 140 | | | | |
| long | HSK-A 63 | 16 | 74 | 100 | | 38 | 44,3 | 17 | | 616 | | | |
| | HSK-A 63 | 22 | 74 | 100 | | 48 | 50,3 | 19 | | 622 | | | |
| | HSK-A 63 | 27 | 74 | 100 | 58 | | | 21 | | 627 | | | |
| | HSK-A 63 | 32 | 74 | 100 | 72 | | | 24 | | 632 | | | |
| | HSK-A 63 | 40 | 74 | 100 | 80 | | | 27 | | 640 | | | |
| | HSK-A 100 | 16 | 71 | 100 | | 38 | 46,3 | 17 | | 116 | | | |
| | HSK-A 100 | 22 | 71 | 100 | | 48 | 56,3 | 19 | | 122 | | | |
| | HSK-A 100 | 27 | 71 | 100 | 58 | | | 24 | | 127 | | | |
| | HSK-A 100 | 32 | 71 | 100 | 72 | | | 24 | | 132 | | | |
| | HSK-A 100 | 40 | 71 | 100 | 80 | | | 27 | | 140 | | | |
| medium length | HSK-A 63 | 16 | 104 | 130 | | 38 | 44,3 | 17 | | | | 616 | |
| | HSK-A 63 | 22 | 104 | 130 | | 48 | 50,3 | 19 | | | | 622 | |
| | HSK-A 63 | 27 | 104 | 130 | 58 | | | 21 | | | | 627 | |
| | HSK-A 63 | 32 | 104 | 130 | 72 | | | 24 | | | | 632 | |
| | HSK-A 63 | 40 | 104 | 130 | 80 | | | 27 | | | | 640 | |
| | HSK-A 100 | 16 | 101 | 130 | | 38 | 46,3 | 17 | | | | 116 | |
| | HSK-A 100 | 22 | 101 | 130 | | 48 | 56,3 | 19 | | | | 122 | |
| | HSK-A 100 | 27 | 101 | 130 | 58 | | | 21 | | | | 127 | |
| | HSK-A 100 | 32 | 101 | 130 | 72 | | | 24 | | | | 132 | |
| | HSK-A 100 | 40 | 101 | 130 | 80 | | | 27 | | | | 140 | |
| extra-long | HSK-A 63 | 16 | 134 | 160 | | 38 | 44,3 | 17 | | | | | 616 |
| | HSK-A 63 | 22 | 134 | 160 | | 48 | 50,3 | 19 | | | | | 622 |
| | HSK-A 63 | 27 | 134 | 160 | 58 | | | 21 | | | | | 627 |
| | HSK-A 63 | 32 | 134 | 160 | 72 | | | 24 | | | | | 632 |
| | HSK-A 63 | 40 | 134 | 160 | 80 | | | 27 | | | | | 640 |
| | HSK-A 100 | 16 | 131 | 160 | | 38 | 46,3 | 17 | | | | | 116 |
| | HSK-A 100 | 22 | 131 | 160 | | 48 | 56,3 | 19 | | | | | 122 |
| | HSK-A 100 | 27 | 131 | 160 | 58 | | | 21 | | | | | 127 |
| | HSK-A 100 | 32 | 131 | 160 | 72 | | | 24 | | | | | 132 |
| | HSK-A 100 | 40 | 131 | 160 | 80 | | | 27 | | | | | 140 |

Spare parts facemill adapters

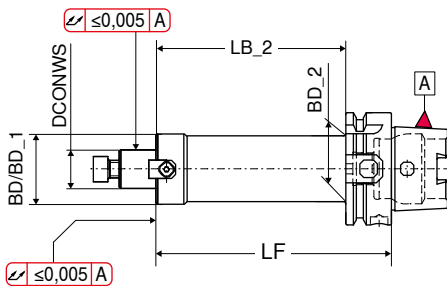
| Spare parts | | Article no. 83 950 ... | | Article no. 62 950 ... | | Article no. 62 950 ... | | Article no. 83 950 ... | |
|-------------|-------------|------------------------|-------|------------------------|---------------|------------------------|--------|------------------------|--|
| DCONWS | | | | | | | | | |
| 16 | 4 x 4 x 20 | 284 | M4x15 | 442 | M8x16 - SW6 | 433 | M8x25 | 113 | |
| 22 | 6 x 6 x 25 | 285 | M5x17 | 443 | M10x18 - SW8 | 434 | M10x25 | 124 | |
| 27 | 7 x 7 x 25 | 286 | M6x21 | 444 | M12x20 - SW10 | 435 | M12x30 | 125 | |
| 32 | 8 x 7 x 28 | 287 | M6x22 | 445 | M16x26 - SW12 | 436 | M16x35 | 126 | |
| 40 | 10 x 8 x 32 | 288 | M6x23 | 446 | M20x30 - SW14 | 437 | M20x40 | 112 | |

Shell mill adapter

- ▲ Enlarged seating surface (Ø BD)
- ▲ For face mills with transverse groove ISO 3937

Scope of supply:




Toolholder with retaining screw and drive dogs





| | Adapter | DCONWS | LB_2 | LF | BD | BD_1 | BD_2 | | | | | | |
|-----------|-----------|--------|------|-----|----|------|-------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------|--|
| | | | | | | | | Article no. 81 728 ... | Article no. 81 741 ... | Article no. 81 742 ... | Article no. 81 747 ... | | |
| | | mm | mm | mm | mm | mm | mm | G 2,5 n _{max} 18000 | G 2,5 n _{max} 18000 | G 2,5 n _{max} 18000 | G 2,5 n _{max} 18000 | | |
| short | HSK-A 63 | 16 | 24 | 50 | 38 | | | 216 | | 616 | | | |
| | HSK-A 63 | 22 | 24 | 50 | 48 | | | 222 | | 622 | | | |
| | HSK-A 63 | 27 | 34 | 60 | 58 | | | 227 | | 627 | | | |
| | HSK-A 63 | 32 | 34 | 60 | 78 | | | 232 | | 632 | | | |
| | HSK-A 63 | 40 | 34 | 60 | 88 | | | 240 ¹⁾ | | 640 ¹⁾ | | | |
| | HSK-A 100 | 16 | 21 | 50 | 38 | | | 116 | | | | | |
| | HSK-A 100 | 22 | 21 | 50 | 48 | | | 122 | | | | | |
| | HSK-A 100 | 27 | 21 | 50 | 58 | | | 127 | | | | | |
| | HSK-A 100 | 32 | 21 | 50 | 78 | | | 132 | | | | | |
| | HSK-A 100 | 40 | 31 | 60 | 88 | | | 140 ¹⁾ | | | | | |
| HSK-A 100 | 60 | 41 | 70 | 129 | | | 160 ²⁾ | | | | | | |
| long | HSK-A 63 | 16 | 74 | 100 | 38 | | | | | 616 | | 616 | |
| | HSK-A 63 | 22 | 74 | 100 | 48 | | | | | 622 | | 622 | |
| | HSK-A 63 | 27 | 74 | 100 | | 58 | 53 | | | 627 | | 627 | |
| | HSK-A 63 | 32 | 74 | 100 | | 78 | 53 | | | 632 | | 632 | |
| | HSK-A 63 | 40 | 74 | 100 | | 88 | 53 | | | 640 ¹⁾ | | 640 ¹⁾ | |

1) With cross recess screw and threaded holes M12 on the front face, pitch circle diameter = 66.7 mm
 2) With threaded holes M16 on the front face, pitch circle diameter = 101.6 mm

Spare parts facemill adapters

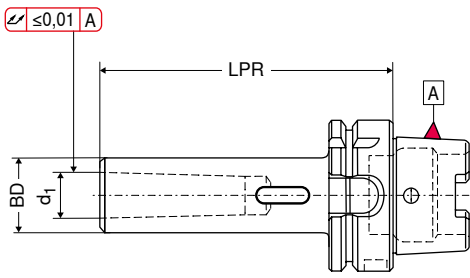
| Spare parts DCONWS | |  Cross nut key |  Retaining screw |  Retaining screw |
|-----------------------|-----|--|--|--|
| | | Article no. 83 368 ... | Article no. 83 367 ... | Article no. 81 950 ... |
| 16 | 116 | M8 | 016 | M8x20 - 30 Nm 020 |
| 22 | 122 | M10 | 022 | M10x30 - 50 Nm 021 |
| 27 | 127 | M12 | 027 | M12x35 - 80 Nm 022 |
| 32 | 132 | M16 | 032 | M16x40 - 110 Nm 023 |
| 40 | 140 | M20 | 040 | |
| 60 | | | | |

| DCONWS | |  Drive dogs |  Drive screw |
|--------|------------|---|--|
| | | Article no. 81 950 ... | Article no. 81 950 ... |
| 16 | 8x8x14 | 001 | M3x8 010 |
| 22 | 10x10x17 | 002 | M4x8 011 |
| 27 | 12x14x20 | 003 | M4x14 012 |
| 32 | 14x14x22 | 004 | M5x13 013 |
| 40 | 15,9x16x21 | 005 | M6x16 014 |
| 60 | 25,4x25x31 | 006 | M12x25 015 |

Accessories

|  |  |  |
|---|---|---|
| Extensions → 17 26 | Coolant transfer pipe → 138 | Others → 17 34 |

Milling sleeve adapter for Morse taper shanks to DIN 228-2 D



A
G 6,3 n_{max} 15000



A
G 6,3 n_{max} 10000

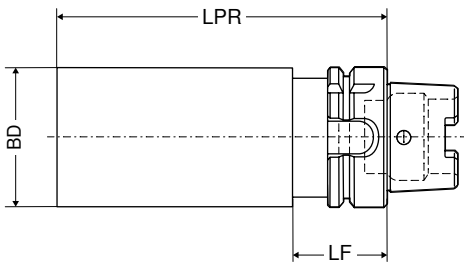
| Adapter | d ₁ | LPR | BD | Article no. | |
|-----------|----------------|-----|----|-------------|------------|
| | | | | 81 744 ... | 81 744 ... |
| HSK-A 63 | MK1 | 100 | 25 | | |
| HSK-A 63 | MK2 | 120 | 32 | 601 | |
| HSK-A 63 | MK3 | 140 | 40 | 602 | |
| HSK-A 63 | MK4 | 160 | 48 | 603 | |
| | | | | 604 | |
| HSK-A 100 | MK1 | 110 | 25 | | 101 |
| HSK-A 100 | MK2 | 120 | 32 | | 102 |
| HSK-A 100 | MK3 | 150 | 40 | | 103 |
| HSK-A 100 | MK4 | 170 | 48 | | 104 |
| HSK-A 100 | MK5 | 200 | 63 | | 105 |

Accessories

| | | |
|--------------------------------------|--------------------------------|-------------------|
| | | |
| Morse taper adapter sleeve → 17 4 | Coolant transfer pipe → 138 | Others → 17 34 |

Blank

- ▲ Material: 20NiCrMo2
- ▲ For production of special tools
- ▲ Taper hardened and ground
- ▲ Tool 35⁺³ HRC

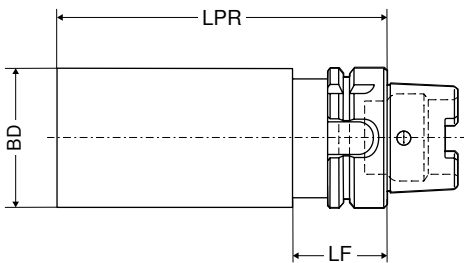


A

| Adapter | BD | LPR | LF | Article no. 81 745 ... |
|-----------|------|-----|----|---------------------------|
| | mm | mm | mm | |
| HSK-A 32 | 35,0 | 150 | 35 | 335 |
| HSK-A 40 | 40,0 | 150 | 35 | 440 |
| HSK-A 40 | 52,0 | 200 | 35 | 452 |
| HSK-A 50 | 52,0 | 200 | 42 | 552 |
| HSK-A 50 | 63,0 | 200 | 42 | 563 |
| HSK-A 63 | 63,0 | 200 | 42 | 663 |
| HSK-A 63 | 80,0 | 250 | 42 | 680 |
| HSK-A 100 | 63,0 | 200 | 45 | 163 |
| HSK-A 100 | 80,0 | 250 | 45 | 180 |
| HSK-A 100 | 97,5 | 250 | 45 | 190 |

Blank

- ▲ For the production of special tools
- ▲ Material: case hardened steel 16 MnCr 5
- ▲ Taper hardened and ground
- ▲ Tool production area = soft



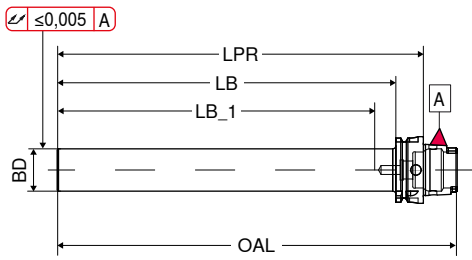
A

| Adapter | BD | LPR | LF | Article no. 84 799 ... |
|---------|----|-----|----|---------------------------|
| | mm | mm | mm | |
| HSK 63 | 63 | 200 | 42 | 663 |
| HSK 63 | 80 | 250 | 42 | 680 |

Test arbor

Scope of supply:

In wooden box



| Adapter | BD | LPR | LB_1 | LB | OAL | Article no. 81 746 ... |
|-----------|----|-----|------|-----|-----|---------------------------|
| | mm | mm | mm | mm | mm | |
| HSK-A 63 | 40 | 346 | 300 | 320 | 378 | 063 |
| HSK-A 100 | 40 | 349 | 300 | 320 | 399 | 100 |

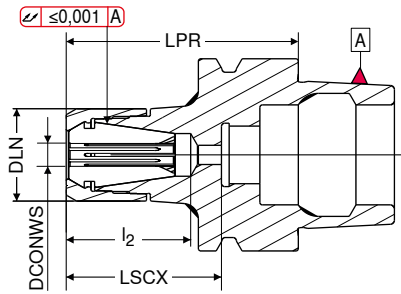
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 n_{max} 30000

Article no.
84 776 ...




| Adapter | DCONWS | LPR | DLN | LSCX | l_2 | for collet | Article no. |
|----------|--------|-----|-----|------|---------|-------------|-------------|
| | mm | mm | mm | mm | mm | | |
| HSK-E 40 | 2 - 16 | 60 | 40 | 39 | | 430E (ER25) | 417 |
| HSK-E 50 | 2 - 16 | 70 | 40 | 49 | 30 - 39 | 430E (ER25) | 516 |

→ Transmittable torque moments, Page 233







i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet
430E (ER25)

| | | |
|---|---|---|
|  |  |  |
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... |
| 013 | 003 | 338 |

Accessories

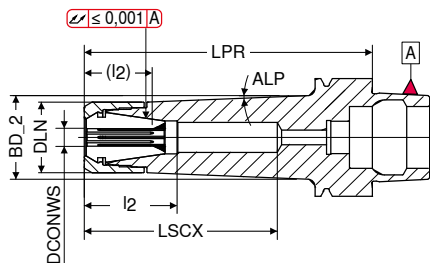
| | | | | | |
|---|---|---|---|---|--|
|  |  |  |  |  |  |
| ER collet | Sealing ring | Roll key | Roll key device | Coolant transfer pipe | Others |
| → 208-211, 213 | → 207 | → 17 36 | → 17 36 | → 138 | → 17 34 |

ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 30000



AD
G 6,3 n_{max} 42000

| | Adapter | DCONWS | LPR | DLN | BD_2 | LSCX | l_2 (l_2) | ALP | for collet | Article no. | Article no. |
|----------|----------|--------|-----|------|------|---------------|-----------------|------------------|-------------------|-------------|-------------|
| | | | | | | | | | | 84 774 ... | 84 774 ... |
| short | HSK-E 25 | 1-5 | 35 | 10 | | 16 | | | 4004E (ER08 mini) | 051 | |
| | HSK-E 25 | 1-7 | 35 | 16 | | 22 | | 2,5° | 4008E (ER11 mini) | 071 | |
| | HSK-E 32 | 1-7 | 50 | 16 | 17,5 | 31 | 18-20 | 4,5° | 4008E (ER11 mini) | 307 | |
| | HSK-E 32 | 1-7 | 50 | 16 | 17,5 | 31 | 18-20 | 4,5° | 4008E (ER11 mini) | | 321 |
| | HSK-E 32 | 1-7 | 60 | 16 | 19,2 | 41 | 18-28 | 4,5° | 4008E (ER11 mini) | | 322 |
| | HSK-E 32 | 1-7 | 70 | 16 | 20,8 | 45 | 18-32 | 4,5° | 4008E (ER11 mini) | | 323 |
| | HSK-E 40 | 1-7 | 50 | 16 | 17,5 | 31 | 18-20 | 4,5° | 4008E (ER11 mini) | 407 | |
| | HSK-E 50 | 1-7 | 60 | 16 | 19,2 | 37 | 15-23 | 4,5° | 4008E (ER11 mini) | 507 | |
| | HSK-E 25 | 1-10 | 45 | 22 | | 30 | | | 426E (ER16 mini) | 101 | |
| | HSK-E 32 | 1-10 | 55 | 22 | 25,8 | 40 | 28-32 (12-22) | 4,5° | 426E (ER16 mini) | 310 | |
| HSK-E 40 | 1-10 | 55 | 22 | 25,8 | 38 | 28-30 (12-20) | 4,5° | 426E (ER16 mini) | 410 | | |
| HSK-E 50 | 1-10 | 60 | 22 | 25,4 | 39 | 28-31 (12-21) | 4,5° | 426E (ER16 mini) | 510 | | |
| long | HSK-E 40 | 1-7 | 100 | 16 | 25,4 | 64 | 18-36 (12-26) | 4,5° | 4008E (ER11 mini) | 408 | |
| | HSK-E 50 | 1-7 | 100 | 16 | 25,4 | 50 | 15-30 (10-21) | 4,5° | 4008E (ER11 mini) | 508 | |
| | HSK-E 40 | 1-10 | 100 | 22 | 29,0 | 66 | 28-48 (12-38) | 2,5° | 426E (ER16 mini) | 411 | |
| | HSK-E 50 | 1-10 | 100 | 22 | 28,2 | 72 | 28-48 (12-38) | 2,5° | 426E (ER16 mini) | 511 | |

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
- l_2 = With back stop screw 1, dimension in brackets () = with back stop screw 2
- Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

| | | | | |
|-------------------|-----|-----|-----|-----|
| 4004E (ER08 mini) | | | | |
| 4008E (ER11 mini) | | 040 | | |
| 426E (ER16 mini) | 035 | 034 | 340 | 336 |
| | | | 341 | 337 |

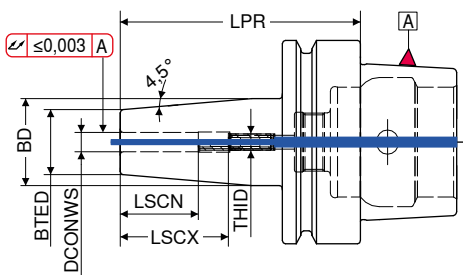
Accessories

| | | | | | | |
|-----------|--------------|---------|----------|-----------------|-----------------------|---------|
| | | | | | | |
| ER collet | Sealing ring | Device | Roll key | Roll key device | Coolant transfer pipe | Others |
| → 208-213 | → 207 | → 17135 | → 17136 | → 17136 | → 138 | → 17134 |

Shrink fit adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000



AD
G 2,5 n_{max} 25000

| | Adapter | DCONWS | LPR | BTED | BD | LSCX | LSCN | THID | Article no. | | |
|----------|----------|--------|-----|------|----|------|-------|-------|-------------|------------|------------|
| | | | | | | | | | 84 307 ... | 84 308 ... | 84 309 ... |
| | | mm | mm | mm | mm | mm | mm | | | | |
| short | HSK-E 32 | 3 | 60 | 10 | 15 | 28 | 12 | M5 | 103 | | |
| | HSK-E 32 | 4 | 60 | 10 | 15 | 28 | 16 | M5 | 104 | | |
| | HSK-E 32 | 5 | 60 | 10 | 15 | 30 | 20 | M5 | 105 | | |
| | HSK-E 32 | 6 | 70 | 21 | 25 | 36 | 26 | M5 | 106 | | |
| | HSK-E 32 | 8 | 70 | 21 | 25 | 36 | 26 | M6 | 108 | | |
| | HSK-E 32 | 10 | 75 | 24 | 29 | 41 | 31 | M8x1 | 110 | | |
| | HSK-E 32 | 12 | 80 | 24 | 29 | 47 | 37 | M10x1 | 112 | | |
| | HSK-E 40 | 3 | 60 | 10 | 15 | 28 | 12 | M6 | | 103 | |
| | HSK-E 40 | 4 | 60 | 10 | 15 | 28 | 16 | M6 | | 104 | |
| | HSK-E 40 | 5 | 60 | 10 | 15 | 30 | 20 | M6 | | 105 | |
| | HSK-E 40 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | | 106 | |
| | HSK-E 40 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | | 108 | |
| | HSK-E 40 | 10 | 80 | 24 | 32 | 41 | 31 | M8x1 | | 110 | |
| | HSK-E 40 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | | 112 | |
| | HSK-E 40 | 14 | 90 | 27 | 34 | 47 | 37 | M10x1 | | 114 | |
| | HSK-E 40 | 16 | 90 | 27 | 34 | 50 | 40 | M12x1 | | 116 | |
| | HSK-E 50 | 3 | 80 | 10 | 15 | 22 | 12 | M6 | | | 103 |
| | HSK-E 50 | 4 | 80 | 15 | 22 | 26 | 16 | M6 | | | 104 |
| | HSK-E 50 | 5 | 80 | 15 | 22 | 30 | 20 | M6 | | | 105 |
| | HSK-E 50 | 6 | 80 | 21 | 27 | 36 | 26 | M5 | | | 106 |
| HSK-E 50 | 8 | 80 | 21 | 27 | 36 | 26 | M6 | | | 108 | |
| HSK-E 50 | 10 | 85 | 24 | 32 | 41 | 31 | M8x1 | | | 110 | |
| HSK-E 50 | 12 | 90 | 24 | 32 | 47 | 37 | M10x1 | | | 112 | |
| HSK-E 50 | 14 | 90 | 27 | 34 | 47 | 37 | M10x1 | | | 114 | |
| HSK-E 50 | 16 | 95 | 27 | 34 | 50 | 40 | M12x1 | | | 116 | |
| HSK-E 50 | 18 | 95 | 33 | 42 | 50 | 40 | M12x1 | | | 118 | |
| HSK-E 50 | 20 | 100 | 33 | 42 | 52 | 42 | M16x1 | | | 120 | |

→ Min. clamping depth, Page 233



Stop screw IK



Thro' coolant back stop screw



Stop screw IK

Spare parts
DCONWS

| | Article no. 83 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|---------|---------------------------|---------------------------|---------------------------|
| 3 - 5 | M6x14 - SW2 | M5x14 - SW2 | M5x12,5 - SW2,5 |
| 6 | 417 | 411 | M6x12,5 - SW3 |
| 8 | | | M8x1x13,5 - SW3 |
| 10 | | | M10x1x13,5 - SW5 |
| 12 - 14 | | | M12x1x13,5 - SW5 |
| 16 - 18 | | | M16x1x13,5 - SW5 |
| 20 | | | 423 |

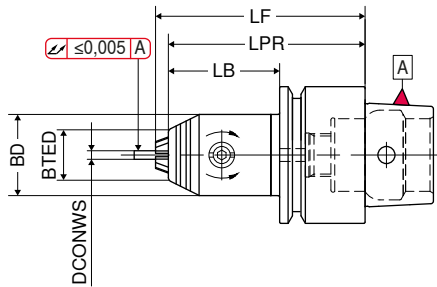
❗ Spare part 83 950 411 only for HSK-E 32. Spare part 83 950 417 for HSK-E 40/HSK-E 50.

Micro-precision collet chuck

- ▲ Bidirectional
- ▲ For speeds up to 60,000 1/min.

Scope of supply:

Holder including clamping wrench SW 2 x 60 mm



AD
G 2,5 n_{max} 18000

Article no.
84 712 ...

| Adapter | DCONWS | LB | LPR | LF | BD | BTED | TQX | |
|----------|-----------|----|-----|----|----|------|-----|-----|
| | mm | mm | mm | mm | mm | mm | Nm | |
| HSK-E 25 | 0,2 - 3,4 | 27 | 37 | 40 | 19 | 12 | 2 | 234 |
| HSK-E 32 | 0,2 - 3,4 | 26 | 46 | 49 | 19 | 12 | 2 | 334 |
| HSK-E 40 | 0,2 - 3,4 | 26 | 46 | 49 | 19 | 12 | 2 | 434 |

Spare parts

for Article no.

| | | | |
|------------|-----|--------|-----|
| 84 712 234 | 152 | 1,8 Nm | 018 |
| 84 712 334 | 152 | 1,8 Nm | 018 |
| 84 712 434 | 152 | 1,8 Nm | 018 |



Torx blade

Article no.
80 950 ...



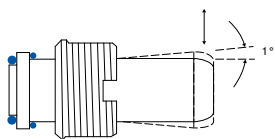
Torque screwdriver

Article no.
80 021 ...

Coolant pipe

Scope of supply:

Complete, including seals



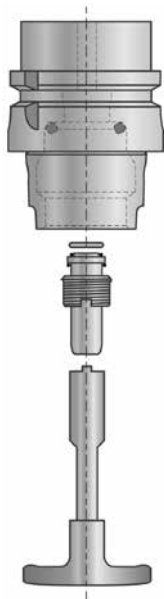
| Size | G | Article no. 83 760 ... |
|---------|-----------|---------------------------|
| HSK 32 | M10 x 1 | 032 |
| HSK 40 | M12 x 1 | 040 |
| HSK 50 | M16 x 1 | 050 |
| HSK 63 | M18 x 1 | 063 |
| HSK 80 | M20 x 1,5 | 080 |
| HSK 100 | M24 x 1,5 | 100 |

Key



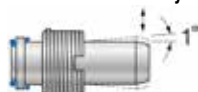
| Size | Article no. 83 758 ... |
|---------|---------------------------|
| HSK 32 | 032 |
| HSK 40 | 040 |
| HSK 50 | 050 |
| HSK 63 | 063 |
| HSK 80 | 080 |
| HSK 100 | 100 |

Coolant pipe for HSK tools

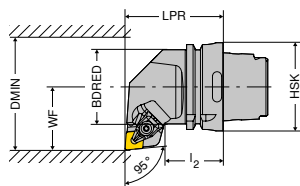


i The coolant pipe is ideally mounted in vertical direction – from the bottom to the top. In this manner the sealing ring is prevented from being compressed during locating which would cause the loss of its sealing function. After mounting, the coolant pipe can be moved only to a minimum degree according to DIN ($\pm 1^\circ$).

Flexibility



MaxiLock-D – DCLN 95° – Toolholder with top clamping







Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|----------------------|-----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 504 ... | Article no. 74 503 ... |
| HSK T63 DCLN R/L 12 | HSK-T 63 | 70 | 42 | 53 | 45 | 100 | CN.. 1204 | 512 | 512 |
| HSK T63 DCLN R/L 16 | HSK-T 63 | 70 | 42 | 53 | 45 | 125 | CN.. 1606 | 516 | 516 |
| HSK T63 DCLN R/L 19 | HSK-T 63 | 70 | 42 | 53 | 45 | 125 | CN.. 1906 | 519 | 519 |
| HSK T100 DCLN R/L 12 | HSK-T 100 | 80 | 45 | 88 | 55 | 125 | CN.. 1204 | 712 | 712 |
| HSK T100 DCLN R/L 19 | HSK-T 100 | 80 | 45 | 88 | 55 | 125 | CN.. 1906 | 719 | 719 |

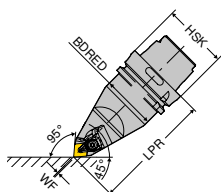
Spare parts

for Article no.

| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 504 512 / 74 503 512 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 504 516 / 74 503 516 | 825 | T20 - IP | 129 | M5x14 - IP |
| 74 504 519 / 74 503 519 | 826 | T20 - IP | 129 | M5x14 - IP |
| 74 504 712 / 74 503 712 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 504 719 / 74 503 719 | 826 | T20 - IP | 129 | M5x14 - IP |

| | | | |
|--|---|---|---|
|  XPress type |  Key D |  Clamping screw |  Carbide type C |
| Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |

MaxiLock-D – DCMN 95° – Toolholder with top clamping







| ISO designation | Adapter | LPR | BDRED | WF | Insert | Neutral |
|--------------------|-----------|-----|-------|----|-----------|---------------------------|
| | | | | | | Article no. 74 506 ... |
| HSK T63 DCMN N 12 | HSK-T 63 | 115 | 53 | 0 | CN.. 1204 | 512 |
| HSK T100 DCMN N 12 | HSK-T 100 | 150 | 88 | 0 | CN.. 1204 | 712 |

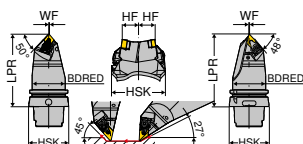
Spare parts

for Article no.

| | | | | | | |
|------------|-----|----------|-----|--------------|-----|-----|
| 74 506 512 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 810 |
| 74 506 712 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 810 |

| | | | |
|--|---|---|---|
|  XPress type |  Key D |  Clamping screw |  Carbide type C |
| Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |

MaxiLock-D – DCMN + DDMN – Toolholder with top clamping



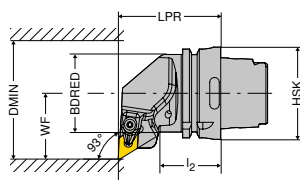
Neutral

| ISO designation | Adapter | LPR | BDRED | WF | HF | Insert | Article no. 74 600 ... |
|--------------------------------|-----------|-----|-------|-----|----|-----------------------|---------------------------|
| | | mm | mm | mm | mm | | |
| HSK T63 DCMN L 12 + DDMN L 15 | HSK-T 63 | 115 | 53 | 0,5 | 20 | CN.. 1204 / DN.. 1506 | 501 |
| HSK T100 DCMN L 12 + DDMN L 15 | HSK-T 100 | 150 | 88 | 0,5 | 20 | CN.. 1204 / DN.. 1506 | 701 |

i Face turning maximum 78 mm

| Spare parts | XPress type | Key D | Clamping screw | Solid Carbide Seat D | Carbide type C | | |
|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----|-----|
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | | |
| for Article no. | | | | | | | |
| 74 600 501 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 811 | 810 |
| 74 600 701 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 811 | 810 |

MaxiLock-D – DDUN 93° – Toolholder with top clamping

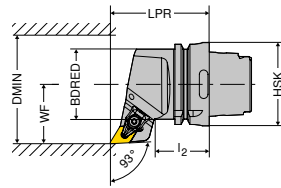


Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l_2 | BDRED | WF | DMIN | Insert | Left-hand Article no. 74 516 ... | Right-hand Article no. 74 515 ... |
|----------------------|-----------|-----|-------|-------|----|------|-----------|--|---|
| | | mm | mm | mm | mm | mm | | | |
| HSK T63 DDUN R/L 15 | HSK-T 63 | 70 | 42 | 53 | 45 | 125 | DN.. 1506 | 515 | 515 |
| HSK T100 DDUN R/L 15 | HSK-T 100 | 80 | 45 | 88 | 55 | 125 | DN.. 1506 | 715 | 715 |

| Spare parts | XPress type | Key D | Clamping screw | Solid Carbide Seat D | | |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----|-----|
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | | |
| for Article no. | | | | | | |
| 74 516 515 / 74 515 515 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 811 |
| 74 516 715 / 74 515 715 | 824 | T15 - IP | 128 | M4,5x12 - IP | 820 | 811 |

MaxiLock-D – DDJN 93° – Toolholder with top clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|----------------------|-----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 512 ... | Article no. 74 511 ... |
| HSK T63 DDJN R/L 15 | HSK-T 63 | 75 | 42 | 53 | 45 | 125 | DN.. 1506 | 515 | 515 |
| HSK T100 DDJN R/L 15 | HSK-T 100 | 85 | 45 | 88 | 55 | 125 | DN.. 1506 | 715 | 715 |

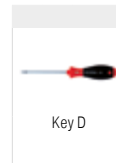
Spare parts

for Article no.

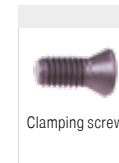
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 512 515 / 74 511 515 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 512 715 / 74 511 715 | 824 | T15 - IP | 128 | M4,5x12 - IP |



Article no.
70 950 ...



Article no.
80 950 ...

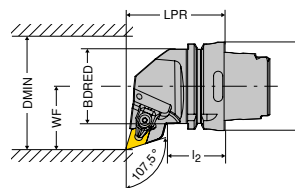


Article no.
70 950 ...



Article no.
70 950 ...

MaxiLock-D – DDHN 107.5° – Toolholder with top clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 508 ... | Article no. 74 507 ... |
| HSK T63 DDHN R/L 15 | HSK-T 63 | 70 | 42 | 53 | 45 | 125 | DN.. 1506 | 515 | 515 |

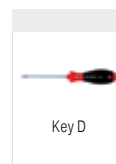
Spare parts

for Article no.

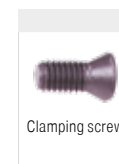
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 508 515 / 74 507 515 | 824 | T15 - IP | 128 | M4,5x12 - IP |



Article no.
70 950 ...



Article no.
80 950 ...

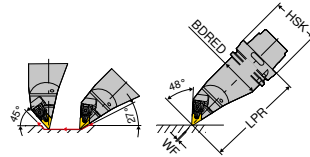


Article no.
70 950 ...



Article no.
70 950 ...

MaxiLock-D – DDMN 48° – Toolholder with top clamping



Left-hand

| ISO designation | Adapter | LPR | BDRED | WF | Insert | Article no. 74 519 ... |
|--------------------|-----------|-----|-------|----|-----------|---------------------------|
| | | mm | mm | mm | | |
| HSK T63 DDMN L 15 | HSK-T 63 | 130 | 53 | 0 | DN.. 1506 | 515 |
| HSK T100 DDMN L 15 | HSK-T 100 | 160 | 88 | 0 | DN.. 1506 | 715 |

Spare parts

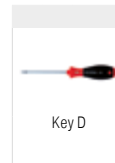
for Article no.

| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 519 515 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 519 715 | 824 | T15 - IP | 128 | M4,5x12 - IP |



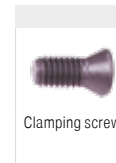
XPress type

Article no.
70 950 ...



Key D

Article no.
80 950 ...



Clamping screw

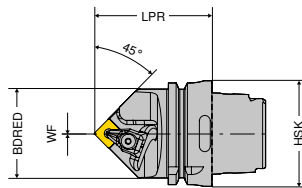
Article no.
70 950 ...



Solid Carbide
Seat D

Article no.
70 950 ...

MaxiLock-D – DSDN 45° – Toolholder with top clamping



Neutral

| ISO designation | Adapter | LPR | BDRED | WF | Insert | Article no. 74 522 ... |
|--------------------|-----------|-----|-------|----|-----------|---------------------------|
| | | mm | mm | mm | | |
| HSK T63 DSDN N 12 | HSK-T 63 | 70 | 53 | 0 | SN.. 1204 | 512 |
| HSK T63 DSDN N 15 | HSK-T 63 | 75 | 53 | 0 | SN.. 1506 | 515 |
| HSK T100 DSDN N 12 | HSK-T 100 | 80 | 88 | 0 | SN.. 1204 | 712 |
| HSK T100 DSDN N 19 | HSK-T 100 | 85 | 88 | 0 | SN.. 1906 | 719 |

Spare parts

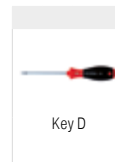
for Article no.

| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 522 512 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 522 515 | 825 | T20 - IP | 129 | M5x14 - IP |
| 74 522 712 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 522 719 | 826 | T20 - IP | 129 | M5x14 - IP |



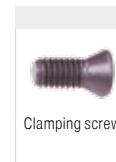
XPress type

Article no.
70 950 ...



Key D

Article no.
80 950 ...



Clamping screw

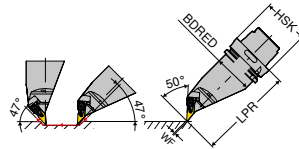
Article no.
70 950 ...



Solid Carbide
support S

Article no.
70 950 ...

MaxiLock-D – DVMN 50° – Toolholder with top clamping



Left-hand

| ISO designation | Adapter | LPR | BDRED | WF | Insert | Article no. 74 525 ... |
|--------------------|-----------|-----|-------|----|-----------|---------------------------|
| | | mm | mm | mm | | |
| HSK T63 DVMN L 16 | HSK-T 63 | 130 | 53 | 0 | VN.. 1604 | 516 |
| HSK T100 DVMN L 16 | HSK-T 100 | 160 | 88 | 0 | VN.. 1604 | 716 |

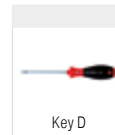
Spare parts

for Article no.

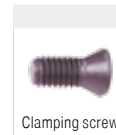
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 525 516 | 835 | T09 - IP | 126 | M3x7 - IP |
| 74 525 716 | 835 | T09 - IP | 126 | M3x7 - IP |



Article no.
70 950 ...



Article no.
80 950 ...

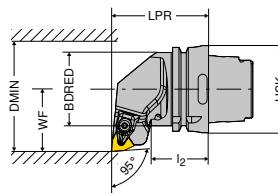


Article no.
70 950 ...



Article no.
70 950 ...

MaxiLock-D – DWLN 95° – Toolholder with top clamping



Illustrations show right-hand versions

Left-hand

Right-hand

| ISO designation | Adapter | LPR | l_2 | BDRED | WF | DMIN | Insert | Article no. 74 529 ... | Article no. 74 528 ... |
|----------------------|-----------|-----|-------|-------|----|------|-----------|---------------------------|---------------------------|
| | | mm | mm | mm | mm | mm | | | |
| HSK T63 DWLN R/L 08 | HSK-T 63 | 70 | 42 | 53 | 45 | 125 | WN.. 0804 | 508 | 508 |
| HSK T100 DWLN R/L 08 | HSK-T 100 | 80 | 45 | 88 | 55 | 125 | WN.. 0804 | 708 | 708 |

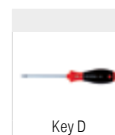
Spare parts

for Article no.

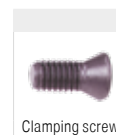
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 74 529 508 / 74 528 508 | 824 | T15 - IP | 128 | M4,5x12 - IP |
| 74 529 708 / 74 528 708 | 824 | T15 - IP | 128 | M4,5x12 - IP |



Article no.
70 950 ...



Article no.
80 950 ...

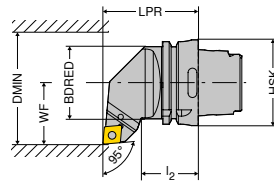


Article no.
70 950 ...



Article no.
70 950 ...

MaxiLock-S – SCLC 95° – Toolholder with screw clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 541 ... | Article no. 74 540 ... |
| HSK T63 SCLC R/L 12 | HSK-T 63 | 70 | 42 | 53 | 45 | 100 | CC.. 1204 | 512 | 512 |

Spare parts

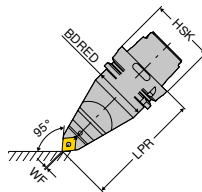
for Article no.

74 541 512 / 74 540 512

| Part Name | Article no. |
|-----------------|-------------|
| Combination Key | 70 950 ... |
| Clamping screw | 70 950 ... |
| Carbide type C | 70 950 ... |
| Threaded sleeve | 70 950 ... |

| | | | | | | |
|--------|-----|---------|-----|-----|------|-----|
| T15/SW | 398 | M4,5x12 | 114 | 166 | M4,5 | 170 |
|--------|-----|---------|-----|-----|------|-----|

MaxiLock-S – SCMC 50° – Toolholder with screw clamping



| ISO designation | Adapter | LPR | BDRED | WF | Insert | Neutral |
|-------------------|----------|-----|-------|----|-----------|---------------------------|
| | | | | | | Article no. 74 542 ... |
| HSK T63 SCMC N 12 | HSK-T 63 | 115 | 53 | 0 | CC.. 1204 | 512 |

Spare parts

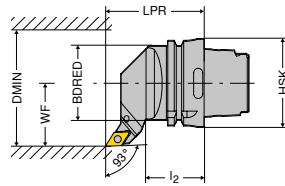
for Article no.

74 542 512

| Part Name | Article no. |
|-----------------|-------------|
| Combination Key | 70 950 ... |
| Clamping screw | 70 950 ... |
| Carbide type C | 70 950 ... |
| Threaded sleeve | 70 950 ... |

| | | | | | | |
|--------|-----|---------|-----|-----|------|-----|
| T15/SW | 398 | M4,5x12 | 114 | 166 | M4,5 | 170 |
|--------|-----|---------|-----|-----|------|-----|

MaxiLock-S – SDJC 93° – Toolholder with screw clamping



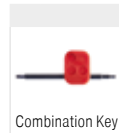
Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 544 ... | Article no. 74 543 ... |
| HSK T63 SDJC R/L 11 | HSK-T 63 | 70 | 42 | 53 | 45 | 100 | DC.. 11T3 | 511 | 511 |

Spare parts

for Article no.

74 544 511 / 74 543 511



Combination Key

Article no.
70 950 ...

398



Clamping screw

Article no.
70 950 ...

113



Solid Carbide
Seat D

Article no.
70 950 ...

106

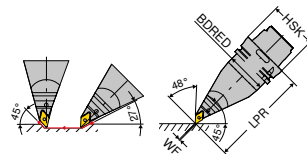


Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-S – SDMC 48° – Toolholder with screw clamping

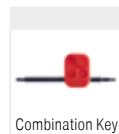


| ISO designation | Adapter | LPR | BDRED | WF | Insert | Left-hand |
|-------------------|----------|-----|-------|----|-----------|---------------------------|
| | | | | | | Article no. 74 546 ... |
| HSK T63 SDMC L 11 | HSK-T 63 | 130 | 53 | 0 | DC.. 11T3 | 511 |

Spare parts

for Article no.

74 546 511



Combination Key

Article no.
70 950 ...

398



Clamping screw

Article no.
70 950 ...

113



Solid Carbide
Seat D

Article no.
70 950 ...

106

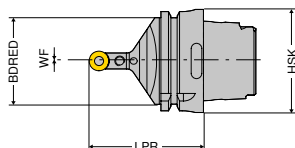


Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-N – PRDC 0° – Toolholder with lever clamping

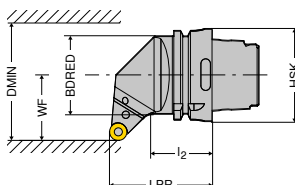


Neutral

| ISO designation | Adapter | LPR | BDRED | WF | Insert | Article no. 74 548 ... |
|--------------------|-----------|-----|-------|----|--------------|---------------------------|
| | | mm | mm | mm | | |
| HSK T63 PRDC N 12 | HSK-T 63 | 70 | 53 | 0 | RC.. 1204 MO | 512 |
| HSK T100 PRDC N 12 | HSK-T 100 | 80 | 88 | 0 | RC.. 1204 MO | 712 |
| HSK T100 PRDC N 16 | HSK-T 100 | 80 | 88 | 0 | RC.. 1606 MO | 716 |

| Spare parts | Key I | Shim | Assembly pin | Lever | Clamping screw | Solid carbide support R |
|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| for Article no. | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
| 74 548 512 | | 175 | 191 | 178 | 208 | 215 |
| 74 548 712 | SW2,5 | 175 | 191 | 178 | 208 | 215 |
| 74 548 716 | SW03 | 176 | 192 | 387 | 390 | 384 |

MaxiLock-N – PRSC – Toolholder with lever clamping

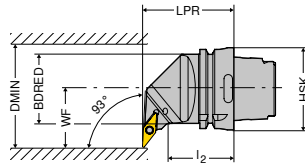


Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|----------------------|-----------|-----|----------------|-------|----|------|--------------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 552 ... | Article no. 74 551 ... |
| | | mm | mm | mm | mm | mm | | | |
| HSK T63 PRSC R/L 12 | HSK-T 63 | 70 | 44 | 53 | 45 | 100 | RC.. 1204 MO | 512 | 512 |
| HSK T100 PRSC R/L 12 | HSK-T 100 | 80 | 57 | 88 | 55 | 106 | RC.. 1204 MO | 712 | 712 |
| HSK T100 PRSC R/L 16 | HSK-T 100 | 80 | 55 | 88 | 55 | 125 | RC.. 1606 MO | 716 | 716 |

| Spare parts | Key I | Shim | Assembly pin | Lever | Clamping screw | Solid carbide support R |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| for Article no. | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... | Article no. 70 950 ... |
| 74 552 512 / 74 551 512 | | 175 | 191 | 178 | 208 | 215 |
| 74 552 712 / 74 551 712 | SW2,5 | 175 | 191 | 178 | 208 | 215 |
| 74 552 716 / 74 551 716 | SW03 | 176 | 192 | 387 | 390 | 384 |

MaxiLock-S – SVUC 93° – Toolholder with screw clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | I ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 557 ... | Article no. 74 558 ... |
| HSK T63 SVUC R/L 16 | HSK-T 63 | 70 | 42 | 53 | 45 | 100 | VC.. 1604 | 516 | 516 |

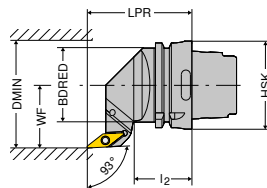
Spare parts

for Article no.

74 557 516 / 74 558 516

| Part | Article no. |
|----------------------|-------------|
| Combination Key | 70 950 ... |
| Clamping screw | 70 950 ... |
| Solid Carbide Seat V | 70 950 ... |
| Threaded sleeve | 70 950 ... |

MaxiLock-S – SVJC 93° – Toolholder with screw clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | I ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 556 ... | Article no. 74 555 ... |
| HSK T63 SVJC R/L 16 | HSK-T 63 | 75 | 42 | 53 | 45 | 100 | VC.. 1604 | 516 | 516 |

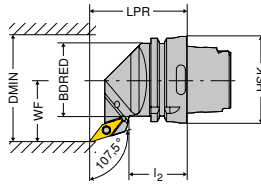
Spare parts

for Article no.

74 556 516 / 74 555 516

| Part | Article no. |
|----------------------|-------------|
| Combination Key | 70 950 ... |
| Clamping screw | 70 950 ... |
| Solid Carbide Seat V | 70 950 ... |
| Threaded sleeve | 70 950 ... |

MaxiLock-S – SVHC 107.5° – Toolholder with screw clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | l ₂ | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|---------------------|----------|-----|----------------|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 554 ... | Article no. 74 553 ... |
| HSK T63 SVHC R/L 16 | HSK-T 63 | 70 | 42 | 53 | 45 | 100 | VC.. 1604 | 516 | 516 |

Spare parts

for Article no.

74 554 516 / 74 553 516



Combination Key

Article no.
70 950 ...

398



Clamping screw

Article no.
70 950 ...

113



Solid Carbide
Seat V

Article no.
70 950 ...

107

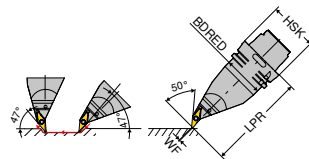


Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-S – SVMC 50° – Toolholder with screw clamping



| ISO designation | Adapter | LPR | BDRED | WF | Insert | Left-hand |
|-------------------|----------|-----|-------|----|-----------|---------------------------|
| | | | | | | Article no. 74 560 ... |
| HSK T63 SVMC L 16 | HSK-T 63 | 130 | 53 | 0 | VC.. 1604 | 516 |

Spare parts

for Article no.

74 560 516



Combination Key

Article no.
70 950 ...

398



Clamping screw

Article no.
70 950 ...

113



Solid Carbide
Seat V

Article no.
70 950 ...

107

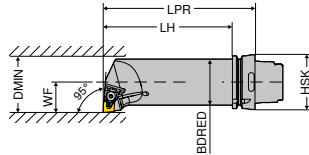


Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-D – DCLN 95° – Boring bar with top clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 529 ... | Article no. 74 528 ... |
| HSK T63 50Q DCLN R/L 12 | HSK-T 63 | 175 | 149 | 50 | 35 | 63 | CN.. 1204 | 512 | 512 |

Spare parts

for Article no.

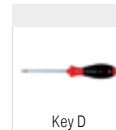
74 529 512 / 74 528 512



XPress type

Article no.
70 950 ...

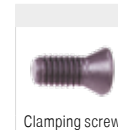
824



Key D

Article no.
80 950 ...

128



Clamping screw

Article no.
70 950 ...

820



Carbide type C

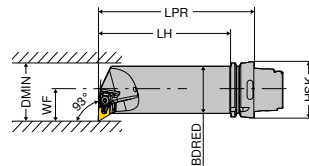
Article no.
70 950 ...

810

T15 - IP

M4,5x12 - IP

MaxiLock-D – DDUN 93° – Boring bar with top clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 533 ... | Article no. 74 532 ... |
| HSK T63 50Q DDUN R/L 15 | HSK-T 63 | 175 | 149 | 50 | 35 | 63 | DN.. 1506 | 515 | 515 |

Spare parts

for Article no.

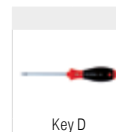
74 533 515 / 74 532 515



XPress type

Article no.
70 950 ...

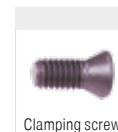
824



Key D

Article no.
80 950 ...

128



Clamping screw

Article no.
70 950 ...

820



Solid Carbide
Seat D

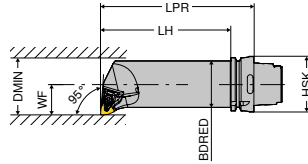
Article no.
70 950 ...

811

T15 - IP

M4,5x12 - IP

MaxiLock-D – DWLN 95° – Boring bar with top clamping



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 537 ... | Article no. 74 536 ... |
| HSK T63 50Q DWLN R/L 08 | HSK-T 63 | 175 | 149 | 50 | 35 | 63 | WN.. 0804 | 508 | 508 |

Spare parts

for Article no.

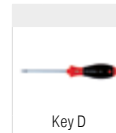
74 537 508 / 74 536 508



XPress type

Article no.
70 950 ...

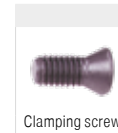
824



Key D

Article no.
80 950 ...

128



Clamping screw

Article no.
70 950 ...

820

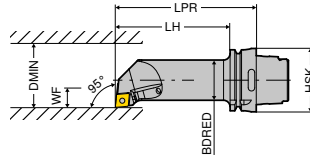


Solid Carbide
Seat W

Article no.
70 950 ...

812

MaxiLock-S – SCLC 95° – Boring bar with screw clamping



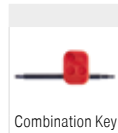
Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 564 ... | Article no. 74 563 ... |
| HSK T63 40L SCLC R/L 12 | HSK-T 63 | 140 | 114 | 40 | 27 | 50 | CC.. 1204 | 512 | 512 |

Spare parts

for Article no.

74 564 512 / 74 563 512



Combination Key

Article no.
70 950 ...

T15/SW

398



Clamping screw

Article no.
70 950 ...

M4,5x12

114



Carbide type C

Article no.
70 950 ...

166



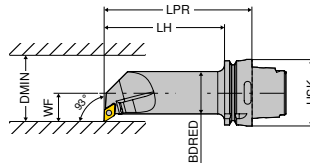
Threaded sleeve

Article no.
70 950 ...

M4,5

170

MaxiLock-S – SDUC 93° – Boring bar with screw clamping



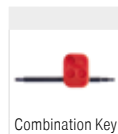
Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 566 ... | Article no. 74 565 ... |
| HSK T63 40L SDUC R/L 11 | HSK-T 63 | 140 | 114 | 40 | 27 | 50 | DC.. 11T3 | 511 | 511 |

Spare parts

for Article no.

74 566 511 / 74 565 511



Combination Key

Article no.
70 950 ...

T15/SW

398



Clamping screw

Article no.
70 950 ...

M3,5x11

113



Solid Carbide
Seat D

Article no.
70 950 ...

106



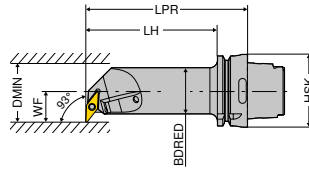
Threaded sleeve

Article no.
70 950 ...

M3,5

171

MaxiLock-S – SVUC 93° – Boring bar with screw clamping



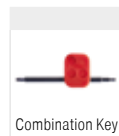
Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LH | BDRED | WF | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|----------|-----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 568 ... | Article no. 74 567 ... |
| HSK T63 40L SVUC R/L 16 | HSK-T 63 | 140 | 114 | 40 | 27 | 50 | VC.. 1604 | 516 | 516 |

Spare parts

for Article no.

74 568 516 / 74 567 516

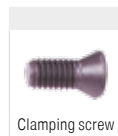


Combination Key

Article no.
70 950 ...

T15/SW

398



Clamping screw

Article no.
70 950 ...

M3,5x11

113



Solid Carbide Seat V

Article no.
70 950 ...

107



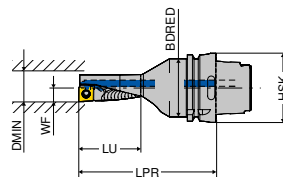
Threaded sleeve

Article no.
70 950 ...

M3,5

171

EcoCut – HSK-T 2.25xD



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | LU | BDRED | WF | DMIN | Left-hand | Right-hand |
|----------------------------|----------|-----|------|-------|------|------|---------------------------|---------------------------|
| | | | | | | | Article no. 74 591 ... | Article no. 74 590 ... |
| HSK T63 EC 25 R/L 2,25D 13 | HSK-T 63 | 125 | 56,5 | 53 | 12,5 | 25 | 525 | 525 |
| HSK T63 EC 32 R/L 2,25D 17 | HSK-T 63 | 125 | 72,0 | 53 | 16,0 | 32 | 532 | 532 |

Spare parts

for Article no.

74 590 525 / 74 591 525

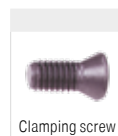
74 590 532 / 74 591 532



Key D

Article no.
80 950 ...

114



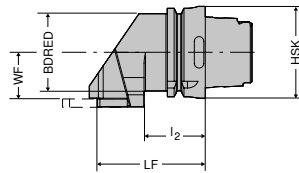
Clamping screw

Article no.
70 950 ...

280

280

ModularClamp MSS – HSK - T Base Holder 0°

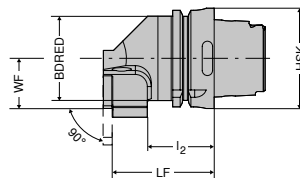


Illustrations show right-hand versions

| ISO designation | Adapter | LF | l ₂ | BDRED | WF | for Grooving Module | Left-hand | Right-hand |
|---------------------|-----------|-----|----------------|-------|------|---------------------|---------------------------|---------------------------|
| | | | | | | | Article no. 74 581 ... | Article no. 74 580 ... |
| HSK T63 E25 R/L 00 | HSK-T 63 | 67 | 42 | 53 | 38,7 | E25 R/L... | 525 | 525 |
| HSK T63 E32 R/L 00 | HSK-T 63 | 74 | 42 | 53 | 38,7 | E32 R/L... | 532 | 532 |
| HSK T100 E32 R/L 00 | HSK-T 100 | 77 | 45 | 88 | 48,7 | E32 R/L... | 732 | 732 |
| HSK T100 E25 R/L 00 | HSK-T 100 | 100 | 45 | 88 | 48,7 | E25 R/L... | 725 | 725 |

| Spare parts | Nozzle | | Key D | | Clamping screw | | |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----|
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 80 950 ... | |
| for Article no. | | | | | | | |
| 74 581 525 / 74 580 525 | | SD 12 x 8 | 850 | T20 | 114 | M5x18 | 404 |
| 74 581 532 / 74 580 532 | | SD 12 x 8 | 850 | T25 | 115 | M6x20 | 405 |
| 74 581 732 / 74 580 732 | | SD 12 x 8 | 850 | T25 | 115 | M6x20 | 405 |
| 74 581 725 / 74 580 725 | | SD 12 x 8 | 850 | T20 | 114 | M5x18 | 404 |

ModularClamp MSS – 90° HSK - T Base Holder

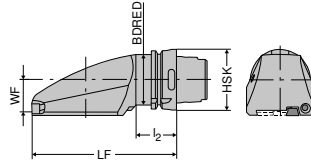


Illustrations show right-hand versions

| ISO designation | Adapter | LF | l ₂ | BDRED | WF | for Grooving Module | Left-hand | Right-hand |
|---------------------|-----------|------|----------------|-------|------|---------------------|---------------------------|---------------------------|
| | | | | | | | Article no. 74 583 ... | Article no. 74 582 ... |
| HSK T63 E32 R/L 90 | HSK-T 63 | 63,7 | 42 | 53 | 31,5 | E32 R/L... | 532 | 532 |
| HSK T100 E32 R/L 90 | HSK-T 100 | 73,7 | 45 | 88 | 50,0 | E32 R/L... | 732 | 732 |

| Spare parts | Nozzle | | Key D | | Clamping screw | | |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----|
| | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 80 950 ... | Article no. 70 950 ... | Article no. 80 950 ... | |
| for Article no. | | | | | | | |
| 74 582 532 / 74 583 532 | | SD 12 x 8 | 850 | T25 | 115 | M6x20 | 405 |
| 74 582 732 / 74 583 732 | | SD 12 x 8 | 850 | T25 | 115 | M6x20 | 405 |

MonoClamp – HSK-T Blade Holder GX/LX/FX/SX

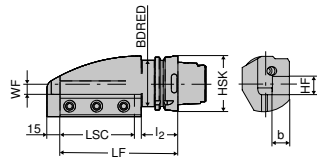


Illustrations show right-hand versions

| ISO designation | Adapter | LF mm | l ₂ mm | BDRED mm | WF mm | for parting blades | Left-hand | Right-hand |
|--------------------------|-----------|----------|----------------------|-------------|----------|--------------------|---------------------------|---------------------------|
| | | | | | | | Article no. 74 585 ... | Article no. 74 584 ... |
| HSK T63 XCLCF 32 R/L 00 | HSK-T 63 | 150 | 42 | 53 | 32 | XLCF R/L 32... | 532 | 532 |
| HSK T100 XCLCF 32 R/L 00 | HSK-T 100 | 160 | 45 | 88 | 45 | XLCF R/L 32... | 732 | 732 |

| Spare parts for Article no. | Nozzle | | Key D | | Clamping wedge | | clamping screw | |
|--------------------------------|---------------------------|-----------|---------------------------|-----|---------------------------|-----|---------------------------|-----|
| | Article no. 70 950 ... | | Article no. 80 950 ... | | Article no. 70 950 ... | | Article no. 70 950 ... | |
| 74 584 532 / 74 585 532 | | SD 10 x 7 | 849 | T25 | 115 | 860 | M6x12 | 861 |
| 74 584 732 / 74 585 732 | | SD 10 x 7 | 849 | T25 | 115 | 860 | M6x12 | 861 |

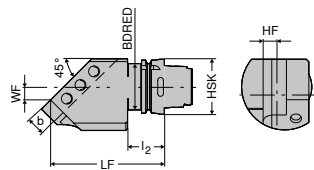
HSK-T square shank adapter 0°



Illustrations show right-hand versions

| ISO designation | Adapter | LF | l ₂ | BDRED | WF | LSC | b | HF | Left-hand | Right-hand |
|-------------------------|-----------|-----|----------------|-------|----|------|----|----|---------------------------|---------------------------|
| | | | | | | | | | Article no. 74 571 ... | Article no. 74 570 ... |
| HSK T63 SH R/L 00 2525 | HSK-T 63 | 135 | 42 | 53 | 13 | 85,5 | 25 | 25 | 525 | 532 |
| HSK T100 SH R/L 00 3232 | HSK-T 100 | 145 | 45 | 88 | 15 | 87,5 | 32 | 32 | 725 | 732 |

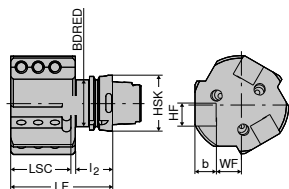
HSK-T square shank adapter 45°



Illustrations show right-hand versions

| ISO designation | Adapter | LF | l ₂ | BDRED | WF | b | HF | Left-hand | Right-hand |
|-------------------------|-----------|-----|----------------|-------|----|----|----|---------------------------|---------------------------|
| | | | | | | | | Article no. 74 573 ... | Article no. 74 572 ... |
| HSK T63 SH R/L 45 2525 | HSK-T 63 | 140 | 42 | 53 | 15 | 25 | 25 | 525 | 525 |
| HSK T100 SH R/L 45 3232 | HSK-T 100 | 160 | 45 | 88 | 20 | 32 | 32 | 732 | 732 |

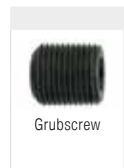
HSK-T square shank adapter 3-face 0°



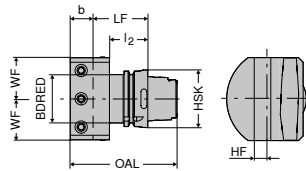
| ISO designation | Adapter | LF | l ₂ | BDRED | WF | LSC | b | HF | Left-hand |
|------------------------|-----------|-----|----------------|-------|----|-----|----|----|---------------------------|
| | | | | | | | | | Article no. 74 576 ... |
| HSK T63 SH3 L 00 2525 | HSK-T 63 | 115 | 42 | 53 | 28 | 68 | 25 | 25 | 525 |
| HSK T100 SH3 L 00 2525 | HSK-T 100 | 120 | 45 | 88 | 33 | 70 | 25 | 25 | 725 |

Spare parts

| Adapter | SD 12 x 8 | Article no. 70 950 ... | M12x1,75x25 | Article no. 70 950 ... |
|-----------|-----------|---------------------------|-------------|---------------------------|
| HSK-T 100 | SD 12 x 8 | 850 | M12x1,75x25 | 851 |
| HSK-T 63 | SD 12 x 8 | 850 | M12x1,75x25 | 851 |



HSK-T square shank adapter 90°



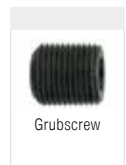
Neutral

| ISO designation | Adapter | LF mm | l ₂ mm | BDRED mm | WF mm | OAL mm | HF mm | b mm | Article no. | |
|-----------------------|-----------|----------|----------------------|-------------|----------|-----------|----------|---------|-------------|-----|
| | | | | | | | | | 74 575 ... | |
| HSK T63 SH N 90 2525 | HSK-T 63 | 60 | 42 | 53 | 45 | 85 | 25 | 25 | | 525 |
| HSK T100 SH N 90 3232 | HSK-T 100 | 58 | 45 | 88 | 50 | 90 | 32 | 32 | | 732 |

Spare parts

for Article no.

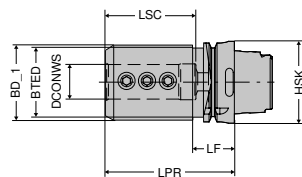
| | | | | |
|------------|-----------|-----|-------------|-----|
| 74 575 525 | SD 10 x 7 | 849 | M12x1,75x25 | 851 |
| 74 575 732 | SD 12 x 8 | 850 | M12x1,75x25 | 851 |



Article no.
70 950 ...

Article no.
70 950 ...

HSK-T Boring bar holder



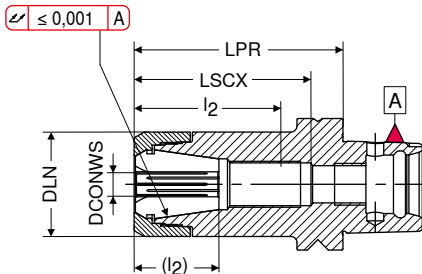
| ISO designation | Adapter | LPR mm | DCONWS mm | BD_1 mm | LSC mm | LF mm | BTED mm | Article no. | |
|-------------------|-----------|-----------|--------------|------------|-----------|----------|------------|-------------|-----|
| | | | | | | | | 74 577 ... | |
| HSK T63 BH08 80 | HSK-T 63 | 80 | 8 | 32 | 41 | | | | 508 |
| HSK T63 BH10 80 | HSK-T 63 | 80 | 10 | 40 | 41 | | | | 510 |
| HSK T63 BH12 80 | HSK-T 63 | 80 | 12 | 40 | 41 | | | | 512 |
| HSK T63 BH16 80 | HSK-T 63 | 80 | 16 | 40 | 51 | | | | 516 |
| HSK T63 BH20 80 | HSK-T 63 | 80 | 20 | 50 | 51 | | | | 520 |
| HSK T63 BH25 90 | HSK-T 63 | 90 | 25 | 53 | 61 | | | | 525 |
| HSK T63 BH32 95 | HSK-T 63 | 95 | 32 | 68 | 61 | 42 | 53 | | 532 |
| HSK T100 BH20 90 | HSK-T 100 | 90 | 20 | 55 | 56 | | | | 720 |
| HSK T100 BH25 95 | HSK-T 100 | 95 | 25 | 55 | 61 | | | | 725 |
| HSK T100 BH32 110 | HSK-T 100 | 110 | 32 | 68 | 61 | | | | 732 |
| HSK T100 BH40 120 | HSK-T 100 | 120 | 40 | 83 | 81 | | | | 740 |
| HSK T100 BH50 125 | HSK-T 100 | 125 | 50 | 98 | 91 | 45 | 88 | | 750 |

ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000

| Adapter | DCONWS | LPR | DLN | LSCX | l_2 (l_2) | for collet | Article no. 84 112 ... |
|---------|--------|-----|-----|------|-------------------|-------------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| PSC 40 | 1 - 10 | 55 | 30 | 47 | 29 - 38 | 426E (ER16) | 402 |
| PSC 40 | 1 - 13 | 55 | 32 | 44 | | 428E (ER20) | 406 |
| PSC 50 | 1 - 10 | 60 | 30 | 47 | 29 - 38 | 426E (ER16) | 501 |
| PSC 50 | 1 - 10 | 100 | 30 | 87 | 29 - 51 (29 - 37) | 426E (ER16) | 502 |
| PSC 50 | 1 - 16 | 60 | 40 | 48 | | 430E (ER25) | 505 |
| PSC 50 | 2 - 20 | 60 | 50 | 49 | | 470E (ER32) | 507 |
| PSC 63 | 1 - 10 | 60 | 30 | 44 | | 426E (ER16) | 601 |
| PSC 63 | 1 - 10 | 100 | 30 | 83 | 29 - 53 (25 - 39) | 426E (ER16) | 602 |
| PSC 63 | 1 - 13 | 60 | 32 | 44 | | 428E (ER20) | 603 |
| PSC 63 | 1 - 13 | 100 | 32 | 84 | 33 - 59 | 428E (ER20) | 604 |
| PSC 63 | 1 - 16 | 60 | 40 | 38 | | 430E (ER25) | 605 |
| PSC 63 | 1 - 16 | 100 | 40 | 78 | 36 - 62 (30 - 45) | 430E (ER25) | 606 |
| PSC 63 | 1 - 16 | 130 | 40 | 99 | 34 - 70 (30 - 50) | 430E (ER25) | 607 |
| PSC 63 | 1 - 16 | 160 | 40 | 118 | 34 - 70 (30 - 50) | 430E (ER25) | 608 |
| PSC 63 | 2 - 20 | 60 | 50 | 42 | | 470E (ER32) | 609 |
| PSC 63 | 2 - 20 | 100 | 50 | 79 | 45 - 63 (25 - 45) | 470E (ER32) | 610 |
| PSC 63 | 2 - 20 | 130 | 50 | 99 | 45 - 63 (25 - 53) | 470E (ER32) | 611 |
| PSC 63 | 3 - 26 | 65 | 63 | 51 | | 472E (ER40) | 612 |
| PSC 63 | 3 - 26 | 100 | 63 | 86 | 46 - 50 | 472E (ER40) | 613 |
| PSC 80 | 2 - 20 | 100 | 50 | 86 | 41 - 63 (27 - 45) | 470E (ER32) | 804 |
| PSC 80 | 3 - 26 | 100 | 63 | 86 | 47 - 55 | 472E (ER40) | 808 |

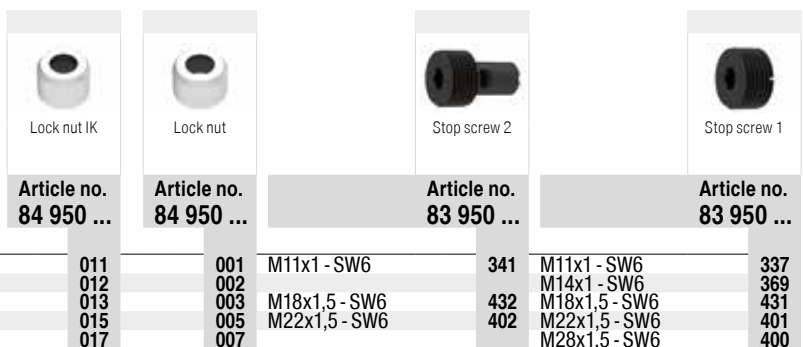
→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
- l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
- Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

| | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 83 950 ... | Article no. 83 950 ... |
|-------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 426E (ER16) | 011 | 001 | M11x1 - SW6 | 341 |
| 428E (ER20) | 012 | 002 | M14x1 - SW6 | 337 |
| 430E (ER25) | 013 | 003 | M18x1,5 - SW6 | 369 |
| 470E (ER32) | 015 | 005 | M22x1,5 - SW6 | 431 |
| 472E (ER40) | 017 | 007 | M28x1,5 - SW6 | 401 |

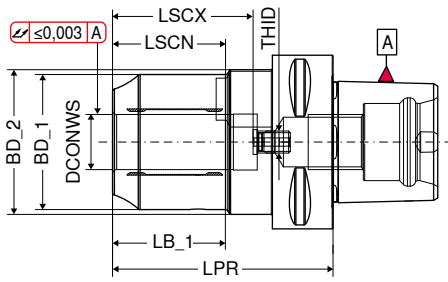


High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

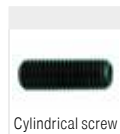
Article no.
84 108 ...

62000

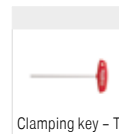
| Adapter | DCONWS | LPR | LB_1 | BD_1 | BD_2 | LSCX | LSCN | THID |
|---------|--------|-----|------|------|------|------|------|------|
| | mm | mm | mm | mm | mm | mm | mm | |
| PSC 63 | 20 | 80 | 41 | 49 | 52,5 | 51 | 41 | M8x1 |

→ Min. clamping depth, Page 233

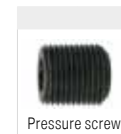
i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



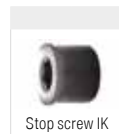
Cylindrical screw



Clamping key - T



Pressure screw



Stop screw IK

Spare parts

for Article no.
84 108 62000

| | | | | | | | | | | | |
|--------------|---------------------------|-----|-----|---------------------------|-----|----------|---------------------------|-----|------------------|---------------------------|-----|
| M5x5 - SW2,5 | Article no. 83 950 ... | 157 | SW5 | Article no. 80 397 ... | 050 | M10x1x14 | Article no. 83 950 ... | 429 | M16x1x13,5 - SW8 | Article no. 83 950 ... | 424 |
|--------------|---------------------------|-----|-----|---------------------------|-----|----------|---------------------------|-----|------------------|---------------------------|-----|

Accessories

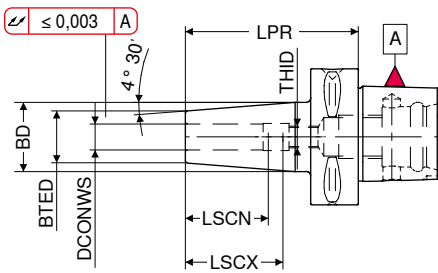
| | | |
|------------------|-----------------------|---------|
| | | |
| Reduction sleeve | Coolant transfer pipe | Others |
| → 17 32 | → 173 | → 17 34 |

Shrink adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder **without** IK back stop screw



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000

| | Adapter | LPR | DCONWS | BTED | BD | LSCX | LSCN | THID | Article no. | | |
|--------|---------|-----|--------|------|----|------|-------|-------|-------------|------------|------------|
| | | | | | | | | | 84 104 ... | 84 105 ... | 84 106 ... |
| short | PSC 32 | 65 | 6 | 21 | 27 | 36 | 26 | M5 | 306 | | |
| | PSC 32 | 65 | 8 | 21 | 27 | 36 | 26 | M6 | 308 | | |
| | PSC 32 | 70 | 10 | 24 | 32 | 41 | 31 | M8x1 | 310 | | |
| | PSC 32 | 75 | 12 | 24 | 32 | 47 | 37 | M10x1 | 312 | | |
| | PSC 40 | 75 | 6 | 21 | 27 | 36 | 26 | M5 | 406 | | |
| | PSC 40 | 75 | 8 | 21 | 27 | 36 | 26 | M6 | 408 | | |
| | PSC 40 | 75 | 10 | 24 | 32 | 41 | 31 | M8x1 | 410 | | |
| | PSC 40 | 75 | 12 | 24 | 32 | 47 | 37 | M10x1 | 412 | | |
| | PSC 40 | 80 | 14 | 27 | 34 | 47 | 37 | M10x1 | 414 | | |
| | PSC 40 | 80 | 16 | 27 | 34 | 50 | 40 | M12x1 | 416 | | |
| | PSC 40 | 80 | 18 | 33 | 42 | 50 | 40 | M12x1 | 418 | | |
| | PSC 40 | 85 | 20 | 33 | 42 | 52 | 42 | M16x1 | 420 | | |
| short | PSC 50 | 65 | 3 | 12 | 17 | | | | 503 | | |
| | PSC 50 | 65 | 4 | 12 | 17 | | | | 504 | | |
| | PSC 50 | 65 | 5 | 12 | 17 | | | | 505 | | |
| | PSC 50 | 75 | 6 | 21 | 30 | 36 | 26 | M5 | 506 | | |
| | PSC 50 | 75 | 8 | 21 | 30 | 36 | 26 | M6 | 508 | | |
| | PSC 50 | 75 | 10 | 24 | 33 | 41 | 31 | M8x1 | 510 | | |
| | PSC 50 | 75 | 12 | 24 | 33 | 47 | 37 | M10x1 | 512 | | |
| | PSC 50 | 80 | 14 | 27 | 34 | 47 | 37 | M10x1 | 514 | | |
| | PSC 50 | 80 | 16 | 27 | 34 | 50 | 40 | M12x1 | 516 | | |
| | PSC 50 | 80 | 18 | 33 | 42 | 50 | 40 | M12x1 | 518 | | |
| | PSC 50 | 85 | 20 | 33 | 42 | 52 | 42 | M16x1 | 520 | | |
| | PSC 50 | 90 | 25 | 44 | 53 | 58 | 48 | M16x1 | 525 | | |
| long | PSC 50 | 120 | 6 | 21 | 32 | 36 | 26 | M5 | | 506 | |
| | PSC 50 | 120 | 8 | 21 | 32 | 36 | 26 | M6 | | 508 | |
| | PSC 50 | 120 | 10 | 24 | 34 | 41 | 31 | M8x1 | | 510 | |
| | PSC 50 | 120 | 12 | 24 | 34 | 47 | 37 | M10x1 | | 512 | |
| | PSC 50 | 120 | 14 | 27 | 36 | 47 | 37 | M10x1 | | 514 | |
| | PSC 50 | 120 | 16 | 27 | 36 | 50 | 40 | M12x1 | | 516 | |
| | PSC 50 | 120 | 18 | 33 | 42 | 50 | 40 | M12x1 | | 518 | |
| | PSC 50 | 120 | 20 | 33 | 42 | 52 | 42 | M16x1 | | 520 | |
| short | PSC 63 | 80 | 3 | 12 | 17 | | | | 603 | | |
| | PSC 63 | 80 | 4 | 12 | 17 | | | | 604 | | |
| | PSC 63 | 80 | 5 | 12 | 17 | | | | 605 | | |
| | PSC 63 | 80 | 6 | 21 | 27 | 36 | 26 | M5 | 606 | | |
| | PSC 63 | 80 | 8 | 21 | 27 | 36 | 26 | M6 | 608 | | |
| | PSC 63 | 80 | 10 | 24 | 32 | 41 | 31 | M8x1 | 610 | | |
| | PSC 63 | 80 | 12 | 24 | 32 | 47 | 37 | M10x1 | 612 | | |
| | PSC 63 | 85 | 14 | 27 | 34 | 47 | 37 | M10x1 | 614 | | |
| | PSC 63 | 85 | 16 | 27 | 34 | 50 | 40 | M12x1 | 616 | | |
| | PSC 63 | 85 | 18 | 33 | 42 | 50 | 40 | M12x1 | 618 | | |
| | PSC 63 | 85 | 20 | 33 | 42 | 52 | 42 | M16x1 | 620 | | |
| | PSC 63 | 90 | 25 | 44 | 53 | 58 | 48 | M16x1 | 625 | | |
| PSC 63 | 95 | 32 | 44 | 53 | 61 | 51 | M16x1 | 632 | | | |
| long | PSC 63 | 120 | 6 | 21 | 32 | 36 | 26 | M5 | | 606 | |
| | PSC 63 | 120 | 8 | 21 | 32 | 36 | 26 | M6 | | 608 | |
| | PSC 63 | 120 | 10 | 24 | 32 | 41 | 31 | M8x1 | | 610 | |
| | PSC 63 | 120 | 12 | 24 | 32 | 47 | 37 | M10x1 | | 612 | |
| | PSC 63 | 120 | 14 | 27 | 36 | 47 | 37 | M10x1 | | 614 | |
| | PSC 63 | 120 | 16 | 27 | 36 | 50 | 40 | M12x1 | | 616 | |
| | PSC 63 | 120 | 18 | 33 | 44 | 50 | 40 | M12x1 | | 618 | |
| | PSC 63 | 120 | 20 | 33 | 44 | 52 | 42 | M16x1 | | 620 | |
| | PSC 63 | 120 | 25 | 44 | 53 | 58 | 48 | M16x1 | | 625 | |
| | PSC 63 | 120 | 32 | 44 | 53 | 61 | 51 | M16x1 | | 632 | |

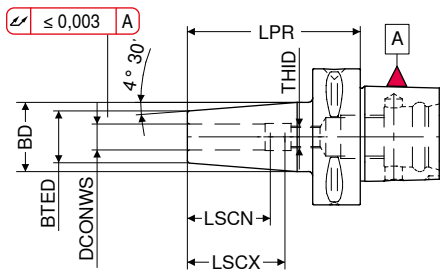
→ Min. clamping depth, Page 233

Shrink adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder **without** IK back stop screw



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000

| | Adapter | LPR | DCONWS | BTED | BD | LSCX | LSCN | THID | Article no. | | |
|------------|---------|-----|--------|------|----|------|------|-------|-------------|------------|------------|
| | | | | | | | | | 84 104 ... | 84 105 ... | 84 106 ... |
| extra-long | PSC 63 | 160 | 6 | 21 | 32 | 36 | 26 | M5 | | | 606 |
| | PSC 63 | 160 | 8 | 21 | 32 | 36 | 26 | M6 | | | 608 |
| | PSC 63 | 160 | 10 | 24 | 34 | 41 | 31 | M8x1 | | | 610 |
| | PSC 63 | 160 | 12 | 24 | 34 | 47 | 37 | M10x1 | | | 612 |
| | PSC 63 | 160 | 14 | 27 | 36 | 47 | 37 | M10x1 | | | 614 |
| | PSC 63 | 160 | 16 | 27 | 36 | 50 | 40 | M12x1 | | | 616 |
| | PSC 63 | 160 | 18 | 33 | 44 | 50 | 40 | M12x1 | | | 618 |
| | PSC 63 | 160 | 20 | 33 | 44 | 52 | 42 | M16x1 | | | 620 |
| | PSC 63 | 160 | 25 | 44 | 53 | 58 | 48 | M16x1 | | | 625 |
| | PSC 63 | 160 | 32 | 44 | 53 | 61 | 51 | M16x1 | | | 632 |
| short | PSC 80 | 85 | 6 | 21 | 27 | 36 | 26 | M5 | 806 | | |
| | PSC 80 | 85 | 8 | 21 | 27 | 36 | 26 | M6 | 808 | | |
| | PSC 80 | 85 | 10 | 24 | 32 | 41 | 31 | M8x1 | 810 | | |
| | PSC 80 | 85 | 12 | 24 | 32 | 47 | 37 | M10x1 | 812 | | |
| | PSC 80 | 90 | 14 | 27 | 34 | 47 | 37 | M10x1 | 814 | | |
| | PSC 80 | 90 | 16 | 27 | 34 | 50 | 40 | M12x1 | 816 | | |
| | PSC 80 | 90 | 18 | 33 | 42 | 50 | 40 | M12x1 | 818 | | |
| | PSC 80 | 90 | 20 | 33 | 42 | 52 | 42 | M16x1 | 820 | | |
| | PSC 80 | 95 | 25 | 44 | 53 | 58 | 48 | M16x1 | 825 | | |
| | PSC 80 | 100 | 32 | 44 | 53 | 61 | 51 | M16x1 | 832 | | |
| long | PSC 80 | 120 | 6 | 21 | 32 | 36 | 26 | M5 | | 806 | |
| | PSC 80 | 120 | 8 | 21 | 32 | 36 | 26 | M6 | | 808 | |
| | PSC 80 | 120 | 10 | 24 | 34 | 41 | 31 | M8x1 | | 810 | |
| | PSC 80 | 120 | 12 | 24 | 34 | 47 | 37 | M10x1 | | 812 | |
| | PSC 80 | 120 | 14 | 27 | 36 | 47 | 37 | M10x1 | | 814 | |
| | PSC 80 | 120 | 16 | 27 | 36 | 50 | 40 | M12x1 | | 816 | |
| | PSC 80 | 120 | 18 | 33 | 44 | 50 | 40 | M12x1 | | 818 | |
| | PSC 80 | 120 | 20 | 33 | 44 | 52 | 42 | M16x1 | | 820 | |
| | PSC 80 | 120 | 25 | 44 | 53 | 58 | 48 | M16x1 | | 825 | |
| | PSC 80 | 120 | 32 | 44 | 53 | 61 | 51 | M16x1 | | 832 | |

→ Min. clamping depth, Page 233

Spare parts DCONWS

| | |
|---------|-----|
| 6 | 140 |
| 8 | 141 |
| 10 | 142 |
| 12 - 14 | 143 |
| 16 - 18 | 144 |
| 20 - 32 | 145 |

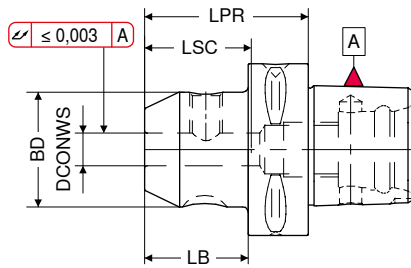


Backstop screw IK

Article no.
84 950 ...

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



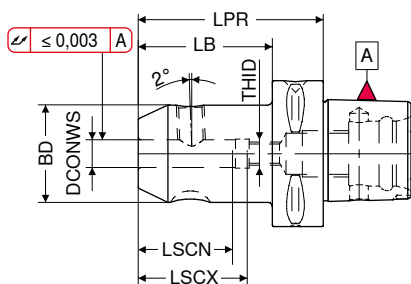
AD
G 6,3 n_{max} 15000

Article no.
84 100 ...

| Adapter | DCONWS | LPR | BD | LB | LSC | Article no. |
|---------|--------|-----|-----|----|-----|-------------|
| | mm | mm | mm | mm | mm | 84 100 ... |
| PSC 32 | 6 | 45 | 25 | 30 | 35 | 306 |
| PSC 32 | 8 | 45 | 28 | 30 | 35 | 308 |
| PSC 32 | 10 | 50 | 35 | 35 | 39 | 310 |
| PSC 32 | 12 | 55 | 42 | 40 | 44 | 312 |
| PSC 40 | 6 | 50 | 25 | 30 | 35 | 406 |
| PSC 40 | 8 | 50 | 28 | 30 | 35 | 408 |
| PSC 40 | 10 | 50 | 35 | 30 | 39 | 410 |
| PSC 40 | 12 | 55 | 42 | 35 | 44 | 412 |
| PSC 40 | 14 | 55 | 44 | 35 | 44 | 414 |
| PSC 40 | 16 | 55 | 48 | 35 | 47 | 416 |
| PSC 50 | 6 | 50 | 25 | 30 | 35 | 506 |
| PSC 50 | 8 | 50 | 28 | 30 | 35 | 508 |
| PSC 50 | 10 | 55 | 35 | 35 | 39 | 510 |
| PSC 50 | 12 | 60 | 42 | 40 | 44 | 512 |
| PSC 50 | 14 | 60 | 44 | 40 | 44 | 514 |
| PSC 50 | 16 | 60 | 48 | 40 | 47 | 516 |
| PSC 50 | 18 | 60 | 50 | 40 | 47 | 518 |
| PSC 50 | 20 | 60 | 52 | 40 | 47 | 520 |
| PSC 50 | 25 | 80 | 65 | 60 | 54 | 525 |
| PSC 63 | 6 | 55 | 25 | 33 | 35 | 606 |
| PSC 63 | 8 | 55 | 28 | 33 | 35 | 608 |
| PSC 63 | 10 | 60 | 35 | 38 | 39 | 610 |
| PSC 63 | 12 | 60 | 42 | 38 | 44 | 612 |
| PSC 63 | 14 | 60 | 44 | 38 | 44 | 614 |
| PSC 63 | 16 | 65 | 48 | 43 | 47 | 616 |
| PSC 63 | 18 | 65 | 50 | 43 | 47 | 618 |
| PSC 63 | 20 | 65 | 52 | 43 | 49 | 620 |
| PSC 63 | 25 | 80 | 65 | 58 | 54 | 625 |
| PSC 63 | 32 | 90 | 72 | 68 | 58 | 632 |
| PSC 63 | 40 | 100 | 80 | 78 | 75 | 640 |
| PSC 80 | 6 | 70 | 25 | 40 | 35 | 806 |
| PSC 80 | 8 | 70 | 28 | 40 | 35 | 808 |
| PSC 80 | 10 | 70 | 35 | 40 | 39 | 810 |
| PSC 80 | 12 | 70 | 42 | 40 | 44 | 812 |
| PSC 80 | 14 | 70 | 44 | 40 | 44 | 814 |
| PSC 80 | 16 | 70 | 48 | 50 | 47 | 816 |
| PSC 80 | 18 | 70 | 50 | 40 | 47 | 818 |
| PSC 80 | 20 | 70 | 52 | 40 | 49 | 820 |
| PSC 80 | 25 | 80 | 65 | 50 | 54 | 825 |
| PSC 80 | 32 | 80 | 72 | 50 | 58 | 832 |
| PSC 80 | 40 | 110 | 80 | 80 | 75 | 840 |
| PSC 80 | 50 | 120 | 100 | 90 | 83 | 850 |

Cylindrical Shank Adapter (Whistle Notch)

▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat



AD
G 6,3 n_{max} 15000

Article no.
84 102 ...

| Adapter | DCONWS | LPR | BD | LB | LSCX | LSCN | THID | Article no. |
|---------|--------|-----|----|----|------|------|------|-------------|
| | mm | mm | mm | mm | mm | mm | | 84 102 ... |
| PSC 32 | 6 | 70 | 25 | 55 | 38 | 28 | M5 | 306 |
| PSC 32 | 8 | 70 | 28 | 55 | 38 | 28 | M6 | 308 |
| PSC 32 | 10 | 70 | 35 | 55 | 41 | 31 | M8 | 310 |
| PSC 32 | 12 | 75 | 42 | 60 | 47 | 37 | M10 | 312 |
| PSC 40 | 6 | 70 | 25 | 50 | 38 | 28 | M5 | 406 |
| PSC 40 | 8 | 70 | 28 | 50 | 38 | 28 | M6 | 408 |
| PSC 40 | 10 | 70 | 35 | 50 | 41 | 31 | M8 | 410 |
| PSC 40 | 12 | 75 | 42 | 55 | 47 | 37 | M10 | 412 |
| PSC 40 | 14 | 75 | 44 | 55 | 47 | 37 | M10 | 414 |
| PSC 50 | 6 | 70 | 25 | 50 | 38 | 28 | M5 | 506 |
| PSC 50 | 8 | 70 | 28 | 50 | 38 | 28 | M6 | 508 |
| PSC 50 | 10 | 70 | 35 | 50 | 41 | 31 | M8 | 510 |
| PSC 50 | 12 | 75 | 42 | 55 | 47 | 37 | M10 | 512 |
| PSC 50 | 14 | 75 | 44 | 55 | 47 | 37 | M10 | 514 |
| PSC 50 | 16 | 80 | 48 | 60 | 50 | 40 | M12 | 516 |
| PSC 50 | 18 | 80 | 50 | 60 | 50 | 40 | M12 | 518 |
| PSC 50 | 20 | 85 | 52 | 65 | 52 | 42 | M16 | 520 |
| PSC 63 | 6 | 75 | 25 | 53 | 38 | 28 | M5 | 606 |
| PSC 63 | 8 | 75 | 28 | 53 | 38 | 28 | M6 | 608 |
| PSC 63 | 10 | 75 | 35 | 53 | 41 | 31 | M8 | 610 |
| PSC 63 | 12 | 80 | 42 | 58 | 47 | 37 | M10 | 612 |
| PSC 63 | 14 | 80 | 44 | 58 | 47 | 37 | M10 | 614 |
| PSC 63 | 16 | 80 | 48 | 58 | 50 | 40 | M12 | 616 |
| PSC 63 | 18 | 80 | 50 | 58 | 50 | 40 | M12 | 618 |
| PSC 63 | 20 | 85 | 52 | 63 | 52 | 42 | M16 | 620 |
| PSC 63 | 25 | 90 | 65 | 68 | 58 | 48 | M16 | 625 |
| PSC 63 | 32 | 95 | 72 | 73 | 61 | 51 | M16 | 632 |
| PSC 80 | 6 | 65 | 25 | 35 | 38 | 28 | M5 | 806 |
| PSC 80 | 8 | 65 | 28 | 35 | 38 | 28 | M6 | 808 |
| PSC 80 | 10 | 65 | 35 | 35 | 41 | 31 | M8 | 810 |
| PSC 80 | 12 | 70 | 42 | 40 | 47 | 37 | M10 | 812 |
| PSC 80 | 14 | 70 | 44 | 40 | 47 | 37 | M10 | 814 |
| PSC 80 | 16 | 75 | 48 | 45 | 50 | 40 | M12 | 816 |
| PSC 80 | 18 | 75 | 50 | 45 | 50 | 40 | M12 | 818 |
| PSC 80 | 20 | 80 | 52 | 50 | 52 | 42 | M16 | 820 |
| PSC 80 | 25 | 90 | 65 | 60 | 58 | 48 | M16 | 825 |
| PSC 80 | 32 | 95 | 72 | 65 | 61 | 51 | M16 | 832 |



Backstop screw IK

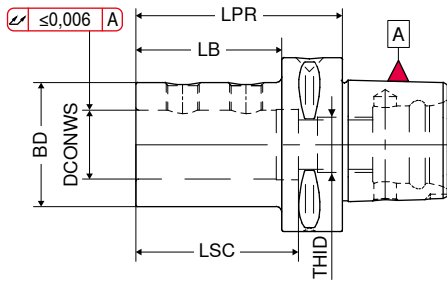
Spare parts
DCONWS

Article no.
84 950 ...

| | | |
|---------|-----|-----|
| 6 | M5 | 146 |
| 8 | M6 | 147 |
| 10 | M8 | 148 |
| 12 - 14 | M10 | 149 |
| 16 - 18 | M12 | 150 |
| 20 - 32 | M16 | 151 |

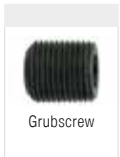
Indexable insert drill adapter ISO 26623-1 PSC

▲ Run out ≤ 0.005 mm



AD

| Adapter | DCONWS | LPR | BD | LB | LSC | THID | Article no. 84 128 ... |
|---------|--------|-----|----|----|-----|-------|---------------------------|
| | mm | mm | mm | mm | mm | | |
| PSC 32 | 16 | 60 | 36 | 45 | 49 | M10x1 | 316 |
| PSC 32 | 20 | 60 | 40 | 45 | 54 | M10x1 | 320 |
| PSC 40 | 16 | 60 | 36 | 40 | 49 | M10x1 | 416 |
| PSC 40 | 20 | 60 | 40 | 40 | 54 | M10x1 | 420 |
| PSC 40 | 25 | 80 | 45 | 50 | 59 | M12x1 | 425 |
| PSC 50 | 16 | 65 | 36 | 45 | 49 | M10x1 | 516 |
| PSC 50 | 20 | 65 | 40 | 45 | 54 | M10x1 | 520 |
| PSC 50 | 25 | 70 | 45 | 50 | 59 | M12x1 | 525 |
| PSC 50 | 32 | 75 | 52 | 55 | 63 | M12x1 | 532 |
| PSC 63 | 16 | 70 | 36 | 48 | 49 | M10x1 | 616 |
| PSC 63 | 20 | 70 | 40 | 48 | 54 | M10x1 | 620 |
| PSC 63 | 25 | 75 | 45 | 53 | 59 | M12x1 | 625 |
| PSC 63 | 32 | 75 | 52 | 53 | 63 | M12x1 | 632 |
| PSC 63 | 40 | 85 | 65 | 63 | 73 | M16x1 | 640 |
| PSC 63 | 50 | 115 | 75 | 93 | 83 | M16x1 | 650 |
| PSC 80 | 16 | 80 | 36 | 50 | 49 | M10x1 | 816 |
| PSC 80 | 20 | 80 | 40 | 50 | 54 | M10x1 | 820 |
| PSC 80 | 25 | 85 | 45 | 55 | 59 | M12x1 | 825 |
| PSC 80 | 32 | 90 | 52 | 60 | 63 | M12x1 | 832 |
| PSC 80 | 40 | 95 | 65 | 65 | 73 | M16x1 | 840 |
| PSC 80 | 50 | 100 | 75 | 70 | 83 | M16x1 | 850 |



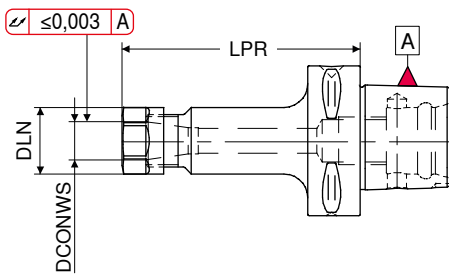
Grubscrew

Spare parts
DCONWS

| | | Article no. 83 950 ... |
|---------|----------|---------------------------|
| 16 - 20 | M10x1x10 | 180 |
| 25 - 32 | M10x1x12 | 181 |
| 40 - 50 | M16x1x13 | 182 |

ER Collet chuck

▲ Without an internal thread



AD
G 6,3 n_{max} 15000

| Adapter | DCONWS | LPR | DLN | TQX | for collet | Article no. 84 114 ... |
|---------|--------|-----|-----|--------|-------------|---------------------------|
| | mm | mm | mm | Nm | | |
| PSC 32 | 1 - 10 | 45 | 28 | 8 - 56 | 426E (ER16) | 304 |
| PSC 40 | 1 - 10 | 55 | 28 | 8 - 56 | 426E (ER16) | 404 |
| PSC 50 | 1 - 10 | 60 | 28 | 8 - 56 | 426E (ER16) | 504 |
| PSC 50 | 1 - 10 | 100 | 28 | 8 - 56 | 426E (ER16) | 506 |
| PSC 63 | 1 - 10 | 60 | 28 | 8 - 56 | 426E (ER16) | 604 |
| PSC 63 | 1 - 10 | 100 | 28 | 8 - 56 | 426E (ER16) | 606 |
| PSC 80 | 1 - 10 | 60 | 28 | 8 - 56 | 426E (ER16) | 804 |
| PSC 80 | 1 - 10 | 100 | 28 | 8 - 56 | 426E (ER16) | 806 |



Lock nut

Spare parts

for collet

| | | |
|-------------|----------------|----------------------------------|
| 426E (ER16) | M22x1,5 - SW25 | Article no. 62 950 ... 044 |
|-------------|----------------|----------------------------------|

Accessories

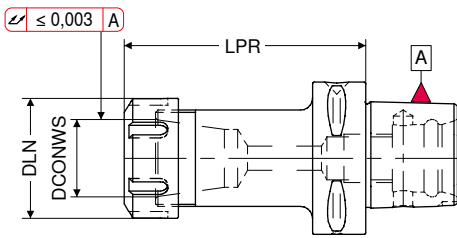


ER collet

→ 211, 213

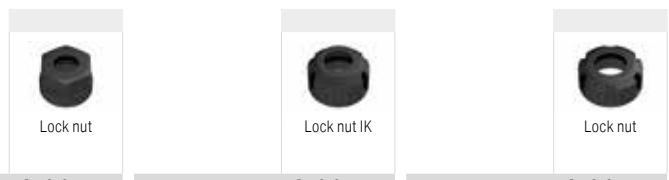
ER Collet chuck

▲ Without an internal thread



AD
G 6,3 n_{max} 15000

| Adapter | DCONWS | LPR | DLN | TQX | for collet | Article no. 84 115 ... |
|---------|--------|-----|-----|----------|-------------|---------------------------|
| | | | | | | |
| PSC 32 | 1 - 13 | 45 | 34 | 16 - 80 | 428E (ER20) | 306 |
| PSC 40 | 1 - 13 | 55 | 34 | 16 - 80 | 428E (ER20) | 404 |
| PSC 40 | 1 - 16 | 55 | 42 | 24 - 104 | 430E (ER25) | 406 |
| PSC 40 | 2 - 20 | 55 | 50 | 24 - 136 | 470E (ER32) | 408 |
| PSC 50 | 1 - 13 | 60 | 34 | 16 - 80 | 428E (ER20) | 502 |
| PSC 50 | 1 - 13 | 100 | 34 | 16 - 80 | 428E (ER20) | 504 |
| PSC 50 | 1 - 16 | 60 | 42 | 24 - 104 | 430E (ER25) | 506 |
| PSC 50 | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | 508 |
| PSC 50 | 2 - 20 | 60 | 50 | 24 - 136 | 470E (ER32) | 510 |
| PSC 50 | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | 512 |
| PSC 50 | 3 - 26 | 65 | 63 | 176 | 472E (ER40) | 514 |
| PSC 50 | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | 516 |
| PSC 63 | 1 - 13 | 60 | 34 | 16 - 80 | 428E (ER20) | 602 |
| PSC 63 | 1 - 13 | 100 | 34 | 16 - 80 | 428E (ER20) | 604 |
| PSC 63 | 1 - 16 | 60 | 42 | 24 - 104 | 430E (ER25) | 606 |
| PSC 63 | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | 608 |
| PSC 63 | 2 - 20 | 60 | 50 | 24 - 136 | 470E (ER32) | 610 |
| PSC 63 | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | 612 |
| PSC 63 | 3 - 26 | 65 | 63 | 176 | 472E (ER40) | 614 |
| PSC 63 | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | 616 |
| PSC 80 | 1 - 13 | 65 | 34 | 16 - 80 | 428E (ER20) | 802 |
| PSC 80 | 1 - 13 | 100 | 34 | 16 - 80 | 428E (ER20) | 804 |
| PSC 80 | 1 - 16 | 70 | 42 | 24 - 104 | 430E (ER25) | 806 |
| PSC 80 | 1 - 16 | 100 | 42 | 24 - 104 | 430E (ER25) | 808 |
| PSC 80 | 2 - 20 | 70 | 50 | 24 - 136 | 470E (ER32) | 810 |
| PSC 80 | 2 - 20 | 100 | 50 | 24 - 136 | 470E (ER32) | 812 |
| PSC 80 | 3 - 26 | 80 | 63 | 176 | 472E (ER40) | 814 |
| PSC 80 | 3 - 26 | 100 | 63 | 176 | 472E (ER40) | 816 |



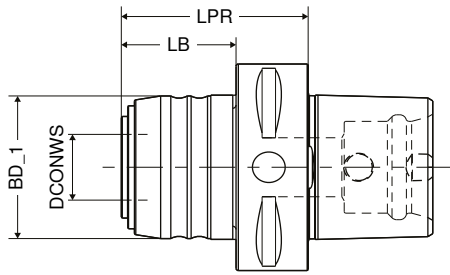
| Spare parts | Article no. 62 950 ... | Article no. 83 950 ... | Article no. 62 950 ... |
|-------------|---------------------------|---------------------------|---------------------------|
| for collet | | | |
| 428E (ER20) | M25x1,5 - SW30 | 045 | |
| 430E (ER25) | | M32x1,5 | 055 |
| 470E (ER32) | | M40x1,5 | 056 |
| 472E (ER40) | | M50x1,5 | 057 |

Accessories



Synchronised quick change tap chuck with minimal length compensation

- ▲ Length compensation under tension and compression (LZD)
- ▲ For collet types DIN 6499
- ▲ $p_{max} = 50$ bar



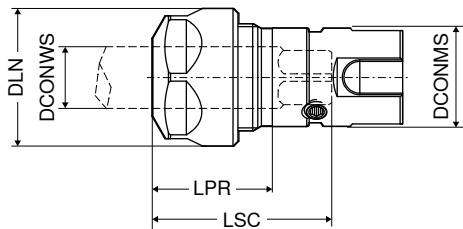
AD

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LB | LZD± | Article no. |
|---------|---------------|------|-----|------|--------|----|-----------|-------------|
| | | | | | | | | |
| PSC 63 | M3 - M12 | 1 | 57 | 43 | 20 | 35 | 1,0 / 0,2 | 84 140 ... |
| PSC 63 | M6 - M20 | 2 | 77 | 60 | 32 | 55 | 1,0 / 0,2 | 612 620 |

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:

Includes lock nut



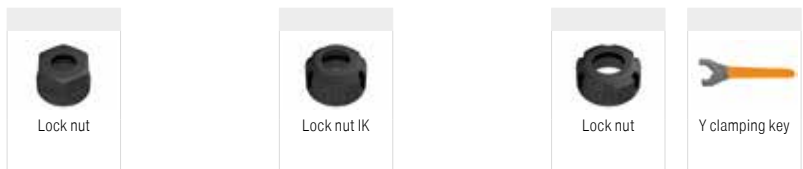
AD

| SZID | DCONWS | cutting range | LPR | DLN | LSC | for collet | DCONMS | Article no. |
|------|--------|---------------|-----|-----|-----|-------------|--------|-------------|
| | | | | | | | | |
| 1 | 2 - 10 | M3 - M12 | 24 | 28 | 42 | 426E (ER16) | 20 | 83 608 ... |
| 2 | 2 - 16 | M6 - M20 | 28 | 42 | 59 | 430E (ER25) | 32 | 012 020 |

Spare parts

for Article no.

| | Article no. | Article no. | Article no. | Article no. |
|------------|----------------|--------------------|-------------|-------------|
| 83 608 012 | 62 950 ... | 83 950 ... | 62 950 ... | 83 357 ... |
| 83 608 020 | M22x1,5 - SW25 | M22x1,5 M32x1,5 | M32x1,5 | |
| | 044 | 054 055 | 055 | 116 125 |



Accessories

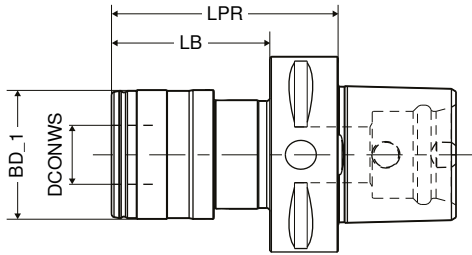


ER collet

→ 212, 214-215

Quick change tap chuck with length compensation

▲ Length compensation under tension and compression (LZD)



A

| Adapter | cutting range | SZID | LPR | BD_1 | DCONWS | LB | LZD± | Article no. 84 142 ... |
|---------|---------------|------|-----|------|--------|----|------|---------------------------|
| | | | mm | mm | | | | |
| PSC 63 | M3 - M12 | 01 | 73 | 41 | 19 | 51 | 7,5 | 612 |
| PSC 63 | M6 - M20 | 02 | 97 | 60 | 31 | 75 | 10 | 620 |

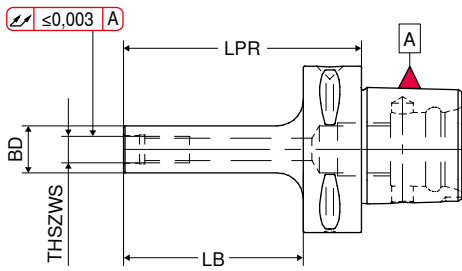
Accessories



Collet

→ 219-223

Adapter for screw-in milling cutter



AD
G 2,5 n_{max} 20000

| Adapter | THSZWS | LPR | BD | LB | Article no. 84 110 ... |
|---------|--------|-----|----|----|---------------------------|
| | | mm | mm | mm | |
| PSC 32 | M8 | 60 | 13 | 45 | 302 |
| PSC 32 | M10 | 70 | 18 | 55 | 306 |
| PSC 40 | M8 | 70 | 13 | 50 | 402 |
| PSC 40 | M10 | 80 | 18 | 60 | 405 |
| PSC 40 | M12 | 80 | 21 | 60 | 408 |
| PSC 50 | M8 | 70 | 13 | 50 | 502 |
| PSC 50 | M10 | 80 | 18 | 60 | 505 |
| PSC 50 | M12 | 80 | 21 | 60 | 508 |
| PSC 50 | M16 | 80 | 29 | 60 | 512 |
| PSC 63 | M8 | 70 | 13 | 48 | 602 |
| PSC 63 | M10 | 90 | 18 | 68 | 605 |
| PSC 63 | M12 | 100 | 21 | 78 | 608 |
| PSC 63 | M16 | 100 | 29 | 78 | 612 |

Accessories



Coolant transfer pipe

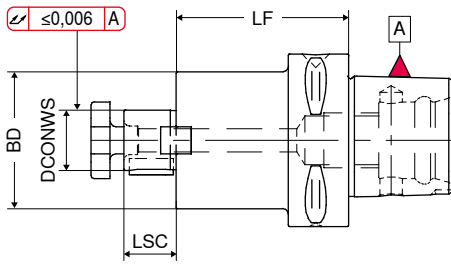
→ 173

Shell mill adapters

▲ For cutters with longitudinal or transverse groove

Scope of supply:

Holder with clamping screw and drive key



A

G 6,3 n_{max} 15000

| Adapter | DCONWS | LF | BD | LSC | Article no. 84 122 ... |
|---------|--------|----|----|-----|---------------------------|
| | | | | | |
| PSC 40 | 16 | 28 | 40 | 17 | 401 |
| PSC 40 | 16 | 63 | 40 | 17 | 402 |
| PSC 40 | 22 | 40 | 50 | 19 | 411 |
| PSC 40 | 22 | 63 | 50 | 19 | 412 |
| PSC 50 | 16 | 28 | 40 | 17 | 501 |
| PSC 50 | 16 | 63 | 40 | 17 | 502 |
| PSC 50 | 22 | 28 | 50 | 19 | 511 |
| PSC 50 | 22 | 63 | 50 | 19 | 512 |
| PSC 50 | 27 | 32 | 50 | 21 | 521 |
| PSC 50 | 27 | 63 | 50 | 21 | 522 |
| PSC 50 | 32 | 40 | 63 | 24 | 531 |
| PSC 50 | 32 | 63 | 63 | 24 | 532 |
| PSC 63 | 16 | 63 | 40 | 17 | 602 |
| PSC 63 | 22 | 28 | 63 | 19 | 611 |
| PSC 63 | 22 | 63 | 50 | 19 | 612 |
| PSC 63 | 27 | 28 | 58 | 21 | 621 |
| PSC 63 | 27 | 63 | 58 | 21 | 622 |
| PSC 63 | 32 | 22 | 63 | 24 | 631 |
| PSC 63 | 32 | 86 | 63 | 24 | 632 |
| PSC 63 | 40 | 40 | 70 | 27 | 641 |
| PSC 80 | 16 | 63 | 40 | 17 | 802 |
| PSC 80 | 22 | 30 | 50 | 19 | 811 |
| PSC 80 | 22 | 63 | 50 | 19 | 812 |
| PSC 80 | 27 | 30 | 58 | 21 | 821 |
| PSC 80 | 27 | 63 | 58 | 21 | 822 |
| PSC 80 | 32 | 30 | 63 | 24 | 831 |
| PSC 80 | 32 | 86 | 63 | 24 | 832 |
| PSC 80 | 40 | 40 | 70 | 27 | 841 |

Spare parts

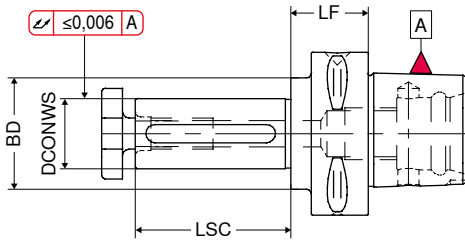
| DCONWS | Drive key Article no. 84 950 ... | Drive dog Article no. 84 950 ... | Cross nut key Article no. 83 368 ... | Retaining screw Article no. 83 367 ... | Clamping screw Article no. 83 950 ... | | |
|--------|--|--|--|--|---|--------|-----|
| 16 | 108 | 113 | 116 | M8 | 016 | M8x25 | 113 |
| 22 | 109 | 114 | 122 | M10 | 022 | M10x25 | 124 |
| 27 | 110 | 115 | 127 | M12 | 027 | M12x30 | 125 |
| 32 | 111 | 116 | 132 | M16 | 032 | M16x35 | 126 |
| 40 | 112 | 117 | 140 | M20 | 040 | M20x40 | 112 |

Milling arbor

- ▲ For cutters with long drive slot
- ▲ Runout ≤ 0.005 mm

Scope of supply:

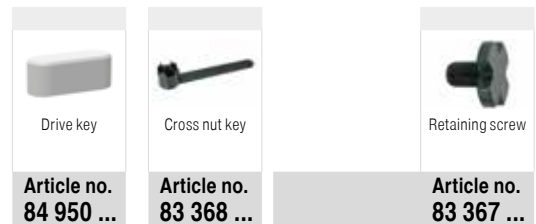
Holder with clamping screw and drive key



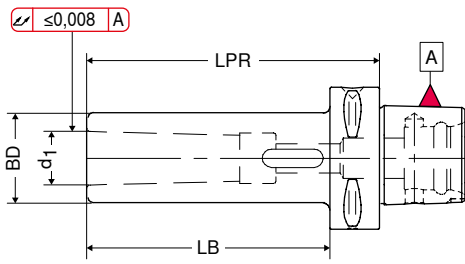
| Adapter | DCONWS | LF | BD | LSC | Article no. |
|---------------|--------|----|----|-----|-------------|
| | | | | | 84 124 ... |
| | mm | mm | mm | mm | |
| PSC 32 | 16 | 20 | 28 | 30 | 316 |
| PSC 40 | 16 | 25 | 28 | 30 | 416 |
| PSC 40 | 22 | 25 | 36 | 40 | 422 |
| PSC 40 | 27 | 25 | 40 | 60 | 427 |
| PSC 50 | 16 | 25 | 28 | 30 | 516 |
| PSC 50 | 22 | 25 | 36 | 40 | 522 |
| PSC 50 | 27 | 25 | 43 | 60 | 527 |
| PSC 50 | 32 | 25 | 50 | 60 | 532 |
| PSC 63 | 16 | 30 | 28 | 30 | 616 |
| PSC 63 | 22 | 30 | 36 | 40 | 622 |
| PSC 63 | 27 | 30 | 43 | 60 | 627 |
| PSC 63 | 32 | 25 | 48 | 60 | 632 |
| PSC 63 | 40 | 25 | 56 | 60 | 640 |
| PSC 80 | 16 | 40 | 28 | 30 | 816 |
| PSC 80 | 22 | 40 | 36 | 40 | 822 |
| PSC 80 | 27 | 30 | 43 | 60 | 827 |
| PSC 80 | 32 | 30 | 48 | 60 | 832 |
| PSC 80 | 40 | 30 | 56 | 60 | 840 |
| PSC 80 | 50 | 30 | 70 | 60 | 850 |
| PSC 80 | 60 | 30 | 60 | 60 | 860 |

Spare parts

| DCONWS | Article no. 84 950 ... | Article no. 83 368 ... | Article no. 83 367 ... |
|--------|---------------------------|---------------------------|---------------------------|
| 16 | 101 | 116 | M8 016 |
| 22 | 102 | 122 | M10 022 |
| 27 | 103 | 127 | M12 027 |
| 32 | 104 | 132 | M16 032 |
| 40 | 105 | 140 | M20 040 |
| 50 | 106 | 150 | M24 050 |
| 60 | 107 | | |



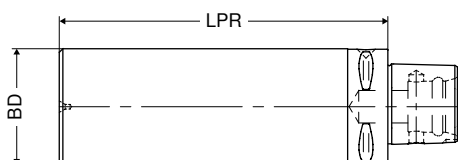
Taper sleeve DIN6383 for DIN 228-2D Morse taper shanks



| Adapter | d ₁ | LPR | BD | LB | Article no. |
|---------|----------------|-----|----|-----|-------------|
| | | | | | 84 126 ... |
| | | mm | mm | mm | |
| PSC 40 | MK2 | 110 | 32 | 90 | 402 |
| PSC 40 | MK3 | 130 | 40 | 119 | 403 |
| PSC 50 | MK2 | 110 | 32 | 90 | 502 |
| PSC 50 | MK3 | 130 | 40 | 110 | 503 |
| PSC 50 | MK4 | 150 | 48 | 132 | 504 |
| PSC 63 | MK2 | 110 | 32 | 88 | 602 |
| PSC 63 | MK3 | 130 | 40 | 108 | 603 |
| PSC 63 | MK4 | 150 | 48 | 128 | 604 |
| PSC 80 | MK2 | 120 | 32 | 90 | 802 |
| PSC 80 | MK3 | 140 | 40 | 110 | 803 |
| PSC 80 | MK4 | 160 | 48 | 130 | 804 |

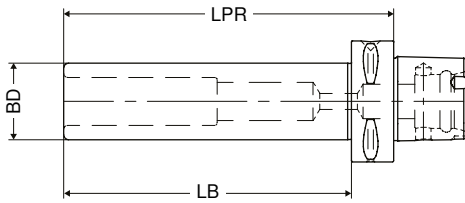
Blank

- ▲ Material: 25CrMoV4
- ▲ For production of special tools
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



| Adapter | LPR | BD | Article no. 84 134 ... |
|---------|-----|-----|---------------------------|
| | mm | mm | |
| PSC 40 | 95 | 40 | 402 |
| PSC 40 | 120 | 40 | 403 |
| PSC 40 | 165 | 60 | 404 |
| PSC 40 | 75 | 80 | 405 |
| PSC 40 | 120 | 80 | 406 |
| PSC 40 | 85 | 100 | 408 |
| PSC 50 | 125 | 50 | 502 |
| PSC 50 | 150 | 50 | 503 |
| PSC 50 | 175 | 75 | 504 |
| PSC 50 | 80 | 90 | 506 |
| PSC 50 | 150 | 95 | 508 |
| PSC 50 | 90 | 110 | 510 |
| PSC 63 | 180 | 63 | 602 |
| PSC 63 | 195 | 75 | 604 |
| PSC 63 | 85 | 110 | 606 |
| PSC 63 | 180 | 120 | 608 |
| PSC 63 | 95 | 130 | 610 |
| PSC 80 | 200 | 80 | 802 |
| PSC 80 | 160 | 120 | 804 |
| PSC 80 | 90 | 130 | 806 |
| PSC 80 | 200 | 145 | 808 |

Test bar



| Adapter | LPR | BD | LB | Article no. 84 136 ... |
|---------|-----|----|-----|---------------------------|
| | mm | mm | mm | |
| PSC 32 | 175 | 25 | 160 | 030 |
| PSC 40 | 180 | 25 | 160 | 040 |
| PSC 50 | 235 | 32 | 215 | 050 |
| PSC 63 | 322 | 40 | 300 | 060 |
| PSC 80 | 330 | 40 | 300 | 080 |

Coolant pipe

Scope of supply:

Complete, including seals



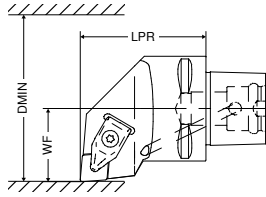
| Size | G | Article no. 84 116 ... |
|--------|-----------|---------------------------|
| PSC 40 | M14 x 1,5 | 04000 |
| PSC 50 | M16 x 1,5 | 05000 |
| PSC 63 | M20 x 1,5 | 06300 |
| PSC 80 | M20 x 1,5 | 08000 |

Key



| Size | Article no. 84 117 ... |
|--------|---------------------------|
| PSC 40 | 04000 |
| PSC 50 | 05000 |
| PSC 63 | 06300 |
| PSC 80 | 08000 |

Toolholder DCLN 95°/80°



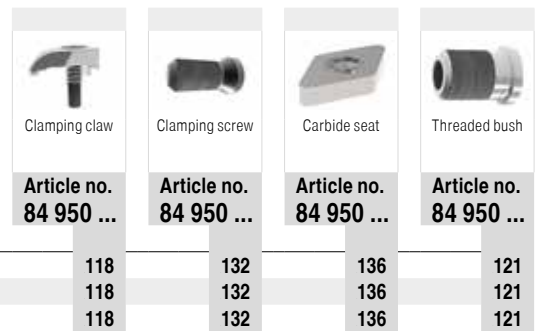
Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|------|-----------|---------------------------|---------------------------|
| | | | | | | Article no. 84 151 ... | Article no. 84 150 ... |
| PSC40 DCLN R/L 27050-12 | PSC 40 | 27 | 50 | 75 | CN.. 1204 | 400 | 400 |
| PSC50 DCLN R/L 35060-12 | PSC 50 | 35 | 60 | 95 | CN.. 1204 | 500 | 500 |
| PSC63 DCLN R/L 45065-12 | PSC 63 | 45 | 65 | 110 | CN.. 1204 | 600 | 600 |

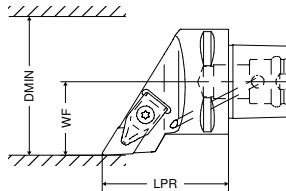
Spare parts

Adapter

| Adapter | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
|---------|---------------------------|---------------------------|---------------------------|---------------------------|
| PSC 40 | 118 | 132 | 136 | 121 |
| PSC 50 | 118 | 132 | 136 | 121 |
| PSC 63 | 118 | 132 | 136 | 121 |



Toolholder – DDJN 93°/55°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|------|-----------|---------------------------|---------------------------|
| | | | | | | Article no. 84 153 ... | Article no. 84 152 ... |
| PSC40 DDJN R/L 27055-15 | PSC 40 | 27 | 55 | 85 | DN.. 1506 | 400 | 400 |
| PSC50 DDJN R/L 35060-15 | PSC 50 | 35 | 60 | 95 | DN.. 1506 | 500 | 500 |
| PSC63 DDJN R/L 45065-15 | PSC 63 | 45 | 65 | 110 | DN.. 1506 | 600 | 600 |

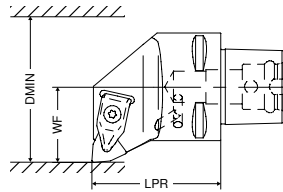
Spare parts

Adapter

| Adapter | Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
|---------|---------------------------|---------------------------|---------------------------|
| PSC 40 | 118 | 132 | 137 |
| PSC 50 | 118 | 132 | 137 |
| PSC 63 | 118 | 132 | 137 |



Toolholder – DWLN 95°/80°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|------|-----------|---------------------------|---------------------------|
| | | | | | | Article no. 84 155 ... | Article no. 84 154 ... |
| PSC40 DWLN R/L 27050-08 | PSC 40 | 27 | 50 | 75 | WN.. 0804 | 400 | 400 |
| PSC50 DWLN R/L 35060-08 | PSC 50 | 35 | 60 | 95 | WN.. 0804 | 500 | 500 |
| PSC63 DWLN R/L 45065-08 | PSC 63 | 45 | 65 | 110 | WN.. 0804 | 600 | 600 |

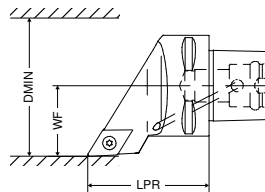
Spare parts

Adapter

| | | | |
|--------|-----|-----|-----|
| PSC 40 | 118 | 133 | 138 |
| PSC 50 | 118 | 133 | 138 |
| PSC 63 | 118 | 133 | 138 |

| Clamping claw | Clamping screw | Carbide seat |
|---------------------------|---------------------------|---------------------------|
| Article no. 84 950 ... | Article no. 84 950 ... | Article no. 84 950 ... |
| 118 | 133 | 138 |
| 118 | 133 | 138 |
| 118 | 133 | 138 |

Toolholder – SDJC 93°/55°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|------|-----------|---------------------------|---------------------------|
| | | | | | | Article no. 84 157 ... | Article no. 84 156 ... |
| PSC40 SDJC R/L 27050-11 | PSC 40 | 27 | 50 | 80 | DC.. 11T3 | 400 | 400 |
| PSC50 SDJC R/L 35060-11 | PSC 50 | 35 | 60 | 95 | DC.. 11T3 | 500 | 500 |
| PSC63 SDJC R/L 45065-11 | PSC 63 | 45 | 65 | 110 | DC.. 11T3 | 600 | 600 |

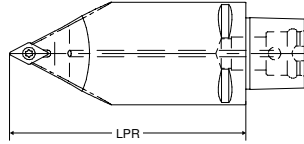
Spare parts

Adapter



| | | |
|--------|-----|-----|
| PSC 40 | 134 | 139 |
| PSC 50 | 134 | 139 |
| PSC 63 | 134 | 139 |

| Clamping screw | Carbide seat |
|---------------------------|---------------------------|
| Article no. 84 950 ... | Article no. 84 950 ... |
| 134 | 139 |
| 134 | 139 |
| 134 | 139 |

Toolholder – SDNC 62,5°/55°



| ISO designation | Adapter | LPR | Insert | Neutral | |
|-----------------------|---------|--------|-----------|-------------|------------|
| | | | | Article no. | 84 158 ... |
| PSC40 SDNC N 00115-11 | PSC 40 | 115 mm | DC.. 11T3 | | 400 |
| PSC50 SDNC N 00115-11 | PSC 50 | 115 | DC.. 11T3 | | 500 |
| PSC63 SDNC N 00115-11 | PSC 63 | 115 | DC.. 11T3 | | 600 |

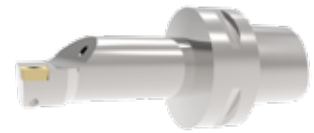
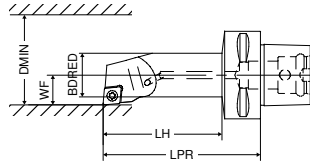
| | |
|---|---|
|  |  |
| Clamping screw | Carbide seat |
| Article no. 84 950 ... | Article no. 84 950 ... |
| 134 | 139 |
| 134 | 139 |
| 134 | 139 |

Spare parts

Adapter

- PSC 40
- PSC 50
- PSC 63

Boring bar SCLC 95°/80°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | BDRED | LH | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 84 171 ... | Article no. 84 170 ... |
| PSC40 SCLC R/L 13080-09 | PSC 40 | 13 | 80 | 20 | 57 | 25 | CC.. 09T3 | 400 | 400 |
| PSC50 SCLC R/L 17090-09 | PSC 50 | 17 | 90 | 25 | 68 | 32 | CC.. 09T3 | 500 | 500 |



Clamping screw

Article no.
84 950 ...

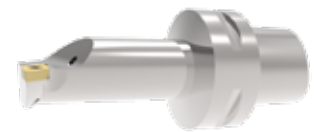
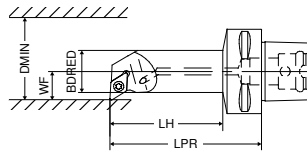
Spare parts

Adapter

PSC 40
PSC 50

152
152

Boring bar SDUC 93°/55°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | BDRED | LH | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|-------|----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 84 173 ... | Article no. 84 172 ... |
| PSC40 SDUC R/L 13080-11 | PSC 40 | 13 | 80 | 20 | 57 | 25 | DC.. 11T3 | 400 | 400 |
| PSC50 SDUC R/L 17090-11 | PSC 50 | 17 | 90 | 25 | 67 | 32 | DC.. 11T3 | 500 | 500 |
| PSC50 SDUC R/L 22110-11 | PSC 50 | 22 | 110 | 32 | 67 | 40 | DC.. 11T3 | 501 | 501 |



Clamping screw



Carbide seat

Article no.
84 950 ...

Article no.
84 950 ...

Spare parts

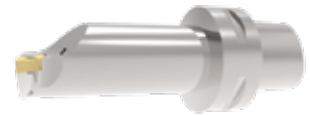
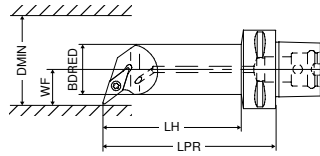
Adapter

PSC 40
PSC 50

134
134

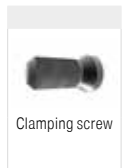
139
139

Boring bar SVQC 107,5°/35°



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | BDRED | LH | DMIN | Insert | Left-hand | Right-hand |
|-------------------------|---------|----|-----|-------|-----|------|-----------|---------------------------|---------------------------|
| | | | | | | | | Article no. 84 175 ... | Article no. 84 174 ... |
| PSC40 SVQC R/L 18090-16 | PSC 40 | 18 | 90 | 25 | 68 | 32 | VC.. 1604 | 400 | 400 |
| PSC50 SVQC R/L 22110-16 | PSC 50 | 22 | 110 | 32 | 88 | 40 | VC.. 1604 | 500 | 500 |
| PSC63 SVQC R/L 22120-16 | PSC 63 | 22 | 120 | 32 | 94 | 40 | VC.. 1604 | 600 | 600 |
| PSC63 SVQC R/L 27145-16 | PSC 63 | 27 | 145 | 40 | 120 | 50 | VC.. 1604 | 601 | 601 |



Clamping screw

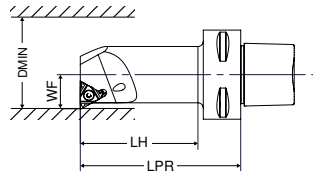
Article no.
84 950 ...

Spare parts

Adapter

| | |
|--------|-----|
| PSC 40 | 132 |
| PSC 50 | 132 |
| PSC 63 | 132 |

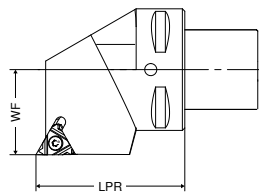
Internal threading holder



Illustrations show right-hand versions

| ISO designation | Adapter | WF | LPR | LH | DMIN | Left-hand | Right-hand |
|--------------------------|---------|----|-----|----|------|---------------------------|---------------------------|
| | | | | | | Article no. 84 197 ... | Article no. 84 196 ... |
| PSC40 SI R/L 12060-16.IK | PSC 40 | 12 | 60 | 37 | 20 | 410 | 410 |
| PSC40 SI R/L 14060-16.IK | PSC 40 | 14 | 60 | 38 | 25 | 412 | 412 |
| PSC40 SI R/L 17070-16.IK | PSC 40 | 17 | 70 | 48 | 32 | 414 | 414 |
| PSC40 SI R/L 22090-16.IK | PSC 40 | 22 | 90 | 69 | 40 | 416 | 416 |
| PSC40 SI R/L 27080-16.IK | PSC 40 | 27 | 80 | 60 | 50 | 418 | 418 |
| PSC40 SI R/L 15065-22.IK | PSC 40 | 15 | 65 | 42 | 25 | 420 | 420 |
| PSC40 SI R/L 19070-22.IK | PSC 40 | 19 | 70 | 48 | 32 | 422 | 422 |
| PSC40 SI R/L 22090-22.IK | PSC 40 | 22 | 90 | 69 | 40 | 424 | 424 |
| PSC40 SI R/L 27080-22.IK | PSC 40 | 27 | 80 | 60 | 50 | 426 | 426 |
| PSC50 SI R/L 12060-16.IK | PSC 50 | 12 | 60 | 35 | 20 | 510 | 510 |
| PSC50 SI R/L 14060-16.IK | PSC 50 | 14 | 60 | 36 | 25 | 512 | 512 |
| PSC50 SI R/L 17070-16.IK | PSC 50 | 17 | 70 | 47 | 32 | 514 | 514 |
| PSC50 SI R/L 22090-16.IK | PSC 50 | 22 | 90 | 68 | 40 | 516 | 516 |
| PSC50 SI R/L 27105-16.IK | PSC 50 | 27 | 105 | 84 | 50 | 518 | 518 |
| PSC50 SI R/L 15065-22.IK | PSC 50 | 15 | 65 | 41 | 25 | 520 | 520 |
| PSC50 SI R/L 19070-22.IK | PSC 50 | 19 | 70 | 47 | 32 | 522 | 522 |
| PSC50 SI R/L 22090-22.IK | PSC 50 | 22 | 90 | 68 | 40 | 524 | 524 |
| PSC50 SI R/L 27105-22.IK | PSC 50 | 27 | 105 | 84 | 50 | 526 | 526 |
| PSC63 SI R/L 14070-16.IK | PSC 63 | 14 | 70 | 42 | 25 | 610 | 610 |
| PSC63 SI R/L 17075-16.IK | PSC 63 | 17 | 75 | 48 | 32 | 612 | 612 |
| PSC63 SI R/L 22090-16.IK | PSC 63 | 22 | 90 | 64 | 40 | 614 | 614 |
| PSC63 SI R/L 27105-16.IK | PSC 63 | 27 | 105 | 80 | 50 | 616 | 616 |
| PSC63 SI R/L 19075-22.IK | PSC 63 | 19 | 75 | 48 | 32 | 620 | 620 |
| PSC63 SI R/L 22090-22.IK | PSC 63 | 22 | 90 | 64 | 40 | 622 | 622 |
| PSC63 SI R/L 27105-22.IK | PSC 63 | 27 | 105 | 80 | 50 | 624 | 624 |

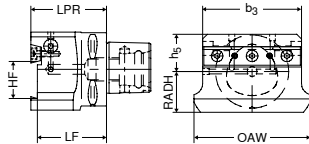
External threading holder



Illustrations show right-hand versions

| ISO designation | Adapter | LPR | WF | Left-hand | Right-hand |
|--------------------------|---------|-----|----|---------------------------|---------------------------|
| | | | | Article no. 84 191 ... | Article no. 84 190 ... |
| PSC40 SE R/L 27050-16.IK | PSC 40 | 50 | 27 | 412 | 412 |
| PSC40 SE R/L 27050-22.IK | PSC 40 | 50 | 27 | 422 | 422 |
| PSC50 SE R/L 35060-16.IK | PSC 50 | 60 | 35 | 512 | 512 |
| PSC50 SE R/L 35060-22.IK | PSC 50 | 60 | 35 | 522 | 522 |
| PSC63 SE R/L 45065-16.IK | PSC 63 | 65 | 45 | 612 | 612 |
| PSC63 SE R/L 45065-22.IK | PSC 63 | 65 | 45 | 622 | 622 |
| PSC80 SE R/L 55080-22.IK | PSC 80 | 80 | 55 | 822 | 822 |

Radial parting blade holder, right / left



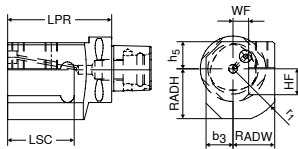
Neutral

| Adapter | HF | LPR | OAW | b ₃ | h ₅ | RADH | LF |
|---------|----|-----|-----|----------------|----------------|------|----|
| | mm | mm | mm | mm | mm | mm | mm |
| PSC 63 | 26 | 65 | 91 | 75 | 30 | 30 | 60 |
| PSC 63 | 32 | 65 | 100 | 85 | 32 | 35 | 88 |

Article no.
84 132 ...

626
632

Square section adapter, single face



Illustrations show right-hand versions

| Adapter | HF | LPR | b ₃ | RADW | r ₁ | WF | h ₅ | RADH | LSC |
|---------|----|-----|----------------|------|----------------|----|----------------|------|-----|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PSC 50 | 20 | 80 | 26 | 35 | 45 | 15 | 26 | 43 | 53 |
| PSC 50 | 25 | 90 | 26 | 40 | 51 | 15 | 26 | 48 | 64 |
| PSC 50 | 32 | 115 | 26 | 47 | 61 | 15 | 26 | 55 | 90 |
| PSC 63 | 20 | 90 | 26 | 35 | 45 | 15 | 26 | 43 | 53 |
| PSC 63 | 25 | 100 | 26 | 40 | 51 | 15 | 26 | 48 | 64 |
| PSC 63 | 32 | 125 | 26 | 47 | 61 | 15 | 26 | 55 | 90 |
| PSC 80 | 20 | 90 | 26 | 35 | 45 | 15 | 26 | 43 | 53 |
| PSC 80 | 25 | 100 | 26 | 40 | 51 | 15 | 26 | 48 | 64 |
| PSC 80 | 32 | 125 | 26 | 47 | 61 | 15 | 26 | 55 | 90 |

Left-hand

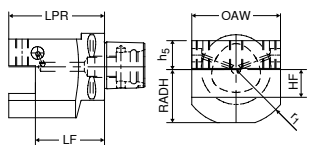
Right-hand

Article no.
84 611 ...

Article no.
84 610 ...

| | |
|-----|-----|
| 520 | 520 |
| 525 | 525 |
| 532 | 532 |
| 620 | 620 |
| 625 | 625 |
| 632 | 632 |
| 820 | 820 |
| 825 | 825 |
| 832 | 832 |

Square section adapter



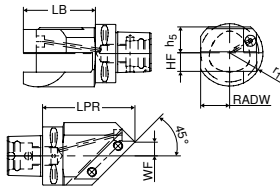
Neutral

| Adapter | HF | LPR | OAW | r ₁ | RADH | h ₅ | LF |
|---------|----|-----|-----|----------------|------|----------------|----|
| | mm | mm | mm | mm | mm | mm | mm |
| PSC 50 | 20 | 70 | 70 | 45 | 69 | 43 | 50 |
| PSC 50 | 25 | 80 | 80 | 51 | 74 | 48 | 55 |
| PSC 50 | 32 | 90 | 90 | 61 | 81 | 55 | 58 |
| PSC 63 | 20 | 80 | 70 | 45 | 69 | 43 | 60 |
| PSC 63 | 25 | 90 | 80 | 51 | 74 | 48 | 65 |
| PSC 63 | 32 | 100 | 90 | 61 | 81 | 55 | 68 |
| PSC 80 | 20 | 80 | 70 | 45 | 69 | 43 | 60 |
| PSC 80 | 25 | 90 | 80 | 51 | 74 | 48 | 65 |
| PSC 80 | 32 | 100 | 90 | 61 | 81 | 55 | 68 |

Article no.
84 602 ...

520
525
532
620
625
632
820
825
832

Square section adapter 45°



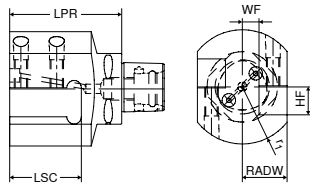
Illustrations show right-hand versions

| Adapter | HF | LPR | RADW | r_1 | WF | h_5 | LB |
|---------|----|-----|------|-------|----|-------|-----|
| | mm | mm | mm | mm | mm | mm | mm |
| PSC 50 | 20 | 100 | 31 | 36 | 15 | 26 | 80 |
| PSC 63 | 20 | 100 | 32 | 36 | 15 | 28 | 78 |
| PSC 80 | 32 | 135 | 45 | 70 | 17 | 40 | 105 |



| Left-hand | Right-hand |
|---------------------------|---------------------------|
| Article no. 84 605 ... | Article no. 84 604 ... |
| 520 | 520 |
| 620 | 620 |
| 832 | 832 |

Square section adapter, double face



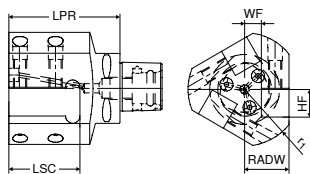
Illustrations show right-hand versions

| Adapter | HF | LPR | RADW | r_1 | WF | LSC |
|---------|----|-----|------|-------|----|-----|
| | mm | mm | mm | mm | mm | mm |
| PSC 50 | 20 | 80 | 35 | 45 | 15 | 53 |
| PSC 50 | 25 | 90 | 40 | 51 | 15 | 64 |
| PSC 50 | 32 | 115 | 47 | 61 | 15 | 90 |
| PSC 63 | 20 | 90 | 35 | 45 | 15 | 53 |
| PSC 63 | 25 | 100 | 40 | 51 | 15 | 64 |
| PSC 63 | 32 | 125 | 47 | 61 | 15 | 90 |
| PSC 80 | 20 | 90 | 35 | 45 | 15 | 53 |
| PSC 80 | 25 | 100 | 40 | 51 | 15 | 64 |
| PSC 80 | 32 | 125 | 47 | 61 | 15 | 90 |



| Left-hand | Right-hand |
|---------------------------|---------------------------|
| Article no. 84 613 ... | Article no. 84 612 ... |
| 520 | 520 |
| 525 | 525 |
| 532 | 532 |
| 620 | 620 |
| 625 | 625 |
| 632 | 632 |
| 820 | 820 |
| 825 | 825 |
| 832 | 832 |

Square section adapter, triple face



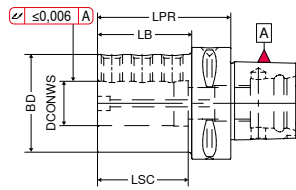
Illustrations show right-hand versions

| Adapter | HF | LPR | RADW | r_1 | WF | LSC |
|---------|----|-----|------|-------|----|-----|
| | mm | mm | mm | mm | mm | mm |
| PSC 50 | 20 | 80 | 35 | 45 | 15 | 53 |
| PSC 50 | 25 | 90 | 40 | 51 | 15 | 64 |
| PSC 50 | 32 | 115 | 47 | 61 | 15 | 90 |
| PSC 63 | 20 | 90 | 35 | 45 | 15 | 53 |
| PSC 63 | 25 | 100 | 40 | 51 | 15 | 64 |
| PSC 63 | 32 | 125 | 47 | 61 | 15 | 90 |
| PSC 80 | 20 | 90 | 35 | 45 | 15 | 53 |
| PSC 80 | 25 | 100 | 40 | 51 | 15 | 64 |
| PSC 80 | 32 | 125 | 47 | 61 | 15 | 90 |



| Left-hand | Right-hand |
|---------------------------|---------------------------|
| Article no. 84 615 ... | Article no. 84 614 ... |
| 520 | 520 |
| 525 | 525 |
| 532 | 532 |
| 620 | 620 |
| 625 | 625 |
| 632 | 632 |
| 820 | 820 |
| 825 | 825 |
| 832 | 832 |

Boring bar holder



| Adapter | DCONWS | LPR | BD | LB | LSC | Article no. 84 130 ... |
|---------|--------|-----|----|----|-----|---------------------------|
| | mm | mm | mm | mm | mm | |
| PSC 50 | 6 | 70 | 40 | 50 | 40 | 506 |
| PSC 50 | 8 | 70 | 44 | 50 | 40 | 508 |
| PSC 50 | 10 | 70 | 44 | 50 | 45 | 510 |
| PSC 50 | 12 | 70 | 44 | 50 | 45 | 512 |
| PSC 50 | 16 | 75 | 44 | 55 | 45 | 516 |
| PSC 50 | 20 | 75 | 50 | 75 | 51 | 520 |
| PSC 50 | 25 | 80 | 55 | 50 | 51 | 525 |
| PSC 50 | 32 | 90 | 72 | 70 | 60 | 532 |
| | | | | | | |
| PSC 63 | 6 | 75 | 40 | 53 | 40 | 606 |
| PSC 63 | 8 | 75 | 44 | 53 | 40 | 608 |
| PSC 63 | 10 | 75 | 44 | 53 | 45 | 610 |
| PSC 63 | 12 | 75 | 44 | 53 | 45 | 612 |
| PSC 63 | 16 | 75 | 44 | 53 | 45 | 616 |
| PSC 63 | 20 | 75 | 50 | 53 | 51 | 620 |
| PSC 63 | 25 | 75 | 55 | 53 | 51 | 625 |
| PSC 63 | 32 | 75 | 72 | 52 | 60 | 632 |
| PSC 63 | 40 | 105 | 70 | 82 | 90 | 640 |

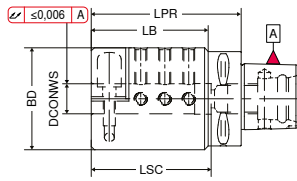


Grubscrew



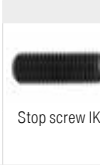
| Spare parts | | Article no. 84 950 ... |
|-------------|--------|---------------------------|
| DCONWS | | |
| 6 | M6x16 | 153 |
| 8 | M8x16 | 154 |
| 10 | M10x16 | 155 |
| 12-40 | M12x14 | 156 |

Boring bar adapter, split version

- ▲ Vibration-damped
- ▲ Ideally suited for large overhangs

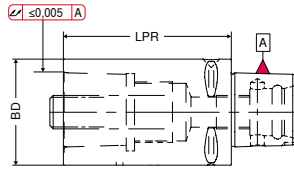


| Adapter | DCONWS | LPR | BD | LB | LSC | Article no. 84 131 ... |
|---------|--------|-----|----|----|-----|---------------------------|
| | mm | mm | mm | mm | mm | |
| PSC 63 | 6 | 80 | 40 | 58 | 60 | 606 |
| PSC 63 | 8 | 85 | 45 | 63 | 65 | 608 |
| PSC 63 | 10 | 85 | 50 | 63 | 65 | 610 |
| PSC 63 | 12 | 100 | 63 | 78 | 80 | 612 |
| PSC 63 | 16 | 100 | 63 | 78 | 80 | 616 |
| PSC 63 | 20 | 100 | 68 | 78 | 80 | 620 |
| PSC 63 | 25 | 100 | 68 | 78 | 80 | 625 |
| PSC 63 | 32 | 100 | 72 | 78 | 80 | 632 |

| Spare parts DCONWS |  Grubscrew Article no. 83 950 ... | |  Grubscrew Article no. 84 950 ... | |  Stop screw IK Article no. 81 950 ... | |
|-----------------------|---|-----|---|-----|---|-------|
| | 6 | | | | | M5x15 |
| 8 | M6x20 | 462 | | | | |
| 10 | | | M6x16 | 153 | | |
| 12-20 | M8x20 | 468 | | | | |
| 25 | M8x25 | 467 | | | | |
| 32 | M10x20 | 471 | | | | |

Extension, axial clamping

▲ Run out ≤ 0,002mm

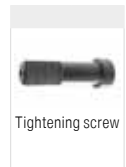


| Adapter | BD | LPR | Article no. |
|---------|----|-----|-------------|
| | mm | mm | 84 620 ... |
| PSC 32 | 32 | 60 | 301 |
| PSC 32 | 32 | 80 | 302 |
| PSC 40 | 40 | 60 | 401 |
| PSC 40 | 40 | 80 | 402 |
| PSC 50 | 50 | 80 | 501 |
| PSC 50 | 50 | 100 | 502 |
| PSC 63 | 63 | 100 | 601 |
| PSC 63 | 63 | 140 | 602 |
| PSC 80 | 80 | 100 | 801 |
| PSC 80 | 80 | 125 | 802 |

Spare parts

Adapter

| Adapter | Article no. | Article no. |
|---------|-------------|-------------|
| | 84 950 ... | 84 950 ... |
| PSC 32 | 127 | 122 |
| PSC 40 | 128 | 123 |
| PSC 50 | 129 | 124 |
| PSC 63 | 130 | 126 |
| PSC 80 | 130 | 126 |

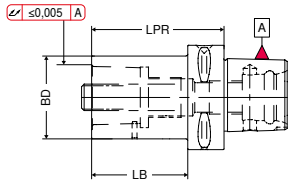


Accessories



Cylindrical reduction

▲ Run out ≤ 0,002mm



| Adapter | BD | LPR | LB | Article no. 84 624 ... |
|---------|----|-----|----|---------------------------|
| | mm | mm | mm | |
| PSC 40 | 32 | 55 | 35 | 403 |
| PSC 50 | 32 | 60 | 40 | 503 |
| PSC 50 | 40 | 65 | 45 | 504 |
| PSC 63 | 32 | 70 | 48 | 603 |
| PSC 63 | 40 | 80 | 58 | 604 |
| PSC 63 | 50 | 80 | 58 | 605 |
| PSC 80 | 32 | 60 | 30 | 803 |
| PSC 80 | 40 | 70 | 40 | 804 |
| PSC 80 | 50 | 80 | 50 | 805 |
| PSC 80 | 63 | 80 | 50 | 806 |
| PSC 80X | 63 | 80 | 48 | 816 |
| PSC 80X | 80 | 100 | 68 | 818 |



Threaded ring

Tightening screw

Spare parts

Adapter

| Adapter | Article no. 84 950 ... | Article no. 84 950 ... |
|---------|---------------------------|---------------------------|
| PSC 40 | 128 | 123 |
| PSC 50 | 129 | 124 |
| PSC 63 | 130 | 126 |
| PSC 80 | 130 | 126 |
| PSC 80X | 130 | 126 |

Accessories

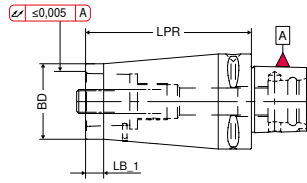


Hollow nose keys

→ 187

Tapered reduction

▲ Run out ≤ 0,002mm



| Adapter | BD | LPR | LB_1 | Article no. |
|---------|----|-----|------|-------------|
| | mm | mm | mm | 84 625 ... |
| PSC 40 | 32 | 70 | 12 | 403 |
| PSC 50 | 40 | 85 | 12 | 504 |
| PSC 63 | 50 | 110 | 12 | 605 |
| PSC 80 | 63 | 120 | 12 | 806 |
| PSC 80X | 80 | 150 | 12 | 818 |

Spare parts

Adapter

| | | | |
|---------|-----|------|-----|
| PSC 40 | 128 | SW8 | 123 |
| PSC 50 | 129 | SW10 | 124 |
| PSC 63 | 130 | SW14 | 126 |
| PSC 80 | 130 | SW14 | 126 |
| PSC 80X | 130 | SW14 | 126 |



Article no.
84 950 ...



Article no.
84 950 ...

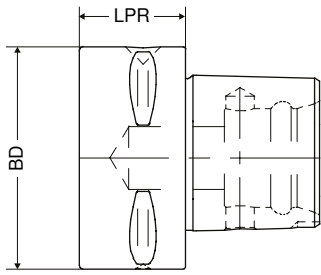
Accessories



Hollow nose keys

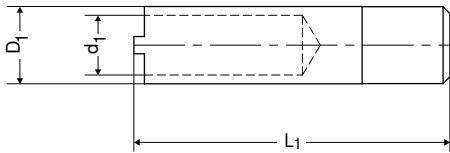
→ 187

Sealing plugs



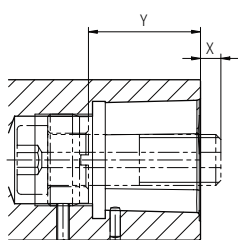
| Adapter | BD mm | LPR mm | Article no. 84 135 ... |
|---------|----------|-----------|---------------------------|
| PSC 40 | 40 | 28 | 040 |
| PSC 50 | 50 | 28 | 050 |
| PSC 63 | 63 | 30 | 060 |
| PSC 80 | 80 | 38 | 080 |

Hollow nose key for clamping screw for PSC extensions and reductions



| Adapter | D ₁ mm | L ₁ mm | d ₁ mm | Article no. 84 651 ... |
|---------------|----------------------|----------------------|----------------------|---------------------------|
| PSC 32 | 16 | 80 | 12,5 | 032 |
| PSC 40 | 20 | 80 | 15,0 | 040 |
| PSC 50 | 22 | 90 | 17,0 | 050 |
| PSC 63/80/80X | 34 | 110 | 21,0 | 063 |

Installation instructions: clamping screw for PSC extensions and reductions

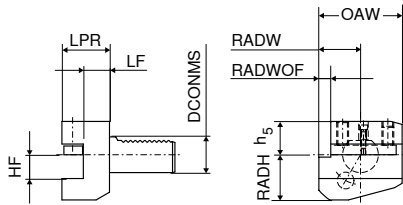


X = Screw leading edge
Y = Threaded ring insertion depth

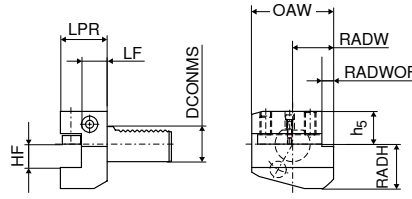
Threaded ring secured with threaded pin DIN 914.
Drilled threaded ring!

| Adapter | X mm | Y mm |
|---------|---------|---------|
| PSC 32 | 5 | 24 |
| PSC 40 | 5 | 29 |
| PSC 50 | 6 | 36 |
| PSC 63 | 8 | 44 |
| PSC 80 | 0 | 53 |
| PSC 80X | 0 | 53 |

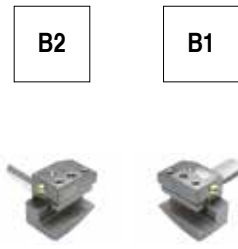
Radial tool holders, short



B2



B1



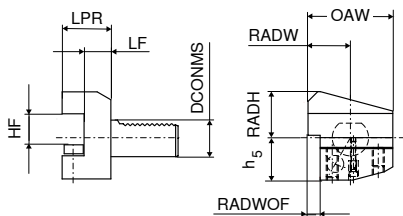
Left-hand

Right-hand

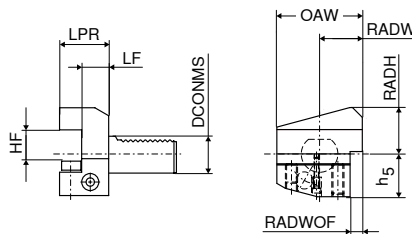
| DCONMS _{h6} | HF _{0/-0,1} | OAW | RADW | RADWOF | h ₅ | RADH | LF _{0/+0,5} | LPR | Article no. 82 189 ... | Article no. 82 185 ... |
|----------------------|----------------------|-----|------|--------|----------------|------|----------------------|-----|---------------------------|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| 16 | 12 | 42 | 23,0 | 5,0 | 20,0 | 22 | 13,0 | 24 | 160 | 160 |
| 16 | 12 | 42 | 23,0 | 5,0 | 20,0 | 22 | 23,0 | 34 | 161 | |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 200 | 200 |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 26,0 | 40 | 201 | 201 |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 18,0 | 30 | 202 ¹⁾ | 202 ¹⁾ |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 25,5 | 40 | 203 ¹⁾ | 203 ¹⁾ |
| 25 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 250 | 250 |
| 30 | 20 | 70 | 35,0 | 10,0 | 28,0 | 38 | 18,5 | 40 | 300 | 300 |
| 30 | 20 | 70 | 35,0 | 10,0 | 28,0 | 35 | 32,0 | 50 | 301 | 302 ¹⁾ |
| 30 | 20 | 70 | 35,0 | 10,0 | 28,0 | 38 | 42,0 | 60 | 301 | 301 |
| 40 | 25 | 85 | 42,5 | 12,5 | 32,5 | 48 | 18,5 | 44 | 400 | 400 |
| 50 | 32 | 100 | 50,0 | 16,0 | 35,0 | 60 | 30,0 | 55 | 500 | 500 |

1) Height adjustable +/- 1 mm

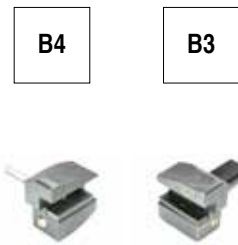
Radial tool holders, overhead, short



B4



B3



Left-hand

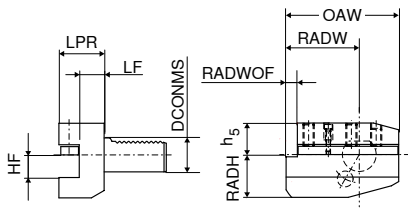
Right-hand

| DCONMS _{h6} | HF _{0/-0,1} | OAW | RADW | RADWOF | h ₅ | RADH | LF _{0/+0,5} | LPR | Article no. 82 196 ... | Article no. 82 193 ... |
|----------------------|----------------------|-----|------|--------|----------------|------|----------------------|-----|---------------------------|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| 16 | 12 | 42 | 23,0 | 5,0 | 20,0 | 22 | 13,0 | 24 | | 160 |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 200 | 200 |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 26,0 | 40 | 201 | 201 |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 18,5 | 30 | 202 ¹⁾ | 202 ¹⁾ |
| 20 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 26,0 | 40 | 203 ¹⁾ | 203 ¹⁾ |
| 25 | 16 | 55 | 30,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 250 | 250 |
| 30 | 20 | 70 | 35,0 | 10,0 | 35,0 | 38 | 42,0 | 60 | 301 | 301 |
| 30 | 20 | 70 | 35,0 | 10,0 | 35,0 | 38 | 18,5 | 40 | 300 | 300 |
| 40 | 25 | 85 | 42,5 | 12,5 | 42,5 | 48 | 18,5 | 44 | 400 | 400 |
| 50 | 32 | 100 | 50,0 | 16,0 | 50,0 | 60 | 30,0 | 55 | 500 | 500 |

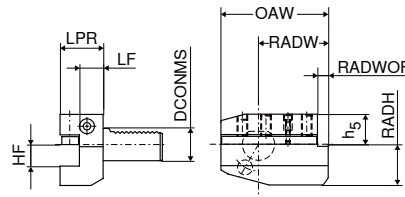
1) Height adjustable +/- 1 mm

i Spare parts can be found in → **Chapter 17, Accessories**

Radial tool holders, long



B6



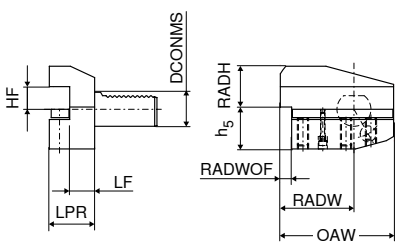
B5



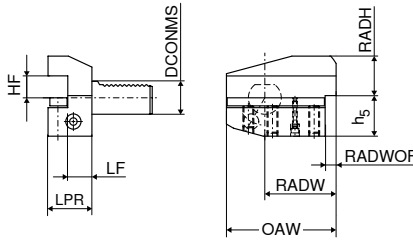
| DCONMS _{h6} | HF _{0/-0,1} | OAW | RADW | RADWOF | h ₅ | RADH | LF _{0/+0,5} | LPR | Left-hand | Right-hand |
|----------------------|----------------------|-----|------|--------|----------------|------|----------------------|-----|---------------------------|---------------------------|
| | | | | | | | | | Article no. 82 202 ... | Article no. 82 199 ... |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 200 | 200 |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 26,0 | 40 | 201 | 201 |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 18,0 | 30 | | 202 ¹⁾ |
| 30 | 20 | 100 | 65,0 | 10,0 | 28,0 | 38 | 18,5 | 40 | 300 | 300 |
| 30 | 20 | 100 | 65,0 | 10,0 | 28,0 | 38 | 42,0 | 60 | 301 | 301 |
| 40 | 25 | 118 | 75,5 | 12,5 | 32,5 | 48 | 18,5 | 44 | 400 | 400 |
| 50 | 32 | 130 | 80,0 | 16,0 | 35,0 | 60 | 30,0 | 55 | 500 | 500 |

1) Height adjustable +/- 1 mm

Radial tool holders, overhead, long



B8



B7

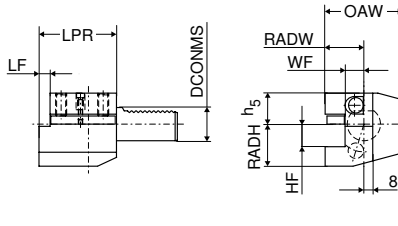


| DCONMS _{h6} | HF _{0/-0,1} | OAW | RADW | RADWOF | h ₅ | RADH | LF _{0/+0,5} | LPR | Left-hand | Right-hand |
|----------------------|----------------------|-----|------|--------|----------------|------|----------------------|-----|---------------------------|---------------------------|
| | | | | | | | | | Article no. 82 208 ... | Article no. 82 205 ... |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 16,0 | 30 | 200 | 200 |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 26,0 | 40 | 201 | 201 |
| 20 | 16 | 75 | 50,0 | 7,0 | 25,0 | 30 | 18,0 | 30 | | 202 ¹⁾ |
| 30 | 20 | 100 | 65,0 | 10,0 | 35,0 | 38 | 18,5 | 40 | 300 | 300 |
| 30 | 20 | 100 | 65,0 | 10,0 | 35,0 | 38 | 42,0 | 60 | 301 | 301 |
| 40 | 25 | 118 | 75,5 | 12,5 | 42,5 | 48 | 18,5 | 44 | 400 | 400 |
| 50 | 32 | 130 | 80,0 | 16,0 | 50,0 | 60 | 30,0 | 55 | 500 | 500 |

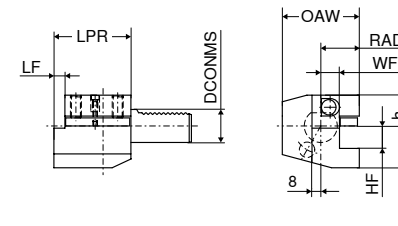
1) Height adjustable +/- 1 mm

i Spare parts can be found in → **Chapter 17, Accessories**

Axial tool holders




C2



C1

C2

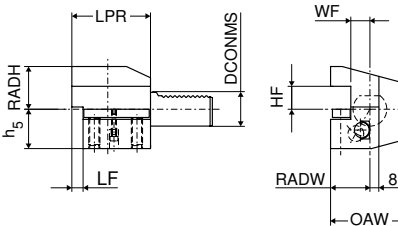
C1



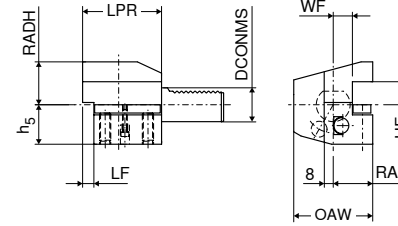
| DCONMS _{h6} | | HF _{0/-0,1} | OAW | RADW | WF _{0/+0,3} | h_5 | RADH | LPR | LF | Left-hand | Right-hand |
|----------------------|----|----------------------|-----|------|----------------------|-------|------|-----|------|---------------------------|---------------------------|
| mm | | mm | mm | mm | mm | mm | mm | mm | mm | Article no. 82 214 ... | Article no. 82 211 ... |
| 16 | 16 | 12 | 43 | 24,0 | 13,0 | 20,0 | 22 | 44 | 5,0 | | 160 |
| 20 | 20 | 16 | 65 | 40,0 | 26,0 | 25,0 | 30 | 50 | | 200 | 201 |
| 20 | 20 | 16 | 65 | 40,0 | 25,5 | 25,0 | 30 | 50 | | | 202 ¹⁾ |
| 20 | 20 | 16 | 52 | 27,0 | 13,0 | 25,0 | 30 | 55 | 7,0 | | 200 |
| 25 | 25 | 16 | 58 | 33,0 | 19,0 | 25,0 | 30 | 55 | 7,0 | 250 | 250 |
| 30 | 30 | 20 | 70 | 35,0 | 17,0 | 28,0 | 38 | 70 | 10,0 | | 300 |
| 30 | 30 | 20 | 76 | 41,0 | 23,0 | 28,0 | 38 | 70 | 10,0 | 300 | |
| 40 | 40 | 25 | 90 | 47,5 | 25,5 | 32,5 | 48 | 85 | 12,5 | 400 | |
| 40 | 40 | 25 | 85 | 42,5 | 20,5 | 32,5 | 48 | 85 | 12,5 | | 400 |
| 50 | 50 | 32 | 100 | 50,0 | 25,5 | 35,0 | 60 | 100 | 16,0 | | 500 |
| 50 | 50 | 32 | 105 | 55,0 | 30,5 | 35,0 | 60 | 100 | 16,0 | 500 | |

1) Height adjustable +/- 1 mm

Axial tool holders, overhead




C4



C3

C4

C3



| DCONMS _{h6} | | HF _{0/-0,1} | OAW | RADW | WF _{0/+0,3} | h_5 | RADH | LPR | LF | Left-hand | Right-hand |
|----------------------|----|----------------------|-----|------|----------------------|-------|------|-----|------|---------------------------|---------------------------|
| mm | | mm | mm | mm | mm | mm | mm | mm | mm | Article no. 82 220 ... | Article no. 82 217 ... |
| 16 | 16 | 12 | 43 | 24,0 | 13,0 | 20,0 | 22 | 44 | 5,0 | | 160 |
| 20 | 20 | 16 | 65 | 40,0 | 26,0 | 25,0 | 30 | 50 | | 200 | 201 |
| 20 | 20 | 16 | 65 | 40,0 | 25,5 | 30,0 | 25 | 50 | | 201 ¹⁾ | 202 ¹⁾ |
| 20 | 20 | 16 | 65 | 40,0 | 25,5 | 25,0 | 30 | 50 | | | 200 |
| 20 | 20 | 16 | 52 | 27,0 | 13,0 | 25,0 | 30 | 55 | 7,0 | | 200 |
| 25 | 25 | 16 | 58 | 33,0 | 19,0 | 25,0 | 30 | 55 | 7,0 | 250 | 250 |
| 30 | 30 | 20 | 70 | 35,0 | 17,0 | 35,0 | 38 | 70 | 10,0 | | 300 |
| 30 | 30 | 20 | 76 | 41,0 | 23,0 | 35,0 | 38 | 70 | 10,0 | 300 | |
| 40 | 40 | 25 | 85 | 42,5 | 20,5 | 42,5 | 48 | 85 | 12,5 | 400 | |
| 40 | 40 | 25 | 90 | 47,5 | 25,5 | 42,5 | 48 | 85 | 12,5 | | 400 |
| 50 | 50 | 32 | 100 | 50,0 | 25,5 | 50,0 | 60 | 100 | 16,0 | | 500 |
| 50 | 50 | 32 | 105 | 55,0 | 30,5 | 50,0 | 60 | 100 | 16,0 | 500 | |

1) Height adjustable +/- 1 mm

Multiple tool holders

D1

D2

D1

D2

| | | | | | | | | | | Article no. 82 222 ... | Article no. 82 224 ... |
|----------------------|----------------------|------|----------------------|-----------------------|-----|----------------|------|----------------------|-----|---------------------------|---------------------------|
| DCONMS _{h6} | HF _{0/+0,1} | RADW | WF _{0/+0,3} | WF2 _{0/+0,3} | OAW | h ₅ | RADH | LF _{0/+0,5} | LPR | | |
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| 25 | 16 | 33,0 | 19,0 | 19,0 | 66 | 22,0 | 30 | 34 | 48 | 250 | |
| 25 | 16 | 33,0 | 19,0 | 19,0 | 66 | 25,0 | 30 | 34 | 48 | | 250 |
| 30 | 20 | 35,0 | 17,0 | 23,0 | 76 | 28,0 | 38 | 42 | 60 | 300 | |
| 30 | 20 | 35,0 | 17,0 | 23,0 | 76 | 35,0 | 38 | 42 | 60 | | 300 |
| 40 | 25 | 42,5 | 20,5 | 25,5 | 90 | 32,5 | 48 | 50 | 72 | 400 | |
| 40 | 25 | 42,5 | 20,5 | 25,5 | 90 | 42,5 | 48 | 50 | 72 | | 400 |

Cylindrical tool holders

- ▲ For tools with cylindrical shank to DIN 6535 and DIN 1835 Form E (Whistle Notch)
- ▲ Coolant supply either centrally through the tool or via the adjustable ball spray nozzles

E

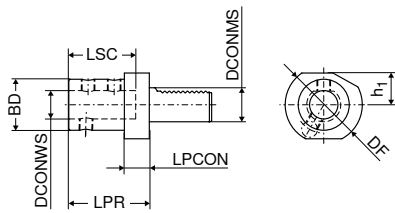
| | | | | | | | | | Article no. 83 269 ... |
|----------------------|--------|----|----|----------------|-----|-------|-----|--|---------------------------|
| DCONMS _{h6} | DCONWS | DF | BD | h ₁ | LPR | LPCON | LSC | | |
| mm | mm | mm | mm | mm | mm | mm | mm | | |
| 20 | 6 | 50 | 45 | 23,0 | 60 | 22 | 40 | | 206 |
| 20 | 8 | 50 | 45 | 23,0 | 60 | 22 | 40 | | 208 |
| 20 | 10 | 50 | 45 | 23,0 | 60 | 22 | 44 | | 210 |
| 20 | 12 | 50 | 45 | 23,0 | 60 | 22 | 49 | | 212 |
| 20 | 14 | 50 | 45 | 23,0 | 62 | 22 | 49 | | 214 |
| 20 | 16 | 50 | 45 | 23,0 | 67 | 22 | 52 | | 216 |
| 20 | 18 | 50 | 45 | 23,0 | 67 | 22 | 52 | | 218 |
| 20 | 20 | 50 | 45 | 23,0 | 67 | 22 | 52 | | 220 |
| 30 | 6 | 68 | 52 | 28,0 | 67 | 22 | 35 | | 306 |
| 30 | 8 | 68 | 52 | 28,0 | 67 | 22 | 35 | | 308 |
| 30 | 10 | 68 | 52 | 28,0 | 67 | 22 | 39 | | 310 |
| 30 | 12 | 68 | 52 | 28,0 | 67 | 22 | 44 | | 312 |
| 30 | 14 | 68 | 52 | 28,0 | 67 | 22 | 44 | | 314 |
| 30 | 16 | 68 | 52 | 28,0 | 67 | 22 | 47 | | 316 |
| 30 | 18 | 68 | 52 | 28,0 | 67 | 22 | 47 | | 318 |
| 30 | 20 | 68 | 52 | 28,0 | 67 | 22 | 52 | | 320 |
| 40 | 6 | 83 | 52 | 32,5 | 67 | 22 | 35 | | 406 |
| 40 | 8 | 83 | 52 | 32,5 | 67 | 22 | 35 | | 408 |
| 40 | 10 | 83 | 52 | 32,5 | 67 | 22 | 39 | | 410 |
| 40 | 12 | 83 | 52 | 32,5 | 67 | 22 | 44 | | 412 |
| 40 | 14 | 83 | 52 | 32,5 | 67 | 22 | 44 | | 414 |
| 40 | 16 | 83 | 52 | 32,5 | 67 | 22 | 47 | | 416 |
| 40 | 18 | 83 | 52 | 32,5 | 67 | 22 | 47 | | 418 |
| 40 | 20 | 83 | 52 | 32,5 | 67 | 22 | 52 | | 420 |

i Spare parts can be found in → **Chapter 17, Accessories**

Cylindrical tool holders for indexable insert drills

▲ For drilling tools with internal coolant supply

E1



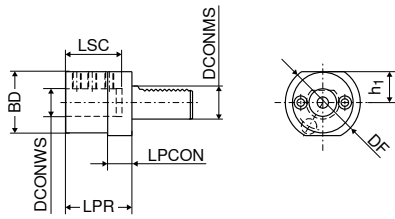
| DCONMS _{h6} | DCONWS _{H6} | DF | BD | h ₁ | LPR | LPCON | LSC | Article no. 82 274 ... |
|----------------------|----------------------|----|----|----------------|-----|-------|-----|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | mm | |
| 20 | 16 | 50 | 36 | 23,0 | 67 | 18 | 54 | 200 |
| 20 | 20 | 50 | 40 | 23,0 | 67 | 18 | 54 | 201 |
| 20 | 25 | 50 | 45 | 23,0 | 71 | 18 | 59 | 202 |
| 25 | 16 | 58 | 36 | 25,0 | 67 | 18 | 54 | 250 |
| 25 | 20 | 58 | 40 | 25,0 | 67 | 18 | 54 | 251 |
| 25 | 25 | 58 | 45 | 25,0 | 71 | 18 | 59 | 252 |
| 30 | 16 | 68 | 36 | 28,0 | 67 | 22 | 54 | 300 |
| 30 | 20 | 68 | 40 | 28,0 | 67 | 22 | 54 | 301 |
| 30 | 25 | 68 | 45 | 28,0 | 71 | 22 | 59 | 302 |
| 30 | 32 | 68 | 52 | 28,0 | 75 | 22 | 63 | 303 |
| 30 | 40 | 68 | 60 | 28,0 | 87 | 22 | 73 | 304 |
| 40 | 16 | 83 | 36 | 32,5 | 67 | 22 | 54 | 400 |
| 40 | 20 | 83 | 40 | 32,5 | 67 | 22 | 54 | 401 |
| 40 | 25 | 83 | 45 | 32,5 | 75 | 22 | 59 | 402 |
| 40 | 32 | 83 | 52 | 32,5 | 75 | 22 | 63 | 403 |
| 40 | 40 | 83 | 60 | 32,5 | 90 | 22 | 73 | 404 |
| 50 | 20 | 98 | 40 | 35,0 | 80 | 30 | 54 | 500 |
| 50 | 25 | 98 | 45 | 35,0 | 80 | 30 | 59 | 501 |
| 50 | 32 | 98 | 52 | 35,0 | 80 | 30 | 63 | 502 |
| 50 | 40 | 98 | 60 | 35,0 | 90 | 30 | 73 | 503 |
| 50 | 50 | 98 | 70 | 35,0 | 100 | 30 | 83 | 504 |

i Spare parts can be found in → **Chapter 17, Accessories**

Boring bar holder

- ▲ For turning tools with cylindrical shank
- ▲ Coolant supply either through the tool or via the ball-shaped spray nozzle

E2



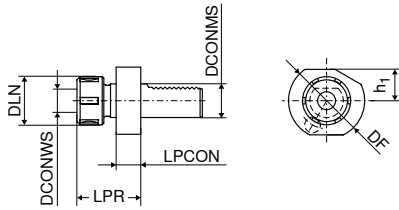
| DCONMS _{h6} | DCONWS _{H7} | DF | BD | h ₁ | LPR | LPCON | LSC | Article no. 82 268 ... |
|----------------------|----------------------|----|----|----------------|-----|-------|-----|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | mm | |
| 16 | 6 | 40 | 32 | 18,0 | 44 | 13 | 34 | 160 ¹⁾ |
| 16 | 8 | 40 | 32 | 18,0 | 44 | 13 | 34 | 161 ¹⁾ |
| 16 | 10 | 40 | 32 | 18,0 | 44 | 13 | 34 | 162 ¹⁾ |
| 16 | 12 | 40 | 40 | 18,0 | 44 | 13 | 34 | 163 ¹⁾ |
| 16 | 16 | 40 | 40 | 18,0 | 44 | 13 | 34 | 164 ¹⁾ |
| 20 | 8 | 50 | 40 | 23,0 | 50 | 18 | 41 | 200 |
| 20 | 10 | 50 | 40 | 23,0 | 50 | 18 | 41 | 201 |
| 20 | 12 | 50 | 40 | 23,0 | 50 | 18 | 41 | 202 |
| 20 | 16 | 50 | 40 | 23,0 | 50 | 18 | 41 | 203 |
| 20 | 20 | 50 | 50 | 23,0 | 50 | 18 | 41 | 204 |
| 20 | 25 | 50 | 50 | 23,0 | 60 | 18 | 51 | 205 |
| 25 | 8 | 58 | 40 | 25,0 | 50 | 18 | 41 | 250 |
| 25 | 10 | 58 | 40 | 25,0 | 50 | 18 | 41 | 251 |
| 25 | 12 | 58 | 40 | 25,0 | 50 | 18 | 41 | 252 |
| 25 | 16 | 58 | 40 | 25,0 | 50 | 18 | 41 | 253 |
| 25 | 20 | 58 | 58 | 25,0 | 50 | 18 | 41 | 254 |
| 25 | 25 | 58 | 58 | 25,0 | 60 | 18 | 51 | 255 |
| 30 | 8 | 68 | 55 | 28,0 | 60 | 22 | 51 | 300 |
| 30 | 10 | 68 | 55 | 28,0 | 60 | 22 | 51 | 301 |
| 30 | 12 | 68 | 55 | 28,0 | 60 | 22 | 51 | 302 |
| 30 | 16 | 68 | 55 | 28,0 | 60 | 22 | 51 | 303 |
| 30 | 20 | 68 | 55 | 28,0 | 60 | 22 | 51 | 304 |
| 30 | 25 | 68 | 55 | 28,0 | 60 | 22 | 51 | 305 |
| 30 | 32 | 68 | 68 | 28,0 | 75 | 22 | 61 | 306 |
| 40 | 8 | 83 | 55 | 32,5 | 75 | 22 | 61 | 400 |
| 40 | 10 | 83 | 55 | 32,5 | 75 | 22 | 61 | 401 |
| 40 | 12 | 83 | 55 | 32,5 | 75 | 22 | 61 | 402 |
| 40 | 16 | 83 | 55 | 32,5 | 75 | 22 | 61 | 403 |
| 40 | 20 | 83 | 55 | 32,5 | 75 | 22 | 61 | 404 |
| 40 | 25 | 83 | 55 | 32,5 | 75 | 22 | 61 | 405 |
| 40 | 32 | 83 | 83 | 32,5 | 75 | 22 | 61 | 406 |
| 40 | 40 | 83 | 83 | 32,5 | 90 | 22 | 76 | 407 |
| 50 | 12 | 98 | 68 | 35,0 | 90 | 30 | 76 | 500 |
| 50 | 16 | 98 | 68 | 35,0 | 90 | 30 | 76 | 501 |
| 50 | 20 | 98 | 68 | 35,0 | 90 | 30 | 76 | 502 |
| 50 | 25 | 98 | 68 | 35,0 | 90 | 30 | 76 | 503 |
| 50 | 32 | 98 | 68 | 35,0 | 90 | 30 | 76 | 504 |
| 50 | 40 | 98 | 98 | 35,0 | 90 | 30 | 76 | 505 |
| 50 | 50 | 98 | 98 | 35,0 | 100 | 30 | 86 | 506 |

1) Coolant supply through pipe joint

i Spare parts + accessories can be found in → **Chapter 17, Accessories**

OZ-Collet chuck

E3

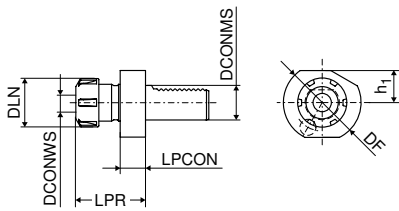


| DCONMS _{h6} | DCONWS | DF | DLN | h ₁ | LPR | LPCON | for collet | Article no. 82 285 ... |
|----------------------|--------|----|-----|----------------|-----|-------|------------------|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | | |
| 20 | 2 - 16 | 50 | 43 | 23,0 | 57 | 18 | 415E / 421E (OZ) | 202 |
| 30 | 2 - 16 | 68 | 43 | 28,0 | 57 | 22 | 415E / 421E (OZ) | 301 |
| 30 | 2 - 25 | 68 | 60 | 28,0 | 75 | 22 | 459E / 462E (OZ) | 302 |
| 40 | 2 - 25 | 83 | 60 | 32,5 | 75 | 22 | 459E / 462E (OZ) | 402 |
| 40 | 4 - 32 | 83 | 72 | 32,5 | 90 | 22 | 460E / 467E (OZ) | 403 |
| 50 | 2 - 25 | 98 | 60 | 35,0 | 75 | 30 | 459E / 462E (OZ) | 500 |
| 50 | 4 - 32 | 98 | 72 | 35,0 | 90 | 30 | 460E / 467E (OZ) | 501 |

i Collets can be found on → Page 217+218.

ER Collet chucks

E4



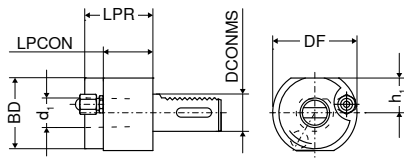
| DCONMS _{h6} | DCONWS | DF | DLN | h ₁ | LPR | LPCON | for collet | Article no. 82 286 ... |
|----------------------|--------|----|-----|----------------|------|-------|-------------|---------------------------|
| mm | mm | mm | mm | mm | mm | mm | | |
| 16 | 1 - 10 | 40 | 28 | 18,0 | 45,5 | 14 | 426E (ER16) | 160 |
| 16 | 1 - 13 | 40 | 34 | 18,0 | 44,0 | 14 | 428E (ER20) | 161 |
| 20 | 1 - 16 | 50 | 42 | 23,0 | 57,0 | 18 | 430E (ER25) | 202 |
| 20 | 2 - 20 | 50 | 50 | 23,0 | 62,0 | 18 | 470E (ER32) | 203 |
| 25 | 1 - 16 | 58 | 42 | 25,0 | 57,0 | 18 | 430E (ER25) | 250 |
| 25 | 2 - 20 | 58 | 50 | 25,0 | 62,0 | 18 | 470E (ER32) | 251 |
| 30 | 1 - 16 | 68 | 42 | 28,0 | 57,0 | 22 | 430E (ER25) | 300 |
| 30 | 2 - 20 | 68 | 50 | 28,0 | 75,0 | 22 | 470E (ER32) | 301 |
| 40 | 1 - 16 | 83 | 42 | 32,5 | 63,0 | 22 | 430E (ER25) | 400 |
| 40 | 2 - 20 | 83 | 50 | 32,5 | 75,0 | 22 | 470E (ER32) | 401 |
| 40 | 3 - 26 | 83 | 63 | 32,5 | 75,0 | 22 | 472E (ER40) | 402 |
| 50 | 2 - 20 | 94 | 50 | 35,0 | 75,0 | 30 | 470E (ER32) | 500 |
| 50 | 3 - 26 | 94 | 63 | 35,0 | 63,0 | 30 | 472E (ER40) | 501 |

i Collets can be found on → Page 208–213.

Morse taper adapters

▲ For taper shanks with ejector tang

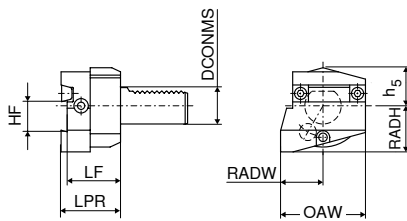
F1



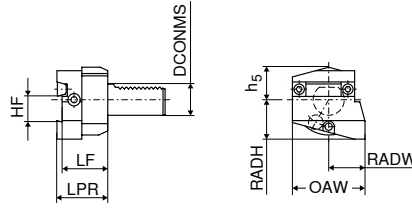
| DCONMS _{h6} | d ₁ | BD | DF | h ₁ | LPR | LPCON | Article no. 82 277 ... |
|----------------------|----------------|----|----|----------------|-----|-------|---------------------------|
| mm | | mm | mm | mm | mm | mm | |
| 20 | MK1 | | 50 | 23,0 | 23 | | 200 |
| 20 | MK2 | | 50 | 23,0 | 87 | | 201 |
| 30 | MK1 | | 68 | 28,0 | 27 | | 300 |
| 30 | MK2 | | 68 | 28,0 | 27 | | 301 |
| 30 | MK3 | 58 | 68 | 28,0 | 55 | 40 | 302 |
| 40 | MK2 | 55 | 83 | 32,5 | 36 | 22 | 401 |
| 40 | MK3 | 58 | 83 | 32,5 | 36 | 22 | 402 |
| 40 | MK4 | 68 | 83 | 32,5 | 80 | 22 | 403 |
| 50 | MK2 | 55 | 98 | 35,0 | 36 | 30 | 500 |
| 50 | MK3 | 58 | 98 | 35,0 | 36 | 30 | 501 |
| 50 | MK4 | 68 | 98 | 35,0 | 50 | 30 | 502 |

Parting blade holders, height adjustable

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



left



right

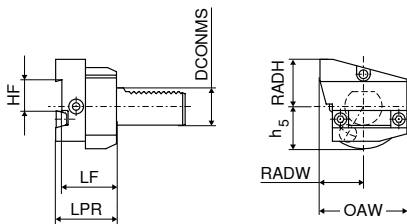


| DCONMS _{h6} | OAW | RADW | HF | h ₅ | RADH | LF | LPR |
|----------------------|-----|------|----|----------------|------|----|-----|
| mm | mm | mm | mm | mm | mm | mm | mm |
| 25 | 53 | 28,0 | 26 | 25,0 | 30 | 35 | 40 |
| 30 | 70 | 35,0 | 26 | 28,0 | 38 | 44 | 49 |
| 30 | 70 | 35,0 | 32 | 30,5 | 38 | 44 | 49 |
| 40 | 73 | 42,5 | 26 | 32,0 | 48 | 44 | 49 |
| 40 | 85 | 42,5 | 32 | 32,0 | 48 | 44 | 49 |

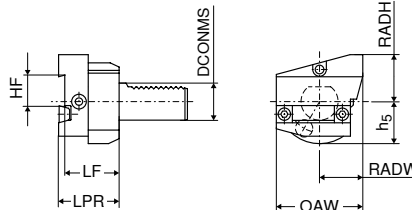
| Left-hand | Right-hand |
|---------------------------|---------------------------|
| Article no. 82 237 ... | Article no. 82 236 ... |
| 300 | 250 |
| 302 | 300 |
| 040 | 302 |
| 400 | 040 |
| | 400 |

Parting blade holders, height adjustable, overhead

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



left



right

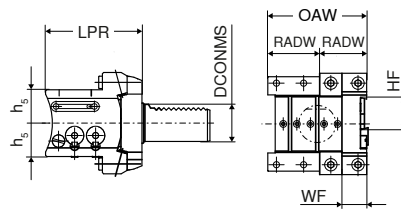
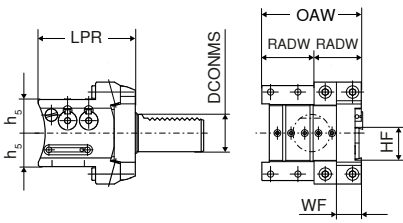


| DCONMS _{h6} | OAW | RADW | HF | h ₅ | RADH | LF | LPR |
|----------------------|-----|------|----|----------------|------|----|-----|
| mm | mm | mm | mm | mm | mm | mm | mm |
| 30 | 70 | 35,0 | 26 | 34,0 | 38 | 44 | 49 |
| 30 | 70 | 35,0 | 32 | 30,5 | 38 | 44 | 49 |
| 40 | 73 | 42,5 | 26 | 32,0 | 48 | 44 | 49 |
| 40 | 85 | 42,5 | 32 | 32,0 | 48 | 44 | 49 |

| Left-hand | Right-hand |
|---------------------------|---------------------------|
| Article no. 82 243 ... | Article no. 82 242 ... |
| 300 | 300 |
| 302 | 302 |
| 040 | 040 |
| 400 | 400 |

Parting blade holders, height adjustable

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



| DCONMS _{h6} | OAW | RADW | HF | h ₅ | WF | LPR |
|----------------------|-----|------|----|----------------|----|-----|
| mm | mm | mm | mm | mm | mm | mm |
| 30 | 80 | 40 | 26 | 27 | 20 | 78 |
| 40 | 80 | 40 | 26 | 27 | 20 | 88 |
| 40 | 80 | 40 | 32 | 32 | 20 | 88 |

Universal Universal-overhead

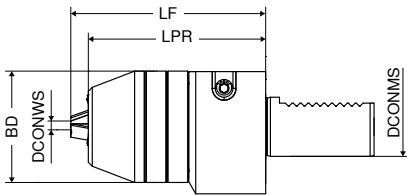
| Article no. 82 238 ... | Article no. 82 244 ... |
|---------------------------|---------------------------|
| 300 | 300 |
| 400 | 400 |
| 402 | 402 |

Short drill chuck NC2010

- ▲ Coolant supply via 3 adjustable ball-shaped spray nozzles in the housing
- ▲ Independent of direction of rotation

Scope of supply:

Basic body including chuck key SW 4

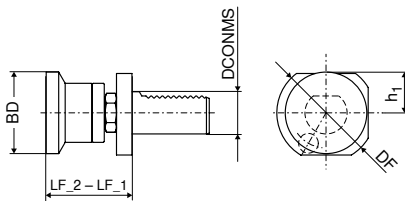


| DCONMS _{h6} | DCONWS | BD | LPR | LF | Article no. 84 297 ... |
|----------------------|----------|------|-----|----|---------------------------|
| mm | mm | mm | mm | mm | |
| 20 | 0,5 - 10 | 48,5 | 40 | 50 | 210 ¹⁾ |
| 30 | 0,5 - 13 | 56,5 | 90 | 99 | 313 |
| 30 | 2,5 - 16 | 56,5 | 90 | 99 | 316 |
| 40 | 0,5 - 13 | 56,5 | 90 | 99 | 413 |
| 40 | 2,5 - 16 | 56,5 | 90 | 99 | 416 |

1) Without Through Coolant

Material stops

- ▲ Revolving, length adjustable

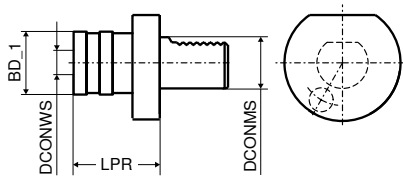


| DCONMS _{h6} | BD | DF | h ₁ | LF_2 | LF_1 | Article no. 83 292 ... |
|----------------------|----|----|----------------|------|------|---------------------------|
| mm | mm | mm | mm | mm | mm | |
| 20 | 26 | 50 | 23,0 | 50 | 70 | 200 ¹⁾ |
| 20 | 32 | 50 | 23,0 | 50 | 70 | 201 ¹⁾ |
| 20 | 42 | 50 | 23,0 | 50 | 70 | 202 ¹⁾ |
| 30 | 32 | 68 | 28,0 | 62 | 95 | 300 |
| 30 | 42 | 68 | 28,0 | 62 | 95 | 301 |
| 30 | 58 | 68 | 28,0 | 62 | 95 | 302 |
| 40 | 32 | 83 | 32,5 | 62 | 95 | 400 |
| 40 | 42 | 83 | 32,5 | 62 | 95 | 401 |
| 40 | 58 | 83 | 32,5 | 62 | 95 | 402 |

1) Without VDI location

Quick-change tap chucks GSF

▲ LZD = Length compensation under tension and compression



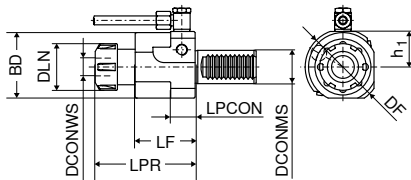
| DCONMS _{h6} mm | cutting range | SZID | DCONWS mm | BD_1 mm | LPR mm | LZD± mm | Article no. 83 307 ... |
|----------------------------|---------------|------|--------------|------------|-----------|------------|---------------------------|
| 20 | M3 - M12 | 01 | 19 | 38 | 55 | 9 | 112 |
| 25 | M3 - M12 | 01 | 19 | 38 | 55 | 9 | 212 |
| 30 | M3 - M12 | 01 | 19 | 38 | 55 | 9 | 312 |
| 40 | M3 - M12 | 01 | 19 | 38 | 55 | 9 | 412 |
| 20 | M6 - M20 | 02 | 31 | 55 | 77 | 15 | 120 |
| 25 | M6 - M20 | 02 | 31 | 55 | 77 | 15 | 220 |
| 30 | M6 - M20 | 02 | 31 | 55 | 77 | 15 | 320 |
| 40 | M6 - M20 | 02 | 31 | 55 | 77 | 15 | 420 |

i Quick change adapters can be found on → Page 219–223.

Tap holders with length compensation GML

▲ LZD = Length compensation under tension and compression

▲ For ER collets with internal square ISO 15488-A (DIN 6499-A)

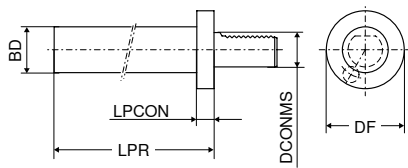


| DCONMS | DCONWS | DLN | BD | DF | h ₁ | LPR | LF | LPCON | LZD mm | for collet | Article no. 83 290 ... |
|--------|----------|-----|----|----|----------------|-----|----|-------|-----------|--------------|---------------------------|
| 20 | 0,5 - 10 | 28 | 45 | 50 | 23,0 | 65 | 40 | 18 | 6,0 / 1,5 | 4031E (ER16) | 213 |
| 30 | 1 - 16 | 42 | 62 | 68 | 28,0 | 90 | 54 | 42 | 8,0 / 2,0 | 4282E (ER25) | 316 |
| 40 | 1 - 16 | 42 | 62 | 83 | 32,5 | 85 | 49 | 42 | 8,0 / 2,0 | 4282E (ER25) | 416 |

i ER collets can be found on → Pages 208–213.

Test arbors

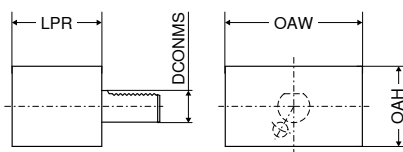
▲ Radial run-out ≤ 0.02 mm



| DCONMS | BD _{h5} | DF | LPR | LPCON | Article no. 83 324 ... |
|--------|------------------|----|-----|-------|---------------------------|
| mm | mm | mm | mm | mm | |
| 16 | 30 | 40 | 120 | 15 | 016 |
| 20 | 40 | 50 | 150 | 15 | 020 |
| 30 | 40 | 68 | 200 | 15 | 030 |
| 40 | 40 | 83 | 200 | 15 | 040 |
| 50 | 40 | 98 | 200 | 15 | 050 |

Tool holders, rough machined, rectangular

▲ Manufactured from C45

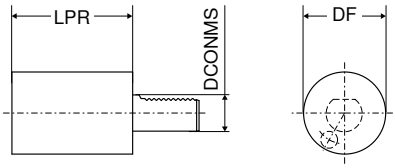


| DCONMS _{h5} | LPR | OAW | OAH | Article no. 82 327 ... |
|----------------------|-----|-----|-----|---------------------------|
| mm | mm | mm | mm | |
| 16 | 44 | 78 | 44 | 160 |
| 20 | 65 | 100 | 60 | 200 |
| 25 | 75 | 100 | 60 | 250 |
| 30 | 85 | 130 | 76 | 300 |
| 40 | 100 | 151 | 96 | 400 |
| 50 | 125 | 160 | 120 | 500 |

Tool holders, rough machined, round

▲ Manufactured from C45

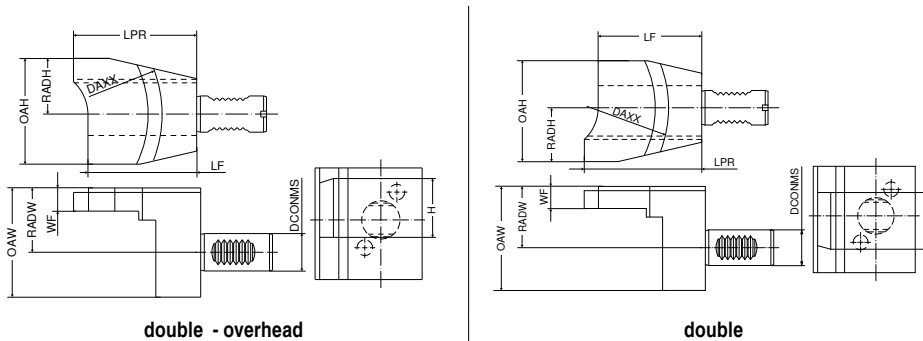
A2



| DCONMS _{h6} | LPR | DF | Article no. 82 330 ... |
|----------------------|-----|----|---------------------------|
| mm | mm | mm | |
| 16 | 60 | 40 | 160 |
| 20 | 70 | 50 | 200 |
| 25 | 80 | 58 | 250 |
| 25 | 200 | 58 | 253 |
| 30 | 100 | 68 | 300 |
| 30 | 240 | 68 | 303 |
| 40 | 120 | 83 | 400 |
| 40 | 320 | 83 | 403 |
| 50 | 135 | 98 | 500 |
| 50 | 400 | 98 | 502 |

Parting blade holder

▲ Doubles = reciprocally interlocked VDI shank



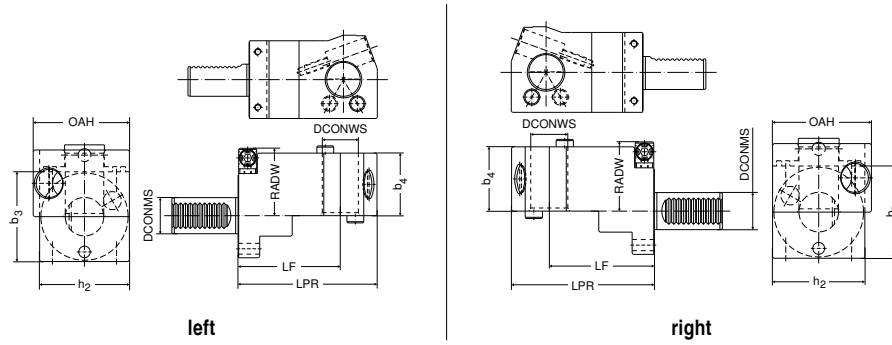
| DCONMS | OAH | RADH | OAW | RADW | WF | LPR | LF | DAXX | H | double-overhead | double |
|--------|-----|------|-----|------|------|------|----|------|----|---------------------------|---------------------------|
| | | | | | | | | | | Article no. 65 170 ... | Article no. 65 170 ... |
| 20 | 94 | 47 | 95 | 60 | 15,5 | 85,5 | 75 | 176 | 26 | 040 ¹⁾ | 039 ¹⁾ |
| 25 | 73 | 39 | 72 | 43 | 15,5 | 85,0 | 75 | 176 | 26 | 042 ¹⁾ | 041 ¹⁾ |
| 25 | 73 | 39 | 72 | 43 | 15,5 | 85,0 | 75 | 176 | 32 | 044 ¹⁾ | 043 ¹⁾ |
| 30 | 100 | 50 | 95 | 60 | 15,5 | 85,5 | 75 | 176 | 26 | 046 ¹⁾ | 045 ¹⁾ |
| 30 | 100 | 50 | 95 | 60 | 15,5 | 85,5 | 75 | 176 | 32 | 048 ¹⁾ | 047 ¹⁾ |
| 40 | 100 | 50 | 95 | 60 | 15,5 | 85,5 | 75 | 176 | 26 | 050 ¹⁾ | 049 ¹⁾ |
| 40 | 100 | 50 | 95 | 60 | 15,5 | 85,5 | 75 | 176 | 32 | 052 ¹⁾ | 051 ¹⁾ |

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

90° VDI to VDI adapter, double sided

▲ For rotating toolholder



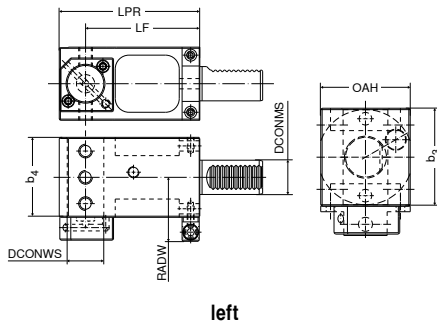
| DCONMS | DCONWS | OAH | h ₂ | b ₃ | b ₄ | RADW | LF | LPR | Left-hand | Right-hand |
|--------|--------|-----|----------------|----------------|----------------|------|-----|-----|---------------------------|---------------------------|
| | | | | | | | | | Article no. 65 170 ... | Article no. 65 170 ... |
| 25 | 20 | 60 | 54 | 60 | 44 | 48,0 | 75 | 100 | 012 ¹⁾ | 011 ¹⁾ |
| 25 | 25 | 63 | 54 | 60 | 44 | 48,0 | 75 | 100 | 014 | 013 ¹⁾ |
| 30 | 30 | 75 | 70 | 70 | 52 | 56,0 | 85 | 115 | 004 | 006 ¹⁾ |
| 30 | 30 | 75 | 70 | 70 | 52 | 56,0 | 100 | 130 | 003 ¹⁾ | 005 |
| 40 | 40 | 93 | 85 | 85 | 60 | 67,5 | 100 | 138 | 008 | 007 |
| 40 | 40 | 93 | 85 | 85 | 60 | 67,5 | 120 | 158 | 009 | 010 ¹⁾ |
| 50 | 50 | 109 | 90 | 100 | 72 | 73,5 | 120 | 165 | 002 ¹⁾ | 001 ¹⁾ |

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Boring bar holder with through coolant

- ▲ Delivered as left hand tool
- ▲ Can be re-assembled as right hand tool
- ▲ External coolant supply available



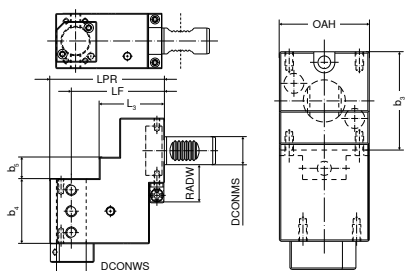
| DCONMS | DCONWS | OAH | b ₃ | b ₄ | RADW | LF | LPR | right / left |
|--------|--------|-----|----------------|----------------|------|-----|-------|---------------------------|
| | | | | | | | | Article no. 65 170 ... |
| 25 | 25 | 54 | 60 | 60 | 48,0 | 75 | 97,5 | 065 |
| 30 | 32 | 64 | 70 | 70 | 56,0 | 85 | 108,0 | 062 |
| 30 | 32 | 64 | 70 | 70 | 56,0 | 100 | 123,0 | 063 |
| 40 | 40 | 76 | 85 | 85 | 67,5 | 100 | 132,0 | 067 |
| 40 | 40 | 76 | 85 | 85 | 67,5 | 120 | 152,0 | 068 |
| 50 | 50 | 85 | 100 | 100 | 73,5 | 120 | 160,0 | 066 ¹⁾ |

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Boring bar holder, with offset, with through coolant

- ▲ Doubles = reciprocally interlocked VDI shank
- ▲ External coolant supply available



double

| DCONMS | DCONWS | OAH | b ₃ | b ₄ | RADW | b ₅ | LF | LPR | L ₃ |
|--------|--------|-----|----------------|----------------|------|----------------|-----|-------|----------------|
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 25 | 25 | 54 | 60 | 60 | 48,0 | 20 | 75 | 97,5 | 48 |
| 30 | 32 | 64 | 70 | 70 | 56,0 | 30 | 100 | 123,0 | 70 |
| 40 | 40 | 85 | 85 | 85 | 67,5 | 40 | 100 | 132,0 | 63 |

Article no.
65 170 ...

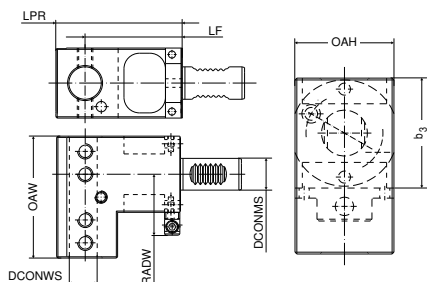
069
070 ¹⁾
071 ¹⁾

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Double boring bar holder with through coolant

- ▲ Doubles = reciprocally interlocked VDI shank
- ▲ For use of two boring bars for main and sub-spindle machining
- ▲ External coolant supply available



double

| DCONMS | DCONWS | OAH | b ₃ | OAW | RADW | LF | LPR |
|--------|--------|-----|----------------|-----|------|-----|-------|
| mm | mm | mm | mm | mm | mm | mm | mm |
| 25 | 25 | 54 | 60 | 96 | 48,0 | 75 | 97,5 |
| 30 | 32 | 64 | 70 | 120 | 56,0 | 85 | 108,0 |
| 30 | 32 | 64 | 70 | 120 | 56,0 | 100 | 123,0 |
| 40 | 40 | 76 | 85 | 120 | 67,5 | 120 | 152,0 |

Article no.
65 170 ...

080 ¹⁾
082 ¹⁾
083 ¹⁾
084

1) Not ex-stock

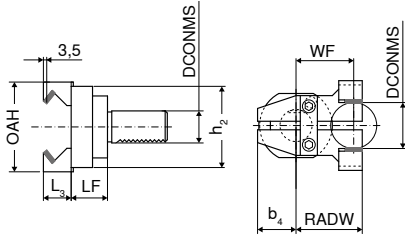
i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Bar pullers for disc turrets, radial

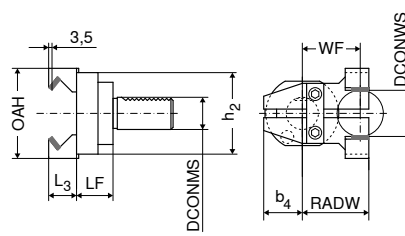
- ▲ Two adjustable, spring-mounted, replaceable grippers are fitted to the main body. Each of these is equipped with a carbide insert. The grippers are set to a slightly smaller diameter than the bar and then pressed onto the bar in an axial direction (x axis) by the tool turret.
- ▲ GA = Gripper set

Scope of supply:

Bar puller incl. GA 1 for VDI 16, and GA 3 from VDI 20



left



right



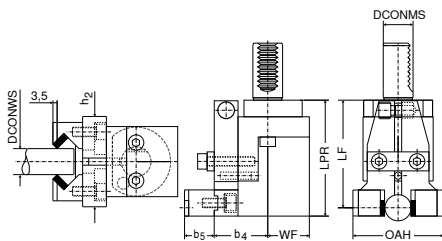
| DCONMS _{h6} mm | DCONWS mm | RADW mm | WF mm | b ₄ mm | OAH mm | h ₂ mm | LF mm | L ₃ mm | suitable for GA | Left-hand | Right-hand |
|----------------------------|--------------|------------|----------|----------------------|-----------|----------------------|----------|----------------------|--------------------|---------------------------|---------------------------|
| | | | | | | | | | | Article no. 80 309 ... | Article no. 80 306 ... |
| 16 | 2 - 22 | 35,0 | 28,5 | 26,5 | 73 | 55 | 27,8 | 24,5 | 1 | | 160 |
| 20 | 2 - 42 | 60,5 | 54,0 | 36,0 | 86 | 76 | 33,7 | 26,0 | 3 | | 200 |
| 30 | 2 - 65 | 60,5 | 54,0 | 36,0 | 102 | 76 | 33,7 | 26,0 | 3 - 4 | | 300 |
| 30 | 2 - 65 | 47,5 | 41,0 | 49,0 | 102 | 76 | 33,7 | 26,0 | 3 - 4 | 300 | |
| 40 | 2 - 65 | 60,5 | 54,0 | 41,5 | 122 | 76 | 33,7 | 26,0 | 3 - 4 | 400 | 400 |

Bar pullers for star turrets

- ▲ Two adjustable, spring-mounted, replaceable grippers are fitted to the main body. Each of these is equipped with a carbide insert. The grippers are set to a slightly smaller diameter than the bar and then pressed onto the bar in an axial direction (x axis) by the tool turret.
- ▲ 90° angle head
- ▲ GA = Gripper set

Scope of supply:

Bar puller with GA 3



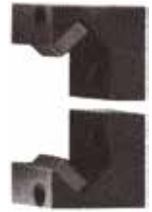
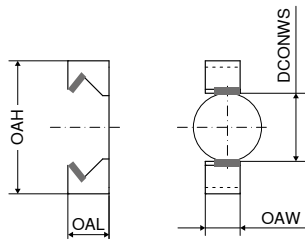
left



| DCONMS _{h6} mm | DCONWS mm | LPR mm | LF mm | OAH mm | h ₂ mm | b ₄ mm | b ₅ mm | WF mm | suitable for GA | Left-hand |
|----------------------------|--------------|-----------|----------|-----------|----------------------|----------------------|----------------------|----------|--------------------|---------------------------|
| | | | | | | | | | | Article no. 80 310 ... |
| 30 | 2 - 65 | 97 | 90,5 | 86 | 76 | 46,7 | 26 | 34,0 | 3 - 4 | 300 |
| 40 | 2 - 65 | 97 | 90,5 | 102 | 76 | 59,7 | 26 | 41,5 | 3 - 4 | 400 |

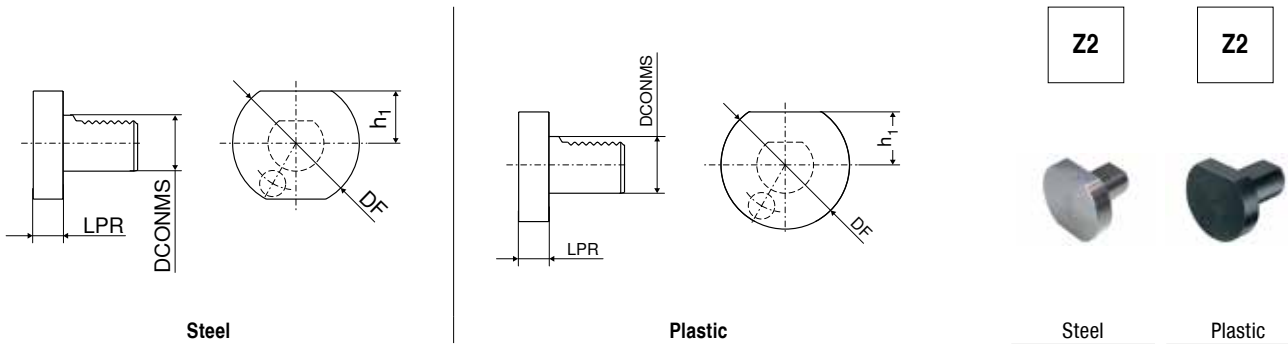
Gripper accessories

- ▲ For bar pullers 80 306 ... / 80 309 ... / 80 310 ...
- ▲ Price per pair



| GA | DCONWS | OAL | OAW | OAH | Article no. 80 312 ... |
|----|--------|------|-----|-----|---------------------------|
| | mm | mm | mm | mm | |
| 1 | 2-22 | 24,5 | 13 | 58 | 022 |
| 3 | 2-42 | 26,0 | 22 | 86 | 042 |
| 4 | 42-65 | 29,5 | 22 | 102 | 065 |

Protection plugs

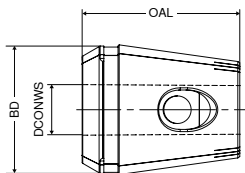


| DCONMS _{h8} | DF | Steel | | LPR | Article no. 82 317 ... | Article no. 83 318 ... |
|----------------------|----|----------------|----|-----|---------------------------|---------------------------|
| | | h ₁ | mm | | | |
| 16 | 40 | 18,0 | 16 | 160 | 160 | |
| 20 | 50 | 23,0 | 16 | 200 | 200 | |
| 25 | 58 | 25,0 | 16 | 250 | | |
| 30 | 68 | 28,0 | 16 | 300 | 300 | |
| 40 | 83 | 32,5 | 20 | 400 | 400 | |
| 50 | 98 | 35,0 | 20 | 500 | 500 | |

ER wedge collet with pull out protection, for precision collet chuck

- ▲ Similar to DIN ISO 15488-B
- ▲ Slotted
- ▲ Double taper collet

| | |
|----------------|------------|
| Centro-P WD | ER 5 μm |
|----------------|------------|



BD = 32,7
OAL = 40
ER 32

DCONWS

Article no.
83 629 ...

| mm | |
|----|-----|
| 12 | 120 |
| 14 | 140 |
| 16 | 160 |
| 18 | 180 |



Spare parts
DCONWS

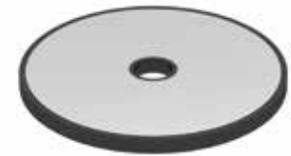
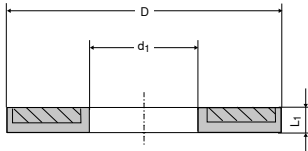
Article no.
83 950 ...

| | | |
|-------|-------|-----|
| 12-18 | CP 32 | 455 |
|-------|-------|-----|

Sealing rings for precision collet chucks

- ▲ For sealing when using tools with internal cooling
- ▲ Sealing range: nominal diameter -0,1 mm / +0,4 mm
- ▲ Can be applied up to 80 bar

Centro-P



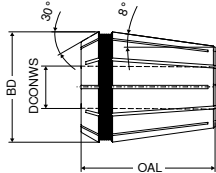
| d ₁ mm | D = 12,6 L ₁ = 2 426E (ER16) | | D = 15,8 L ₁ = 2 428E (ER20) | | D = 20,2 L ₁ = 2 430E (ER25) | | D = 26,2 L ₁ = 2 444E / OZ (ER32) | | D = 34,2 L ₁ = 2 472E (ER40) | |
|----------------------|---|---------------------------|---|---------------------------|---|---------------------------|--|---------------------------|---|---------------------------|
| | Article no. 83 690 ... | Article no. 83 694 ... | Article no. 83 691 ... | Article no. 83 692 ... | Article no. 83 693 ... | Article no. 83 690 ... | Article no. 83 694 ... | Article no. 83 691 ... | Article no. 83 692 ... | Article no. 83 693 ... |
| 1,0 | 010 | | | | | | | | | |
| 1,5 | 015 | | | | | | | | | |
| 2,0 | 020 | 020 | 020 | 020 | | | | | | |
| 2,5 | 025 | 025 | 025 | 025 | | | | | | |
| 3,0 | 030 | 030 | 030 | 030 | | | | | | 030 |
| 3,5 | 035 | 035 | 035 | 035 | | | | | | 035 |
| 4,0 | 040 | 040 | 040 | 040 | | | | | | 040 |
| 4,5 | 045 | 045 | 045 | 045 | | | | | | 045 |
| 5,0 | 050 | 050 | 050 | 050 | | | | | | 050 |
| 5,5 | 055 | 055 | 055 | 055 | | | | | | 055 |
| 6,0 | 060 | 060 | 060 | 060 | | | | | | 060 |
| 6,5 | 065 | 065 | 065 | 065 | | | | | | 065 |
| 7,0 | 070 | 070 | 070 | 070 | | | | | | 070 |
| 7,5 | 075 | 075 | 075 | 075 | | | | | | 075 |
| 8,0 | 080 | 080 | 080 | 080 | | | | | | 080 |
| 8,5 | 085 | 085 | 085 | 085 | | | | | | 085 |
| 9,0 | 090 | 090 | 090 | 090 | | | | | | 090 |
| 9,5 | 095 | 095 | 095 | 095 | | | | | | 095 |
| 10,0 | 100 | 100 | 100 | 100 | | | | | | 100 |
| 10,5 | | 105 | 105 | 105 | | | | | | 105 |
| 11,0 | | 110 | 110 | 110 | | | | | | 110 |
| 11,5 | | 115 | 115 | 115 | | | | | | 115 |
| 12,0 | | 120 | 120 | 120 | | | | | | 120 |
| 12,5 | | 125 | 125 | 125 | | | | | | 125 |
| 13,0 | | 130 | 130 | 130 | | | | | | 130 |
| 13,5 | | | 135 | 135 | | | | | | 135 |
| 14,0 | | | 140 | 140 | | | | | | 140 |
| 14,5 | | | 145 | 145 | | | | | | 145 |
| 15,0 | | | 150 | 150 | | | | | | 150 |
| 15,5 | | | 155 | 155 | | | | | | 155 |
| 16,0 | | | 160 | 160 | | | | | | 160 |
| 16,5 | | | | 165 | | | | | | 165 |
| 17,0 | | | | 170 | | | | | | 170 |
| 17,5 | | | | 175 | | | | | | 175 |
| 18,0 | | | | 180 | | | | | | 180 |
| 18,5 | | | | 185 | | | | | | 185 |
| 19,0 | | | | 190 | | | | | | 190 |
| 19,5 | | | | 195 | | | | | | 195 |
| 20,0 | | | | 200 | | | | | | 200 |
| 20,5 | | | | | | | | | | 205 |
| 21,0 | | | | | | | | | | 210 |
| 21,5 | | | | | | | | | | 215 |
| 22,0 | | | | | | | | | | 220 |
| 22,5 | | | | | | | | | | 225 |
| 23,0 | | | | | | | | | | 230 |
| 23,5 | | | | | | | | | | 235 |
| 24,0 | | | | | | | | | | 240 |
| 24,5 | | | | | | | | | | 245 |
| 25,0 | | | | | | | | | | 250 |
| 25,5 | | | | | | | | | | 255 |
| 26,0 | | | | | | | | | | 260 |

Precision ER collet for precision collet chuck

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper collet
- ▲ Coloured ring as identification of precision collet
- ▲ ER08: 5 µm runout and repeatability

Centro-P
Coated

ER-B
2 µm



| DCONWS mm | BD = 8,5 OAL = 13,6 4004 E / ER08 | | BD = 11,5 OAL = 18 4008 E / ER11 | | BD = 17 OAL = 27,5 426 E / ER16 | | BD = 26 OAL = 34 430 E / ER25 | | BD = 33 OAL = 40 470 E / ER32 | | BD = 41 OAL = 46 472 E / ER40 | |
|-------------------|---|---------------------------|--|---------------------------|---------------------------------------|---------------------------|-------------------------------------|-----|-------------------------------------|-----|-------------------------------------|-----|
| | Article no. 84 577 ... | Article no. 84 585 ... | Article no. 84 596 ... | Article no. 84 597 ... | Article no. 84 598 ... | Article no. 84 599 ... | | | | | | |
| 1,0 | 010 | 010 | 010 | | | | | | | | | |
| 1,1 | | | 011 | | | | | | | | | |
| 1,2 | | | 012 | | | | | | | | | |
| 1,4 | | | 014 | | | | | | | | | |
| 1,5 | 015 | 015 | 015 | | | | | | | | | |
| 1,6 | | | 016 | | | | | | | | | |
| 1,8 | | | 018 | | | | | | | | | |
| 2,0 | 020 | 020 | 020 | 020 | | | | | 020 | | | |
| 2,2 | | | 022 | | | | | | | | | |
| 2,4 | | | 024 | | | | | | | | | |
| 2,5 | 025 | 025 | 025 | 025 | | | | | 025 | | | |
| 2,6 | | | 026 | | | | | | | | | |
| 2,8 | | | 028 | | | | | | | | | |
| 3,0 | 030 | 030 | 030 ¹⁾ | 030 | | | | | 030 | | | 030 |
| 3,2 | | | 032 | | | | | | | | | |
| 3,4 | | | 034 | | | | | | | | | |
| 3,5 | 035 | 035 | 035 | 035 | | | | | 035 | | | |
| 3,6 | | | 036 | | | | | | | | | |
| 3,8 | | | 038 | | | | | | | | | |
| 4,0 | 040 | 040 | 040 ¹⁾ | 040 | | | | | 040 ¹⁾ | | | 040 |
| 4,5 | 045 | 045 | 045 | 045 | | | | | 045 | | | |
| 5,0 | 050 | 050 | 050 ¹⁾ | 050 | | | | | 050 | | | 050 |
| 5,5 | | 055 | 055 | 055 | | | | | 055 | | | |
| 5,6 | | | 056 | | | | | | | | | |
| 6,0 | | 060 | 060 ¹⁾ | 060 ¹⁾ | | | | | 060 ¹⁾ | | | 060 |
| 6,3 | | | 063 | | | | | | | | | |
| 6,5 | | 065 | 065 | 065 | | | | | 065 | | | |
| 7,0 | | 070 | 070 ¹⁾ | 070 | | | | | 070 | | | 070 |
| 7,1 | | | 071 | | | | | | | | | |
| 7,5 | | | 075 | | | | | | 075 | | | |
| 8,0 | | | 080 ¹⁾ | 080 ¹⁾ | | | | | 080 ¹⁾ | | | 080 |
| 8,5 | | | 085 | | | | | | 085 | | | |
| 9,0 | | | 090 | | | | | | 090 | | | 090 |
| 9,5 | | | 095 | | | | | | 095 | | | |
| 10,0 | | | 100 ¹⁾ | 100 ¹⁾ | | | | | 100 ¹⁾ | | | 100 |
| 10,5 | | | | | | | | | 105 | | | |
| 11,0 | | | | | | | | | 110 | | | 110 |
| 11,5 | | | | | | | | | 115 | | | |
| 12,0 | | | | | | | | | 120 ¹⁾ | | | 120 |
| 12,5 | | | | | | | | | 125 | | | |
| 13,0 | | | | | | | | | 130 | | | 130 |
| 13,5 | | | | | | | | | 135 | | | |
| 14,0 | | | | | | | | | 140 ¹⁾ | | | 140 |
| 14,5 | | | | | | | | | 145 | | | |
| 15,0 | | | | | | | | | 150 | | | 150 |
| 15,5 | | | | | | | | | 155 | | | |
| 16,0 | | | | | | | | | 160 ¹⁾ | | | 160 |
| 17,0 | | | | | | | | | 170 | | | 170 |
| 18,0 | | | | | | | | | 180 | | | 180 |
| 19,0 | | | | | | | | | 190 | | | 190 |
| 20,0 | | | | | | | | | 200 ¹⁾ | | | 200 |
| 21,0 | | | | | | | | | | | | 210 |
| 22,0 | | | | | | | | | | | | 220 |
| 23,0 | | | | | | | | | | | | 230 |
| 24,0 | | | | | | | | | | | | 240 |
| 25,0 | | | | | | | | | | | | 250 |
| 26,0 | | | | | | | | | | | | 260 |
| Set in wooden box | | | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 | 999 |

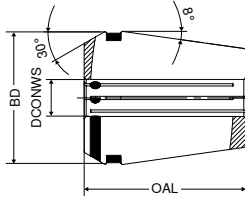
1) Included in the set

i Clamping range covered: H10 corresponding to shank Ø DCONWS

ER precision collet, sealed, for precision collet chuck

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ Coloured ring as identification of precision collet
- ▲ $p_{max.} = 120 \text{ bar}$

| | |
|--------------------|--------------------------------|
| Centro-P Coated | ER-A 2 μm |
|--------------------|--------------------------------|



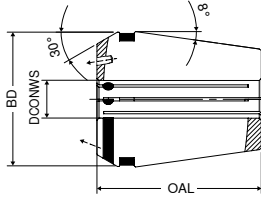
| | | | | |
|---------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------------|
| BD = 11,3 OAL = 18 425 E / ER11 | BD = 16,7 OAL = 27,5 425 E / ER16 | BD = 25,7 OAL = 34 429 E / ER25 | BD = 32,7 OAL = 40 469 E / ER32 | BD = 40,7 OAL = 46 471 E / ER40 |
|---------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------------|

| DCONWS mm | Article no. 84 536 ... | Article no. 84 537 ... | Article no. 84 538 ... | Article no. 84 539 ... | Article no. 84 540 ... |
|--------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | 3 | 030 | 030 | 030 | 030 |
| 4 | 040 | 040 | 040 | 040 | |
| 5 | 050 | 050 | 050 | 050 | |
| 6 | 060 | 060 | 060 | 060 | 060 |
| 7 | | 070 | 070 | 070 | |
| 8 | | 080 | 080 | 080 | 080 |
| 9 | | 090 | 090 | 090 | |
| 10 | | 100 | 100 | 100 | 100 |
| 11 | | | 110 | 110 | |
| 12 | | | 120 | 120 | 120 |
| 13 | | | 130 | 130 | |
| 14 | | | 140 | 140 | 140 |
| 15 | | | 150 | 150 | |
| 16 | | | 160 | 160 | 160 |
| 17 | | | | 170 | |
| 18 | | | | 180 | 180 |
| 19 | | | | 190 | |
| 20 | | | | 200 | 200 |
| 22 | | | | | 220 |
| 25 | | | | | 250 |

ER precision collet, sealed with coolant channels, for precision collet chuck

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ Coloured ring as identification of precision collet

| | |
|--------------------|--------------|
| Centro-P Coated | ER-A 2 µm |
|--------------------|--------------|



| | | | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|
| BD = 16,7 OAL = 27,5 425 E / ER16 | BD = 25,7 OAL = 34 429 E / ER25 | BD = 32,7 OAL = 40 469 E / ER32 | BD = 40,7 OAL = 46 471 E / ER40 |
|---|---------------------------------------|---------------------------------------|---------------------------------------|

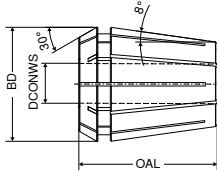
DCONWS

| mm | Article no. 84 548 ... | Article no. 84 549 ... | Article no. 84 550 ... | Article no. 84 551 ... |
|----|---------------------------|---------------------------|---------------------------|---------------------------|
| 4 | 040 | 040 | 040 | |
| 6 | 060 | 060 | 060 | |
| 8 | 080 | 080 | 080 | |
| 10 | | 100 | 100 | 100 |
| 12 | | 120 | 120 | 120 |
| 14 | | 140 | 140 | |
| 16 | | | 160 | 160 |
| 18 | | | 180 | |
| 20 | | | 200 | 200 |
| 25 | | | | 250 |

ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper collet

Coated **ER-B**
5 µm



| DCONWS | BD = 11,5 OAL = 18 4008 E / ER11 | | BD = 17 OAL = 27,5 426 E / ER16 | | BD = 21 OAL = 31,5 428 E / ER20 | | BD = 26 OAL = 34 430 E / ER25 | | BD = 33 OAL = 40 470 E / ER32 | | BD = 41 OAL = 46 472 E / ER40 | |
|-------------------|--|---------------------------|---------------------------------------|---------------------------|---------------------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|---------------------------|-------------------------------------|---------------------------|
| | Article no. 84 576 ... | Article no. 84 578 ... | Article no. 84 579 ... | Article no. 84 580 ... | Article no. 84 581 ... | Article no. 84 582 ... | Article no. 84 581 ... | Article no. 84 582 ... | Article no. 84 581 ... | Article no. 84 582 ... | Article no. 84 581 ... | Article no. 84 582 ... |
| mm | | | | | | | | | | | | |
| 1,0 | 010 | 010 | 010 ¹⁾ | 010 ¹⁾ | 010 ¹⁾ | | | | | | | |
| 1,5 | 015 | 015 ¹⁾ | 015 ¹⁾ | 015 ¹⁾ | 015 ¹⁾ | | | | | | | |
| 2,0 | 020 | 020 | 020 | 020 | 020 | | | | 020 ¹⁾ | | | |
| 2,5 | 025 | 025 ¹⁾ | 025 ¹⁾ | 025 ¹⁾ | 025 | | | | 025 ¹⁾ | | | |
| 3,0 | 030 | 030 | 030 | 030 | 030 | | | | 030 | | | 030 ¹⁾ |
| 3,5 | 035 | | | | | | | | | | | |
| 4,0 | 040 | 040 | 040 | 040 | 040 | | | | 040 | | | 040 |
| 4,5 | 045 | | | | | | | | | | | |
| 5,0 | 050 | 050 | 050 | 050 | 050 | | | | 050 | | | 050 |
| 5,5 | 055 | | | | | | | | | | | |
| 6,0 | 060 | 060 | 060 | 060 | 060 | | | | 060 | | | 060 |
| 6,5 | 065 | | | | | | | | | | | |
| 7,0 | 070 | 070 | 070 | 070 | 070 | | | | 070 | | | 070 |
| 8,0 | | 080 | 080 | 080 | 080 | | | | 080 | | | 080 |
| 9,0 | | 090 | 090 | 090 | 090 | | | | 090 | | | 090 |
| 10,0 | | 100 | 100 | 100 | 100 | | | | 100 | | | 100 |
| 11,0 | | | 110 | 110 | 110 | | | | 110 | | | 110 |
| 12,0 | | | 120 | 120 | 120 | | | | 120 | | | 120 |
| 13,0 | | | 130 | 130 | 130 | | | | 130 | | | 130 |
| 14,0 | | | | | | | | | 140 | | | 140 |
| 15,0 | | | | | | | | | 150 | | | 150 |
| 16,0 | | | | | | | | | 160 | | | 160 |
| 17,0 | | | | | | | | | 170 | | | 170 |
| 18,0 | | | | | | | | | 180 | | | 180 |
| 19,0 | | | | | | | | | 190 | | | 190 |
| 20,0 | | | | | | | | | 200 | | | 200 |
| 21,0 | | | | | | | | | | | | 210 |
| 22,0 | | | | | | | | | | | | 220 |
| 23,0 | | | | | | | | | | | | 230 |
| 24,0 | | | | | | | | | | | | 240 |
| 25,0 | | | | | | | | | | | | 250 |
| 26,0 | | | | | | | | | | | | 260 |
| Set in wooden box | 999 | 999 | 999 | 999 | 999 | | | | 999 | | | 999 |

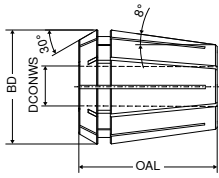
1) Not included in the set

i Clamping range covered: up to Ø 2 mm = 0.5 mm, from Ø 2.5 mm = 1 mm

ER collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper clamping

ER-B
10 µm



| | | | |
|---|---------------------------------------|-------------------------------------|-------------------------------------|
| BD = 8,5 OAL = 13,6 4004 E / ER08 | BD = 17 OAL = 27,5 426 E / ER16 | BD = 26 OAL = 34 430 E / ER25 | BD = 33 OAL = 40 470 E / ER32 |
|---|---------------------------------------|-------------------------------------|-------------------------------------|

DCONWS

mm

| | Article no. 84 574 ... | Article no. 83 665 ... | Article no. 83 667 ... | Article no. 83 668 ... |
|-------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 1,0 | 010 ¹⁾ | 010 | | |
| 1,0 | | 020 | 020 | |
| 1,5 | 015 ¹⁾ | | | |
| 2,0 | | 020 | 020 | |
| 2,0 | 020 ¹⁾ | | | |
| 2,5 | 025 ¹⁾ | | | |
| 3,0 | 030 ¹⁾ | | | |
| 3,0 | | 030 | 030 | 030 |
| 3,5 | 035 ¹⁾ | | | |
| 4,0 | 040 ¹⁾ | | | |
| 4,0 | | 040 | 040 | 040 |
| 4,5 | 045 ¹⁾ | | | |
| 5,0 | 050 ¹⁾ | | | |
| 5,0 | | 050 | 050 | 050 |
| 6,0 | | 060 | 060 | 060 |
| 7,0 | | 070 | 070 | 070 |
| 8,0 | | 080 | 080 | 080 |
| 9,0 | | 090 | 090 | 090 |
| 10,0 | | 100 | 100 | 100 |
| 11,0 | | | 110 | 110 |
| 12,0 | | | 120 | 120 |
| 13,0 | | | 130 | 130 |
| 14,0 | | | 140 | 140 |
| 15,0 | | | 150 | 150 |
| 16,0 | | | 160 | 160 |
| 17,0 | | | | 170 |
| 18,0 | | | | 180 |
| 19,0 | | | | 190 |
| 20,0 | | | | 200 |
| Set in wooden box | 999 ¹⁾ | | | |

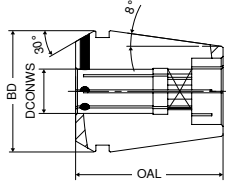
1) Type Coated - coated collet

i Clamping range covered: up to Ø 2 mm = 0.5 mm, from Ø 3 mm = 1 mm

ER precision tap collet

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ For Centro-P and standard collet chucks
- ▲ $p_{max.} = 120 \text{ bar}$

Coated ER-A
10 μm



DCONWS

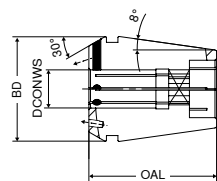
| mm |
|------|
| 2,8 |
| 3,5 |
| 4,0 |
| 4,5 |
| 6,0 |
| 7,0 |
| 8,0 |
| 9,0 |
| 10,0 |
| 11,0 |
| 12,0 |
| 14,0 |
| 16,0 |
| 18,0 |
| 20,0 |

| BD = 16,7 OAL = 27,5 4031 E / ER16 | BD = 25,7 OAL = 34 4282 E / ER25 | BD = 32,7 OAL = 40 4537 E / ER32 |
|--|---|---|
| Article no. 84 531 ... | Article no. 84 533 ... | Article no. 84 534 ... |
| 028 | | |
| 035 | 035 | |
| 040 | 040 | 040 |
| 045 | 045 | 045 |
| 060 | 060 | 060 |
| 070 | 070 | 070 |
| 080 | 080 | 080 |
| 090 | 090 | 090 |
| | 100 | 100 |
| | 110 | 110 |
| | 120 | 120 |
| | 140 | 140 |
| | 160 | 160 |
| | | 180 |
| | | 200 |

ER precision collet, sealed with coolant channels

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ For Centro-P and standard collet chucks

Coated ER-A
10 μm



DCONWS

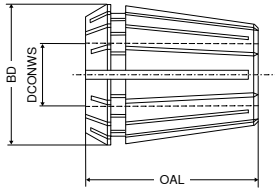
| mm |
|------|
| 3,5 |
| 4,5 |
| 6,0 |
| 7,0 |
| 8,0 |
| 9,0 |
| 10,0 |
| 11,0 |
| 12,0 |
| 14,0 |
| 16,0 |
| 18,0 |
| 20,0 |

| BD = 16,7 OAL = 27,5 4537 E / ER16 | BD = 25,7 OAL = 34 4537 E / ER25 | BD = 32,7 OAL = 40 4537 E / ER32 |
|--|---|---|
| Article no. 84 567 ... | Article no. 84 568 ... | Article no. 84 569 ... |
| 035 | | |
| 045 | 045 | 045 |
| 060 | 060 | 060 |
| 070 | 070 | 070 |
| 080 | 080 | 080 |
| | 090 | 090 |
| | 100 | 100 |
| | 110 | 110 |
| | 120 | 120 |
| | 140 | 140 |
| | | 160 |
| | | 180 |
| | | 200 |

ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ Double taper collet
- ▲ 16 times slotted

ER-B
20 µm



| DCONWS mm | BD = 17 OAL = 27,5 426 E / ER16 | BD = 21 OAL = 31,5 428 E / ER20 | BD = 26 OAL = 34 430 E / ER25 | BD = 33 OAL = 40 470 E / ER32 | BD = 41 OAL = 46 472 E / ER40 |
|-------------------|---------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | Article no. 82 673 ... | Article no. 82 674 ... | Article no. 82 675 ... | Article no. 82 676 ... | Article no. 82 677 ... |
| 1 | 01000 | 01000 ¹⁾ | | | |
| 2 | 02000 | 02000 ¹⁾ | 02000 ¹⁾ | | |
| 3 | 03000 | 03000 | 03000 | 03000 | 03000 |
| 4 | 04000 | 04000 | 04000 | 04000 | 04000 |
| 5 | 05000 | 05000 | 05000 | 05000 | 05000 |
| 6 | 06000 | 06000 | 06000 | 06000 | 06000 |
| 7 | 07000 | 07000 | 07000 | 07000 | 07000 |
| 8 | 08000 | 08000 | 08000 | 08000 | 08000 |
| 9 | 09000 | 09000 | 09000 | 09000 | 09000 |
| 10 | 10000 | 10000 | 10000 | 10000 | 10000 |
| 11 | | 11000 | 11000 | 11000 | 11000 |
| 12 | | 12000 | 12000 | 12000 | 12000 |
| 13 | | 13000 | 13000 | 13000 | 13000 |
| 14 | | | 14000 | 14000 | 14000 |
| 15 | | | 15000 | 15000 | 15000 |
| 16 | | | 16000 | 16000 | 16000 |
| 17 | | | | 17000 | 17000 |
| 18 | | | | 18000 | 18000 |
| 19 | | | | 19000 | 19000 |
| 20 | | | | 20000 | 20000 |
| 21 | | | | | 21000 |
| 22 | | | | | 22000 |
| 23 | | | | | 23000 |
| 24 | | | | | 24000 |
| 25 | | | | | 25000 |
| 26 | | | | | 26000 |
| Set in wooden box | 99900 | 99900 | 99900 | 99900 | 99900 |

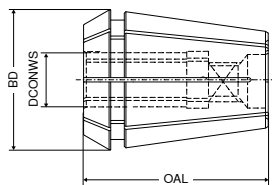
1) Not included in the set

i Clamping range covered: up to Ø 3 mm = 0.5 mm, from Ø 4 mm = 1 mm

ER collet with internal square

- ▲ DIN ISO 15488-A (old DIN 6499-A)
- ▲ 8 times slotted
- ▲ Double taper collets for holding taps on synchronised spindle machines, without compensating lengths

ER-A
15 µm



| BD = 25,7 OAL = 34 430 E / ER25 | BD = 32,7 OAL = 40 470 E / ER32 | BD = 40,7 OAL = 46 472 E / ER40 |
|---|---|---|
| Article no. 82 650 ... | Article no. 82 651 ... | Article no. 82 652 ... |
| 04500 | 04500 | |
| 05500 | 05500 | |
| 06000 | 06000 | |
| 07000 | 07000 | 07000 |
| 08000 | 08000 | 08000 |
| 09000 | 09000 | 09000 |
| 10000 | 10000 | 10000 |
| 11000 | 11000 | 11000 |
| 12000 | 12000 | 12000 |
| | 14000 | 14000 |
| | 16000 | 16000 |
| | | 18000 |
| | | 20000 |

DCONWS

| mm |
|------|
| 4,5 |
| 5,5 |
| 6,0 |
| 7,0 |
| 8,0 |
| 9,0 |
| 10,0 |
| 11,0 |
| 12,0 |
| 14,0 |
| 16,0 |
| 18,0 |
| 20,0 |

Wooden boxes for collets

- ▲ For collets form A+B

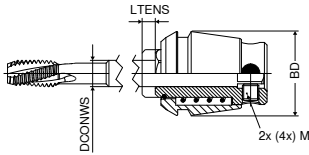


| Size | Piece | Article no. |
|---------------|-------|--------------------------|
| 4004 E / ER08 | 9 | 83 689 ... 008 |
| 4008 E / ER11 | 13 | 011 |
| 426 E / ER16 | 10 | 116 |
| 428 E / ER20 | 11 | 020 |
| 430 E / ER25 | 14 | 025 |
| 470 E / ER32 | 18 | 032 |
| 472 E / ER40 | 24 | 040 |

Tapping Collet Form ET (ER) with length compensation

- ▲ DIN ISO 15488 (old DIN 6499)
- ▲ With pull out length compensation (LTENS)
- ▲ The spring force is adapted to the thread size
- ▲ Anti-rotation by 2 and/or 4 clamping screws on the shank square drive

ER
10 µm



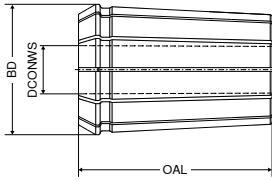
| DCONWS mm | BD = 17 LTENS = 7 426 E / ER16 | BD = 21 LTENS = 7 428 E / ER20 | BD = 26 LTENS = 8 430 E / ER25 | BD = 33 LTENS = 10 470 E / ER32 | BD = 41 LTENS = 13 472 E / ER40 |
|--------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| | Article no. 80 661 ... | Article no. 80 662 ... | Article no. 80 663 ... | Article no. 80 664 ... | Article no. 80 665 ... |
| 2,2 | 022 | 022 | | | |
| 2,5 | 025 | 025 | 025 | | |
| 2,8 | 028 | 028 | 028 | | |
| 3,0 | 030 | 030 | 030 | | |
| 3,5 | 035 | 035 | 035 | | |
| 4,0 | 040 | 040 | 040 | | |
| 4,5 | 045 | 045 | 045 | 045 | |
| 5,0 | | | | 050 | |
| 5,5 | 055 | 055 | 055 | 055 | |
| 6,0 | 060 | 060 | 060 | 060 | 060 |
| 7,0 | | 070 | 070 | 070 | 070 |
| 8,0 | | | 080 | 080 | 080 |
| 9,0 | | | 090 | 090 | 090 |
| 10,0 | | | 100 | 100 | 100 |
| 11,0 | | | | 110 | 110 |
| 12,0 | | | | 120 | 120 |
| 14,0 | | | | | 140 |
| 16,0 | | | | | 160 |

i When using CNC machines apply canned cycles with a feed rate or pitch of only 95 % with small threads and up to 99 % with large threads. In this way when reversing the rotation of the spindle an optimum length compensation in both directions is guaranteed.

OZ Precision collet for precision collet chuck

- ▲ DIN ISO 10897-B (old DIN 6388-B)
- ▲ $\varnothing = 10\text{ mm}$ 10 slots, $\varnothing > 10\text{ mm}$ 12 slots
- ▲ Double angle collets

OZ-B
3 μm **Centro-P**



BD = 35,05
OAL = 52
462 E / OZ

DCONWS

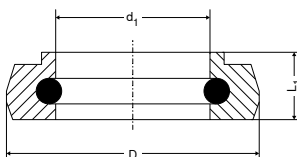
| mm | Article no. |
|----|-------------|
| 3 | 83 660 ... |
| 4 | 030 |
| 6 | 040 |
| 8 | 060 |
| 10 | 080 |
| 12 | 100 |
| 14 | 120 |
| 16 | 140 |
| 18 | 160 |
| 20 | 180 |
| 25 | 200 |
| | 250 |

i Clamping range covered: H10 corresponding to shank \varnothing DCONWS

Sealing ring for OZ Collet Chuck 462E

- ▲ For use for sealing tools with through coolant
- ▲ Seal diameter: Nominal diameter - 0.5 mm
- ▲ Use up to 150 bar

OZ-B
5 μm

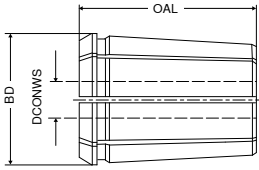


D = 31
L₁ = 4
462E

| d ₁ mm | Article no. |
|----------------------|-------------|
| 4 | 83 675 ... |
| 5 | 040 |
| 6 | 050 |
| 8 | 060 |
| 10 | 080 |
| 12 | 100 |
| 14 | 120 |
| 16 | 140 |
| 18 | 160 |
| 20 | 180 |
| 22 | 200 |
| 25 | 220 |
| | 250 |

OZ-collets

- ▲ DIN ISO 10897-B (old DIN 6388-B)
- ▲ Ø = 10 mm 10 slots, Ø > 10 mm 12 slots

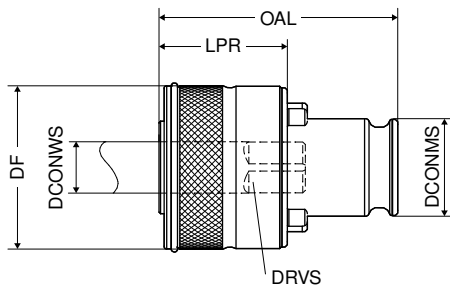


| DCONWS mm | OZ-B 6 µm | OZ-B 6 µm | OZ-B 10 µm | OZ-B 20 µm | OZ-B 20 µm | OZ-B 20 µm |
|--------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | BD = 25,5 OAL = 40 415 E / OZ | BD = 35,05 OAL = 52 462 E / OZ | BD = 43,7 OAL = 60 467 E / OZ | BD = 25,5 OAL = 40 415 E / OZ | BD = 35,05 OAL = 52 462 E / OZ | BD = 43,7 OAL = 60 467 E / OZ |
| | Article no. 83 651 ... | Article no. 83 652 ... | Article no. 83 653 ... | Article no. 82 653 ... | Article no. 82 654 ... | Article no. 82 655 ... |
| 2,0 | | | | 02000 | 02000 | |
| 2,5 | | | | 02500 | 02500 | |
| 3,0 | 030 | | | 03000 | 03000 | |
| 3,5 | | | | 03500 | 03500 | |
| 4,0 | 040 | 040 | | 04000 | 04000 | 04000 |
| 4,5 | | | | 04500 | 04500 | 04500 |
| 5,0 | 050 | 050 | | 05000 | 05000 | 05000 |
| 5,5 | | | | 05500 | 05500 | 05500 |
| 6,0 | 060 | 060 | | 06000 | 06000 | 06000 |
| 6,5 | | | | 06500 | 06500 | 06500 |
| 7,0 | | | | 07000 | 07000 | 07000 |
| 7,5 | | | | 07500 | 07500 | 07500 |
| 8,0 | 080 | 080 | | 08000 | 08000 | 08000 |
| 8,5 | | | | 08500 | 08500 | 08500 |
| 9,0 | | | | 09000 | 09000 | 09000 |
| 9,5 | | | | 09500 | 09500 | 09500 |
| 10,0 | 100 | 100 | 100 | 10000 | 10000 | 10000 |
| 10,5 | | | | 10500 | 10500 | 10500 |
| 11,0 | | | | 11000 | 11000 | 11000 |
| 11,5 | | | | 11500 | 11500 | 11500 |
| 12,0 | 120 | 120 | 120 | 12000 | 12000 | 12000 |
| 12,5 | | | | 12500 | 12500 | 12500 |
| 13,0 | | | | 13000 | 13000 | 13000 |
| 13,5 | | | | 13500 | 13500 | 13500 |
| 14,0 | | 140 | 140 | 14000 | 14000 | 14000 |
| 14,5 | | | | 14500 | 14500 | 14500 |
| 15,0 | | | | 15000 | 15000 | 15000 |
| 15,5 | | | | 15500 | 15500 | 15500 |
| 16,0 | 160 | 160 | 160 | 16000 | 16000 | 16000 |
| 16,5 | | | | | 16500 | 16500 |
| 17,0 | | | | | 17000 | 17000 |
| 17,5 | | | | | 17500 | 17500 |
| 18,0 | | 180 | 180 | | 18000 | 18000 |
| 18,5 | | | | | 18500 | 18500 |
| 19,0 | | | | | 19000 | 19000 |
| 19,5 | | | | | 19500 | 19500 |
| 20,0 | | 200 | 200 | | 20000 | 20000 |
| 20,5 | | | | | 20500 | 20500 |
| 21,0 | | | | | 21000 | 21000 |
| 21,5 | | | | | 21500 | 21500 |
| 22,0 | | | | | 22000 | 22000 |
| 22,5 | | | | | 22500 | 22500 |
| 23,0 | | | | | 23000 | 23000 |
| 23,5 | | | | | 23500 | 23500 |
| 24,0 | | | | | 24000 | 24000 |
| 24,5 | | | | | 24500 | 24500 |
| 25,0 | | 250 | 250 | | 25000 | 25000 |
| 25,5 | | | | | | 25500 |
| 26,0 | | | | | | 26000 |
| 26,5 | | | | | | 26500 |
| 27,0 | | | | | | 27000 |
| 27,5 | | | | | | 27500 |
| 28,0 | | | | | | 28000 |
| 28,5 | | | | | | 28500 |
| 29,0 | | | | | | 29000 |
| 29,5 | | | | | | 29500 |
| 30,0 | | | 300 | | | 30000 |
| 30,5 | | | | | | 30500 |
| 31,0 | | | | | | 31000 |
| 31,5 | | | | | | 31500 |
| 32,0 | | | 320 | | | 32000 |

i The collet has a clamping range of 0.5 mm (+0.1 / -0.4 mm)

Quick change tap adapter with overload clutch

- ▲ Adapter with adjustable overload clutch
- ▲ For use with taps

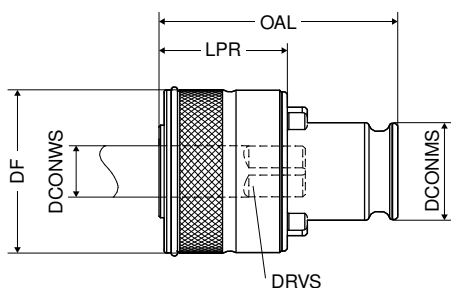


A

| SZID | DCONWS | DRVS | DIN 371 | DIN 374 / 376 | DF | DCONMS | OAL | LPR | Article no. |
|------|--------|------|--------------|---------------|----|--------|------|-----|-------------|
| | | | | | | | | | 83 612 ... |
| | mm | mm | | | mm | mm | mm | mm | |
| 01 | 2,8 | 2,1 | M2 | | 33 | 19 | 46,5 | 25 | 100 |
| 01 | 2,8 | 2,1 | M2,5 | | 33 | 19 | 46,5 | 25 | 101 |
| 01 | 3,5 | 2,7 | M3 | | 33 | 19 | 46,5 | 25 | 102 |
| 01 | 4,0 | 3,0 | M3,5 | | 33 | 19 | 46,5 | 25 | 103 |
| 01 | 4,5 | 3,4 | M4 | | 33 | 19 | 46,5 | 25 | 104 |
| 01 | 6,0 | 4,9 | M4,5 | | 33 | 19 | 46,5 | 25 | 105 |
| 01 | 6,0 | 4,9 | M5 | | 33 | 19 | 46,5 | 25 | 106 |
| 01 | 4,5 | 3,4 | | M6 | 33 | 19 | 46,5 | 25 | 107 |
| 01 | 6,0 | 4,9 | M6 | | 33 | 19 | 46,5 | 25 | 108 |
| 01 | 5,5 | 4,3 | | M7 | 33 | 19 | 46,5 | 25 | 109 |
| 01 | 7,0 | 5,5 | M7 | | 33 | 19 | 46,5 | 25 | 110 |
| 01 | 6,0 | 4,9 | | M8 | 33 | 19 | 46,5 | 25 | 111 |
| 01 | 8,0 | 6,2 | M8 | | 33 | 19 | 46,5 | 25 | 112 |
| 01 | 9,0 | 7,0 | M9 | | 33 | 19 | 46,5 | 25 | 113 |
| 01 | 7,0 | 5,5 | | M10 | 33 | 19 | 46,5 | 25 | 114 |
| 01 | 10,0 | 8,0 | M10 | | 33 | 19 | 46,5 | 25 | 115 |
| 01 | 8,0 | 6,2 | | M11 | 33 | 19 | 46,5 | 25 | 116 |
| 01 | 9,0 | 7,0 | | M12 | 33 | 19 | 46,5 | 25 | 117 |
| 02 | 6,0 | 4,9 | M4,5 - M6 | | 50 | 31 | 69,0 | 34 | 200 |
| 02 | 6,0 | 4,9 | M7 (DIN 352) | | 50 | 31 | 69,0 | 34 | 201 |
| 02 | 7,0 | 5,5 | M7 | | 50 | 31 | 69,0 | 34 | 202 |
| 02 | 6,0 | 4,9 | | M8 | 50 | 31 | 69,0 | 34 | 203 |
| 02 | 8,0 | 6,2 | M8 | | 50 | 31 | 69,0 | 34 | 204 |
| 02 | 9,0 | 7,0 | M9 | | 50 | 31 | 69,0 | 34 | 205 |
| 02 | 7,0 | 5,5 | | M10 | 50 | 31 | 69,0 | 34 | 206 |
| 02 | 10,0 | 8,0 | M10 | | 50 | 31 | 69,0 | 34 | 207 |
| 02 | 8,0 | 6,2 | | M11 | 50 | 31 | 69,0 | 34 | 208 |
| 02 | 9,0 | 7,0 | | M12 | 50 | 31 | 69,0 | 34 | 209 |
| 02 | 11,0 | 9,0 | | M14 | 50 | 31 | 69,0 | 34 | 210 |
| 02 | 12,0 | 9,0 | | M16 | 50 | 31 | 69,0 | 34 | 211 |
| 02 | 14,0 | 11,0 | | M18 | 50 | 31 | 69,0 | 34 | 212 |
| 02 | 16,0 | 12,0 | | M20 | 50 | 31 | 69,0 | 34 | 213 |

Quick change tap adapter with overload clutch, with through coolant

- ▲ Adapter with adjustable overload clutch
- ▲ For use with taps

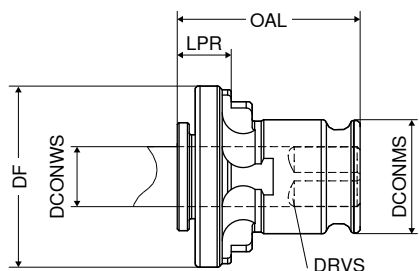


AD

| SZID | DCONWS | DRVS | DIN 371 | DIN 374 / 376 | DF | DCONMS | OAL | LPR | Article no. 83 616 ... |
|------|--------|------|-----------|---------------|----|--------|------|-----|---------------------------|
| | mm | mm | | | mm | mm | mm | mm | |
| 01 | 3,5 | 2,7 | M3 | M4,5 - M5 | 33 | 19 | 46,5 | 25 | 100 |
| 01 | 4,5 | 3,4 | M4 | M6 | 33 | 19 | 46,5 | 25 | 102 |
| 01 | 5,5 | 4,3 | | M7 | 33 | 19 | 46,5 | 25 | 104 |
| 01 | 6,0 | 4,9 | M4,5 - M6 | M8 | 33 | 19 | 46,5 | 25 | 106 |
| 01 | 7,0 | 5,5 | M7 | M10 | 33 | 19 | 46,5 | 25 | 108 |
| 01 | 8,0 | 6,2 | M8 | M11 | 33 | 19 | 46,5 | 25 | 110 |
| 01 | 9,0 | 7,0 | M9 | M12 | 33 | 19 | 46,5 | 25 | 112 |
| 01 | 10,0 | 8,0 | M10 | | 33 | 19 | 46,5 | 25 | 114 |
| 01 | 11,0 | 9,0 | | M14 | 33 | 19 | 46,5 | 25 | 116 |
| 02 | 6,0 | 4,9 | M4,5 - M6 | M8 | 50 | 31 | 69,0 | 34 | 200 |
| 02 | 7,0 | 5,5 | M7 | M10 | 50 | 31 | 69,0 | 34 | 202 |
| 02 | 8,0 | 6,2 | M8 | M11 | 50 | 31 | 69,0 | 34 | 204 |
| 02 | 9,0 | 7,0 | M9 | M12 | 50 | 31 | 69,0 | 34 | 206 |
| 02 | 10,0 | 8,0 | M10 | | 50 | 31 | 69,0 | 34 | 208 |
| 02 | 11,0 | 9,0 | | M14 | 50 | 31 | 69,0 | 34 | 210 |
| 02 | 12,0 | 9,0 | M12 | M16 | 50 | 31 | 69,0 | 34 | 212 |
| 02 | 14,0 | 11,0 | | M18 | 50 | 31 | 69,0 | 34 | 214 |
| 02 | 16,0 | 12,0 | | M20 | 50 | 31 | 69,0 | 34 | 216 |

Quick change tap adapter

- ▲ Normal version without overload clutch
- ▲ For mounting taps
- ▲ For right-hand and left-hand threads

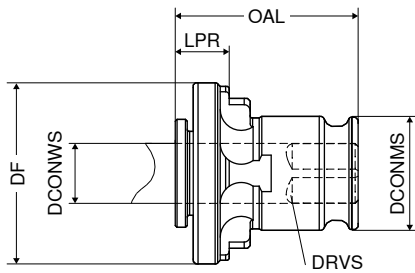


A

| SZID | DCONWS | DRVS | DIN 371 | DIN 374 / 376 | DF | DCONMS | OAL | LPR | Article no. 83 610 ... |
|------|--------|------|-----------|---------------|----|--------|------|-----|---------------------------|
| | mm | mm | | | mm | mm | mm | mm | |
| 01 | 3,5 | 2,7 | M3 | | 30 | 19 | 28,5 | 7 | 100 |
| 01 | 4,5 | 3,4 | M4 | | 30 | 19 | 28,5 | 7 | 101 |
| 01 | 4,0 | 3,0 | M3,5 | | 30 | 19 | 28,5 | 7 | 102 |
| 01 | 2,8 | 2,1 | M2 - M2,6 | | 30 | 19 | 28,5 | 7 | 103 |
| 01 | 5,5 | 4,3 | | M7 | 30 | 19 | 28,5 | 7 | 104 |
| 01 | 6,0 | 4,9 | M4,5 - M6 | M8 | 30 | 19 | 28,5 | 7 | 105 |
| 01 | 7,0 | 5,5 | M7 | M10 | 30 | 19 | 28,5 | 7 | 106 |
| 01 | 8,0 | 6,2 | M8 | M11 | 30 | 19 | 28,5 | 7 | 107 |
| 01 | 9,0 | 7,0 | M9 | M12 | 30 | 19 | 28,5 | 7 | 108 |
| 01 | 10,0 | 8,0 | M10 | | 30 | 19 | 28,5 | 7 | 109 |
| 01 | 11,0 | 9,0 | | M14 | 30 | 19 | 28,5 | 7 | 110 |
| 02 | 6,0 | 4,9 | M4,5 - M6 | | 46 | 31 | 46,0 | 11 | 200 |
| 02 | 7,0 | 5,5 | M7 | | 46 | 31 | 46,0 | 11 | 201 |
| 02 | 8,0 | 6,2 | M8 | | 46 | 31 | 46,0 | 11 | 202 |
| 02 | 9,0 | 7,0 | M9 | | 46 | 31 | 46,0 | 11 | 203 |
| 02 | 10,0 | 8,0 | M10 | | 46 | 31 | 46,0 | 11 | 204 |
| 02 | 11,0 | 9,0 | | M14 | 46 | 31 | 46,0 | 11 | 205 |
| 02 | 12,0 | 9,0 | | M16 | 46 | 31 | 46,0 | 11 | 206 |
| 02 | 14,0 | 11,0 | | M18 | 46 | 31 | 46,0 | 11 | 207 |
| 02 | 16,0 | 12,0 | | M20 | 46 | 31 | 46,0 | 11 | 208 |
| 02 | 18,0 | 14,5 | | M22 - M24 | 46 | 31 | 46,0 | 11 | 209 |

Quick change tap adapter, with through coolant

- ▲ Normal version without overload clutch
- ▲ For mounting taps
- ▲ For right-hand and left-hand threads

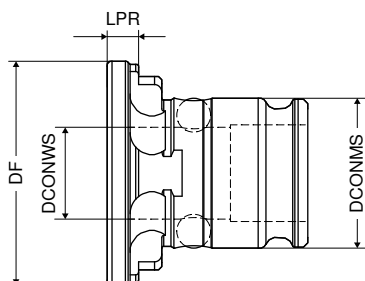


AD

| SZID | DCONWS | DRVS | DIN 371 | DIN 374 / 376 | DF | DCONMS | OAL | LPR | Article no. 83 614 ... |
|------|--------|------|-----------|---------------|----|--------|------|-----|---------------------------|
| | mm | mm | | | | | | | |
| 01 | 3,5 | 2,7 | | M4,5 - M5 | 30 | 19 | 28,5 | 7 | 100 |
| 01 | 4,5 | 3,4 | M4 | M6 | 30 | 19 | 28,5 | 7 | 102 |
| 01 | 5,5 | 4,3 | | M7 | 30 | 19 | 28,5 | 7 | 104 |
| 01 | 6,0 | 4,9 | M4,5 - M6 | M8 | 30 | 19 | 28,5 | 7 | 106 |
| 01 | 7,0 | 5,5 | | M10 | 30 | 19 | 28,5 | 7 | 108 |
| 01 | 8,0 | 6,2 | M8 | M11 | 30 | 19 | 28,5 | 7 | 110 |
| 01 | 9,0 | 7,0 | M9 | M12 | 30 | 19 | 28,5 | 7 | 112 |
| 01 | 10,0 | 8,0 | M10 | | 30 | 19 | 28,5 | 7 | 114 |
| 02 | 6,0 | 4,9 | M4,5 - M6 | M8 | 46 | 31 | 46,0 | 11 | 200 |
| 02 | 7,0 | 5,5 | M7 | M10 | 46 | 31 | 46,0 | 11 | 202 |
| 02 | 8,0 | 6,2 | M8 | M11 | 46 | 31 | 46,0 | 11 | 204 |
| 02 | 9,0 | 7,0 | M9 | M12 | 46 | 31 | 46,0 | 11 | 206 |
| 02 | 10,0 | 8,0 | M10 | | 46 | 31 | 46,0 | 11 | 208 |
| 02 | 11,0 | 9,0 | | M14 | 46 | 31 | 46,0 | 11 | 210 |
| 02 | 12,0 | 9,0 | M12 | M16 | 46 | 31 | 46,0 | 11 | 212 |
| 02 | 14,0 | 11,0 | | M18 | 46 | 31 | 46,0 | 11 | 214 |
| 02 | 16,0 | 12,0 | | M20 | 46 | 31 | 46,0 | 11 | 216 |

Reducing adapter for quick change adapters

- ▲ Reducing adapter for reducing size 02 to 01. In this way the clamping ranges can be extended to smaller sizes.

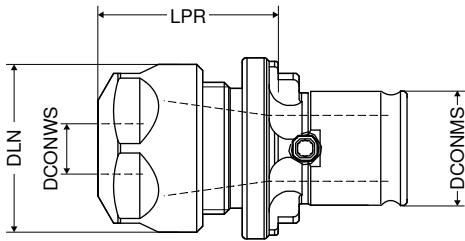


AD

| SZID | DF | DCONMS | DCONWS | LPR | Article no. 83 624 ... |
|------|----|--------|--------|-----|---------------------------|
| | mm | mm | mm | mm | |
| 02 | 46 | 31 | 19 | 8,5 | 200 |

Quick change tap adapters

▲ Adapters for collets ER 16 / ER 25

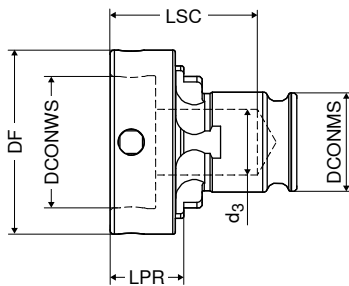


AD

| SZID | DCONWS | DLN | DCONMS | LPR | for collet | Article no. 83 618 ... |
|------|--------|-----|--------|------|------------|---------------------------|
| | mm | mm | mm | mm | | |
| 01 | 1 - 10 | 28 | 19 | 29,5 | ER 16 | 010 |
| 02 | 2 - 16 | 42 | 31 | 38,5 | ER 25 | 016 |

Quick change adapter for dies

▲ For mounting dies according to DIN 223



A

| SZID | for size | cutting range | DF | DCONMS | DCONWS | LPR | d ₃ | LSC | Article no. 83 622 ... |
|------|----------|-----------------|----|--------|--------|-----|----------------|-----|---------------------------|
| | | | mm | mm | mm | mm | mm | mm | |
| 01 | 16 x 5 | M1 - M4 | 25 | 19 | 16 | 9 | 12,5 | 23 | 116 |
| 01 | 20 x 5 | M3 - M4 | 30 | 19 | 20 | 9 | 12,5 | 23 | 120 |
| 01 | 20 x 7 | M4,5 - M6 | 30 | 19 | 20 | 11 | 12,5 | 25 | 121 |
| 01 | 25 x 9 | M7 - M9 | 35 | 19 | 25 | 14 | 12,5 | 28 | 125 |
| 01 | 30 x 11 | M10 - M11 | 40 | 19 | 30 | 16 | 12,5 | 30 | 130 |
| 01 | 38 x 10 | M12x1 - M15x1,5 | 48 | 19 | 38 | 15 | 14,2 | 29 | 138 |
| 01 | 38 x 14 | M12 - M14 | 48 | 19 | 38 | 19 | 14,2 | 33 | 139 |
| 02 | 20 x 5 | M3 - M4 | 30 | 31 | 20 | 22 | 15,0 | 57 | 220 |
| 02 | 20 x 7 | M4,5 - M6 | 30 | 31 | 20 | 22 | 15,0 | 57 | 221 |
| 02 | 25 x 9 | M7 - M9 | 35 | 31 | 35 | 22 | 15,0 | 57 | 225 |
| 02 | 30 x 11 | M10 - M11 | 40 | 31 | 30 | 22 | 22,0 | 57 | 230 |
| 02 | 38 x 10 | M12x1 - M15x1,5 | 48 | 31 | 38 | 22 | 22,0 | 57 | 238 |
| 02 | 38 x 14 | M12 - M14 | 48 | 31 | 38 | 25 | 22,0 | 60 | 239 |
| 02 | 45 x 14 | M16x1 - M20x2 | 57 | 31 | 45 | 29 | 22,0 | 64 | 245 |
| 02 | 45 x 14 | M16 - M20 | 57 | 31 | 45 | 29 | 22,0 | 64 | 246 |

Driven Tools

CERATIZIT offers an extensive range of driven tool holders to suit the turrets and machines of the leading manufacturers. There are virtually no limits to the types available. Below is a small selection of our holder portfolio.

Examples from our driven tooling range



Axial drilling and milling head



Radial drilling and milling head



Double radial drilling and milling head



Rear offset radial drilling and milling head



Double axial drilling and milling head



Offset axial drilling and milling head



Swivel head



Modular milling

Summary of machine turret manufacturers and interfaces for which CERATIZIT can supply driven tools

- ▲ Sauter
- ▲ Baruffaldi
- ▲ Diplomatic
- ▲ DIN1809
- ▲ DIN5480
- ▲ DIN5482
- ▲ Baruffaldi Toem
- ▲ Bevel gear milling
- ▲ Spline / tooth milling
- ▲ BMT (bolt on)

Technical Advice

Are you interested in our driven tools ? If so please contact your technical sales engineer who will be glad to assist you. Alternatively, you can contact our office based internal technical sales engineers who can be reached on our freephone number.

Enquiry Form

Should you have questions about driven tools you can find a detailed questionnaire on our website in the download area. Carefully complete the form and send it via e-mail or printed fax.

Modular quick-change system for driven tools

You want to optimize your setup time? CERATIZIT offers you several options!
With each axial and radial driven tool you are prepared through the exchange of different modules for different machining demands.

Varia VX

The new quick change system for heavy duty machining

The face & taper contact interface ensures maximum concentricity.
The torque is transmitted via a form-fitting polygon, which can transmit up to 200 Nm.

Clamping and releasing takes place via a segmented gear wheel equipped with 3 multifunctional cams. When tightened with a radially mounted clamping screw, the 3-point clamping pulls the tool evenly into its operating position. When releasing the tool force is applied mechanically via a sliding cam and the tool is released for removal from the adapter.



The advantages at a glance

- ▲ Cutting tools are preset off the machine
- ▲ Quick change thanks to only one clamping point
- ▲ No risk of injury when changing tools
- ▲ Transverse force-free clamping of the tools
- ▲ Safe torque transmission
- ▲ No loose parts



System Preci-Flex® – The stable solution for long tool life and high surface quality

The internal cone of the driven tool is suitable for any commercial type ER collets. Through taper & face contact ≤ 0.01 mm system concentricity and ≤ 0.005 mm repeatability is achieved and four plane-side clamp screws achieve maximum system stability and rigidity.



The program includes base holders for the collet sizes ER20, ER25, ER32, ER40 and ER50 and collet holders with male or female nut, adapters Weldon, Whistle Notch, shrink, boring bars, Shell mill arbors, hydraulic chucks, Test arbors and blanks.
Also available for static VDI holders and rotating SK and HSK holders.

Solidfix® – The quick way to change (≤ 20 seconds), a module

Solidfix® Modules can be mounted with one hand. Simply insert the module, so that twisting the security bayonet retains the module. Tighten with an allen-key through 180 ° rotation.

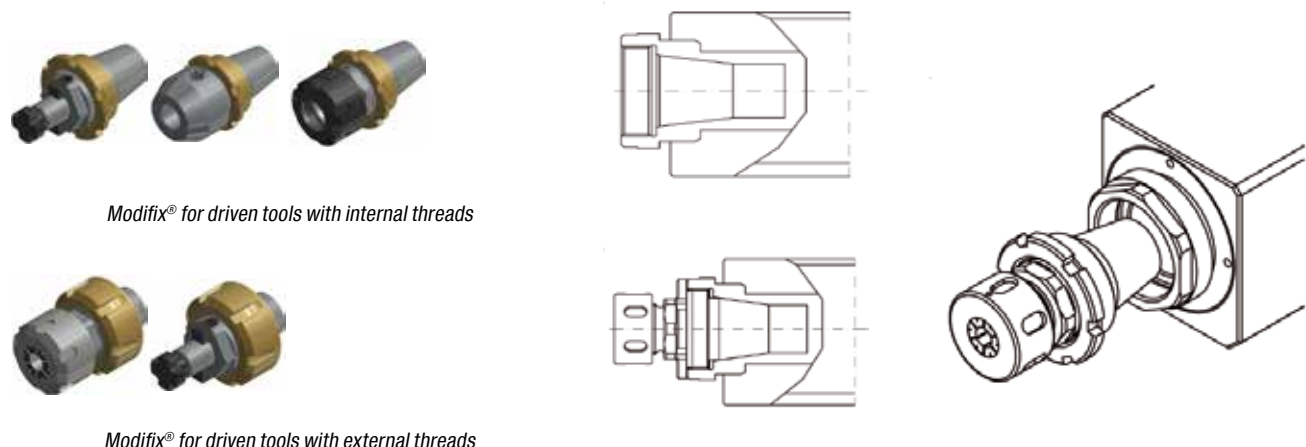
Through centering taper and large square face a concentricity of ≤ 0.005 mm is obtained at 30 mm distance from the end face.



The program includes basic holders in accordance with the collet sizes ER11M, ER16M, ER20, ER25, ER32 and ER40 and collet holders with male or female nut, Weldon, Whistle Notch, shrink, boring adapters, Shell mill arbors, hydraulic chucks, control pins, blanks and plugs. Also available for static VDI holders and rotating SK and HSK holders.

Modifix® – The universal solution for driven standard collet chucks

Modifix® adapters are available for both collet chucks with internal and external locknut. You use your existing collet holder driven units and only require the relevant Modifix® adapter. It offers high flexibility and low investment.



Modifix® for driven tools with internal threads

Modifix® for driven tools with external threads

The program includes adapters for the collet sizes ER20, ER25, ER32 and ER40. Collet holders, Weldon tool holders and Shell mill arbors are available.

Quick-Change



The tool holder range comprises both innovative and technologically proven solutions for all common CNC turning centres. We offer solutions that are perfectly tailored to the make of machine, regardless of whether the machine has a BMT, VDI or other connection type.

Every Quick-Change system has a standardised interface to DIN/ISO requirements and is available for HSK-T 40/63/100 and PSC 40/50/63 sizes. The tool change itself is carried out quickly and easily, minimising idle times and thus boosting productivity.



Tool holder single and straight



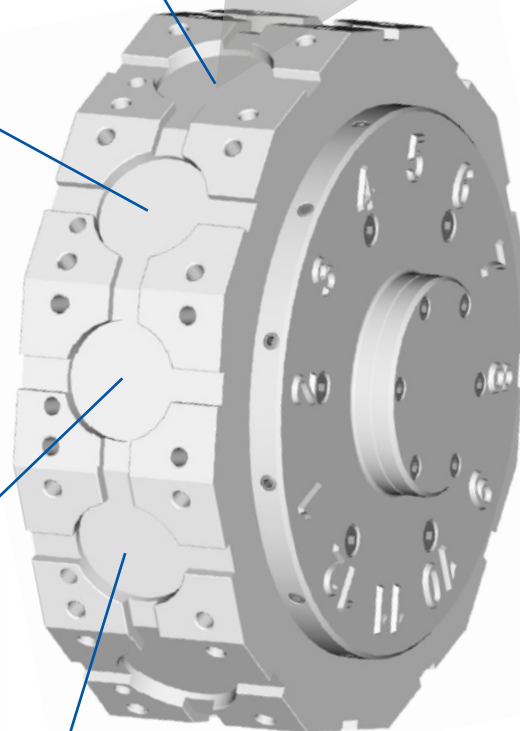
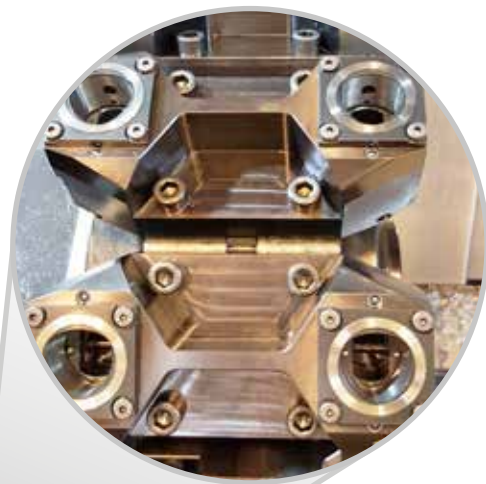
Tool holder double and straight



Single angle tool holder



Double angle tool holder

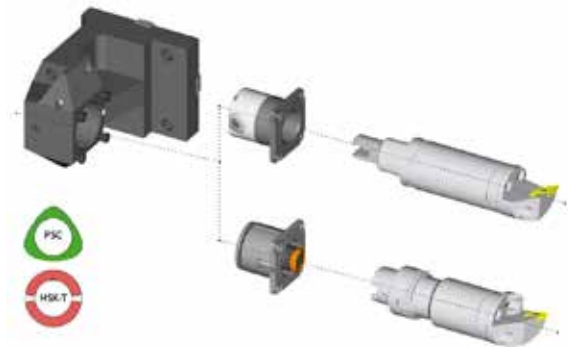


Turret BMT/VDI/...

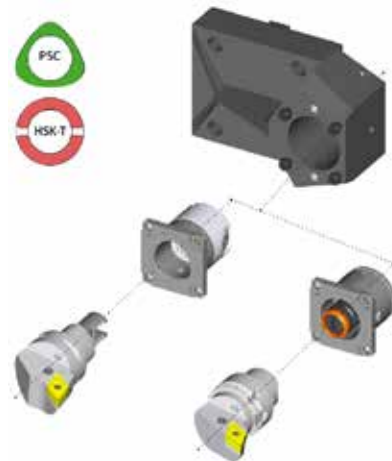
HSK/PSC clamping units

➤ The tool holders are fitted with either an HSK or PSC clamping unit.

➤ Clamping units are available in sizes HSK 40/63/100 and PSC 40/50/63.

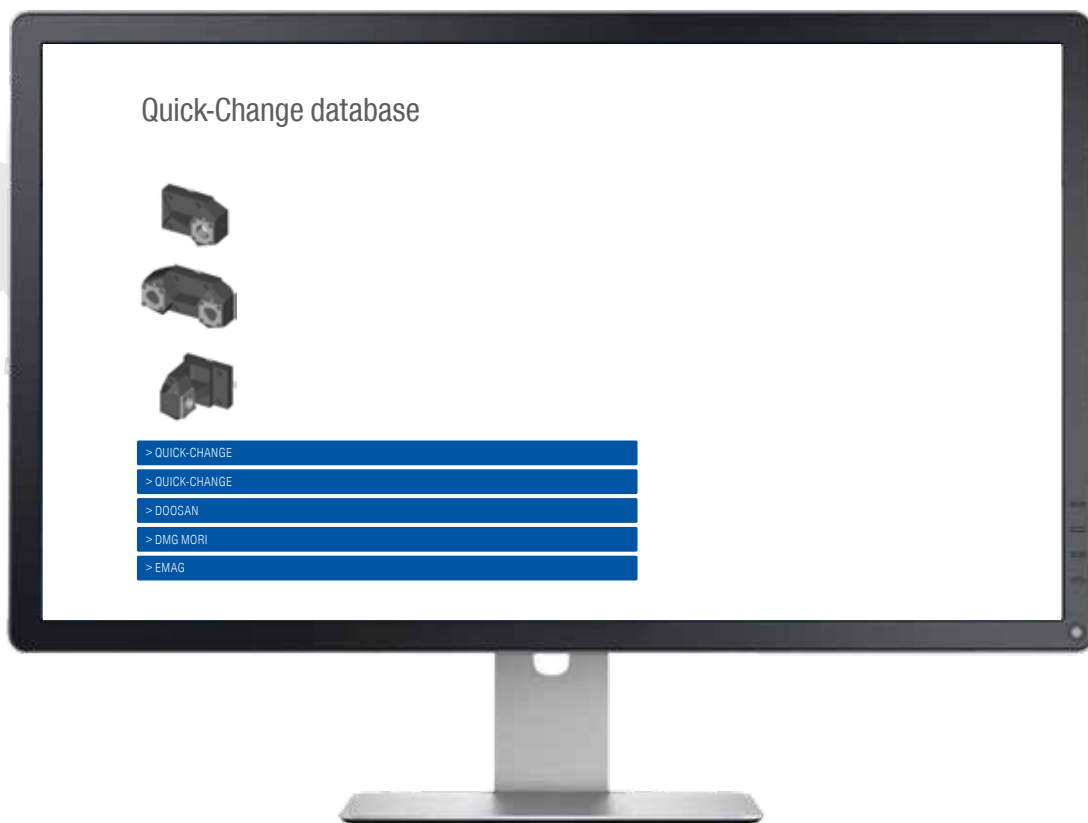


➤ The toolholders permit the flexibility to be adapted to the customer's requirements.



Online database

Our Quick-Change tool holders are individually adapted to turning machines to ensure the greatest-possible levels of flexibility and efficiency. Using the online database, systems of previously specified machine types can be evaluated in order to obtain an initial overview.



Information on enquiry process

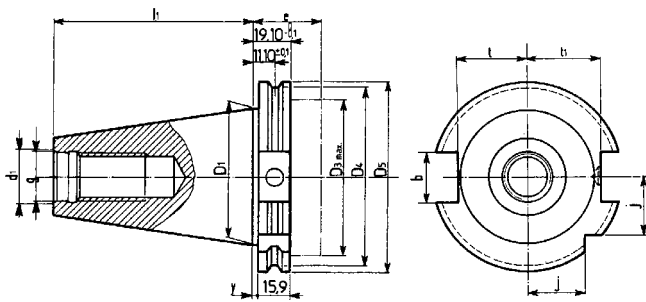
To make the enquiry process as easy as possible, please use our enquiry form to enter the most important machine data and information on the machining process. Please fill in this form carefully and send it to us via email or fax.

→ [cutting.tools/en/download](https://cuttingtools.ceratizit.com/en/download)

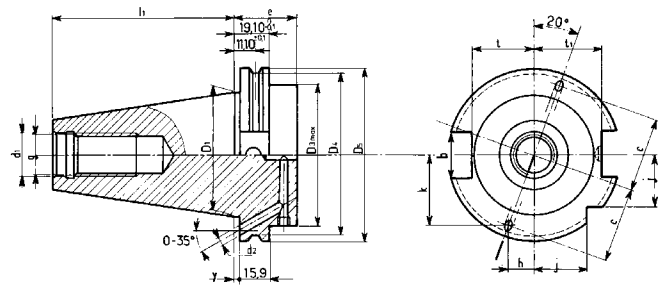
If you have any questions regarding the ordering process or the form itself, your Technical Sales Engineer will be happy to help.

Technical data for steep taper tools

DIN 69871 Form A

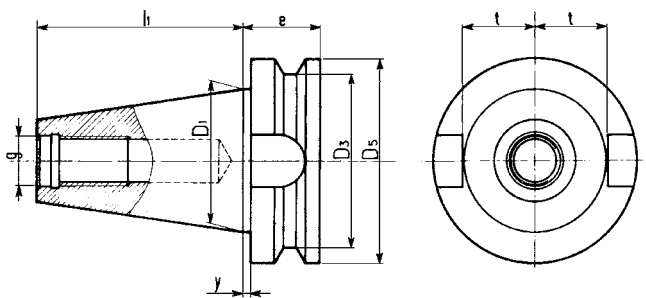


DIN 69871 Form B



| | D ₁ mm | D _{3max} mm | D ₄ mm | D ₅ mm | l _{1,0} ^{+0,2} mm | g | d ₁ ^{H7} mm | e mm | y ^{±0,1} mm | t mm | t ₁ mm | j mm | d ₂ mm | h mm | k mm | c mm | b mm | |
|--------------|----------------------|-------------------------|----------------------|----------------------|--|------|------------------------------------|---------|-------------------------|---------|----------------------|---------|----------------------|---------|---------|---------|---------|------|
| SK 30 | 31,75 | 45 | 44,30 | 50 | 47,8 | M 12 | 13 | 35 | 3,2 | 16,4 | 19 | 15 | | | | | | 16,1 |
| SK 40 | 44,45 | 50 | 56,25 | 63,55 | 68,4 | M 16 | 17 | 35 | 3,2 | 22,8 | 25 | 18,5 | 4 | 9,2 | 25,4 | 27 | | 16,1 |
| SK 50 | 69,85 | 80 | 91,25 | 97,5 | 101,75 | M 24 | 25 | 35 | 3,2 | 35,5 | 37,7 | 30 | 6 | 14,4 | 39,5 | 42 | | 25,7 |

MAS-BT

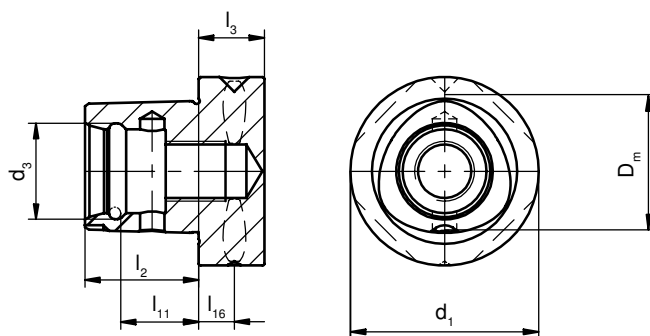


i Maximum recommended rpm for steep taper toolholders:

- SK / BT 30 to 20,000 1/min.
- SK / BT 40 to 20,000 1/min.
- SK / BT 50 to 16,000 1/min.

| | D ₁ mm | D ₃ mm | D ₅ mm | l ₁ mm | g | e mm | t mm | y mm | b mm |
|--------------|----------------------|----------------------|----------------------|----------------------|------|---------|---------|---------|---------|
| BT 30 | 31,75 | 38 | 46 | 48,4 | M 12 | 22 | 16,3 | 2 | 16,1 |
| BT 40 | 44,45 | 53 | 63 | 65,4 | M 16 | 27 | 22,5 | 2 | 16,1 |
| BT 50 | 69,85 | 85 | 100 | 101,8 | M 24 | 38 | 35,3 | 3,2 | 25,7 |

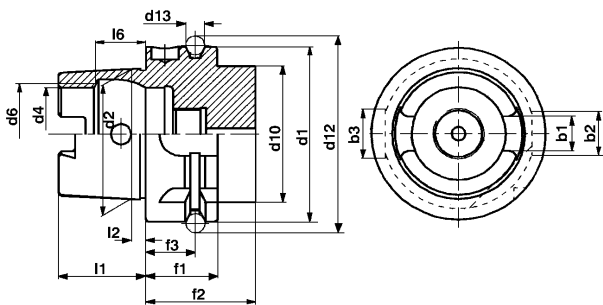
Technical Data for Polygon shank adapters



| Shank size | d ₁ mm | d ₃ ^{+0,05} mm | l ₂ ^{+0,1} mm | l ₃ mm | l ₁₁ ^{+0,1} mm | l ₁₆ mm | D _m mm |
|------------|----------------------|---------------------------------------|--------------------------------------|----------------------|---------------------------------------|-----------------------|----------------------|
| 32 | 32 | 16,5 | 19 | 15 | 13,5 | 9 | 22 |
| 40 | 40 | 20 | 24 | 20 | 17,5 | 12 | 28 |
| 50 | 50 | 24 | 30 | 20 | 22 | 12 | 35 |
| 63 | 63 | 32 | 38 | 22 | 26 | 12 | 44 |
| 80 | 80 | 38 | 48 | 30 | 34 | 12 | 55 |

Technical Data for HSK Adapters

HSK DIN 69893 A+C



i Maximum rpm recommended for HSK adapters:

HSK-A 32 to 50.000 $1/\text{min.}$
 HSK-A 40 to 42.000 $1/\text{min.}$
 HSK-A 50 to 30.000 $1/\text{min.}$
 HSK-A 63 to 25.000 $1/\text{min.}$
 HSK-A 100 to 16.000 $1/\text{min.}$

| | b ₁ mm | b ₂ mm | b ₃ mm | d ₁ mm | d ₂ mm | d ₄ mm | d ₆ mm | d ₁₀ mm | d ₁₂ mm | d ₁₃ mm | f ₁ mm | f ₂ mm | f ₃ mm | l ₁ mm | l ₂ mm | l ₆ mm |
|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| HSK 32 | 7,05 | 7 | 9 | 32 | 24 | 17 | 19 | 26 | 37 | 4 | 20 | 35 | 16 | 16 | 3,2 | 8,92 |
| HSK 40 | 8,05 | 9 | 11 | 40 | 30 | 21 | 23 | 34 | 45 | 4 | 20 | 35 | 16 | 20 | 4 | 11,42 |
| HSK 50 | 10,54 | 12 | 14 | 50 | 38 | 26 | 29 | 42 | 59,3 | 7 | 26 | 42 | 18 | 25 | 5 | 14,13 |
| HSK 63 | 12,54 | 16 | 18 | 63 | 48 | 34 | 37 | 53 | 72,3 | 7 | 26 | 42 | 18 | 32 | 6,3 | 18,13 |
| HSK 100 | 20,02 | 20 | 22 | 100 | 75 | 53 | 58 | 88 | 109,75 | 7 | 29 | 45 | 20 | 50 | 10 | 28,56 |

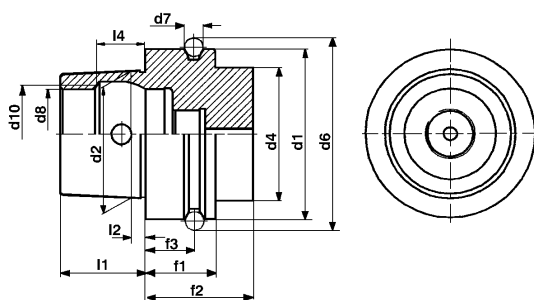
DIN 69893 Form A

- ▲ Applied for machining centres, milling and special machines with automatic tool change
- ▲ **Central axial coolant supply via the coolant pipe**
- ▲ Torque transmission via 2 driving grooves at the taper end
- ▲ 2 grooves on the flange for the tool magazine, positioning notch, bore for data storage medium DIN 69873 in the flange

DIN 69893 Form C

- ▲ Applied for machine spindles without automatic tool change as well as tool extensions and reducers
- ▲ **Central axial coolant supply via the coolant pipe**
- ▲ Torque transmission via 2 driving grooves at the taper end

HSK DIN 69893 E



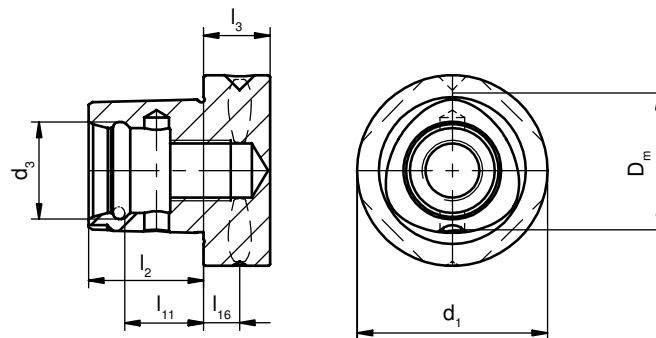
| | d ₁ mm | d ₂ mm | d ₄ mm | d ₆ mm | d ₇ mm | d ₈ mm | d ₁₀ mm | f ₁ mm | f ₂ mm | f ₃ mm | l ₁ mm | l ₂ mm | l ₄ mm |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| HSK 40 | 40 | 30 | 34 | 45 | 4 | 21 | 23 | 20 | 35 | 16 | 20 | 4 | 11,42 |
| HSK 50 | 50 | 38 | 42 | 59,3 | 7 | 26 | 29 | 26 | 42 | 18 | 25 | 5 | 14,13 |
| HSK 63 | 63 | 48 | 53 | 72,3 | 7 | 34 | 37 | 26 | 42 | 18 | 32 | 6,3 | 18,13 |

DIN 69893 Form E

- ▲ Applied for high rpm (HSC) for high speed spindles with automatic tool change
- ▲ Rotation symmetrical, without driving grooves
- ▲ Torque transmission through friction
- ▲ **Possibility of central coolant supply via coolant pipe**

Technical Information for Polygon Shank Adapters

To dimensions of ISO 26623-1



| Shank size | d_1 | d_3 $\pm 0,05$ | l_2 $\pm 0,1$ | l_3 | l_{11} $\pm 0,1$ | l_{16} | D_m |
|------------|-------|---------------------|--------------------|-------|-----------------------|----------|-------|
| 32 | 32 | 16,5 | 19 | 15 | 13,5 | 9 | 22 |
| 40 | 40 | 20 | 24 | 20 | 17,5 | 12 | 28 |
| 50 | 50 | 24 | 30 | 20 | 22 | 12 | 35 |
| 63 | 63 | 32 | 38 | 22 | 26 | 12 | 44 |
| 80 | 80 | 38 | 48 | 30 | 34 | 12 | 55 |

Advantages of the PSC interface

The repeatability of the PSC shank is ± 2 microns



The tapered polygon in conjunction with the tight tolerance provides backlash-free centering also acts as pull back. The PSC cone has very high rigidity and bending strength. The main advantages of this interface are the transmittable torque stability, the resistance against radial forces acting on the tool and the exact center height. This means high feed rates can be achieved on large material cross sections. The PSC interface is ideally suited for all machining operations such as drilling, turning and milling.

High Pressure Chuck – Ideal for the MonsterMill Solid Carbide Milling Cutters

HPC milling with optimum damping

High pressure clamping with optimum damping properties was the aim in the development of the high-pressure chuck. Here, all applications over a continuous operation test were covered over thousands of machining operations. In addition, extensive continuous pressure and positive pressure tests, and vibration measurements were carried out directly on the machine spindle.

The main technical characteristics of the high-pressure Milling Chuck are

- ▲ High damping properties
- ▲ Spindle-friendly
- ▲ Maximum stability and strength
- ▲ High holding force and torque transmission
- ▲ 3 µm radial run-out
- ▲ Balanced to G2,5 at n_{max} 25.000 1/min.
- ▲ Short tool change time
- ▲ No additional peripherals required
- ▲ MMS suitable
- ▲ Maintenance free

Clamping of shanks with flats possible with or without reduction sleeve

HSS shank DIN1835 and
Solid Carbide shank DIN6535



Clamping Force Comparison with Different Systems

This comparison shows the higher retention forces of the Milling Chuck. Especially with larger diameters high holding force is important when HPC machining so that the tool is not pulled out of the holder. Milling Chuck now offers this process reliability.

| Shank diameter in mm | 16 | 18 | 20 | 25 | 32 |
|------------------------------------|--|-----------|-----------|-----------|-----------|
| Holder Type | Maximum transmissible torque with shank tolerance h6 in Nm | | | | |
| Shrink fit adapter | 200 | 290 | 450 | 530 | 700 |
| Standard hydraulic chucks | 160 | 200 | 330 | 400 | 650 |
| High Pressure Milling Chuck | 280 - 380 | 360 - 450 | 550 - 650 | 650 - 750 | 800 - 890 |

i Minimum clamping depth the same as for hydraulic chucks



The main applications for Milling Chuck

- ▲ HPC Milling
- ▲ HSC Milling
- ▲ Hard Machining
- ▲ Drilling
- ▲ Reaming

Key Benefits

- ▲ Increased Process Security
- ▲ Longer Tool Life
- ▲ Improved Surface Quality
- ▲ Extended spindle life

Transmittable torques and static clamping torques

Static clamping moments of the CentroP collet chuck with different torque values measured at the tightening nut

| Clamping diameter (d1 h6) | 2 | 3 | 3,5 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | mm | | |
|-------------------------------|---|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| ER 16 torque moment 30 Nm | 2 | 3,5 | 5 | | | | | | | | | | | | | | | | | | | | | | | Nm | |
| ER 16 torque moment 50 Nm | | | | 12 | 20 | 30 | 45 | 60 | 72 | 80 | | | | | | | | | | | | | | | | Nm | |
| ER 25 torque moment 40 Nm | | | | 10 | 20 | 40 | | | | | | | | | | | | | | | | | | | | Nm | |
| ER 25 torque moment 75 Nm | | | | | | | 62 | 75 | 85 | 95 | | | | | | | | | | | | | | | | Nm | |
| ER 25 torque moment 90 Nm | | | | | | | | | | | 122 | 145 | 160 | 175 | 190 | 200 | | | | | | | | | | Nm | |
| ER 32 torque moment 60 Nm | | | | 20 | 30 | 40 | | | | | | | | | | | | | | | | | | | | Nm | |
| ER 32 torque moment 120 Nm | | | | | | | 75 | 90 | 110 | 120 | 135 | 150 | 160 | 180 | 190 | | | | | | | | | | | Nm | |
| ER 32 torque moment 140 Nm | | | | | | | | | | | | | | | | 220 | 240 | 260 | 280 | 300 | | | | | | Nm | |
| ER 40 torque moment 70 Nm | | | | 60 | 75 | 90 | 100 | | | | | | | | | | | | | | | | | | | Nm | |
| ER 40 torque moment 110 Nm | | | | | | | | 110 | 125 | 140 | 150 | | | | | | | | | | | | | | | Nm | |
| ER 40 torque moment 150 Nm | | | | | | | | | | | | 200 | 220 | 240 | 260 | 300 | 350 | | | | | | | | | Nm | |
| ER 40 torque moment 200 Nm | | | | | | | | | | | | | | | | | | | | | 420 | 440 | 460 | 480 | 515 | 530 | Nm |
| OZ 462 E torque moment 200 Nm | | | | 10 | 35 | 55 | 75 | 95 | 120 | 140 | 160 | 185 | 205 | 230 | 250 | 270 | 295 | 315 | 340 | | | | | | | Nm | |

Permissible transmitted torque (Md) for Hydraulic Chucks

For direct clamping

| Clamping diameter (d1 h6) | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 32 | mm |
|-------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|
| Md with shank at minimum size | 20 | 30 | 47 | 80 | 100 | 160 | 200 | 330 | 400 | 650 | Nm |
| Md with shank at maximum size | 30 | 45 | 85 | 140 | 160 | 230 | 270 | 400 | 470 | 730 | Nm |

For clamping with reduction Ø 32 mm

| Clamping diameter (d1 h6) | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | mm |
|-------------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|----|
| Md with shank at minimum size | 30 | 45 | 60 | 120 | 120 | 180 | 220 | 250 | 330 | Nm |
| Md with shank at maximum size | 45 | 65 | 110 | 170 | 170 | 230 | 300 | 320 | 440 | Nm |

For clamping with reduction Ø 20 mm

| Clamping diameter (d1 h6) | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | mm |
|-------------------------------|----|----|----|----|----|-----|-----|-----|-----|----|
| Md with shank at minimum size | 6 | 9 | 16 | 30 | 55 | 90 | 120 | 135 | 190 | Nm |
| Md with shank at maximum size | 10 | 12 | 22 | 40 | 75 | 120 | 150 | 170 | 260 | Nm |

For clamping with reduction Ø 12 mm

| Clamping diameter (d1 h6) | 3 | 4 | 5 | 6 | 8 | mm |
|-------------------------------|---|---|----|----|----|----|
| Md with shank at minimum size | 3 | 4 | 7 | 12 | 18 | Nm |
| Md with shank at maximum size | 4 | 8 | 12 | 20 | 26 | Nm |

Minimum shank clamping depths for hydraulic chucks

| Shank diameter | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 32 | mm |
|------------------------|----|----|----|----|----|----|----|----|----|----|----|
| Minimum clamping depth | 27 | 27 | 31 | 36 | 36 | 39 | 39 | 41 | 47 | 51 | mm |

Permissible transmitted torque (Md) for high pressure chuck

Minimum shank clamping depths for high pressure chuck

| Shank diameter | 16 | 18 | 20 | 25 | 32 | mm |
|------------------------|----|----|----|----|----|----|
| Minimum clamping depth | 39 | 39 | 41 | 47 | 51 | mm |

For direct clamping

| Clamping diameter (d1 h6) | 16 | 18 | 20 | 25 | 32 | mm |
|-------------------------------|-----|-----|-----|-----|-----|----|
| Md with shank at minimum size | 280 | 360 | 550 | 650 | 800 | Nm |
| Md with shank at maximum size | 380 | 450 | 650 | 750 | 890 | Nm |

Minimum permissible shank torques and clamping depths for shrink fit holders

| Shank diameter | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 32 | mm |
|---------------------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|----|
| Minimum clamping depth | 12 | 16 | 20 | 26 | 26 | 31 | 37 | 37 | 40 | 40 | 42 | 48 | 52 | mm |
| Permissible torque moment | 4 | 11 | 17 | 24 | 45 | 82 | 145 | 190 | 200 | 290 | 450 | 530 | 700 | Nm |

