



Schlenker
SPANNWERKZEUGE



MADE IN GERMANY

100 % MANUFACTURING DEPTH

MAXIMUM FLEXIBILITY

PRODUCT CATALOG

Collet chucks » Guide bushes » Clamping sleeves » Bearings » Spindle reducers » Customized solutions

■ MADE
■ IN
■ GERMANY



DRIVEN BY AMIBITION WITH ZERO COMPROMISE!

Our courage to adhere to uncompromisable high quality standards can be traced through Schlenker's 60 year company history.

After graduate engineer Dipl.-Ing. Josef Meißner took over the company in 1986, it was his vision that kept Schlenker faithful to its roots.

Unimpressed by the production relocations to foreign countries by other German companies, Schlenker maintained reliance on Gernay as it's sole business location. True

to this vision, in 1990 they constructed an expansive new facility in the industrial area of Schwennigen.

When Josef Meißner died in 1999, his wife Inge took over the management of the company and she continued to drive success for Schlenker in the same spirit as her husband. Their daughter Britta Hoffman joined the comany in 2006 after completing her engineering studies and gathering work experience at home and abroad. She has been running the Schlenker company as its

manager since 2008. Today, Schlenker ranks as one of the technological leaders in the clamping tool (workholding) market, and is, above all, continuously concentrating on the expansion of customer-specific business and innovative product solutions. A team of more than 70 qualified and motivated employees stand ready to successfully design and manufacture these exceptional products.

**Welcome
to Schlenker!**

QUALITY - MADE IN GERMANY!

The quality of our products and Schlenker's success are inexorably linked. Even in this age of low-cost production in other countries, we rely on Germany as the sole location for our facilities.

As our customers require more specialized product solutions rather than standard products, Schlenker's engineered specialty designs are added value options for our customers. Our manufacturing process has been organized to ensure that no variants will cause delays in delivery of products to our customers.

■ MADE
■ IN
■ GERMANY

Britta Hoffmann
and Inge Meißner

Management

“Thanks to 100% manufacturing depth, you will benefit from Schlenker's application specific solutions, punctuality, and the utmost in product flexibility all combined with first-class quality!”

B. Hoffmann & Inge Meißner





VALUES FOR A VALUABLE COOPERATION!



QUALITY

➤ Far beyond the product, quality means a strict adherence to pre-defined manufacturing requirements and practices within each of our company divisions. In order to reach our goals, we make rigorous professional training and process development our top priorities.

FLEXIBILITY

➤ As a medium-sized enterprise, flexibility is an essential element of our success. This includes production facilities that are 100% vertically integrated, as well as the approach of our staff towards individual customer requirements and the awareness of market changes, and the ability to adapt, quickly.

PROMPTNESS

➤ Flat hierarchies and senior staff oversight optimize each of our processes, from initial consultation to final shipment. This also ensure the shortest and most rapid decision paths at all times.



SUCCESS - THE RESULT OF 100% IN-HOUSE MANUFACTURING

Teaming up with Schlenker means being able to rely on Schlenker's Five Strong Performance Pillars. The result of this teamwork will create the optimal product solution.

100% IN-HOUSE MANUFACTURING

➤ Maximum flexibility. Fast implementation speed. Everything from one source.

FIRST-CLASS QUALITY

➤ Competitive edge. Safety. No compromise.

INDIVIDUAL SOLUTIONS

➤ Customer-specific. Perfectly adapted. Maximum performance.

OEM EXPERTISE

➤ OEM partnership. Technological leadership. Absolute confidence.

CUSTOMER PROXIMITY

➤ Close dialog. Fast expert solutions. Innovative capacity.



THE WIDE RANGE OF APPLICATIONS OF OUR PRODUCT SOLUTIONS!



OPTION LONG COMPONENT PARTS



SMOOTH COLLET CHUCK



GUIDE BUSH



FLEXIBLE GUIDE BUSH



COLLET CHUCK WITH GROOVES



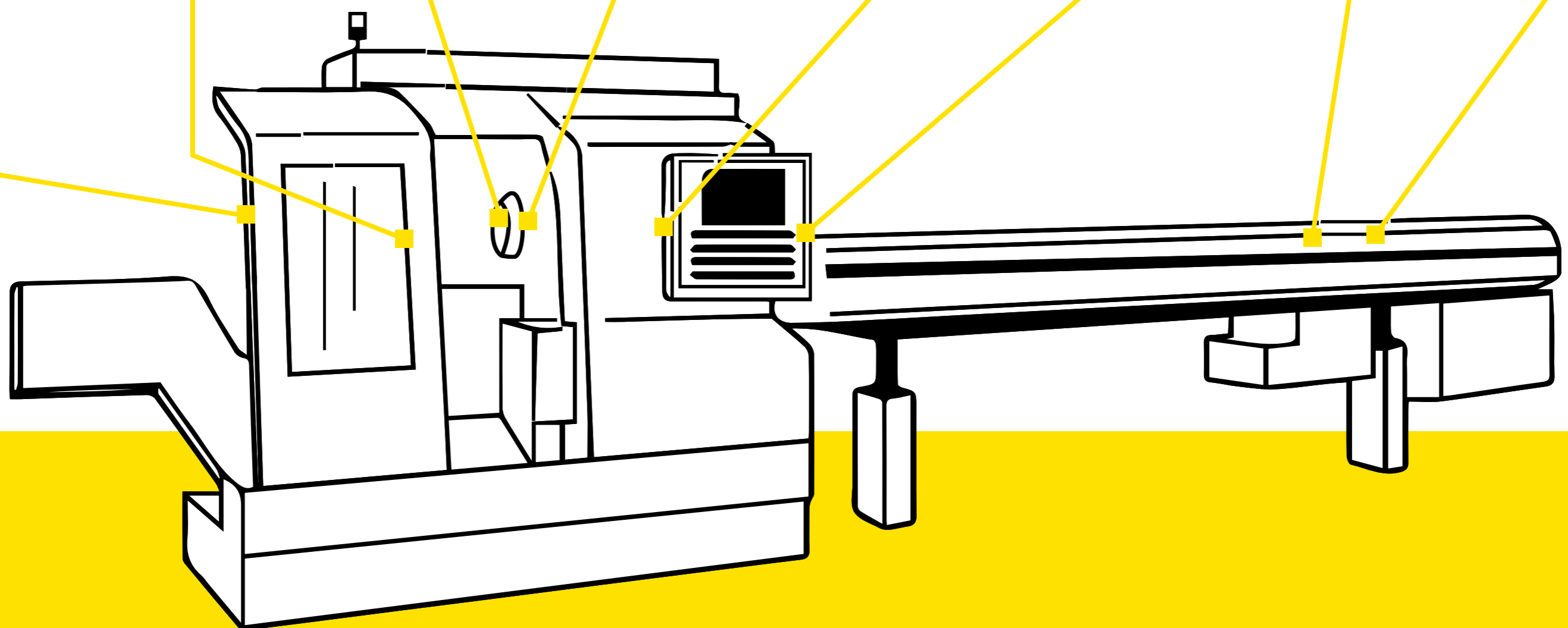
SPINDLE REDUCER



CLAMPING SLEEVE



BEARING





EXPERT PROGRAM, MAXIMUM INDIVIDUALITY!

SCHLENKER CLAMPING TOOLS.

COLLET CHUCKS



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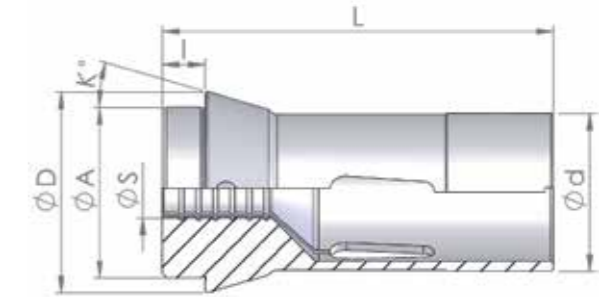
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COLLET CHUCKS

Pressure collet chucks

- Pressure collet chucks are intended for tool clamping on conventional and CNC lathes. They are used directly in the spindle or collet chuck.

- From SW8, hexagonal and square profile collet chucks come standard with transverse grooves.



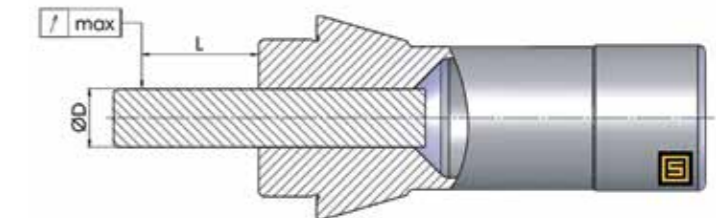
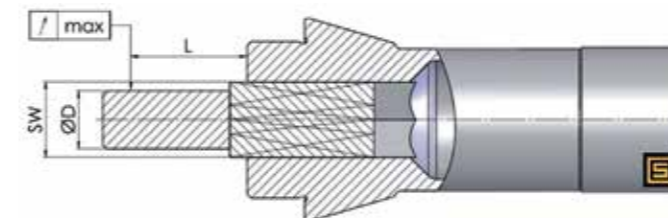
SMOOTH COLLET CHUCK

- Collet chuck does not leave any marks on already processed workpiece or workpiece still to be processed
- Collet chucks up to Ø 5.9 smooth as standard version
- Collet chucks larger than 177 E up to Ø 7.9 smooth



TRANSVERSE GROOVES

- From Ø 6, all collet chucks come standard with transverse grooves
- Collet chucks larger than 177 E from Ø 8 with transverse grooves



Schlenker collet chucks

IN ALL SIZES AND PROFILES!



| Concentricity tolerances of collet chucks with a profile | | | | | |
|--|-----|----|----------|--------------------|-------|
| SW profile | | L | Standard | Schlenker standard | |
| from | to | | | Standard | UP |
| 0.5 | 0.9 | 3 | 0.12 | <0.02 | <0.01 |
| 1 | 1.5 | 6 | 0.12 | <0.02 | <0.01 |
| 1.6 | 3 | 10 | 0.12 | <0.02 | <0.01 |
| 3.1 | 6 | 16 | 0.12 | <0.02 | <0.01 |
| 6.1 | 10 | 25 | 0.15 | <0.02 | <0.01 |
| 10.1 | 18 | 40 | 0.2 | <0.02 | <0.01 |
| 18.1 | 24 | 50 | 0.2 | <0.02 | <0.01 |
| 24.1 | 30 | 60 | 0.2 | <0.02 | <0.01 |
| 30.0 | | 80 | 0.2 | <0.02 | <0.01 |

| Concentricity tolerances of round collet chucks | | | | |
|---|-----|----|--------------------|--------|
| Bore | | L | Schlenker standard | |
| from | to | | Standard | UP |
| 0.5 | 0.9 | 3 | <0.01 | <0.005 |
| 1 | 1.5 | 6 | <0.01 | <0.005 |
| 1.6 | 3 | 10 | <0.015 | <0.008 |
| 3.1 | 6 | 16 | <0.015 | <0.008 |
| 6.1 | 10 | 25 | <0.015 | <0.008 |
| 10.1 | 18 | 40 | <0.02 | <0.01 |
| 18.1 | 24 | 50 | <0.02 | <0.01 |
| 24.1 | 30 | 60 | <0.02 | <0.01 |
| 30.0 | | 80 | <0.03 | <0.015 |

COLLET CHUCKS

Options for all collet chucks



SMOOTH

- Collet chuck does not leave any marks on already processed workpiece or workpiece still to be processed



L+Q COLLET CHUCK

- Stronger holding force than transverse grooves



SUPER GRIP

- Utmost holding force at same clamping pressure



HARD-METAL-COATED COLLET CHUCK

- Improved holding force on clamping surface



COLLET CHUCK WITH HARD-METAL INSERT

- All standard collet chucks are available with a hard-metal insert resulting in longer service life



UP VERSION

- Improved concentricity properties



BL-COATED COLLET CHUCK

- Smooth surface
- Less shadows on the material to be processed



BRASS / PLASTIC / ALUMINUM JAW COLLET CHUCK

- Prevents pressure marks on the component part
- Jaws are replaceable after wear
- Ideally suited for processing scratch-sensitive materials as well as for careful gripping



S-SLIT COLLET CHUCK

- High and uniform clamping force
- Clamping without leaving marks on the material to be processed
- Can be used alternatively for square and hexagonal material
- No dirt in the collet chuck, since the collet chuck closes almost completely
- Easy to clean after use



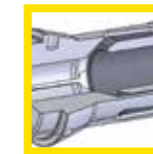
VULCANIZED COLLET CHUCK

- Improved dirt resistance



COLLET CHUCK WITH INTERNAL STOP

- For loading the machine manually at a certain length or for stabilizing the workpiece in case of a small clamping surface



COLLET CHUCK WITH INSERTION AID

- For easier insertion in case of small diameters
- Reduce vibrations



GROOVE IN CONE

- The groove is intended for aligning the collet chuck in the machine with special as well as square and hexagonal profiles



GROOVE IN SHAFT

- The groove is intended for aligning the collet chuck in the machine with special as well as square and hexagonal profiles



SQUARE COLLET CHUCK

- From SW8, hexagonal and square profile collet chucks come standard with transverse grooves



HEXAGONAL COLLET CHUCK

- From SW8, hexagonal profile collet chucks come standard with transverse grooves



SPECIAL PROFILES

- All contours feasible



SINGLE-STEPPED COLLET CHUCKS

- For clamping several diameters of a workpiece at the same time

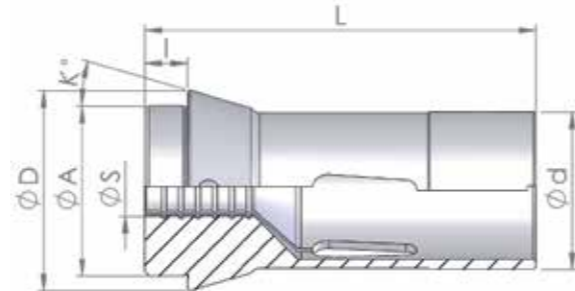


CONICAL COLLET CHUCKS

- For gripping conical workpieces

COLLET CHUCKS

Pressure collet chucks



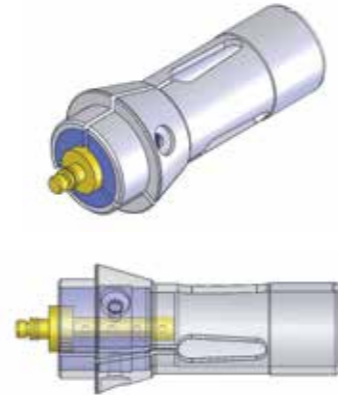
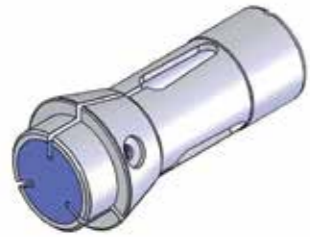
| Item | ø d [mm] | ø D [mm] | ø A [mm] | Length l [mm] | Length L [mm] | Cone K [degree] | Clamping diameter S min.-max. [mm] | | |
|----------------------------|----------|----------|----------|---------------|---------------|-----------------|------------------------------------|------------|------------|
| | | | | | | | ● | ■ | ⬡ |
| 101 E TF 8 F 8 - 577 | 8 | 12 | 8 | 5 | 42 | 16 | 0.5 - 6.5 | 1.0 - 4.0 | 1.0 - 5.0 |
| 102 E | 8 | 13.7 | 9 | 3 | 30 | 21 | 0.5 - 6.0 | 1.0 - 4.0 | 1.0 - 5.0 |
| 109 E TF 10 F 10 | 10 | 15.5 | 10 | 5.5 | 47.5 | 20 | 0.5 - 8.0 | 1.0 - 5.0 | 1.0 - 6.5 |
| 112 E | 11 | 18.7 | 12 | 6 | 41 | 22 | 0.5 - 8.0 | 1.0 - 5.0 | 1.0 - 6.5 |
| 116 E F 13 | 13 | 19 | 13 | 6 | 64 | 16 | 1.0 - 10.0 | 2.0 - 7.0 | 2.0 - 8.0 |
| 118 E | 14 | 19.5 | 15 | 6 | 46 | 15 | 0.5 - 10.5 | 2.0 - 7.0 | 2.0 - 8.0 |
| 120 E TF 15 F 15 | 15 | 21 | 15 | 6 | 64 | 16 | 0.5 - 12.7 | 2.0 - 9.0 | 2.0 - 11.0 |
| 1212 E TF 16 F 16 | 16 | 21 | 16 | 6 | 64 | 16 | 0.5 - 13.0 | 2.0 - 9.0 | 2.0 - 11.0 |
| SYF 16 M14x0.75 | 16 | 21 | 16 | 8 | 66 | 16 | 0.5 - 13.0 | 2.0 - 9.0 | 2.0 - 11.0 |
| 136 E F 20-201 | 20 | 26 | 19 | 5 | 54 | 15 | 0.5 - 16.5 | 2.0 - 11.0 | 2.0 - 14.0 |
| 138 E TF 20 F 20-87 | 20 | 28 | 21 | 7 | 67 | 16 | 0.5 - 17.0 | 2.0 - 12.0 | 2.0 - 14.0 |
| 140 E TF 22 F 22 | 22 | 30 | 21 | 6 | 55 | 15 | 0.5 - 17.0 | 2.0 - 12.0 | 2.0 - 14.0 |
| TF 24 | 23.8 | 28.1 | 21.85 | 6.7 | 62 | 15 | 0.5 - 18.5 | 2.0 - 13.0 | 2.0 - 16.0 |
| 145 E TF 25 F 25 | 25 | 35 | 27 | 10 | 77 | 16 | 0.5 - 22.0 | 2.0 - 15.0 | 2.0 - 19.0 |
| 147 E F 27-22 | 27 | 38 | 30 | 8 | 72.7 | 15 | 0.5 - 23.0 | 2.0 - 16.0 | 2.0 - 20.0 |
| 148 E F 28 | 28 | 38 | 28 | 7 | 70 | 15 | 0.5 - 23.0 | 2.0 - 16.0 | 2.0 - 20.0 |
| BS 20 | 28 | 35 | 27 | 10 | 77 | 16 | 0.5 - 23.0 | 2.0 - 16.0 | 2.0 - 20.0 |

| Item | ø d [mm] | ø D [mm] | ø A [mm] | Length l [mm] | Length L [mm] | Cone K [degree] | Clamping diameter S min.-max. [mm] | | |
|--------------------------|----------|----------|----------|---------------|---------------|-----------------|------------------------------------|-------------|-------------|
| | | | | | | | ● | ■ | ⬡ |
| 157 E TF 30 F 30 | 30 | 42 | 34 | 10 | 80 | 16 | 0.5 - 26.0 | 2.0 - 18.0 | 2.0 - 22.0 |
| EF 30 1446 E | 30 | 38 | 32 | 6 | 65 | 15 | 0.5 - 26.0 | 2.0 - 19.0 | 2.0 - 22.0 |
| 161 E F 32 | 32 | 45 | 34 | 8 | 75 | 15 | 1.0 - 28.0 | 2.0 - 19.0 | 2.0 - 22.0 |
| 0166 | 32 | 39.8 | 33.8 | 5.9 | 65 | 15 | 1.0 - 28.0 | 2.0 - 19.0 | 2.0 - 24.0 |
| 162 E | 35 | 43 | 34 | 7 | 70 | 15 | 1.0 - 30.0 | 2.0 - 21.0 | 2.0 - 26.0 |
| 163 E F 35 | 35 | 48 | 38 | 8 | 80 | 15 | 1.0 - 30.0 | 2.0 - 22.0 | 2.0 - 27.0 |
| EF 37 TF 37 1536 E | 37 | 47 | 40 | 10 | 92 | 16 | 1.0 - 33.0 | 2.0 - 23.0 | 2.0 - 27.0 |
| 164 E F 38 | 38.08 | 49 | 38 | 9 | 108 | 15 | 1.0 - 33.0 | 2.0 - 22.0 | 2.0 - 27.0 |
| 171 E F 42 | 42 | 55 | 42 | 9 | 94 | 15 | 1.0 - 38.0 | 4.0 - 26.0 | 4.0 - 32.0 |
| TF 43 | 42.95 | 53 | 46 | 10 | 92 | 16 | 1.0 - 39.0 | 4.0 - 27.0 | 4.0 - 33.0 |
| 173 E F 48 | 48 | 60 | 50 | 9 | 94 | 15 | 1.0 - 43.0 | 4.0 - 30.0 | 4.0 - 36.0 |
| TF 48 | 48 | 60 | 50 | 9 | 94 | 15 | 1.0 - 42.0 | 4.0 - 30.0 | 4.0 - 36.0 |
| BS 38 | 47.95 | 54.25 | 44 | 10 | 100 | 15 | 1.0 - 40.0 | 4.0 - 28.0 | 4.0 - 34.0 |
| 177 E F 58 | 58 | 70 | 60 | 9 | 94 | 15 | 3.0 - 52.0 | 4.0 - 36.0 | 4.0 - 44.0 |
| 185 E F 66 | 66 | 84 | 73 | 9 | 110 | 15 | 3.0 - 62.0 | 5.0 - 41.0 | 5.0 - 55.0 |
| 185 E - Short F66 | | 84 | 73 | 9 | 40 | 15 | 61.0 - 65.0 | | |
| 190 E F 88 | 88 | 106 | 94 | 10 | 115 | 15 | 60.0 - 80.0 | 20.0 - 56.0 | 20.0 - 69.0 |
| 193 E F 90 | 90 | 107 | | | 130 | 15 | 60.0 - 80.0 | 20.0 - 56.0 | 20.0 - 69.0 |
| 196 E F 112 | 112 | 138 | | | 120 | 15 | 24.0 - 100.0 | 30.0 - 70.0 | 30.0 - 86.0 |

COLLET CHUCKS / SPECIAL REQUIREMENTS

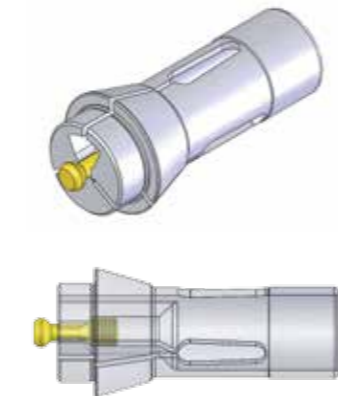
The new emergency collet chuck

- Available with different false jaws
- Collet chuck with exchangeable inserts for turning them out yourself



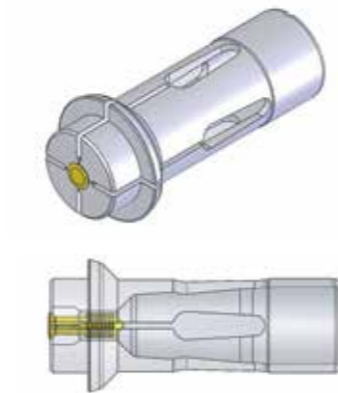
Offset-gripping collet chucks

- Collet chuck with a lateral window for inserting the workpiece



Spanning collet chucks

- Collet chuck with a larger opening path



ORDERING CUSTOM-MADE COLLET CHUCKS!

Order your collet chucks the easy way

Download the Custom Collet form from our website.

- 1 - Download the pdf data sheet.
- 2 - Check the box next to the collet chuck with the feature you require.
- 3 - Enter the desired dimensions.

According to these specifications, we will immediately produce the proper collet chuck for you.



ACHIEVING YOUR GOAL FASTER

Simply use your smartphone or tablet PC to scan the QR code.

Find form under **Downloads** at www.schlenker-spannwerkzeuge.de

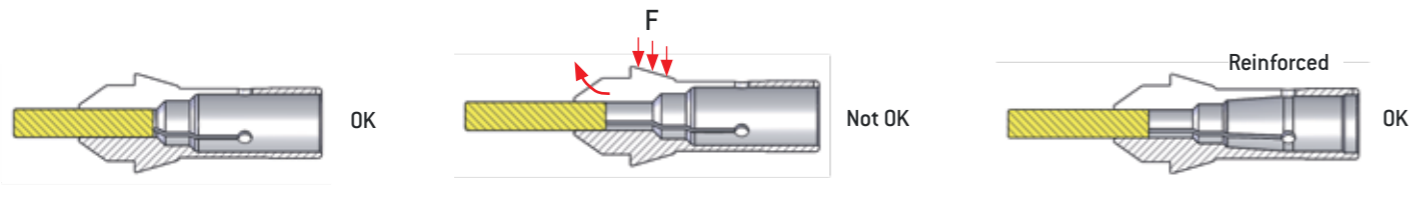


COLLET CHUCKS

Stem collet chucks

- The widening of the collet chuck causes concentricity problems and, due to the bending stress, may result in a fracture in the spring area. This occurs especially in the case of component parts which are clamped using short tools only in the front area of the collet chuck (outside the cone area).

In these cases, we therefore recommend using the reinforced version.



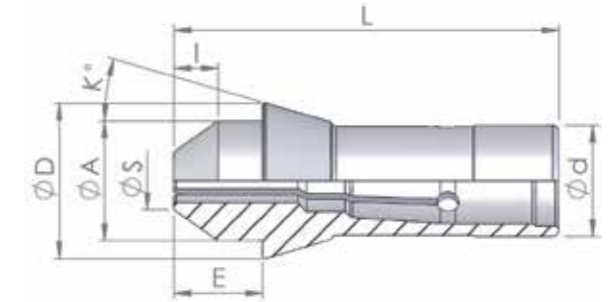
➤ Special stem versions according to customer requirements.



- In order to support the workpiece, an extended collet chuck is recommended.
- Depending on the customer requirements, the stem can be supplied in various lengths and types.



- If the workpiece is clamping only at the front outside the conical area in the collet chuck, a special Schlenker version (VBV-reinforced) is available to extend the service life of the collet chuck.



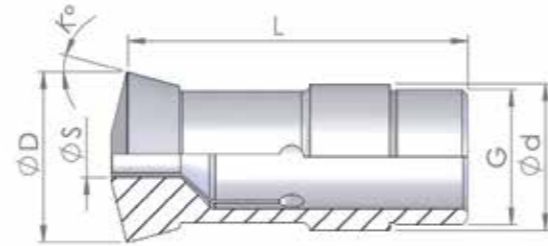
| Item | ϕd [mm] | ϕD [mm] | Length L [mm] | Stem length l [mm] | E [mm] | ϕA [mm] | Thread G* | Cone [degree] | Clamping diameter S min.-max. [mm] |
|--|------------------|------------------|------------------|--------------------------|----------|------------------|------------|------------------|---------------------------------------|
| 116 E VBV F 13 - 2014 | 13 | 19 | 70 | 6 | 12 | 13 | | 16 | 0.5 - 10.0 |
| 116 E VBV M11 x 0.75 | 13 | 19 | 70 | 6 | 12 | 13 | M11 x 0.75 | 16 | 0.5 - 10.0 |
| 120 E VBV F15 - 580 | 15 | 21 | 71 73 | 7 9 | 13 15 | 15 | | 16 | 0.5 - 12.0 |
| 120 E VBV M12 x 0.75 | 15 | 21 | 71 73 | 7 9 | 13 15 | 15 | M12 x 0.75 | 16 | 0.5 - 12.0 |
| 1212 E VBV F16 - 1076 | 16 | 21 | 71 73 | 7 9 | 13 15 | 16 | | 16 | 0.5 - 12.0 |
| 1212 E VBV F16 - 1076 M14 x 0.75 | 16 | 21 | 71 73 | 7 9 | 13 15 | 16 | M14 x 0.75 | 16 | 0.5 - 12.0 |
| 138 E VBV F20 - 87 | 20 | 28 | 78 80 | 8 13 | 15 20 | 21 | | 16 | 0.5 - 16.0 |
| 138 E VBV M17 x 0.75 | 20 | 28 | 78 80 | 8 13 | 15 20 | 21 | M17 x 0.75 | 16 | 0.5 - 16.0 |
| 136 E VBV F20 - 201 | 20 | 26 | 62 64 | 8 10 | 13 15 | 19 | | 15 | 0.5 - 16.0 |
| 136 E VBV M18 x 1 | 20 | 26 | 62 64 | 8 10 | 13 15 | 19 | M18 x 1 | 15 | 0.5 - 16.0 |
| 145 E VBV F25 - 64 | 25 | 35 | 87 92 | 10 15 | 20 25 | 27 | | 16 | 0.5 - 20.0 |
| 145 E VBV M22 x 1 | 25 | 35 | 87 92 | 10 15 | 20 25 | 27 | M22 x 1 | 16 | 0.5 - 20.0 |
| 157 E VBV F30 - 101 | 30 | 38 | 79 | 10 | 20 | 32 | | 15 | 1.0 - 26.0 |
| 163 E VBV F35 - 2010 | 35 | 48 | 100 | 19 | 27 | 38 | | 15 | 1.0 - 30.0 |
| 1536 E VBV F37 - 740 | 37 | 47 | 102 107 | 10 15 | 20 25 | 40 | | 16 | 1.0 - 32.0 |
| 164 E VBV F38 - 72 | 38.08 | 49 | 123 | 16.5 | 24.5 | 38 | | 15 | 1.0 - 32.0 |
| 173 E VBV F48 - 81 | 48 | 60 | 113 | 19 | 28 | 50 | | 15 | 2.0 - 42.0 |

* Upon request

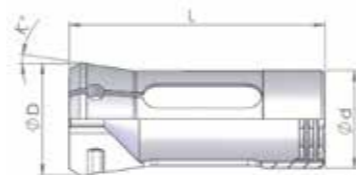
➤ All stem collet chucks are also available as non-reinforced versions

COLLET CHUCKS

Collet chucks for multi-spindle machine Series 9000

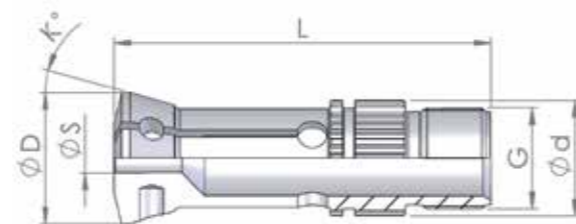


| Item | $\varnothing d$ [mm] | $\varnothing D$ [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S max. [mm] | | |
|--------|-------------------------|-------------------------|------------------|--------------------|--------------------|-------------------------------|------|------|
| | | | | | | ● | ■ | ⬡ |
| 9007 E | 32 | 41.5 | 79 | 15 | M 28 x 1 L | 19.0 | 13.0 | 16.0 |
| 9012 E | 34 | 42 | 85 | 16 | M 30 x 1 L | 20.0 | 14.0 | 17.0 |
| 9017 E | 38 | 45.5 | 90 | 16 | M 34.5 x 0.75 L | 25.0 | 17.0 | 22.0 |
| 9034 E | 41.27 | 54.64 | 130 | 15 | M 1.484" x 1/24" L | 25.0 | 17.0 | 22.0 |
| 9039 E | 46 | 62.5 | 112 | 15 | M 40 x 1.5 L | 33.0 | 24.0 | 29.0 |
| 9049 E | 46 | 60.3 | 112 | 15 | M 40 x 1.5 L | 27.0 | 18.0 | 22.0 |
| 9070 E | 53 | 69.3 | 128 | 15 | M 47 x 1.5 L | 32.0 | 23.0 | 28.0 |
| 9112 E | 62.9 | 78.3 | 147 | 15 | M 56 x 1.5 L | 40.0 | 28.0 | 35.0 |



| Item | $\varnothing d$ [mm] | $\varnothing D$ [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S max. [mm] | Clamping diameter S max. [mm] | Clamping diameter S max. [mm] |
|-----------|-------------------------|-------------------------|------------------|--------------------|-------------|-------------------------------|-------------------------------|-------------------------------|
| 9012 ETPU | 28 | 32 | 73 | 8 | | 24.0 | 17.0 | 21.0 |
| 9039 ETPU | 35.5 | 40 | 80 | 8 | | 32.0 | 22.0 | 27.0 |

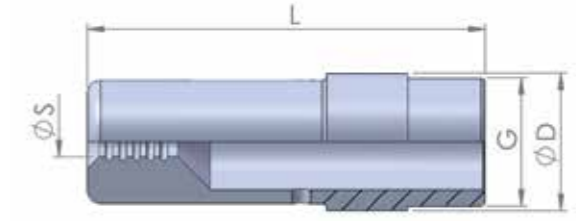
TW20



| Item | $\varnothing d$ [mm] | $\varnothing D$ [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S max. [mm] | | |
|-------|-------------------------|-------------------------|------------------|--------------------|-------------|-------------------------------|------------|------------|
| | | | | | | ● | ■ | ⬡ |
| TW 20 | 23 | 26 | 75 | 15 | M 20 x 1 | 3.0 - 15.0 | 4.0 - 10.0 | 4.0 - 12.0 |

COLLET CHUCKS

Feeding collet Series 200



| Item | $\varnothing D$ [mm] | Length L [mm] | Thread G | Clamping diameter S max. [mm] | | |
|-------|-------------------------|------------------|-------------|-------------------------------|------|------|
| | | | | ● | ■ | ⬡ |
| 207 E | 18 | 70 | M 16 x 1 L | 12.0 | 8.0 | 10.0 |
| 217 E | 21 | 70 | M 20 x 1 L | 16.0 | 11.0 | 15.0 |
| 220 E | 24 | 85 | M 22 x 1 L | 18.0 | 13.0 | 16.0 |
| 236 E | 30 | 95 | M 28 x 1 L | 24.0 | 16.0 | 21.0 |
| 237 E | 31 | 90 | M 29 x 1 L | 25.0 | 18.0 | 22.0 |
| 254 E | 42 | 116 | M 40 x 1 L | 36.0 | 25.0 | 31.0 |
| 273 E | 60 | 140 | M 58 x 1 L | 52.0 | 36.0 | 45.0 |

Feeding collets for multi-spindle machine Series 9000

| Item | $\varnothing D$ [mm] | Length L [mm] | Thread G | Clamping diameter S max. [mm] | | |
|--------|-------------------------|------------------|---------------|-------------------------------|------|------|
| | | | | ● | ■ | ⬡ |
| 9268 E | 22 | 86 | M 20 x 1 L | 16.0 | 11.0 | 14.0 |
| 9265 E | 22.8 | 98 | M 20 x 0.75 L | 16.0 | 11.0 | 14.0 |
| 9255 E | 25 | 88 | M 23 x 1 | 19.0 | 13.0 | 16.0 |
| 9258 E | 25 | 90 | M 24 x 1 L | 20.0 | 14.0 | 17.0 |
| 9282 E | 34.7 | 118 | M 33 x 1.5 | 25.0 | 18.0 | 22.0 |
| 9319 E | 41.8 | 130 | M 38 x 1.5 | 32.0 | 23.0 | 28.0 |
| 9372 E | 51 | 154 | M 48 x 1.5 | 40.0 | 28.0 | 35.0 |

Special solution for scratch-proof movements due to the use of plastic or brass jaws.



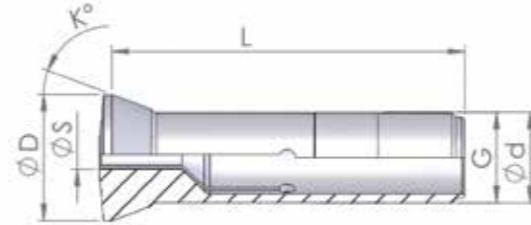
COLLET CHUCKS

Draw-in collets

- Available for workpiece clamping for all current grinding machines, dividing heads, and second-operation lathes.
- Draw-in collets are smooth as standard version.



- Clamping is ensured by the retraction of the collet chuck in its holder.



OPTIONS

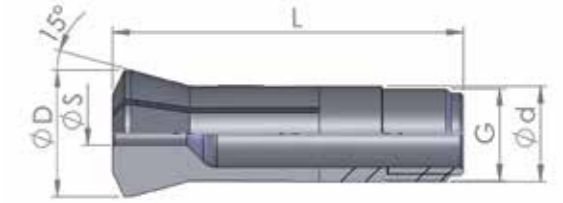
- Hard-metal-coated collet chuck
- Collet chuck with hard-metal insert
- BL-coated collet chuck
- UP version
- Square collet chuck

- Hexagonal collet chuck
- S-slit collet chuck
- Stem collet chuck (see page 18-19)
- Vulcanized collet chuck
- Smooth collet chuck

| Item | ø d [mm] | ø D [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S min.-max. [mm] | | |
|--------|----------|----------|---------------|-----------------|--|------------------------------------|------------|------------|
| | | | | | | ● | ■ | ⬡ |
| 324 E | 15 | 21.5 | 53 | 20 | M 13 x 1 | 1.0 - 13.0 | 2.0 - 6.0 | 2.0 - 8.0 |
| 3409 E | 20 | 28 | 90 | 8 | Tr. 20 x 1.5 | 2.0 - 16.0 | | |
| 351 E | 20 | 28 | 80 | 20 | Tr. 20 x 1.5 | 1.0 - 17.5 | 2.0 - 10.0 | 2.0 - 13.0 |
| 358 E | 23 | 32 | 82 | 20 | M 21 x 1 | 1.0 - 21.5 | 2.0 - 12.0 | 2.0 - 14.0 |
| 359 E | 23 | 32 | 90 | 20 | Tr. 23 x 1.5 | 1.0 - 20.0 | 2.0 - 12.0 | 2.0 - 14.0 |
| 363 E | 25 | 33.5 | 84 | 16 | M 23 x 1 | 1.0 - 22.0 | 2.0 - 12.0 | 2.0 - 15.0 |
| 366 E | 28 | 36 | 102 | 18 | Tr. 27 x 1/20° | 1.0 - 25.0 | 2.0 - 15.0 | 2.0 - 18.0 |
| 367 E | 28 | 38 | 100 | 20 | Tr. 28 x 1.5 | 1.0 - 24.0 | 2.0 - 16.0 | 2.0 - 19.0 |
| 385 E | 31.75 | 37.5 | 83 | 10 | Outside: 31.45 x 1/20° Inside: 26.44 x 1.058 | 1.0 - 26.0 | 2.0 - 18.0 | 2.0 - 22.0 |
| 386 E | 32 | 45 | 110 | 20 | Tr. 32 x 1.5 | 1.0 - 30.0 | 3.0 - 19.0 | 3.0 - 23.0 |
| 666 E | 25 | 35 | 59.5 | 20 | M 25 x 1 | 3.0 - 20.0 | | |
| K 20 | 20 | 28 | 80 | 20 | Tr. 20 x 1.5 | 2.0 - 17.5 | 2.0 - 10 | 2.0 - 13.0 |
| K 23 | 23 | 32 | 90 | 20 | Tr. 23 x 1.5 | 3.0 - 20.0 | 3.0 - 12.0 | 3.0 - 14.0 |
| K 32 | 32 | 45 | 110 | 20 | Tr. 32 x 1.5 | 4.0 - 30.0 | 4.0 - 19.0 | 4.0 - 23.0 |
| K 45 | 45 | 60 | 140 | 20 | Tr. 45 x 2 | 5.0 - 37.0 | 5.0 - 26.0 | 5.0 - 32.0 |
| KDT 38 | 58 | 70.3 | 100 | 15 | M 50 x 1.5 | 38.0 | 26.0 | 32.0 |

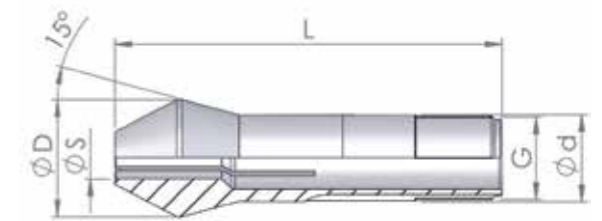
COLLET CHUCKS

Draw-in collets SW



| Item | ø d [mm] | ø D [mm] | Length L [mm] | Thread G | Clamping diameter S min.-max. [mm] | | |
|------------------------|----------|----------|---------------|----------------------------|------------------------------------|------------|------------|
| | | | | | ● | ■ | ⬡ |
| SW 12 80-2 318 E | 12 | 16 | 46 | Ø 11.75 x 1.25 45° / 5° | 0.5 - 10.0 | | |
| SW 15 80-3 321 E | 15 | 20.2 | 58.3 | Ø 14.75 x 1.25 45° / 5° | 0.5 - 16.0 | | |
| SW 20 80-4 349 E | 20 | 26.3 | 73 | Ø 19.7 x 1.666 45° / 5° | 1.0 - 19.0 | 2.0 - 10.0 | 2.0 - 12.0 |
| SW 25 80-5 364 E | 25 | 33.7 | 97.6 | Ø 24.7 x 1.693 45° / 5° | 1.0 - 19.0 | 2.0 - 10.0 | 2.0 - 12.0 |
| B 32 72-65 | 32 | 40 | 106 | Ø 29.7 x 1.693 45° / 5° | 1.0 - 24.0 | 3.0 - 16.0 | 3.0 - 20.0 |
| B 45 72-199 | 45 | 53 | 115 | M 42 x 1.5 | 5.0 - 36.0 | 5.0 - 25.0 | 5.0 - 30.0 |

Draw-in collets SW as stem version

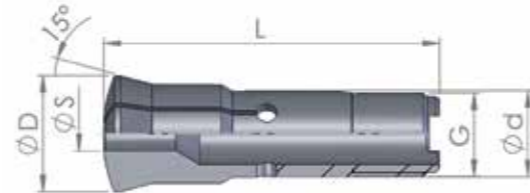


| Item | ø d [mm] | ø D [mm] | Length L [mm] | Thread G | Clamping diameter S min.-max. [mm] | | |
|-------------------------|----------|----------|---------------|----------------------------|------------------------------------|---|---|
| | | | | | ● | ■ | ⬡ |
| SW15 VB12 321 E | 15 | 20.2 | 67 | Ø 14.75 x 1.25 45° / 5° | 0.5 - 10.0 | | |
| SW20 VB15.5 349E | 20 | 26.3 | 84.5 | Ø 19.7 x 1.666 45° / 5° | 0.5 - 16.0 | | |
| SW 25 VB19.5 364E | 25 | 33.7 | 112 | Ø 24.7 x 1.693 45° / 5° | 1.0 - 19.0 | | |
| B 32 VB24 | 32 | 40 | 124 | Ø 29.7 x 1.693 45° / 5° | 1.0 - 24.0 | | |
| B32/45 VB32.5 | 32 | 53 | 148.5 | Ø 29.7 x 1.693 45° / 5° | 5.0 - 36.0 | | |

COLLET CHUCKS

Hydromat collet chucks

- » Collet chucks for rotary transfer machines (Hydromat Pfiffner, Eubama).



OPTIONS

- » Square collet chuck
- » Hexagonal collet chuck
- » S-slit collet chuck



BAYONET (QC)

- » Rapid change system with bayonet catch



SPECIAL VERSION

- » All special contours are possible upon request
- » Both sink- and wire-eroded

| Item | ø d [mm] | ø D [mm] | Length L [mm] | Thread G | Clamping diameter S min.-max. [mm] | | | Stepped bore length |
|-------------|----------|----------|---------------|--------------------------|------------------------------------|--------------|--------------|---------------------|
| | | | | | ● | ■ | ⬡ | |
| SHW 20 | 20 | 26.3 | 96.5 | Ø 19.7 x 1.666 45°/5° | 1.0 - 20.0 | 2.0 - 10.0 | 2.0 - 12.0 | 31 |
| SHW 25 | 25 | 33.7 | 97.6 | Ø 24.7 x 1.693 45°/5° | 3.0 - 25.0 | 3.0 - 12.0 | 3.0 - 15.0 | 31 |
| SHW25QC | 25 | 33.7 | 97.6 | Bayonet | 3.0 - 25.0 | 3.0 - 12.0 | 3.0 - 15.0 | 31 |
| SHB 32 | 32 | 40 | 106 | Ø 29.7 x 1.693 45°/5° | 3.0 - 28.0 | 3.0 - 19.0 | 3.0 - 24.0 | 44 |
| SHB 32QC | 32 | 40 | 106 | Bayonet | 3.0 - 28.0 | 3.0 - 19.0 | 3.0 - 24.0 | 44 |
| SHB 32 / 45 | 32 | 53 | 122 | Ø 29.7 x 1.693 45°/5° | 3.0 - 41.0 | 3.0 - 29.0 | 3.0 - 35.0 | 50 |
| SHB 45 | 45 | 53 | 115 | M 42 x 1.5 | 3.0 - 41.0 | 3.0 - 29.0 | 3.0 - 35.0 | 53 |
| SHB45QC | 45 | 53 | 116.5 | Bayonet | 3.0 - 41.0 | 3.0 - 29.0 | 3.0 - 35.0 | 53 |
| SHB 45 / 60 | 45 | 68 | 129.5 | M 42 x 1.5 | Upon request | Upon request | Upon request | |

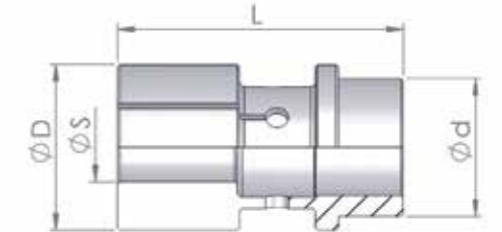


» Sleeves for Hydromat collet chucks upon request.

COLLET CHUCKS

Synchronous collet chucks

- » For index lathes.



| Item | Machine / type | ø D [mm] | ø d [mm] | Length L [mm] | Clamping diameter S min.-max. [mm] |
|--------|-----------------------------|----------|----------|---------------|------------------------------------|
| 1444 E | GS 30 | 36 | 30 | 62 | 4.0 - 30.0 |
| 1462 E | GS 42, GB 42, GB 65, GSC 42 | 48 | 30 | 62 | 4.0 - 42.0 |
| 1465 E | GS / GSC 65, GS 42 S | 62 | 30 | 94 | 6.0 - 56.0 |

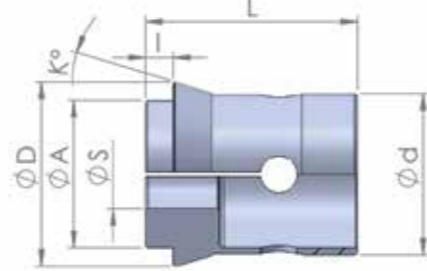
Clamping fingers



» Clamping fingers for all lathes available upon request.

COLLET CHUCKS

Grippers

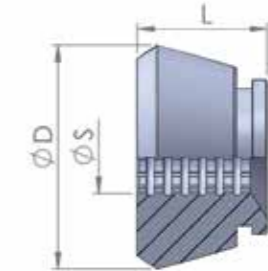


| Item | ø d [mm] | ø D [mm] | Ø A [mm] | Length l [mm] | Length L [mm] | Type | Clamping diameter S min.-max. [mm] | | |
|---------------------------|-----------------|----------|----------|---------------|---------------|---------------|------------------------------------|------------|------------|
| | | | | | | | ● | ■ | ⬡ |
| 75 - 81.1410 | Thread M 10 x 1 | 14 | 11 | 23 | 23 | Gauthier | 1.0 - 7.0 | | |
| 75 - 14.0498 | Thread M 12 x 1 | 18 | 12 | 23 | 23 | Gauthier | 1.0 - 10.0 | | |
| M 105 | 12 | 14.5 | 10.5 | 6 | 21 | Strohm | 1.0 - 8.5 | | |
| M 105 stem | 12 | 14.5 | 10.5 | Variable | Variable | Strohm | 3.0 - 8.0 | | |
| M 125 | 15 | 17 | 13 | 2 | 17 | Strohm | 1.0 - 12.0 | | |
| M 125 stem | 15 | 17 | 13 | Variable | Variable | Strohm | 1.0 - 12.0 | | |
| G694 694285 | 16 | 19 | 13 | 2.5 | 22 | Traub | 1.0 - 10.0 | | |
| M 205 | 24 | 28 | 22 | 6 | 36 | Strohm | 2.0 - 20.0 | 2.0 - 14.0 | 2.0 - 18.0 |
| 612 | 35 | 40 | 32 | 6 | 46 | TNS 28 | 1.0 - 30.0 | 2.0 - 20.0 | 2.0 - 25.0 |
| 612 M Reinforced shaft | 35 | 40 | 32 | 6 | 46 | Manurhin K'MX | 1.0 - 30.0 | 2.0 - 20.0 | 2.0 - 25.0 |
| 721 | 46 | 54.75 | 48 | 6 | 65 | TNS 30 / 42 | 1.0 - 42.0 | | |
| 722 | 44.4 | 55 | 42 | 8.5 | 64 | | 3.0 - 37.0 | | |
| 952 | 61.5 | 71.5 | 62 | 6 | 65 | TNM 65 | 5.0 - 59.0 | | |

COLLET CHUCKS

Clamping heads

- The clamping head is intended for workpiece clamping on conventional and CNC lathes. It is used directly in the spindle or collet chuck.



OPTIONS



TRANSVERSE WITH LONGITUDINAL GROOVES

- Powerful clamping with clamping marks
- Clamping of raw material
- Concentricity < 0.01 mm possible
- Easy set-up, full bore, parallel clamping
- Optimum power transmission, high rigidity and holding force as well as minimal wear
- Also available with grooves upon request



SMOOTH

- Clamping almost without any marks
- Clamping of already processed contours
- Concentricity < 0.01 mm possible
- Easy set-up, full bore, parallel clamping, optimum power transmission, high rigidity and holding force as well as minimal wear

➤ Also available as square and hexagonal versions.

| Item | ø D [mm] | Length L [mm] | Version | Clamping diameter S min.-max. [mm] |
|--------|----------|---------------|--|------------------------------------|
| SK 32 | 58 | 44 | Smooth | 4.0 - 32.0 |
| | | 47 | With transverse grooves | 8.0 - 10.0 |
| SK 42 | 80 | 42 | With transverse and longitudinal grooves | 11.0 - 32.0 |
| | | 47 | Smooth | 5.0 - 42.0 |
| SK 52 | 80 | 42 | With transverse grooves | 8.0 - 10.0 |
| | | 46 | With transverse and longitudinal grooves | 11.0 - 42.0 |
| SK 65 | 99.5 | 53 | Smooth | 5.0 - 52.0 |
| | | 58 | With transverse grooves | 8.0 - 10.0 |
| SK 80 | 115 | 53 | With transverse and longitudinal grooves | 11.0 - 52.0 |
| | | 58 | Smooth | 5.0 - 65.0 |
| SK 100 | 144.5 | 53 | With transverse grooves | 8.0 - 10.0 |
| | | 59 | With transverse and longitudinal grooves | 11.0 - 65.0 |
| SK 100 | 144.5 | 59 | Smooth | 5.0 - 80.0 |
| | | 59 | With transverse and longitudinal grooves | 8.0 - 10.0 |
| SK 100 | 144.5 | 59 | Smooth | 42.0 - 100.0 |
| | | 59 | With transverse and longitudinal grooves | 42.0 - 102.0 |

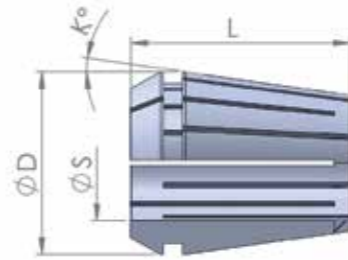
COLLET CHUCKS

ER collet chucks and tapping collets

- For tool clamping.



- Accessories (union nut, wrench) also available for ER collet chucks.



OPTIONS



SEALED

- Concentricity and repeat accuracy: average 5 µm
- Collapse h8, i.e. only the nominal size can be clamped
- Special properties: With sealing for interior cooling (suited for up to 120 bar)
Colored ring as identification (no sealing function)
- **NOTE:** Shafts with lateral surfaces can only be used to a certain extent, i.e. the surface must be located behind the rubber plug in order to ensure proper sealing



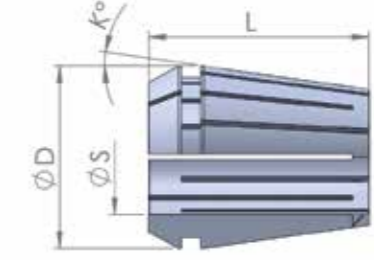
UP VERSION

- Concentricity and repeat accuracy: average 3 µm
- Special properties: Colored ring as identification (no sealing function)

COLLET CHUCKS

ER collet chuck series 400

- For tool clamping.



| Item | ø D [mm] | Length L [mm] | Cone K [degree] | Clamping diameter S min.–max. [mm] | Pitch [mm] |
|-----------------|----------|---------------|-----------------|------------------------------------|------------|
| ER 8 4004 E | 8 | 13.8 | 8 | 1.0 - 5.0 | 0.5 |
| ER 11 4008 E | 11 | 17 | 8 | 1.0 - 7.0 | 0.5 |
| ER 16 426 E | 17 | 28 | 8 | 1.0 - 10.0 | 1.0 |
| ER 20 428 E | 21 | 32 | 8 | 1.0 - 12.5 | 1.0 |
| ER 25 430 E | 26 | 34 | 8 | 1.0 - 16.0 | 1.0 |
| ER 32 470 E | 33 | 40 | 8 | 2.0 - 20.0 | 1.0 |
| ER 40 472 E | 41 | 46 | 8 | 3.0 - 30.0 | 1.0 |
| ER 50 477 E | 52 | 60 | 8 | 6.0 - 34.0 | 1.0 |

➤➤ Up to ER 40/472E, the collet chucks are also available as entire kits with wood storage boxes.



Schlenker guide bushes IN ALL SIZES AND PROFILES!



GUIDE BUSHES

Options: adjustable guide bushes



S-SLIT GUIDE BUSH

- Ideally suited for high-pressure rinsing in the machine
- No burr and dirt residues in the guide bush
- Concentricity behavior better than in the standard version
- Ideally suited for square and hexagonal material
- Steady guiding
- Guiding without leaving marks on the material to be processed
- Easy to clean after use



GUIDE BUSH WITH PROLONGED HARD-METAL INSERT

- Guide surface up to 40 mm
- Processing of a larger range of component parts
- High concentricity



VULCANIZED GUIDE BUSH

- Improved dirt resistance



STEM GUIDE BUSH

- Serves to improve the stability of the workpiece when using driven tools by moving the guide surface towards the front



SB GUIDE BUSH

- Ideally suited for material with a scratch-sensitive surface
- For material with bad sliding properties such as titanium
- Serves to prevent welding between the guide surface and the workpiece (stick-slip effect)



BL-COATED GUIDE BUSH

- For titanium processing due to better sliding properties
- Ideally suited for smaller quantities, since it is the cost-effective alternative to SB bushes
- Serves to prevent the material from welding in the guide bush



CLOSED GUIDE BUSH

- Bushes are ground to the precise nominal diameter of the material to be processed. Adjusting the guide bush is no longer necessary



SPECIAL PROFILES

- All contours feasible



ALIGNMENT PIN FOR GUIDE BUSH SUPPORT

- Inspection of the spindle is possible by means of alignment pin after a machine crash has occurred.

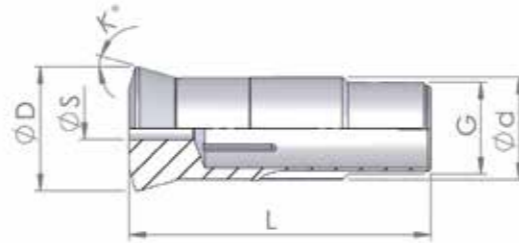
GUIDE BUSHES

Adjustable guide bushes

- ▶ Hard-metal guide bushes for workpiece guiding available for all current sliding headstock automatic lathes.



- ▶ Also available with prolonged guide surface for special applications.



| Standard hard-metal lengths | |
|-----------------------------|-------|
| Ø 2.0 - Ø 4.4 | 13 mm |
| Ø 4.5 - Ø 5.9 | 14 mm |
| Ø 6.0 - Ø 6.9 | 15 mm |
| Ø 7.0 - Ø 10.4 | 16 mm |
| Ø 10.5 - Ø 14.4 | 18 mm |
| Ø 14.5 - Ø 18.9 | 19 mm |
| Ø 19.0 - Ø 20.9 | 22 mm |
| Ø 21.0 - Ø 22.4 | 24 mm |
| Ø 22.5 - Ø 32.0 | 25 mm |

| Item | ø d [mm] | ø D [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S min.-max. [mm] | | |
|----------|----------|----------|---------------|-----------------|-------------|------------------------------------|------------|------------|
| | | | | | | ● | ■ | ◆ |
| I 351 | 9 | 12.5 | 44 | 16 | M 8 x 0.75 | 0.8 - 5.5 | | |
| I 352 | 11 | 14.5 | 53 | 16 | M 10 x 0.8 | 1.0 - 7.0 | | |
| F 3001 | 11 | 14.5 | 53 | 16 | M 10 x 0.75 | 1.0 - 7.0 | | |
| I 353 | 16 | 20.5 | 59 | 16 | M 14 x 1 | 1.0 - 10.5 | 3.0 - 6.0 | 3.0 - 10.0 |
| F 853 | 18 | 22 | 60 | 30 | M 16 x 1 | 1.0 - 13.0 | 3.0 - 8.0 | 4.0 - 12.0 |
| SD 125 R | 18 | 21.8 | 60 | 30 | M 18 x 1 | 3.0 - 13.0 | | |
| T 221 | 21 | 24 | 57.5 | 12 | M 18 x 1 | 3.0 - 15.0 | 3.0 - 8.0 | 4.0 - 12.0 |
| SNC 15 | 21 | 24 | 57.5 | 12 | M 18 x 1 | 3.0 - 15.0 | 3.0 - 8.0 | 4.0 - 12.0 |
| I 354 | 22 | 29 | 68 | 16 | M 19 x 1 | 2.0 - 15.0 | 3.0 - 10.0 | 4.0 - 13.0 |
| F391 | 22 | 29 | 68 | 16 | M 22 x 1 | 3.0 - 18.0 | 3.0 - 12.0 | 4.0 - 14.0 |
| TSG 20 R | 23 | 28 | 72 | 16 | M 22 x 1 | 3.0 - 16.0 | | |
| F 605 | 24 | 29.5 | 61 | 30 | M 24 x 1 | 2.0 - 17.0 | 3.0 - 12.0 | 4.0 - 15.0 |
| TD 26 | 26 | 29 | 77 | 16 | M 25 x 1 | 2.0 - 20.0 | 3.0 - 13.0 | 4.0 - 16.0 |
| T 223 | 28 | 34 | 82 | 16 | M 25 x 1 | 3.0 - 22.0 | 3.0 - 14.0 | 3.0 - 17.0 |
| T223 | 28 | 34 | 82 | 16 | M 27 x 1 | 22.0 | | |
| I 357 | 28 | 38 | 81 | 30 | M 25 x 1 | 3.0 - 21.0 | 3.0 - 14.0 | 4.0 - 17.0 |
| T 227 | 34 | 41 | 87.5 | 10 | M 34 x 1 | 3.0 - 25.0 | 3.0 - 15.0 | 4.0 - 22.0 |
| F 854 | 40 | 48 | 71 | 30 | M 36 x 1 | 3.0 - 26.0 | | |
| T 229 | 42 | 49 | 82 | 16 | M 40 x 1 | 4.0 - 33.0 | 3.0 - 25.0 | 4.0 - 27.0 |
| TD 32 | 42 | 47.9 | 81.8 | 20 | M 40 x 1 | 4.0 - 32.0 | 3.0 - 25.0 | 4.0 - 27.0 |
| ML 36 | 44 | 51 | 82 | 16 | M 42 x 1 | 3.0 - 35.0 | | |
| SL 38 | 46 | 53 | 82 | 16 | M 45 x 1 | 3.0 - 38.0 | | |
| ST 38 | 48 | 54 | 82 | 16 | M 46 x 1 | 3.0 - 38.0 | | |
| B 240 | 48 | 54 | 81 | 10 | M 46 x 1 | 3.0 - 38.0 | | |

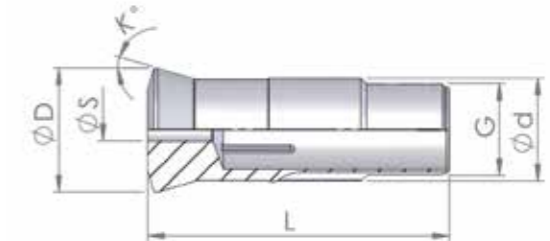
GUIDE BUSHES

Programmable guide bushes

- ▶ The Axfix guide bushes come in the UP version as a standard, vulcanized and with bush.
- ▶ The Axfix guide bush has been specially designed for Traub machines. It is currently used in the TNL 18 (T223 Axfix 902860) and is also intended for future use in the TNL32 (T229 Axfix 907820).
- ▶ Axfix Guide Bush Advantages:
 - Optimum adaptation to various rod materials.
 - Rapid adjustment of the guide bush (by means of pneumatic adjustment of guide pressure).
 - Material clamping for milling, parting-off and recessing operations possible if there is no Z movement of the main spindle (as with all programmable Schlenker guide bushes for Traub machines).
- ▶ High process reliability: Cleanliness by means of

vulcanization and automatic material defect compensation.

- ▶ Axfix Guide Bush features:
 - Larger relief bores.
 - Longer slits.
 - Additional longitudinal slits for even more guide bush flexibility.
 - For this version, too, vulcanization and brass bushes are recommended by the machine manufacturer and available as an option.



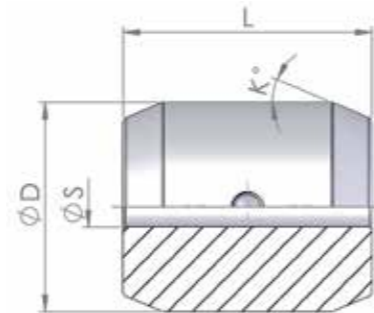
Adjustable guide bushes with hard-metal insert, programmable, for Traub

| Item | Traub Draw. no. | ø d [mm] | ø D [mm] | Length L [mm] | Cone K [degree] | Thread G | Clamping diameter S min.-max. [mm] |
|-------------|-----------------|----------|----------|---------------|-----------------|----------|------------------------------------|
| FTS 221 | 989 468 | 21 | 24 | 65.5 | 12 | M 18 x 1 | 1.5 - 16.0 |
| FTS 3402 | 989 517 | 27 | 30 | 67.5 | 12 | M 24 x 1 | 3.0 - 16.0 |
| T223 AXFIX | 902 860 | 28 | 34 | 82 | 16 | M 25 x 1 | 3.0 - 21.0 |
| T 227 | 986 761 | 34 | 41 | 87.5 | 10 | M 34 x 1 | 3.0 - 15.0 |
| T 229 AXFIX | 907820 | 42 | 46 | 81.5 | 16 | M 40 x 1 | 4.0 - 32.0 |

GUIDE BUSHES

SDK guide bushes

- » Highest flexibility due to integrated spring package.
- » Single piece construction.
- » High concentricity.
- » Can be ground up to one millimeter.
- » Cost-effective - ground bushes can be reused.
- » Chips cannot get caught in the bush.
- » The bush closes completely and protects the material to be processed from pressure marks and dirt.



| Item | Ø D [mm] | Length L [mm] | Cone K [degree] | Ø S |
|--------|----------|---------------|-----------------|------------|
| SDK 48 | 48 | 60 | 22.5° | 3.0 - 36.0 |
| SDK 42 | 42 | 50 | 22.5° | 3.0 - 32.0 |
| SDK 33 | 33 | 40 | 22.5° | 3.0 - 23.0 |
| SDK 28 | 28 | 40 | 22.5° | 3.0 - 20.0 |
| SDK 24 | 24 | 35 | 22.5° | 3.0 - 12.0 |

OPTIONS



GUIDE BUSH WITH HARD-METAL INSERT

- » Hard-metal guide bushes available for workpiece guiding
- » For all current sliding headstock automatic lathes
- » Provides longer service life
- » The material used should be specified when making the request



STEEL-HARDENED AND BL-COATED GUIDE BUSH

- » Provides longer service life
- » For material with inherent sliding properties such as brass, bronze, copper, plastic etc.
- » Serves to prevent the material from welding in the guide bush



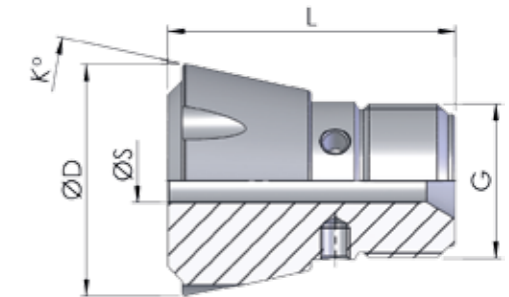
SPECIAL PROFILES

- » All contours feasible

GUIDE BUSHES

SZZ guide bushes

- » Highest flexibility due to integrated spring package.
- » Single piece construction.
- » High concentricity.
- » Chips cannot get caught in the bush.
- » The bush closes completely and protects the material to be processed from pressure marks and dirt.



| Unit number | Ø D [mm] | Length L [mm] | Cone K [degree] | Thread G |
|-------------|----------|---------------|-----------------|------------|
| SZZ 54 | 54 | 50 | 12° | M 40 x 1.5 |
| SZZ 37 | 37 | 40 | 12° | M 25 x 2 |
| SZZ 32.5 | 32.5 | 40 | 12° | M 21.5 x 2 |
| SZZ 26 | 26 | 35 | 12° | M 16 x 1.5 |

OPTIONS



GUIDE BUSH WITH HARD-METAL INSERT

- » Hard-metal guide bushes available for workpiece guiding
- » For all current sliding headstock automatic lathes
- » Provides longer service life
- » The material used should be specified when making the request



STEEL-HARDENED AND BL-COATED GUIDE BUSH

- » Provides longer service life
- » For material with inherent sliding properties such as brass, bronze, copper, plastic etc.
- » Serves to prevent the material from welding in the guide bush



SPECIAL PROFILES

- » All contours feasible

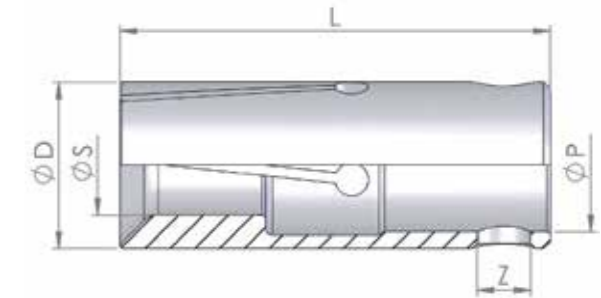


STEM

- » Serves to improve the stability of the workpiece when using driven tools by moving the guide surface towards the front

CLAMPING SLEEVES

SHK clamping sleeves



OPTIONS



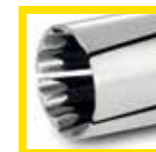
HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



CLOSED

➤ Reduction of changeover times due to entire channel utilization



PROFILES

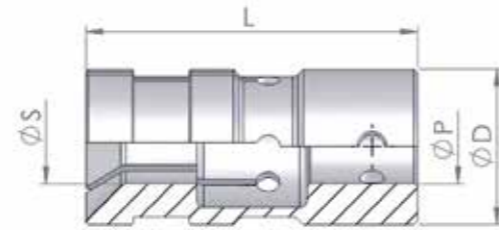
Schlenker clamping sleeves
IN ALL SIZES AND PROFILES!

| Item | Slide Ø | ø D [mm] | ø Z [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.-max. [mm] | | |
|-------------------|---------|----------|----------|----------|---------------|------------------------------------|-------------|-------------|
| | | | | | | ● | ■ | ⬡ |
| S 5 200 E | D 5 | 5 / 5.5 | | M 4 | 37 | 1.0 - 4.5 | | |
| S 7 208 E | D 7 | 7 / 7.5 | | M 5 | 37 | 1.0 - 6.2 | | |
| S 7 B Bechler | D 7 | 7 | | M 4 | 30 | 1.0 - 6.0 | | |
| S 10 210 E | D 10 | 10 | 4 | 7 H 7 | 40 | 1.0 - 10.0 | 3.0 - 6.35 | 3.0 - 8.0 |
| S 10 B Bechler | D 10 | 10 | | M 5 | 26 | 2.0 - 10.0 | | |
| S 12 212 E | D 12 | 12 | 4 | 8 H 7 | 40 | 3.0 - 11.0 | 3.0 - 8.0 | 3.0 - 9.0 |
| S 13 213 E | D 13 | 13 | 4 | 8 H 7 | 40 | 2.0 - 12.0 | 3.0 - 8.0 | 3.0 - 10.0 |
| S 15 203 E | D 15 | 15 | 6 | 11 H 7 | 40 | 3.0 - 14.0 | 3.0 - 10.0 | 3.0 - 12.0 |
| S 16 SHK 16 | D 16 | 16 | 6 | 11 H 7 | 40 | 3.0 - 15.0 | 3.0 - 10.0 | 3.0 - 13.0 |
| S 18 218 E | D 18 | 18 | 6 | 11 H 7 | 40 | 3.0 - 16.0 | 5.0 - 12.0 | 5.0 - 14.0 |
| S 20 225 E | D 20 | 20 | 8 | 14 H 7 | 65 | 4.0 - 19.0 | 5.0 - 14.0 | 5.0 - 16.0 |
| S 21 SHK 21 | D 21 | 21 | 8 | 14 H 7 | 65 | 15.0 - 20.0 | | |
| S 22 SHK 22 | D 22 | 22 | 8 | 14 H 7 | 65 | 4.0 - 21.0 | | |
| S 23 SHK 23 | D 23 | 23 | 8 | 14 H 7 | 65 | 5.0 - 22.0 | | |
| S 25 222 E | D 25 | 25 | 8 | 20 H 7 | 65 | 4.0 - 24.0 | 5.0 - 16.0 | 5.0 - 20.0 |
| S 28 227 E | D 28 | 28 | 8 | 20 H 7 | 65 | 3.0 - 26.5 | 5.0 - 17.0 | 5.0 - 22.0 |
| S 30 SHK 30 | D 30 | 30 | 8 | 20 H 7 | 65 | 5.0 - 28.0 | 5.0 - 20.0 | 5.0 - 24 |
| S 32 SHK 32 | D 32 | 32 | 8 | 20 H 8 | 65 | 5.0 - 30.0 | 5.0 - 22.0 | 5.0 - 25.4 |
| S 34 SHK 34 | D 34 | 34 | 8 | 20 H 9 | 65 | 10.0 - 32 | 10.0 - 22.0 | 10.0 - 27.0 |
| S 36 SHK 36 | D 36 | 36 | 8 | 20 H 10 | 65 | 8.0 - 33.0 | 8.0 - 22.0 | 8.0 - 28.0 |



CLAMPING SLEEVES

as turbo version



OPTIONS



HOLDING-FORCE ADAPTATION

- ▶ Holding forces can be increased or reduced according to customer requirements
- ▶ Spring enhances the holding forces
- ▶ Strongly recommended for XT magazine



CLOSED

- ▶ Reduction of changeover times due to entire channel utilization



PROFILES

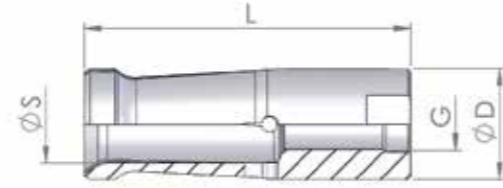


| Item | Slide ø | ø D [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.-max. [mm] | | |
|-----------------|---------|----------|----------|---------------|------------------------------------|-------------|-------------|
| | | | | | ● | ■ | ⬡ |
| ST 25 SHT 25 | D 25 | 25 | 20 H 7 | 90 | 4.0 - 22.0 | 5.0 - 16.0 | 5.0 - 20.0 |
| ST 28 SHT 28 | D 28 | 28 | 20 H 7 | 90 | 4.0 - 25.0 | 5.0 - 17.0 | 5.0 - 22.0 |
| ST 30 SHT 30 | D 30 | 30 | 20 H 7 | 90 | 5.0 - 28.0 | 5.0 - 19.0 | 5.0 - 24.0 |
| ST 32 SHT 32 | D 32 | 32 | 20 H 7 | 90 | 5.0 - 30.0 | 5.0 - 20.0 | 5.0 - 26.0 |
| ST 34 SHT 34 | D 34 | 34 | 20 H 7 | 90 | 5.0 - 32.0 | 10.0 - 20.0 | 10.0 - 27.0 |
| ST 35 SHT 35 | D 35 | 35 | 20 H 7 | 90 | 5.0 - 33.0 | | |
| ST 36 SHT 36 | D 36 | 36 | 20 H 7 | 90 | 6.0 - 34.0 | 6.0 - 24.0 | 6.0 - 28.0 |
| ST 38 SHT 38 | D 38 | 38 | 20 H 7 | 90 | 6.0 - 36.0 | 6.0 - 24.0 | 6.0 - 30.0 |
| ST 40 SHT 40 | D 40 | 40 | 20 H 7 | 90 | 10.0 - 38.0 | 10.0 - 25.0 | 10.0 - 32.0 |
| ST 42 SHT 42 | D 42 | 42 | 20 H 7 | 90 | 6.0 - 40.5 | 10.0 - 28.0 | 10.0 - 35.0 |
| ST 44 SHT 44 | D 44 | 44 | 20 H 7 | 90 | 10.0 - 42.0 | | |
| ST 45 SHT 45 | D 45 | 45 | 20 H 7 | 90 | 6.0 - 43.0 | 10.0 - 30.0 | 10.0 - 36.0 |
| ST 50 SHT 50 | D 50 | 50 | 20 H 7 | 90 | 6.0 - 48.0 | 10.0 - 32.0 | 10.0 - 41.0 |
| ST 54 SHT 54 | D 54 | 54 | 20 H 7 | 90 | 10.0 - 52.0 | | |
| ST 58 SHT 58 | D 58 | 58 | 20 H 7 | 90 | 15.0 - 56.0 | | |

| Item | Slide ø | ø D [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.-max. [mm] | | |
|-------------------|---------|----------|-------------|---------------|------------------------------------|-------------|-------------|
| | | | | | ● | ■ | ⬡ |
| ST 60 SHT 60 | D 60 | 60 | 20 H 7 | 90 | 8.0 - 58.0 | 10.0 - 40.0 | 10.0 - 50.0 |
| ST 63 SHT 63 | D 63 | 63 | 20 H 7 | 90 | 15.0 - 61.0 | | |
| ST 65 SHT 65 | D 65 | 65 | 20 H 7 | 90 | 8.0 - 63.0 | 10.0 - 42.0 | 10.0 - 55.0 |
| ST 70 SHT 70 | D 70 | 70 | 20 H 7 | 90 | 12.0 - 66.0 | | |
| ST 75 SHT 75 | D 75 | 75 | 20 / 35 H 7 | 90 | 20.0 - 72.0 | | |
| ST 80 SHT 80 | D 80 | 80 | 35 H 7 | 90 | 20.0 - 76.0 | | |
| ST 90 SHT 90 | D 90 | 90 | 35 H 7 | 90 | 50.0 - 84.0 | | |
| ST 100 SHT 100 | D 100 | 100 | 35 H 7 | 110 | 60.0 - 95.0 | | |

CLAMPING SLEEVES

as IEMCA version



OPTIONS



HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



CLOSED

➤ Reduction of changeover times due to entire channel utilization

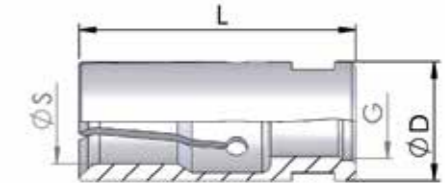


PROFILES

| Item | Slide ø | ø D [mm] | Thread G | Length L [mm] | Clamping diameter S min.-max. [mm] |
|--------|---------|----------|------------|---------------|------------------------------------|
| SE 7.5 | D 7.5 | 7.5 | M 5 x 0.5 | 40 | 2.0 - 6.5 |
| SE 10 | D 10 | 10 | M 6 x 0.75 | 40 | 2.0 - 8.0 |
| SE 12 | D 12 | 12 | M 7 x 0.75 | 42 | 3.0 - 11.0 |
| SE 15 | D 15 | 15 | M 8 x 1 | 42 | 4.0 - 13.0 |
| SE 16 | D 16 | 16 | M 8 x 1 | 42 | 2.0 - 14.0 |
| SE 18 | D 18 | 18 | M 8 x 1 | 42 | 12.5 - 16 |
| SE 20 | D 20 | 20 | M 10 x 1 | 59 | 4.0 - 18.0 |
| SE 22 | D 20 | 20 | M 10 x 1 | 59 | 4.0 - 20.0 |
| SE 23 | D 23 | 23 | M 10 x 1 | 59 | 5.0 - 21.0 |
| SE 25 | D 25 | 25 | M 10 x 1 | 59 | 6.0 - 23.0 |
| SE 27 | D 27 | 27 | M 10 x 1 | 59 | 8.0 - 25.0 |
| SE 30 | D 30 | 30 | M 10 x 1 | 59 | 8.0 - 28.0 |
| SE 32 | D 32 | 32 | M 25 x 1.5 | 78 | 8.0 - 30.0 |
| SE 34 | D 34 | 34 | M 25 x 1.5 | 78 | 10.0 - 32.0 |
| SE 35 | D 35 | 35 | M 25 x 1.5 | 78 | 10.0 - 32.0 |
| SE 37 | D 37 | 37 | M 25 x 1.5 | 78 | 16.0 - 35.0 |
| SE 38 | D 38 | 38 | M 25 x 1.5 | 78 | 31.0 - 35.0 |
| SE 40 | D 40 | 40 | M 25 x 1.5 | 78 | 20.0 - 37.0 |
| SE 42 | D 42 | 42 | M 25 x 1.5 | 78 | 24.0 - 40.0 |
| SE 45 | D 45 | 45 | M 25 x 1.5 | 80 | 28.0 - 42.0 |
| SE 46 | D 46 | 46 | M 25 x 1.5 | 80 | 25.0 - 44.0 |
| SE 50 | D 50 | 50 | M 25 x 1.5 | 80 | 44.0 - 46.0 |
| SE 51 | D 51 | 51 | M 25 x 1.5 | 80 | 43.0 - 48.0 |
| SE 55 | D 55 | 55 | M 25 x 1.5 | 80 | 43.0 - 50.0 |
| SE 56 | D 56 | 56 | M 25 x 1.5 | 80 | 45.0 - 51.0 |
| SE 58 | D 58 | 58 | M 25 x 1.5 | 80 | 46.0 - 53.0 |
| SE 60 | D 60 | 60 | M 25 x 1.5 | 80 | 48.0 - 56.0 |
| SE 65 | D 65 | 65 | M 25 x 1.5 | 80 | 56.0 - 63.0 |
| SE 70 | D 70 | 70 | M 25 x 1.5 | 80 | 60.0 - 66.0 |

CLAMPING SLEEVES

as Cucchi version



OPTIONS



HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



CLOSED

➤ Reduction of changeover times due to entire channel utilization

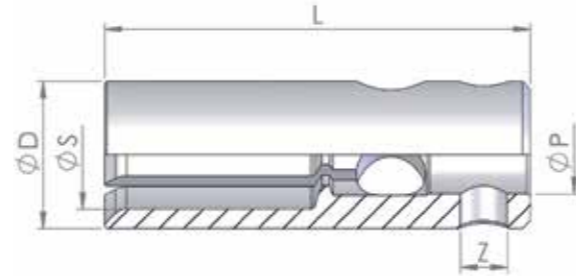


PROFILES

| Item | ø D [mm] | Thread G | Length L [mm] | Clamping diameter S min.-max. [mm] |
|-------|----------|--------------|---------------|------------------------------------|
| PB 28 | 28 | M 18 x 1.5 L | 65 | 10.0 - 26.0 |
| PB 29 | 29 | M 18 x 1.5 L | 65 | 10.0 - 27.0 |
| PB 30 | 30 | M 18 x 1.5 L | 65 | 10.0 - 28.0 |
| PB 35 | 35 | M 18 x 1.5 L | 70 | 10.0 - 33.0 |
| PB 36 | 36 | M 18 x 1.5 L | 70 | 10.0 - 34.0 |
| PB 38 | 38 | M 25 x 1.5 L | 70 | 10.0 - 36.0 |
| PB 41 | 41 | M 25 x 1.5 L | 70 | 20.0 - 39.0 |
| PB 42 | 42 | M 25 x 1.5 L | 70 | 20.0 - 40.0 |
| PB 60 | 59 | M 30 x 1.5 L | 80 | 20.0 - 51.0 |

CLAMPING SLEEVES

as CAV version



OPTIONS



HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



CLOSED

➤ Reduction of changeover times due to entire channel utilization

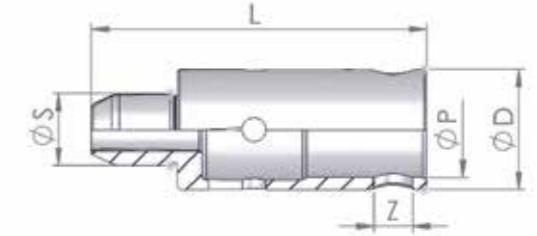


PROFILES

| Item | Slide ø | ø D [mm] | ø P [mm] | ø Z [mm] | Length L [mm] | Clamping diameter S min.–max. [mm] |
|--------|---------|----------|----------|----------|---------------|------------------------------------|
| CAV 7 | 7 | 7 | M6x1L | | 40 | 1.5 - 5.9 |
| CAV 10 | 10 | 10 | M6x1L | | 40 | 2.0 - 8.5 |
| CAV 12 | 12 | 12 | M6x1L | | 40 | 8.5 - 10.5 |
| CAV 15 | 15 | 15 | 10 | 6 | 55 | 3.0 - 14.0 |
| CAV 17 | 17 | 17 | 10 | 6 | 55 | 14.0 - 16.0 |
| CAV 19 | 19 | 19 | 10 | 6 | 55 | 16.0 - 17.0 |
| CAV 21 | 21 | 21 | 10 | 6 | 55 | 17.0 - 19 |
| CAV 25 | 25 | 25 | 16 | 8 | 76 | 5.0 - 22.0 |
| CAV 32 | 32 | 25/32 | 16 | 8 | 76 | 15.5 - 29.5 |
| CAV34 | 34 | 25/34 | 16 | 8 | 76 | 19.0 - 31.0 |

INSIDE CLAMPING SLEEVES

as SHK version



OPTIONS



HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



VULCANIZED

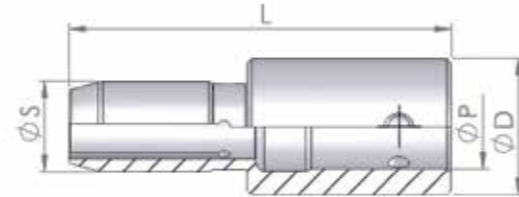
➤ Prevents the emulsion/oil from entering the loader

| Item | ø D [mm] | ø Z [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.–max. [mm] |
|------------------------------------|----------|----------|----------|---------------|------------------------------------|
| SI 7 SHKI 7 | 7 | | M 5 | 37 | 3.5 - 6.0 |
| SI 10 SHKI 10 | 10 | 4 | 7 | 40 | 3.5 - 9.0 |
| S 12 SHKI 12 | 12 | 4 | 8 | 40 | 3.5 - 11.0 |
| SI 15 SHKI 15 | 15 | 6 | 11 | 40 | 3.5 - 14.0 |
| SI 18 SHKI 18 | 18 | 6 | 11 | 40 | 5.0 - 17.0 |
| SI 20 SHKI 20 | 20 | 8 | 14 | 65 | 5.0 - 19.0 |
| SI 25 SHKI 25 | 25 | 8 | 20 | 65 | 5.0 - 24.0 |
| SI 28 - SI 50 SHKI 28 to SHKI50 | 28 - 50 | 8 | 20 | 65 | |

INSIDE CLAMPING SLEEVES

as turbo version

- For inside clamping for processing tubing or drilled solid material.



OPTIONS



HOLDING-FORCE ADAPTATION

- Holding forces can be increased or reduced according to customer requirements



VULCANIZED

- Prevents the emulsion/oil from entering the loader

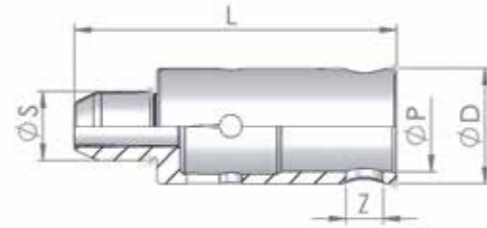


| Item | Slide ø | ø D [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.–max. [mm] |
|-------------------|---------|----------|----------|---------------|------------------------------------|
| STI 25 SHTI 25 | D 25 | 25 | 20 H 7 | 90 | 6.0 - 23.0 |
| STI 28 SHTI 28 | D 28 | 28 | 20 H 7 | 90 | 6.0 - 27.0 |
| STI 30 SHTI 30 | D 30 | 30 | 20 H 7 | 90 | 6.0 - 31.0 |
| STI 32 SHTI 32 | D 32 | 32 | 20 H 7 | 90 | 6.0 - 31.0 |
| STI 34 SHTI 34 | D 34 | 34 | 20 H 7 | 90 | 6.0 - 33.0 |
| STI 35 SHTI 35 | D 35 | 35 | 20 H 7 | 90 | 6.0 - 34.0 |
| STI 36 SHTI 36 | D 36 | 36 | 20 H 7 | 90 | 10.0 - 35.0 |
| STI 38 SHTI 38 | D 38 | 38 | 20 H 7 | 90 | 10.0 - 37.0 |
| STI 40 SHTI 40 | D 40 | 40 | 20 H 7 | 90 | 10.0 - 39.0 |
| STI 42 SHTI 42 | D 42 | 42 | 20 H 7 | 90 | 10.0 - 41.0 |
| STI 44 SHTI 44 | D 44 | 44 | 20 H 7 | 90 | 10.0 - 43.0 |
| STI 45 SHTI 45 | D 45 | 45 | 20 H 7 | 90 | 10.0 - 44.0 |
| STI 50 SHTI 50 | D 50 | 50 | 20 H 7 | 90 | 10.0 - 49.0 |
| STI 54 SHTI 54 | D 54 | 54 | 20 H 7 | 90 | 10.0 - 53.0 |
| STI 58 SHTI 58 | D 58 | 58 | 20 H 7 | 90 | 10.0 - 57.0 |
| STI 60 SHTI 60 | D 60 | 60 | 20 H 7 | 90 | 10.0 - 59.0 |
| STI 63 SHTI 63 | D 63 | 63 | 20 H 7 | 90 | 10.0 - 62.0 |
| STI 65 SHTI 65 | D 65 | 65 | 20 H 7 | 90 | 10.0 - 64.0 |

| Item | Slide ø | ø D [mm] | ø P [mm] | Length L [mm] | Clamping diameter S min.–max. [mm] |
|---------------------|---------|----------|-------------|---------------|------------------------------------|
| STI 70 SHTI 70 | D 70 | 70 | 20 H 7 | 90 | 30.0 - 65.0 |
| STI 75 SHTI 75 | D 75 | 75 | 20 / 35 H 7 | 90 | 30.0 - 70.0 |
| STI 80 SHTI 80 | D 80 | 80 | 35 H 7 | 90 | 30.0 - 75.0 |
| STI 90 SHTI 90 | D 90 | 90 | 35 H 7 | 90 | 40.0 - 85.0 |
| STI 100 SHTI 100 | D 100 | 100 | 35 H 7 | 110 | 40.0 - 95.0 |

INSIDE CLAMPING SLEEVES

for index multi-spindle machines



OPTIONS



HOLDING-FORCE ADAPTATION

➤ Holding forces can be increased or reduced according to customer requirements



VULCANIZED

➤ Improved dirt resistance

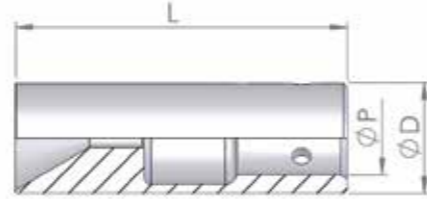
| Item | Slide ϕ | | ϕ D [mm] | ϕ S [mm] | ϕ Z [mm] | ϕ P [mm] | Length L [mm] | Machine |
|---------------|--------------|-----------------|---------------|---------------|---------------|---------------|---------------|-----------------------|
| S927434.1232 | 12 | Clamping sleeve | 10.3 | 8 | 4 | 8 H 7 | 45 | MS 22 / MS 40 |
| SA927435.XX31 | | Stop | 13.0 - 23.0 | | 4 | | 32 | |
| S927535.1231 | 12 | Clamping sleeve | 10.3 | 8 | 4 | 8 H 7 | 45 | MS 32 |
| SA927536.XX31 | | Stop | 13.0 - 18.0 | | 4 | | 32 | |
| S927434.1233 | 12 | Clamping sleeve | 10.3 | 8 | 4 | 8 H 7 | 46 | MS 22 / MS 32 / MS 40 |
| SA927435.XX32 | | Stop | 13.0 - 23.0 | | 4 | | 26 | |
| S927535.1831 | 18 | Clamping sleeve | 16 | 15 | 6 | 11 H 7 | 45 | MS 22 / MS 32 / MS 40 |
| SA927536.XX31 | | Stop | 19.0 - 25.0 | | 6 | | 32 | |
| S927535.1841 | 18 | Clamping sleeve | 16 | 15 | 6 | 11 H 7 | 46.5 | MS 22 / MS 32 / MS 40 |
| SA927536.XX41 | | Stop | 19.0 - 25.0 | | 6 | | 26.5 | |
| S927934.1832 | 18 | Clamping sleeve | 18 | 15 | 6 | 11 H 7 | 45 | MS 52 |
| SA927975.XX31 | | Stop | 22.0 - 32.0 | | | | 20 | |
| S927434.2332 | 23 | Clamping sleeve | 19 | 15 | 8 | 14 H 7 | 70 | MS 40 |
| SA927435.XX31 | | Stop | 24.0 - 32.0 | | 8 | | 52 | |
| S927434.2333 | 23 | Clamping sleeve | 19 | 15 | 8 | 14 H 7 | 66.5 | MS 40 |
| SA927435.XX32 | | Stop | 24.0 - 32.0 | | | | 46.5 | |
| S927535.2531 | 25 | Clamping sleeve | 22 | 15 | 8 | 15 H 7 | 66.5 | MS 32 |
| SA927536.XX31 | | Stop | 26.0 - 36.0 | | | | 46.5 | |
| S927434.3232 | 32 | Clamping sleeve | 27 | 15 | 8 | 20 H 7 | 70 | MS 40 |
| SA927435.XX31 | | Stop | 33.0 - 40.0 | | 8 | | 52 | |
| S927434.3233 | 32 | Clamping sleeve | 27 | 15 | 8 | 20 H 7 | 61 | MS 40 |
| SA927435.XX32 | | Stop | 33.0 - 40.0 | | | | 41 | |
| S927934.3232 | 32 | Clamping sleeve | 32 | 20 | 8 | 20 H 7 | 70 | MS 52 |
| SA927975.XX31 | | Stop | 33.0 - 42.0 | | | | 38 | |
| S927934.4232 | 42 | Clamping sleeve | 42 | 20 | 8 | 20 H 7 | 70 | MS 52 |
| SA927975.XX31 | | Stop | 43.0 - 52.0 | | | | 38 | |
| D18 IMS 52 | 18 | | 18 | 15 | 6 | 11 H 7 | 45 | |
| D32 IMS 52 | 32 | | 32 | 20 | 8 | 20 H 7 | 70 | |
| D42 IMS 52 | 42 | | 42 | 20 | 8 | 20 H 7 | 70 | |



CLAMPING SLEEVES

VKK centering sleeves

➤ For rod feed with last piece forward ejection.



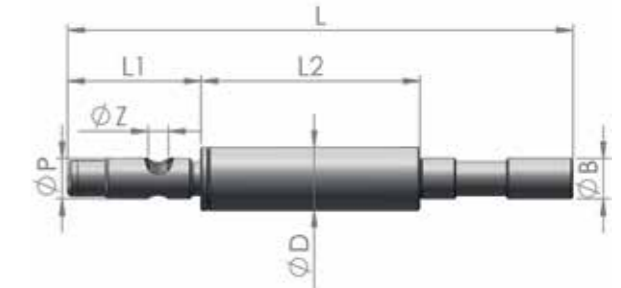
| Item | ø D [mm] | ø P [mm] | Length L [mm] |
|------------|----------|----------|---------------|
| VKK 10 | 10.3 | 7 H 7 | 40 |
| VKK 12 | 12.3 | 8 H 7 | 40 |
| VKK 13 | 13.3 | 8 H 7 | 40 |
| VKK 14 | 14.3 | 8 H 7 | 40 |
| VKK 15 | 15.3 | 11 H 7 | 40 |
| VKK 16 | 16.3 | 11 H 7 | 40 |
| VKK 17 | 17.3 | 11 H 7 | 40 |
| VKK 18 | 18.3 | 11 H 7 | 40 |
| VKK 20 | 20.3 | 14 H 7 | 65 |
| VKK 22 | 22.3 | 14 H 7 | 65 |
| VKK 24 | 24.3 | 14 H 7 | 65 |
| VKK 25 L65 | 25.3 | 20 H 7 | 65 |
| VKK 25 L90 | 25.3 | 20 H 7 | 90 |
| VKK 26 L65 | 26.3 | 20 H 7 | 65 |
| VKK 26 L90 | 26.3 | 20 H 7 | 90 |
| VKK 28 L65 | 28.3 | 20 H 7 | 65 |
| VKK 28 L90 | 28.3 | 20 H 7 | 90 |
| VKK 30 L65 | 30.3 | 20 H 7 | 65 |
| VKK 30 L90 | 30.3 | 20 H 7 | 90 |

| Item | ø D [mm] | ø P [mm] | Length L [mm] |
|------------|----------|----------|---------------|
| VKK 32 L65 | 32.3 | 20 H 7 | 65 |
| VKK 32 L90 | 32.3 | 20 H 7 | 90 |
| VKK 34 L65 | 34.3 | 20 H 7 | 65 |
| VKK 34 L90 | 34.3 | 20 H 7 | 90 |
| VKK 35 L65 | 35.3 | 20 H 7 | 65 |
| VKK 35 L90 | 35.3 | 20 H 7 | 90 |
| VKK 36 L65 | 36.3 | 20 H 7 | 65 |
| VKK 36 L90 | 36.3 | 20 H 7 | 90 |
| VKK 38 L65 | 38.3 | 20 H 7 | 65 |
| VKK 38 L90 | 38.3 | 20 H 7 | 90 |
| VKK 40 L65 | 40.3 | 20 H 7 | 65 |
| VKK 40 L90 | 40.3 | 20 H 7 | 90 |
| VKK 41 | 41.3 | 20 H 7 | 90 |
| VKK 42 | 42.3 | 20 H 7 | 90 |
| VKK 44 | 44.3 | 20 H 7 | 90 |
| VKK 45 | 45.3 | 20 H 7 | 90 |
| VKK 46 | 46.3 | 20 H 7 | 90 |
| VKK 50 | 50.3 | 20 H 7 | 90 |
| VKK 51 | 51.3 | 20 H 7 | 90 |

BEARINGS

Clamping sleeve bearings for loading magazines

- Longer service life.
- Higher speeds.
- Emergency running properties.
- Higher absorption of axial forces.
- Compatible with available interfaces.



Due to higher requirements, these products were converted to the HSL series.

| Item | Machine manufacturer | ø D [mm] | ø B [mm] | ø Z [mm] | ø P [mm] | Length L1 [mm] | Length L2 [mm] | Overall length L [mm] |
|----------|-------------------------|----------|----------|----------|----------|----------------|----------------|-----------------------|
| L 10 HSL | FMB, lemca, Irco | 10.5 | 8 | 4 | 7 | 26.5 | 43.5 | 100 |
| L 12 HSL | FMB, lemca, Irco | 12.5 | 8 | 4 | 8 | 26.5 | 43.5 | 100 |
| L 13 HSL | FMB, lemca, Irco | 13.5 | 8 | 4 | 8 | 26.5 | 43.5 | 100 |
| L 15 HSL | FMB, lemca, Irco, Traub | 15 | 12 | 6 | 11 | 26.5 | 43.5 | 100 |
| L 18 HSL | FMB, lemca, Irco, Traub | 18 | 12 | 6 | 11 | 26.5 | 43.5 | 100 |
| L 20 HSL | FMB, lemca, Irco, Traub | 20 | 17 | 8 | 14 | 39 | 47 | 116 |
| L 22 HSL | FMB, lemca, Irco, Traub | 22 | 17 | 8 | 14 | 39 | 47 | 116 |
| L 25 HSL | FMB, lemca, Irco, Traub | 25 | 20 | 8 | 20 | 41.5 | 47.5 | 119 |
| L 30 HSL | FMB, lemca, Irco, Traub | 30 | 20 | 8 | 20 | 41.5 | 47.5 | 119 |
| L 32 HSL | FMB, lemca, Irco, Traub | 32 | 20 | 8 | 20 | 41.5 | 47.5 | 119 |
| L 36 HSL | FMB, lemca, Irco, Traub | 36 | 20 | 8 | 20 | 41.5 | 47.5 | 119 |

Schlenker bearings
IN ALL SIZES AND PROFILES!

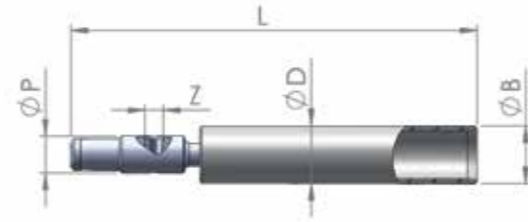


| Item | Machine manufacturer | ø D [mm] | ø G [mm] | ø Z [mm] | ø P [mm] | Overall length L [mm] |
|-------------|----------------------|----------|------------|----------|----------|-----------------------|
| L12IEMCASIR | lemca | 12.5 | M 9 x 1 L | 4 | 8 | 107 |
| L15IEMCASIR | lemca | 15 | M 12 x 1 L | 6 | 11 | 127 |
| L18IEMCASIR | lemca | 18 | M 15 x 1 L | 6 | 11 | 127 |
| L23IEMCASIR | lemca | 23 | M 18 x 1 L | 8 | 14 | 139.5 |
| L24IEMCASIR | lemca | 24 | M 18 x 1 L | 8 | 14 | 139.5 |
| L25IEMCASIR | lemca | 25 | M 22 x 1 L | 8 | 20 | 146.5 |
| L32IEMCASIR | lemca | 32 | M 28 x 1 L | 8 | 20 | 169.5 |
| L36IEMCASIR | lemca | 36 | M 30 x 1 L | 8 | 20 | 169.5 |

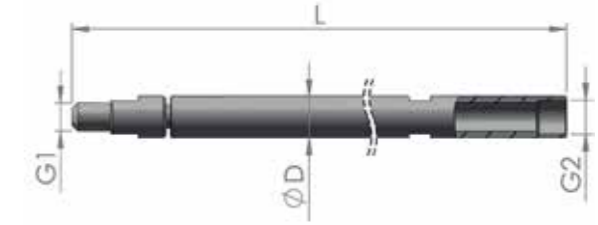


BEARINGS

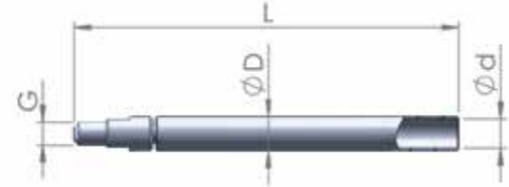
Clamping sleeve bearings for loading magazines



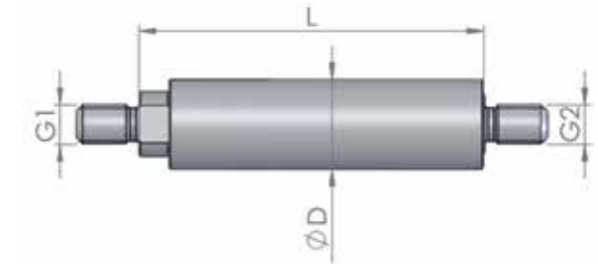
| Item | Machine manufacturer | ø D [mm] | ø B [mm] | ø Z [mm] | ø P [mm] | Overall length L [mm] |
|---------------------|----------------------|----------|----------|----------|----------|-----------------------|
| L 10 TR D10Traub | Traub | 10.5 | 9 | 4 | 7 | 88 |
| L 12 TR D12Traub | Traub | 12.5 | 11 | 4 | 8 | 88 |



| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|-----------------|----------------------|----------|------------|------------|-----------------------|
| L 7 lemca D7 | lemca | 7.5 | M 5 | M 6 x 0.75 | 139 |



| Item | Machine manufacturer | ø d [mm] | ø D [mm] | Thread G [mm] | Overall length L [mm] |
|-----------|----------------------|----------|----------|---------------|-----------------------|
| L 5 / D 5 | FMB, Traub | 4.5 | 5.5 | M 4 | 82.5 |
| L 7 / D 7 | FMB, Traub | 6.4 | 7.5 | M 5 | 83.5 |



| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|------------------------|----------------------|----------|------------|------------|-----------------------|
| L 5.5 ERT ERT 0550 | Tornos | 5.5 | M 3 | M 3 | 54 |
| L 7 ERT ERT 0700 | Tornos | 7 | M 4 | M 5 | 47 |
| L 7.5 ERT ERT 0750 | Tornos | 7.5 | M 4 | M 5 | 47 |
| L 8.5 ERT ERT 0850 | Tornos | 8.5 | M 5 | M 5 | 47 |
| L 10.5 ERT ERT 1050 | Tornos | 10.5 | M 6 | M 6 | 52 |
| L 13.5 ERT ERT 1350 | Tornos | 13.5 | M 6 | M 6 | 52 |



| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|-----------------|----------------------|----------|------------|------------|-----------------------|
| L 5 lemca D5 | lemca | 5.5 | M 4 | M 4 | 90 |

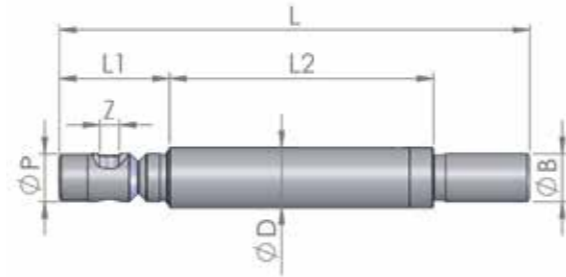
| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|----------|----------------------|----------|------------|------------|-----------------------|
| L 7 LNS | LNS / Tryton | 7 | M 5 | M 4 | 63 |
| L 12 LNS | LNS / Tryton | 12 | M 6 | M 6 | 72 |

| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|-----------------------|----------------------|----------|------------|------------|-----------------------|
| L 7 B 84 7 B | Bechler | 7 | M 5 | M 5 | 84 |
| L 10 B 84 10 B [A] | Bechler | 10 | M 5 | M 5 | 84 |
| L 10 B 96 10 B [B] | Bechler | 10 | M 5 | M 5 | 96 |

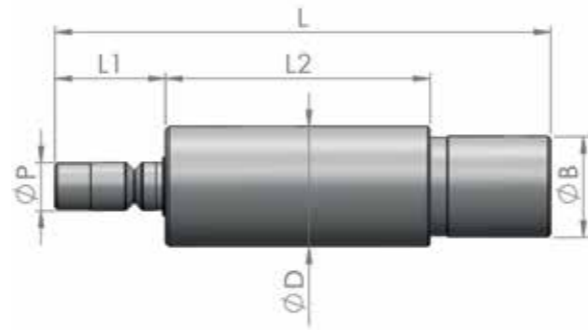
| Item | Machine manufacturer | ø D [mm] | Thread G 1 | Thread G 2 | Overall length L [mm] |
|------|----------------------|----------|------------|------------|-----------------------|
| 5 G | Gauthier | 5 | M 4 | M 4 | 80 |
| 7 G | Gauthier | 7 | M 5 | M 5 | 86 |

BEARINGS

Turbo clamping sleeve bearing



| Item | ø P [mm] | ø D [mm] | ø B [mm] | ø Z [mm] | Length L1 [mm] | Length L2 [mm] | Overall length L [mm] |
|--------------|----------|----------|----------|----------|----------------|----------------|-----------------------|
| LT 25 / D 25 | 20 | 25 | 20 | 8 | 46 | 110 | 196 |
| LT 30 / D 30 | 20 | 30 | 25 | 8 | 46 | 110 | 196 |
| LT 32 / D 32 | 20 | 32 | 25 | 8 | 46 | 110 | 196 |
| LT 34 / D 34 | 20 | 34 | 30 | 8 | 46 | 110 | 196 |
| LT 36 / D 36 | 20 | 36 | 30 | 8 | 46 | 110 | 196 |



| Item | ø P [mm] | ø D [mm] | ø B [mm] | Length L1 [mm] | Length L2 [mm] | Overall length L [mm] |
|----------------|----------|----------|----------|----------------|----------------|-----------------------|
| LT 38 / D 38 | 20 | 38 | 30 | 46 | 110 | 196 |
| LT 40 / D 40 | 20 | 40 | 33 | 46 | 110 | 206 |
| LT 42 / D 42 | 20 | 42 | 33 | 46 | 110 | 206 |
| LT 44 / D 44 | 20 | 44 | 33 | 46 | 110 | 206 |
| LT 45 / D 45 | 20 | 45 | 33 | 46 | 110 | 206 |
| LT 50 / D 50 | 20 | 50 | 42 | 46 | 110 | 206 |
| LT 54 / D 54 | 20 | 54 | 42 | 46 | 110 | 206 |
| LT 55 / D 55 | 20 | 55 | 42 | 46 | 110 | 206 |
| LT 58 / D 58 | 20 | 58 | 51 | 46 | 110 | 231 |
| LT 60 / D 60 | 20 | 60 | 51 | 46 | 110 | 231 |
| LT 63 / D 63 | 20 | 63 | 51 | 46 | 110 | 231 |
| LT 65 / D 65 | 20 | 65 | 51 | 46 | 110 | 231 |
| LT 70 / D 70 | 20 | 70 | 51 | 46 | 110 | 231 |
| LT 75 / D 75 | 20 / 35 | 75 | 65 | 46 | 110 | 231 |
| LT 80 / D 80 | 35 | 80 | 65 | 46 | 110 | 231 |
| LT 90 / D 90 | 35 | 90 | 65 | 46 | 110 | 231 |
| LT 100 / D 100 | 35 | 100 | 82 | 46 | 110 | 231 |

BEARINGS



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SERVICES

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- » Improving competitiveness.

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