

EDGE

TECHNOLOGIES

Collets on pressure
Special collets
Pick-up collets
Guide bushings
Bar feed collets
CAV bar feed collets
Inside clamping sleeves
Rotating inserts
Turbo-bar feed collets
Turbo rotating inserts
VKK



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Custom Solutions

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Products

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SUMMARY.



S-Slot guide bushing

- Ideal if high-pressure cleaning is used in the machine, no chip and dirt debris in the guide bush
- Concentricity of the guide bush <0.005 mm
- Deviations of the material can be bypassed
- Ideal for square- and hex material
- Even guiding
- Guiding without marks on the material
- Easy to clean after the use



S-Slot collet

- Clamping without marks on the material
- Concentricity of the collet <0.005 mm
- Deviations of the material can be by-passed
- Ideal for square- and hex material
- High and even tension
- No debris in the collet, since it completely closes
- Easy to clean after the use



SB guide bushing

- Ideal for swiss type machines
- For materials with hard gliding properties, like titanium
- Prevents welding of guiding area and part (Stick-Slip-Effect)



BL guide bushing

- For titanium processing, has better gliding properties
- Ideal for smaller quantities, is the less expensive alternative to the SB guide bush
- Prevents the welding of the material in the guide bush



Brass-/ Synthetic- / Aluminum collets

- Prevents stains on the material
- Inserts are exchangeable after wearing and tearing
- Ideal for material sensitive to scratching and excellent for smooth pick-up



Long-nose guide bushing

- Improves the stability of the part, when used with power-tools, by shifting the guiding area forward



Special Collets

- Various special profiles, steps and adaptation to partial contours realizable



Overgripping collet

- Used on a pick-off spindle when it is required to clear a shoulder and grip on a smaller diameter beyond (over the shoulder collet)



Step collet

- Clamping on two different diameters possible
- Available for all collet types



Guide bush with extended HM-insert (carbide insert)

- Guiding surface up to 40 mm
- Machining of a bigger part spectrum
- High concentricity



Closed bar feed collets

- Reduces the changeover time due to complete use of the channel
- Higher holding time due to closed slots
- Available in all common models and also usable for profile material



Collets with carbide insert

- All the standard collets are available with carbide insert
- advantage: larger endurance

ALL COLLETS WITH THE FOLLOWING INNER CONTOURS AVAILABLE:



Smooth

- Standard up to $\varnothing 5,9$
- Bigger sizes also available in smooth with additional cost



Serrated

- Standard grooved from diameter $\varnothing 6,0$ and above



Serrated

- vertical & horizontal grooved (L & Q)

ALL COLLETS WITH THE FOLLOWING INNER CONTOURS AVAILABLE:



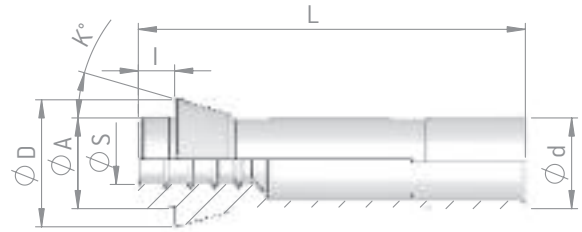
Carbide coating

- (inside)



Supergrip

DEAD LENGTH COLLETS SERIES 100



| part no. | ϕd (mm) | ϕD (mm) | ϕA (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|-----------------------|------------------|------------------|------------------|---------------|---------------|------------------------|--------------|---------------------|-----------------|
| 101 E F 8 TF8 | 8 | 12 | 8 | 5 | 42 | 16 | ● | 1,0 | |
| | | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 6,0 | 0,5 |
| 102 E | 8 | 13,7 | 9 | 3 | 30 | 21 | ● | 0,5 - 6,0 | 0,5 |
| 109 E F 10 TF10 | 10 | 15,5 | 10 | 5,5 | 47,5 | 20 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | | 1,0 | |
| | | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 7,0 | 0,5 | |
| | | | | | | | ● ■ | PR | PR |
| 112 E | 11 | 18,7 | 12 | 6 | 41 | 22 | ● | 0,5 - 8,0 | 0,5 |
| | | | | | | | | ■ | PR |
| 116 E F 13 | 13 | 19 | 13 | 6 | 64 | 16 | ● | 1,0 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 10,0 | 0,5 |
| | | | | | | | ■ | 4,0 - 8,0 | 1,0 |
| 118 E | 14 | 19,5 | 15 | 6 | 46 | 15 | ● | 0,5 - 10,5 | 0,5 |
| | | | | | | | | ■ | PR |
| 120 E F 15 TF15 | 15 | 21 | 15 | 6 | 64 | 16 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | | 1,0 - 1,5 | 0,5 |
| | | | | | | | | 2,0 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 12,0 | 0,5 |
| | | | | | | | | 12,5 - 13,0 | 0,5 |
| | | | | | | | ■ | 2,0 - 3,5 | 0,5 |
| | | | | | | | | 4,0 - 8,0 | 0,5 |
| | 10,0 | | | | | | | | |

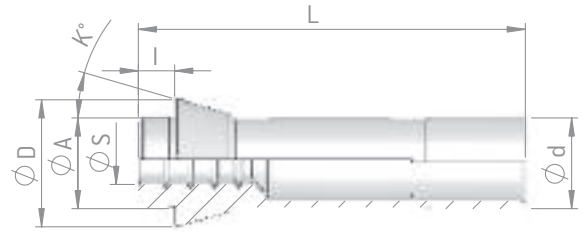
PR = per request

>> Table to be continued



Custom solutions can be delivered for all dead length collets.

DEAD LENGTH COLLETS SERIES 100



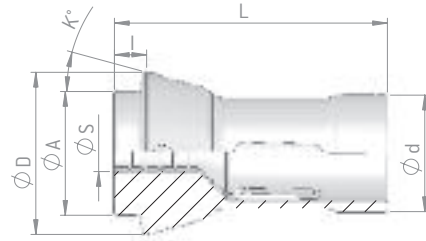
| part no. | ϕd (mm) | ϕD (mm) | ϕA (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) | |
|--------------------------|------------------|------------------|------------------|---------------|---------------|------------------------|--------------|---------------------|-----------------|-----|
| 1212 E F 16 TF16 | 16 | 21 | 16 | 6 | 64 | 16 | ● | 0,5 - 0,9 | 0,1 | |
| | | | | | | | | 1,0 - 2,5 | 0,5 | |
| | | | | | | | | 3,0 - 12,0 | 0,5 | |
| | | | | | | | | ● ■ | 3,0 - 10,0 | 1,0 |
| 136 E F 20-201 | 20 | 26 | 19 | 5 | 54 | 15 | ● | 0,5 - 0,9 | 0,1 | |
| | | | | | | | | 1,0 - 1,5 | 0,5 | |
| | | | | | | | | 2,0 - 2,5 | 0,5 | |
| | | | | | | | | 3,0 - 16,0 | 0,5 | |
| | | | | | | | | 16,5 - 17,0 | 0,5 | |
| | | | | | | | | ● ■ | 3,0 - 3,5 | 0,5 |
| | | | | | | | | 4,5 - 7,5 | 1,0 | |
| | | | | | | | | ● | 4,0 - 14,0 | 1,0 |
| | | | | | | | | ■ | 4,0 - 10,0 | 1,0 |
| 138 E F 20-87 TF20 | 20 | 28 | 21 | 7 | 67 | 16 | ● | 0,5 - 0,9 | 0,1 | |
| | | | | | | | | 1,0 - 1,5 | 0,5 | |
| | | | | | | | | 2,0 - 2,5 | 0,5 | |
| | | | | | | | | 3,0 - 16,0 | 0,5 | |
| | | | | | | | | 16,5 - 17,0 | 0,5 | |
| | | | | | | | | ● ■ | 4,0 - 6,0 | 1,0 |
| | | | | | | | | ● | 7,0 - 14,0 | 1,0 |
| | | | | | | | | ■ | 7,0 - 11,0 | 1,0 |

>> Table to be continued



All collets mentioned in this catalog can be delivered with a long nose.

DEAD LENGTH COLLETS SERIES 100



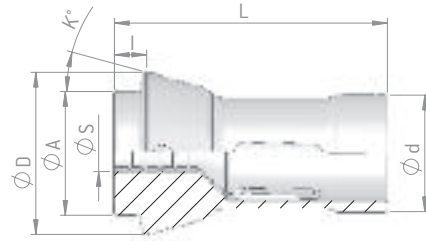
| part no. | $\varnothing d$ (mm) | $\varnothing D$ (mm) | $\varnothing A$ (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|-----------------------|-------------------------|-------------------------|-------------------------|---------------|---------------|------------------------|--------------|---------------------|-----------------|
| 140 E F 22 TF22 | 22 | 30 | 21 | 6 | 55 | 15 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | | 1,0 | |
| | | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 16,0 | 0,5 |
| | | | | | | | | 16,5 - 18,0 | 0,5 |
| | | | | | | | ● | 4,0 - 15,0 | 1,0 |
| | | | | | | | ■ | 4,0 - 10,0 | 1,0 |
| 145 E F 25 TF25 | 25 | 35 | 27 | 10 | 77 | 16 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | | 1,0 | |
| | | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 20,0 | 0,5 |
| | | | | | | | | 20,5 - 22,0 | 0,5 |
| | | | | | | | ● | 4,0 - 6,0 | 1,0 |
| | | | | | | | ● | 7,0 - 17,0 | 1,0 |
| ■ | 7,0 - 14,0 | 1,0 | | | | | | | |
| 148 E F 28 | 28 | 38 | 28 | 7 | 70 | 15 | ● | 1,5 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 24,0 | 0,5 |
| | | | | | | | | 24,5 & 25,0 | |
| | | | | | | | ● | 4,0 - 6,0 | 1,0 |
| | | | | | | | ● | 7,0 - 16,0 | 1,0 |
| | | | | | | | ● | 17,0 & 19,0 | |
| 18,0 & 20,0 | | | | | | | | | |
| 157 E F 30 TF30 | 30 | 42 | 34 | 10 | 80 | 16 | ● | 0,5 - 2,9 | 0,1 |
| | | | | | | | | 3,0 - 24,5 | 0,5 |
| | | | | | | | | 25,0 - 27,0 | 0,5 |
| | | | | | | | ● | 5,0 - 6,5 | 0,5 |
| | | | | | | | ● | 7,0 - 17,0 & 19,0 | 1,0 |
| | | | | | | | ● | 18,0 | |
| ● | 20,0 | | | | | | | | |
| EF 30 1446 E | 30 | 38 | 32 | 6 | 65 | 15 | ● | 3,0 - 25,0 | 0,5 |
| | | | | | | | ● | 5,0 - 17,0 & 19,0 | 1,0 |

>> Table to be continued



All long nose collets can also be delivered with special tooling spaces

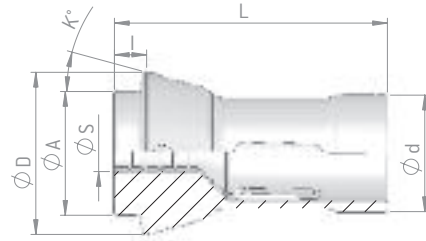
DEAD LENGTH COLLETS SERIES 100



| part no. | ϕd (mm) | ϕD (mm) | ϕA (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|------------------------|---------------------------|------------------|------------------|---------------|---------------|------------------------|---------------|---------------------|-----------------|
| 161 E F 32 | 32 | 45 | 34 | 8 | 75 | 15 | ● | 1,0 - 1,5 | 0,5 |
| | | | | | | | | 2,0 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 26,0 | 0,5 |
| | | | | | | | | 26,5 & 27,0 | |
| | | | | | | | | 28,0 | |
| | | | | | | | ⬡ | 4,0 - 16,0 | 1,0 |
| | | | | | | | | 17,0 & 19,0 & 22,0 | |
| | | | | | | | | 18,0 & 20,0 & 21,0 | |
| | | | | | | | ■ | 5,0 - 6,0 | 1,0 |
| | | | | | | | | 7,0 - 16,0 & 18,0 | 1,0 |
| | | | | | | | | 17,0 & 19,0 | |
| | | | | | | | 163 E F 35 | 35 | 48 |
| 2,0 - 2,5 | 0,5 | | | | | | | | |
| 3,0 - 30,0 | 0,5 | | | | | | | | |
| 30,5 - 32,0 | 0,5 | | | | | | | | |
| ⬡ | 4,0 - 6,0 | 1,0 | | | | | | | |
| | 7,0 - 17,0 | 1,0 | | | | | | | |
| | 18,0 & 20,0 & 21,0 | | | | | | | | |
| | 23,0 & 25,0 & 26,0 | | | | | | | | |
| ■ | 19,0 & 22,0 & 24,0 & 27,0 | | | | | | | | |
| | 5,0 - 6,0 | 1,0 | | | | | | | |
| | 7,0 - 16,0 & 18,0 | 1,0 | | | | | | | |
| | 17,0 & 19,0 | | | | | | | | |
| 20,0 - 22,0 | 1,0 | | | | | | | | |
| F 37 1536 E TF37 | 37 | 47 | 40 | 10 | 92 | 16 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | | 1,0 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 32,0 | 0,5 |
| | | | | | | | | 32,5 - 33,0 | 0,5 |
| | | | | | | | ⬡ | 4,0 - 27,0 | 1,0 |
| | | | | | | | | 4,0 - 23,0 | 1,0 |
| 164 E F 38 | 38,08 | 49 | 38 | 9 | 108 | 15 | ● | 2,0 & 2,5 | |
| | | | | | | | | 3,0 - 32,0 | 1,0 |
| | | | | | | | | 32,5 & 33,0 | |
| | | | | | | | ⬡ | 4,0 - 6,0 | 1,0 |
| | | | | | | | | 7,0 - 27,0 | 1,0 |
| ■ | 7,0 - 22,0 | 1,0 | | | | | | | |

>> Table to be continued

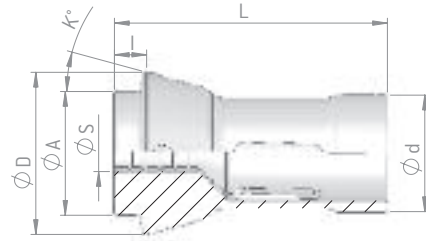
DEAD LENGTH COLLETS SERIES 100



| part no. | ϕd (mm) | ϕD (mm) | ϕA (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|--------------------|------------------|------------------|------------------|---------------|---------------|------------------------|--------------------|----------------------------------|-----------------|
| 171 E F 42 | 42 | 55 | 42 | 9 | 94 | 15 | ● | 3,0 - 36,0 | 0,5 |
| | | | | | | | | 36,5 - 38,0 | 0,5 |
| | | | | | | | ⬡ | 4,0 - 14,0 | 1,0 |
| | | | | | | | | 15 & 16 & 18 & 20 & 21 & 23 | |
| | | | | | | | | 25,0 - 31,0 | 1,0 |
| | | | | | | | ■ | 4,0 - 14,0 | 1,0 |
| 15,0 - 26,0 | 1,0 | | | | | | | | |
| TF 43 | 43 | 53 | 46 | 10 | 92 | 16 | ● | 3 - 38 | 1,0 |
| | | | | | | | | 4 - 32 | 1,0 |
| | | | | | | | ■ | 4 - 27 | 1,0 |
| 173 E F 48 | 48 | 60 | 50 | 9 | 94 | 15 | ● | 1,0 | |
| | | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | | 3,0 - 42,0 | 0,5 |
| | | | | | | | | 42,5 - 43,0 | 0,5 |
| | | | | | | | ⬡ | 4,0 - 5,5 | 0,5 |
| | | | | | | | | 6,0 | |
| | | | | | | | | 7,0 - 14,0 | 1,0 |
| | | | | | | | | 17,0 & 19,0 & 22,0 & 24,0 & 27,0 | |
| | | | | | | | | 15 & 16 & 18 & 20 & 21 & 23 | |
| | | | | | | | | 25,0 & 26,0 & 28,0 & 29,0 & 31,0 | |
| | | | | | | | | 33,0 - 35,0 & 37,0 | 1,0 |
| | | | | | | | 30,0 & 32,0 & 36,0 | | |
| | | | | | | | ■ | 4,0 & 5,0 | |
| | | | | | | | | 6,0 | |
| | | | | | | | | 7,0 - 14,0 | 1,0 |
| 15,0 - 24,0 & 26,0 | 1,0 | | | | | | | | |
| 25,0 & 27,0 - 30,0 | 1,0 | | | | | | | | |

>> Table to be continued

DEAD LENGTH COLLETS SERIES 100



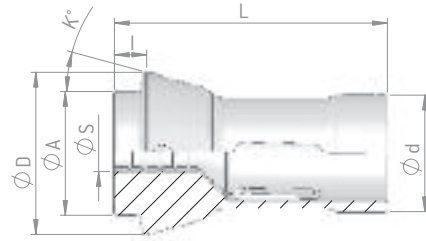
| part no. | ϕd (mm) | ϕD (mm) | ϕA (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|------------------|------------------|------------------|------------------|---------------|---------------|------------------------|--------------|---------------------|-----------------|
| TF48 | 48 | 60 | 50 | 9 | 94 | 15 | ● | 1,0 - 43 | |
| | | | | | | | ⬡ | 4 - 37 | |
| | | | | | | | ■ | 4 - 30 | |
| BS38 komplett | 48 | 54 | 44 | 10 | 100 | 15 | ● | 1,0 - 40 | 1,0 |
| | | | | | | | ⬡ | 5 - 34 | 1,0 |
| | | | | | | | ■ | 5 - 28 | 1,0 |
| 177E F58 | 58 | 70 | 60 | 9 | 94 | 15 | ● | 4,0 - 9,0 | 1,0 |
| | | | | | | | | 10,0 - 52,0 | 1,0 |
| | | | | | | | | ⬡ | 8,0 - 12,0 |
| | | | | | | | ⬡ | 13,0 - 22,0 | 1,0 |
| | | | | | | | | 23,0 - 27,0 | 1,0 |
| | | | | | | | | 28,0 - 36,0 | 1,0 |
| | | | | | | | | 37,0 - 42,0 | 1,0 |
| | | | | | | | | 43,0 - 44,0 | 1,0 |
| | | | | | | | | ■ | 8,0 - 12,0 |
| | | | | | | | ■ | 13,0 - 22,0 | 1,0 |
| | | | | | | | | 23,0 - 27,0 | 1,0 |
| | | | | | | | | 30,0 - 36,0 | 1,0 |

>> Table to be continued



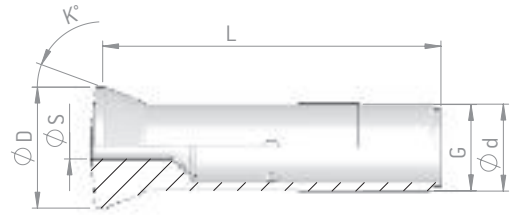
Try our collets sealed.

DEAD LENGTH COLLETS SERIES 100



| part no. | Ø d (mm) | Ø D (mm) | Ø A (mm) | length l (mm) | length L (mm) | cone α (degree) | inside shape | clamping range (mm) | increments (mm) |
|----------------------------------|----------|----------|----------|---------------|---------------|-----------------|--------------|----------------------------------|-----------------|
| 185 E F 66 | 66 | 84 | 73 | 9 | 110 | 15 | ● | 3,0 - 7,0 | 1,0 |
| | | | | | | | | 8,0 - 60,0 | 1,0 |
| | | | | | | | | 60,5 - 62,0 | 0,5 |
| | | | | | | | short | 61,0 - 65,0 | 1,0 |
| | | | | | | | ⬠ | 8,0 - 17,0 | 1,0 |
| | | | | | | | | 19,0 & 22,0 & 24,0 & 27,0 | |
| | | | | | | | | 7,0 & 18,0 & 20,0 & 21,0 & 23,0 | |
| | | | | | | | | 25,0 & 26,0 & 28,0 & 29,0 & 31,0 | |
| | | | | | | | | 38,0 & 41,0 | |
| | | | | | | | | 30,0 & 32,0 & 36,0 | |
| | | | | | | | | 33,0 - 35,0 | 1,0 |
| | | | | | | | | 37,0 & 39,0 & 40,0 | |
| | | | | | | | | 42,0 - 55,0 | 1,0 |
| | | | | | | | | ■ | 7,0 - 14,0 |
| | | | | | | | 15,0 - 19,0 | | 1,0 |
| 21,0 & 23,0 & 24,0 & 26,0 & 32,0 | | | | | | | | | |
| 20,0 & 22,0 & 25,0 & 28,0 | | | | | | | | | |
| 27 & 29 & 30 & 31 & 33 & 34 | | | | | | | | | |
| 35,0 - 41,0 | 1,0 | | | | | | | | |
| 190 E F 88 | 88 | 106 | | | 115 | 15 | ● | 60,0 - 80,0 | 1,0 |
| 193 E F 90 | 90 | 107 | | | 130 | 15 | ● | 20,0 - 80,0 | 1,0 |

DRAW-IN COLLETS SERIES 300



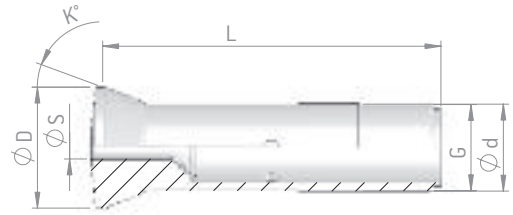
| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | cone α (degree) | thread G | inside shape | clamping range (mm) | increments (mm) |
|-----------|---------------|---------------|---------------|------------------------|----------------|--------------|---------------------|-----------------|
| 671 / 652 | 5 | 7 | 22,5 | 15 | M 3,5 x 0,6 | ● | PR | PR |
| 324 E | 15 | 21,5 | 53 | 20 | M 13 x 1 | ● | 1,0 | |
| | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 13,0 | 0,5 |
| 358 E | 23 | 32 | 82 | 20 | M 21 x 1 | ● | 0,5 - 0,9 | 0,1 |
| | | | | | | | 1,0 | |
| | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 20,0 | 0,5 |
| | | | | | | | 20,5 & 21,5 | |
| | | | | | | ● | 3,5 | |
| | | | | | | | 4,0 - 6,0 | 1,0 |
| | | | | | | | 4,5 - 6,5 | 1,0 |
| ● | 7,0 - 14,0 | 1,0 | | | | | | |
| ● | 16,0 & 18,0 | | | | | | | |
| 359 E | 23 | 32 | 90 | 20 | Tr. 23 x 1,5 | ● | 0,5 - 20,0 | 0,5 |
| 363 E | 25 | 33,5 | 84 | 16 | M 23 x 1 | ● | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 22,0 | 0,5 |
| 366 E | 28 | 36 | 102 | 18 | Tr. 27 x 1/20" | ● | PR | PR |
| | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | ● | 3,0 - 23,0 | 0,5 |
| 367 E | 28 | 38 | 100 | 20 | Tr. 28 x 1,5 | ● | PR | PR |
| | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 24,0 | 0,5 |
| | | | | | | | 0,5 - 0,9 | 0,1 |
| | | | | | | ● | 1,0 | |

PR = per request

>> Table to be continued

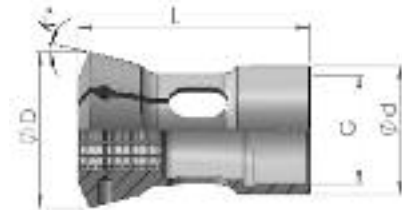
Custom solutions can be delivered for all draw-in collets.

DRAW-IN COLLETS SERIES 300



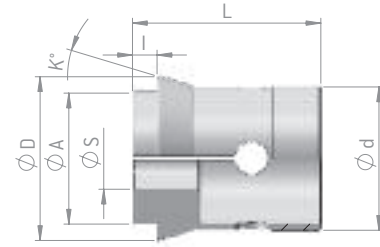
| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | cone α (degree) | thread G | inside shape | clamping range (mm) | increments (mm) |
|----------|---------------|---------------|---------------|------------------------|--------------------------------|---------------------------|---------------------|-----------------|
| 385 E | 31,75 | 37,5 | 83 | 10 | outer thread: 31,45 x 1/20" | ● | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 26,0 | 1,0 |
| | | | | | | ■ | 4,0 | |
| | | | | | | | ● | 5,0 - 6,0 |
| | | | | | | ● | | 7,0 - 16,0 |
| | | | | | | | ● | 5,5 |
| | | | | | | 17,0 & 19,0 & 22,0 | | |
| | | | | | | 18,0 & 20,0 & 21,0 & 23,0 | | |
| | | | | | | ■ | 25,0 & 26,0 | |
| | | | | | | | 17,0 & 19,0 | |
| 18,0 | | | | | | | | |
| 386 E | 32 | 45 | 110 | 20 | Tr. 32 x 1,5 | ● | 1,0 | |
| | | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | | 3,0 - 29,0 | 0,5 |
| | | | | | | | 29,5 & 30,0 | |
| | | | | | | ● | PR | PR |

PR = per request



| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | cone α (degree) | thread G | inside shape | clamping range (mm) | increments (mm) |
|-----------------|---------------|---------------|---------------|------------------------|-----------|--------------|---------------------|-----------------|
| KDT 38 B0385 | 58 | 70,3 | 105 | 15 | M50 x 1,5 | ● | 8 - 44 | 1,0 |
| | | | | | | ● | 10 - 36 | 1,0 |
| | | | | | | ■ | 10 - 30 | 1,0 |

PICK-UP COLLETS

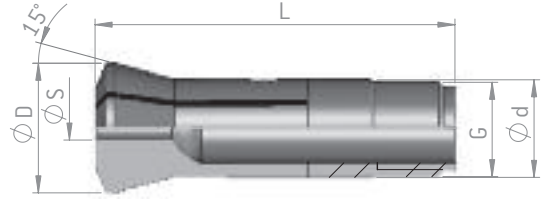


| part no. | $\varnothing d$ (mm) | $\varnothing D$ (mm) | $\varnothing A$ (mm) | length l (mm) | length L (mm) | Type | Inside shape | clamping range (mm) | increments (mm) |
|---------------------------|----------------------|----------------------|----------------------|---------------|---------------|---------------|--------------|---------------------|-----------------|
| 75 - 81.1410 | thread M 10 x 1 | 14 | 11 | 23 | 23 | Gauthier | ● | 1,0 - 7,0 | 0,5 |
| 75 - 14.0498 | thread M 12 x 1 | 18 | 12 | 23 | 23 | Gauthier | ● | 1,0 - 10,0 | 0,5 |
| M 105 | 12 | 14,5 | 10,5 | 6 | 21 | Strohm | ● | 1,0 - 8,5 | 0,5 |
| M 105 extended nose | 12 | 14,5 | 10,5 | variable | variable | Strohm | ● | 3,0 - 8,0 | 0,5 |
| M 125 | 15 | 17 | 13 | 2 | 17 | Strohm | ● | 1,0 - 12,0 | 0,5 |
| M 125 extended nose | 15 | 17 | 13 | variable | variable | Strohm | ● | 1,0 - 12,0 | 0,5 |
| 694285 | 16 | 19 | 13 | 2,5 | 22 | Traub | ● | 1,0 - 10,0 | 0,5 |
| M 205 | 24 | 28 | 22 | 6 | 36 | Strohm | ● | 2,5 | |
| | | | | | | | ● | 3,0 - 20,0 | 0,5 |
| 612 | 35 | 40 | 32 | 6 | 46 | TNS 28 | ● | 1,0 - 5,5 | PR |
| | | | | | | | ● | 6,0 - 30,0 | 0,5 |
| 612 M reinforced shaft | 35 | 40 | 32 | 6 | 46 | Manurhin K'MX | ● | 1,0 - 5,5 | PR |
| | | | | | | | ● | 6,0 - 30,0 | 0,5 |
| 719976 | 45 | 58 | | | 56 | TNS 60 | ● | PR | 1,0 |
| | | | | | | | ● | PR | PR |
| 721 | 46 | 54,75 | 48 | 6 | 65 | TNS 30 / 42 | ● | 1,0 - 7,5 | PR |
| | | | | | | | ● | 8,0 - 42,0 | 1,0 |
| 952 | 61,5 | 71,5 | 62 | 6 | 65 | TNM 65 | ● | 5,0 - 19,0 | 1,0 |
| | | | | | | | ● | 20,0 - 56,0 | 1,0 |
| | | | | | | | ● | 57,0 - 59,0 | 1,0 |
| 725070 | 71 | 85 | | | 79,5 | TNS 65 | ● | 8,0 - 65,0 | 1,0 |
| 722 | 44,4 | 55 | 42 | 8,5 | 55,5 | | ● | 3,0 - 7,0 | 1,0 |
| | | | | | | | ● | 8,0 & 9,0 | |
| | | | | | | | ● | 10,0 - 37,0 | 1,0 |

PR = per request

Custom solutions can be delivered for all pick-up collets.

DRAW-IN COLLETS-SW



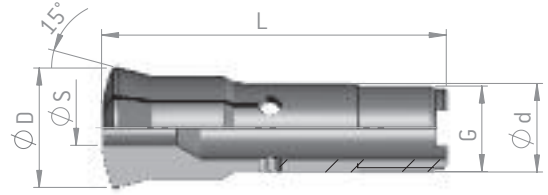
| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | thread G | inside shape | clamping range (mm) | increments (mm) |
|----------|---------------|---------------|---------------|--------------------------------------|--------------|---------------------|-----------------|
| SW 20 | 20 | 26,3 | 73 | $\phi 19,7 \times 1,666$ 45° / 5° | ● | 0,5 - 1,0 | 0,1 |
| | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | 3,0 - 14,5 | 0,5 |
| | | | | | | 14,5 - 16,0 | 0,5 |
| | | | | | ● | PR | PR |
| SW 25 | 25 | 33,7 | 97,6 | $\phi 24,7 \times 1,693$ 45° / 5° | ● | 0,5 - 1,0 | 0,1 |
| | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | 3,0 - 19,0 | 0,5 |
| | | | | | ● | PR | PR |
| SW 25 VB | 25 | 33,7 | 112 | $\phi 24,7 \times 1,693$ 45° / 5° | ● | 0,5 - 1,0 | 0,1 |
| | | | | | | 1,5 - 2,5 | 0,5 |
| | | | | | | 3,0 - 19,0 | 0,5 |
| | | | | | ● | PR | PR |
| SB 32 | 32 | 40 | 106 | $\phi 25,7 \times 1,693$ 45° / 5° | ● | 3,0 - 23,5 | 0,5 |
| | | | | | | 24 - 28,0 | 0,5 |
| | | | | | ● | PR | PR |

PR = per request



Custom solutions can be delivered for all draw-in collets with extended nose.

DRAW-IN COLLETS-HYDROMAT



| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | thread G | inside shape | clamping range (mm) | steps clamping length | increments (mm) |
|-------------|---------------|---------------|---------------|--------------------------------------|--------------|---------------------|-----------------------|-----------------|
| SHW 20 | 20 | 26,3 | 96,5 | $\phi 19,7 \times 1,666$ 45° / 5° | ● | 1,0 - 3,0 | 31 | 0,1 |
| | | | | | | 3,5 - 13,5 | | 0,5 |
| | | | | | | 14,0 - 20,0 | | 0,5 |
| | | | | | | ● | ■ | a.A. / PR |
| SHW 25 | 25 | 33,7 | 97,6 | $\phi 24,7 \times 1,693$ 45° / 5° | ● | 1,0 - 3,0 | 31 | 0,1 |
| | | | | | | 3,5 - 17,5 | | 0,5 |
| | | | | | | 18,0 - 25,0 | | 0,5 |
| | | | | | | ● | ■ | a.A. / PR |
| SHB 32 | 32 | 40 | 106 | $\phi 29,7 \times 1,693$ 45° / 5° | ● | 3,0 - 23,5 | 44 | 0,5 |
| | | | | | | 24,0 - 28,0 | | 0,5 |
| | | | | | | ● | ■ | a.A. / PR |
| SHB 32 / 45 | 32 | 53 | 122 | $\phi 29,7 \times 1,693$ 45° / 5° | ● | 3,0 - 23,5 | 50 | 0,5 |
| | | | | | | 24,0 - 41,0 | | 0,5 |
| | | | | | | ● | ■ | a.A. / PR |
| SHB 45 | 45 | 53 | 115 | M 42 x 1,5 | ● | 3,0 - 36,0 | 53 | 0,5 |
| | | | | | | 36,5 - 41,0 | | 0,5 |
| | | | | | | ● | ■ | a.A. / PR |

PR = per request

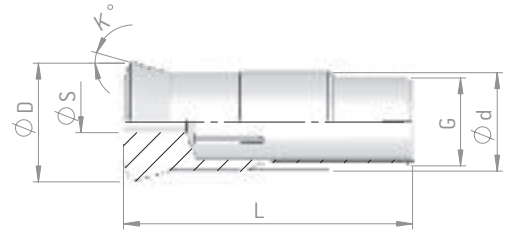


Custom solutions can be delivered for all draw-in collets-Hydromat.

All draw-in collets-Hydromat available in quick change version.



ADJUSTABLE GUIDE BUSHINGS WITH CARBIDE INSERT



| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | cone α (degree) | thread G | inside shape | clamping range (mm) | increments (mm) |
|-----------------|---------------|---------------|---------------|------------------------|---------------|--------------|---------------------|-----------------|
| F 351 | 9 | 13 | 50 | 30 | M 8 x 0,6 | ● | 0,8 - 5,5 | 0,1 |
| I 351 | 9 | 12,5 | 44 | 16 | M 8 x 0,75 | ● | 0,8 - 5,6 | 0,1 |
| F 352 | 11 | 15 | 50 | 30 | M 10 x 0,6 | ● | 1,0 - 7,5 | 0,1 |
| I 352 | 11 | 14,5 | 53 | 16 | M 10 x 0,8 | ● | 1,0 - 7,0 | 0,1 |
| F 3001 / TD7 | 11 | 14,5 | 53 | 16 | M 10 x 0,75 | ● | 1,0 - 7,0 | 0,1 |
| F 103 | 12 | 16 | 50 | 30 | M 12 x 1 | ● | 1,0 - 7,5 | 0,1 |
| T 340 | 13 | 16 | 41,5 | 15 | M 12,5 x 0,75 | ● | 1,0 - 8,0 | 0,1 |
| T 330 | 14 | 18 | 63 | 16 | M 13 x 0,75 | ● | 1,0 - 9,0 | 0,1 |
| I 353 | 16 | 19,5 | 59 | 16 | M 14 x 1 | ● | 1,0 - 10,5 | 0,1 |
| ● | | | | | | 3,0 - 10,0 | 1,0 | |
| ■ | | | | | | 3,0 - 6,0 | 1,0 | |
| F 850 | 16 | 20 | 52 | 30 | M 16 x 1 | ● | 1,0 - 12,0 | 0,1 |
| F 853 | 18 | 22 | 60 | 30 | M 16 x 1 | ● | 1,0 - 13,0 | 0,1 |
| | | | | | | ● | 4,0 - 13,0 | 1,0 |
| | | | | | | ■ | 3,0 - 8,0 | 1,0 |
| F 104 | 20 | 24 | 55 | 30 | M 20 x 1 | ● | 2,0 - 13,0 | 0,1 |
| T 221 SNC15 | 21 | 24 | 57,5 | 12 | M 18 x 1 | ● | 3,0 - 15,0 | 0,5 |
| | | | | | | ● | 4,0 - 12,0 | 1,0 |
| | | | | | | ■ | 3,0 - 8,0 | 1,0 |
| I 354 | 22 | 29 | 68 | 16 | M 19 x 1 | ● | 2,0 - 15,0 | 0,5 |
| | | | | | | ● | 4,0 - 13,0 | 1,0 |
| | | | | | | ■ | 3,0 - 10,0 | 1,0 |
| F 391 TD20 R | 22 | 29 | 68 | 16 | M 22 x 1 | ● | 3,0 - 18,0 | 0,5 |
| | | | | | | ● | 4,0 - 14,0 | 1,0 |
| | | | | | | ■ | 3,0 - 12,0 | 1,0 |
| F 605 0201 | 24 | 29,5 | 61 | 30 | M 24 x 1 | ● | 2,0 - 17,0 | 0,5 |
| | | | | | | ● | 4,0 - 15,0 | 1,0 |
| | | | | | | ■ | 3,0 - 12,0 | 1,0 |
| TD 26 | 26 | 29 | 77 | 16 | M 25 x 1 | ● | 2,0 - 20,0 | 0,5 |
| | | | | | | ● | 4,0 - 16,0 | 1,0 |
| | | | | | | ■ | 3,0 - 13,0 | 1,0 |

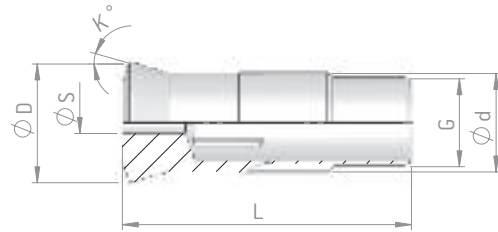
>> Table to be continued



Custom solutions can be delivered for all guide bushings.

All guide bushings available with enlarged guide area and oversize.

ADJUSTABLE GUIDE BUSHINGS WITH CARBIDE INSERT



| part no. | ϕd (mm) | ϕD (mm) | length L (mm) | cone α (degree) | thread G | inside shape | clamping range (mm) | increments (mm) |
|---------------|---------------|---------------|---------------|------------------------|----------|--------------|---------------------|-----------------|
| T 223 | 28 | 34 | 82 | 16 | M 25 x 1 | ● | 3,0 - 21,0 | 0,5 |
| TD25 NS | | | | | | 22,0 | | |
| TD 255 | | | | | | ● | 3,0 - 17,0 | 1,0 |
| | | | | | | ■ | 3,0 - 14,0 | 1,0 |
| T 223 | 28 | 34 | 82 | 16 | M 27 x 1 | ● | 22,0 | |
| I 357 | 28 | 38 | 81 | 30 | M 25 x 1 | ● | 3,0 - 21,0 | 0,5 |
| TD25 | | | | | | ● | 4,0 - 17,0 | 1,0 |
| | | | | | | ■ | 3,0 - 14,0 | 1,0 |
| F 355 | 32 | 39 | 71 | 30 | M 32 x 1 | ● | 3,0 - 22,0 | 0,5 |
| T 227 | 34 | 41 | 87,5 | 10 | M 34 x 1 | ● | 3,0 - 25,0 | 0,5 |
| CD25 | | | | | | ● | 4,0 - 22,0 | 1,0 |
| | | | | | | ■ | 3,0 - 15,0 | 1,0 |
| F 854 | 40 | 48 | 71 | 30 | M 36 x 1 | ● | 3,0 - 26,0 | 1,0 |
| F 105 | 40 | 48 | 71 | 30 | M 40 x 1 | ● | 3,0 - 26,0 | 1,0 |
| T 229 | 42 | 49 | 82 | 16 | M 40 x 1 | ● | 4 - 32,0 | 1,0 |
| TD32 S | | | | | | | 33,0 | |
| | | | | | | ● | 4,0 - 27,0 | 1,0 |
| | | | | | | ■ | 3,0 - 25,0 | 1,0 |
| TD 32 | 42 | 48 | 82 | 20 | M 40 x 1 | ● | 4,0 - 32,0 | 1,0 |
| | | | | | | | 33,0 | |
| | | | | | | ● | 4,0 - 27,0 | 1,0 |
| | | | | | | ■ | 3,0 - 25,0 | |
| ML 36 | 44 | 51 | 82 | 16 | M 42 x 1 | ● | 3,0 - 35,0 | 1,0 |
| ST 38 / STM38 | 48 | 54 | 82 | 16 | M 46 x 1 | ● | 3,0 - 38,0 | 1,0 |



All guide bushings also available with BL-coating.

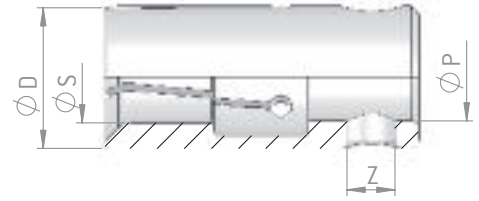


In S-Slot design.



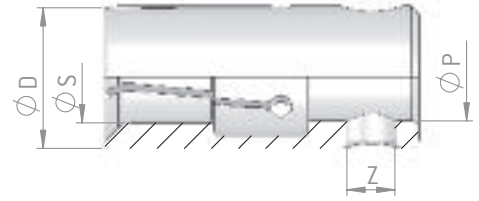
Guide bushing also in SB available.

CAV - BAR FEED COLLETS



| part no. | Channel | ø D (mm) | ø Z (mm) | length L (mm) | clamping range (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 | 55 | 2,99 - 13,87 |
| CAV 17 | 17 | 17 | 10 | 55 | 13,87 - 15,97 |
| CAV 19 | 19 | 19 | 10 | 55 | 15,97 - 16,99 |
| CAV21 | 21 | 21 | 10 | 55 | 17 - 19 |
| CAV25 | 25 | 25 | 16 | 76 | 5,08 - 22,22 |
| CAV32 | 32 | 25/32 | 16 | 76 | 15,5 - 29,5 |
| CAV34 | 34 | 25/34 | 16 | 76 | 19 - 31 |

BAR FEED COLLETS FOR BAR LOADERS

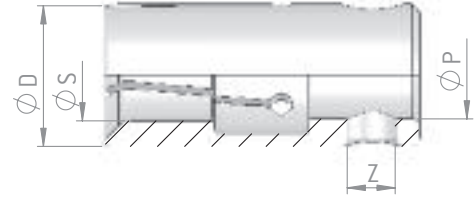


| part no. | Channel | ø D (mm) | ø Z (mm) | ø P (mm) | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|----------|----------|----------|---------------|---------------------|-----------------|
| 200 E | D 5 | 5 / 5,5 | | M 4 | 37 | 1,0 - 1,4 | 0,1 |
| | | | | | | 1,5 - 4,5 | 0,1 |
| 208 E | D 7 | 7 / 7,5 | | M 5 | 37 | 1,0 - 1,4 | 0,1 |
| | | | | | | 1,5 - 5,9 | 0,1 |
| | | | | | | 6,0 - 6,2 | 0,1 |
| Bechler | D 7 | 7 | | M 4 | 30 | PR | PR |
| 210 E | D 10 | 10 | 4 | 7 H 7 | 40 | 1,0 - 1,5 | 0,5 |
| | | | | | | 2,0 - 3,5 | 0,5 |
| | | | | | | 4,0 - 8,5 | 0,5 |
| | | | | | | 9,0 - 10,0 | 0,5 |
| Bechler | D 10 | 10 | | M 5 | 26 | 2,0 - 8,5 | 0,5 |
| 212 E | D 12 | 12 | 4 | 8 H 7 | 40 | 3,0 - 3,5 | 0,5 |
| | | | | | | 4,0 - 9,5 | 0,5 |
| | | | | | | 10,0 - 11,0 | 0,5 |
| 213 E | D 13 | 13 | 4 | 8 H 7 | 40 | 2,0 - 4,0 | 0,5 |
| | | | | | | 4,5 - 12,0 | 0,5 |
| 203 E | D 15 | 15 | 6 | 11 H 7 | 40 | 3,0 - 3,5 | 0,5 |
| | | | | | | 4,0 - 13,0 | 0,5 |
| | | | | | | 13,5 - 14,0 | 0,5 |
| SHK 16 | D 16 | 16 | 6 | 11 H 7 | 40 | 3,0 - 3,5 | 0,5 |
| | | | | | | 4,0 - 13,0 | 0,5 |
| | | | | | | 13,5 - 15,0 | 0,5 |
| 218 E | D 18 | 18 | 6 | 11 H 7 | 40 | 3,0 - 4,5 | 0,5 |
| | | | | | | 5,0 - 16,0 | 0,5 |
| 225 E | D 20 | 20 | 8 | 14 H 7 | 65 | 4,0 - 5,5 | 0,5 |
| | | | | | | 6,0 - 18,0 | 0,5 |
| | | | | | | 18,5 - 19,0 | 0,5 |
| SHK 21 | D 21 | 21 | 8 | 14 H 7 | 65 | PR | PR |
| SHK 22 | D 22 | 22 | 8 | 14 H 7 | 65 | PR | PR |
| SHK 23 | D 23 | 23 | 8 | 14 H 7 | 65 | PR | PR |
| 222 E | D 25 | 25 | 8 | 20 H 7 | 65 | 4,0 - 5,5 | 0,5 |
| | | | | | | 6,0 - 23,0 | 0,5 |
| | | | | | | 23,5 - 24,0 | 0,5 |
| 227 E | D 28 | 28 | 8 | 20 H 7 | 65 | 3,0 - 7,5 | 0,5 |
| | | | | | | 8,0 - 25,0 | 1,0 |
| | | | | | | 25,5 - 26,5 | 0,5 |

PR = per request

>> Table to be continued

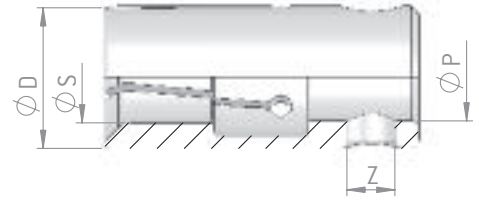
BAR FEED COLLETS FOR BAR LOADERS



| part no. | Channel | ϕD (mm) | ϕZ (mm) | ϕP (mm) | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|---------------|---------------|---------------|---------------|---------------------|-----------------|
| SHK 30 | D 30 | 30 | 8 | 20 H 7 | 65 | 6,0 - 9,5 | 0,5 |
| | | | | | | 10,0 - 25,5 | 0,5 |
| | | | | | | 26,0 - 28,0 | 0,5 |
| SHK 32 | D 32 | 32 | 8 | 20 H 7 | 65 | 6,0 - 9,5 | 0,5 |
| | | | | | | 10,0 - 28,5 | 0,5 |
| | | | | | | 29,0 - 30,0 | 0,5 |
| SHK 34 | D 34 | 34 | 8 | 20 H 7 | 65 | 10,0 - 32,0 | 0,5 |
| SHK 36 | D 36 | 36 | 8 | 20 H 7 | 65 | 8,0 - 9,5 | 0,5 |
| | | | | | | 10,0 - 30,0 | 0,5 |
| | | | | | | 30,5 - 33,0 | 0,5 |
| | | | | | | 4,0 - 10,0 | 1,0 |
| | | | | | | 4,5 - 10,5 | 1,0 |
| | | | | | | 11,0 - 24,0 | 1,0 |
| | | | | | | 11,5 - 21,5 | 1,0 |
| | | | | | | | |

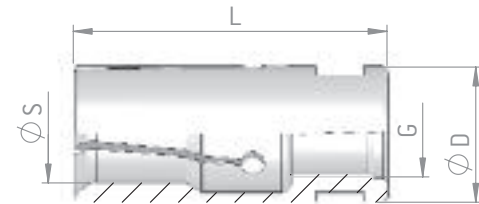
Additional cost for bar feed collets ◆ ■ from channel D 10 - D 36

TRAUB BAR FEED COLLETS



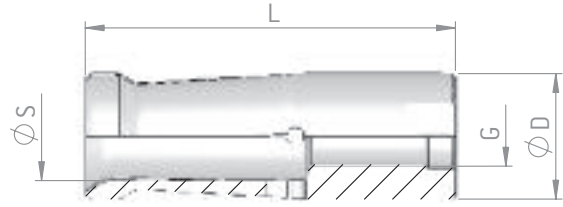
| part no. | channel | ø D (mm) | thread G | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|----------|------------|---------------|---------------------|-----------------|
| 12 G | D 12 | 11 | M 8 x 1 | 50 | 3,0 - 10,0 | 1,0 |
| 16 G | D 16 | 14 | M 10 x 1 | 65 | 3,0 - 13,0 | 1,0 |
| 20 G | D 20 | 19 | M 12 x 1 | 65 | 3,0 - 18,0 | 1,0 |
| 23 G | D 23 | 21 | M 12 x 1 | 65 | 5,0 - 18,0 | 1,0 |
| 26 G | D 26 | 24 | M 17 x 1 | 65 | 4,0 - 22,5 | 1,0 |
| 30 G | D 30 | 28 | M 17 x 1 | 65 | 3,0 - 26,0 | 1,0 |
| 33 G | D 33 | 32 | M 17 x 1 | 65 | 10,0 - 30,0 | 1,0 |
| 36 G | D 36 | 34 | M 25 x 1,5 | 65 | 4,0 - 32,0 | 1,0 |

CUCCHI BAR FEED COLLETS



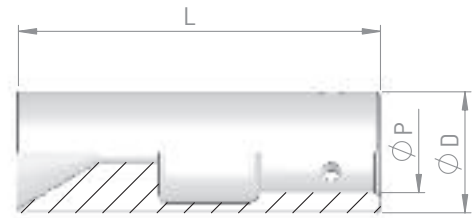
| part no. | ø D (mm) | thread G | length L (mm) | clamping range (mm) |
|----------|----------|--------------|---------------|---------------------|
| PB 28 | 28 | M 18 x 1,5 L | 65 | 10,0 - 26,0 |
| PB 29 | 29 | M 18 x 1,5 L | 65 | 10,0 - 27,0 |
| PB 30 | 30 | M 18 x 1,5 L | 65 | 10,0 - 28,0 |
| PB 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 | 70 | 20,0 - 40,0 |

BAR FEED COLLETS EDGE & IEMCA STYLE



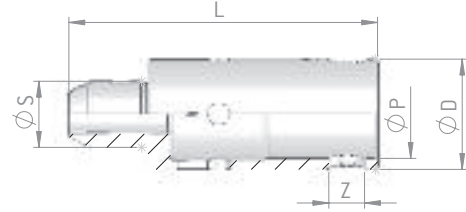
| part no. | channel | ø D (mm) | thread G | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|----------|------------|---------------|---------------------|-----------------|
| SE 7,5 | D 7,5 | 7,5 | M 5 x 0,5 | 40 | 2,0 - 6,5 | 0,5 |
| SE 10 | D 10 | 10 | M 6 x 0,75 | 40 | 2,0 - 8,0 | 0,5 |
| SE 12 | D 12 | 12 | M 7 x 0,75 | 42 | 2,0 - 10,0 | 0,5 |
| SE 15 | D 15 | 15 | M 8 x 1 | 42 | 4,0 - 13,0 | 0,5 |
| SE 16 | D 16 | 16 | M 8 x 1 | 42 | 7,0 - 14,0 | 0,5 |
| SE 18 | D 18 | 18 | M 8 x 1 | 42 | 12,5 - 16,0 | 0,5 |
| SE 20 | D 20 | 20 | M 10 x 1 | 59 | 4,0 - 18,0 | 0,5 |
| SE 22 | D 20 | 20 | M 10 x 1 | 59 | 14,0 - 20,0 | 0,5 |
| SE 23 | D 23 | 23 | M 10 x 1 | 59 | 14,0 - 21,0 | 0,5 |
| SE 25 | D 25 | 25 | M 10 x 1 | 59 | 17,0 - 23,0 | 0,5 |
| SE 27 | D 27 | 27 | M 10 x 1 | 59 | 19,0 - 25,0 | 0,5 |
| SE 30 | D 30 | 30 | M 10 x 1 | 59 | 3,0 - 28,0 | 0,5 |
| SE 32 | D 32 | 32 | M 25 x 1,5 | 78 | 25,0 - 30,0 | 0,5 |
| SE 34 | D 34 | 34 | M 25 x 1,5 | 78 | 8,0 - 32,0 | 0,5 |
| SE 35 | D 35 | 35 | M 25 x 1,5 | 78 | 20,0 - 33,0 | 0,5 |
| SE 37 | D 37 | 37 | M 25 x 1,5 | 78 | 31,0 - 35,0 | 0,5 |
| SE 38 | D 38 | 38 | M 25 x 1,5 | 78 | 31,0 - 35,0 | 0,5 |
| SE 40 | D 40 | 40 | M 25 x 1,5 | 78 | 20,0 - 37,0 | 0,5 |
| SE 42 | D 42 | 42 | M 25 x 1,5 | 78 | 20,0 - 40,0 | 0,5 |
| SE 45 | D 45 | 45 | M 25 x 1,5 | 80 | 20,0 - 42,0 | 0,5 |
| SE 46 | D 46 | 46 | M 25 x 1,5 | 80 | 20,0 - 44,0 | 0,5 |
| SE 50 | D 50 | 50 | M 25 x 1,5 | 80 | 44,0 - 47,0 | 0,5 |
| SE 51 | D 51 | 51 | M 25 x 1,5 | 80 | 43,0 - 48,0 | 0,5 |
| SE 55 | D 55 | 55 | M 25 x 1,5 | 80 | 20,0 - 54,0 | 0,5 |
| SE 56 | D 56 | 56 | M 25 x 1,5 | 80 | 20,0 - 54,0 | 0,5 |
| SE 58 | D 58 | 58 | M 25 x 1,5 | 80 | 20,0 - 54,0 | 0,5 |
| SE 60 | D 60 | 60 | M 25 x 1,5 | 80 | 20,0 - 57,0 | 0,5 |
| SE 65 | D 65 | 65 | M 25 x 1,5 | 80 | 56,0 - 63,0 | 0,5 |
| SE 70 | D 70 | 70 | M 25 x 1,5 | 80 | 60,0 - 68,0 | 0,5 |
| SE 75 | D 75 | 75 | M 25 x 1,5 | 80 | 67,0 - 72,0 | 0,5 |

GUIDE SLEEVES FOR BAR LOADERS (VKK)



| part no. | 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 15 | 15,3 | 11 H 7 | 40 |
| VKK 20 | 20,3 | 14 H 7 | 65 |
| VKK 25 | 25,3 | 20 H 7 | 65 / 90 |
| VKK 28 | 28,3 | 20 H 7 | 65 / 90 |
| VKK 30 | 30,3 | 20 H 7 | 65 / 90 |
| VKK 32 | 32,3 | 20 H 7 | 65 / 90 |
| VKK 36 | 36,3 | 20 H 7 | 65 / 90 |
| VKK 38 | 38,3 | 20 H 7 | 65 / 90 |
| VKK 40 | 40,3 | 20 H 7 | 65 / 90 |
| VKK 42 | 42,3 | 20 H 7 | 90 |
| VKK 45 | 45,3 | 20 H 7 | 90 |
| VKK 50 | 50,3 | 20 H 7 | 90 |
| VKK 60 | 60,3 | 20 H 7 | 90 |
| VKK 65 | 65,3 | 20 H 7 | 90 |
| VKK 67 up to 100 | | | |

INSIDE CLAMPING SLEEVES SHK



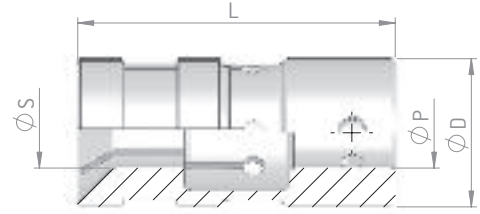
| part no. | ø D (mm) | ø Z (mm) | ø P (mm) | length L (mm) | increments (mm) |
|-----------------------|----------|----------|----------|---------------|-----------------|
| SHKI 7 | 7 | | M 5 | 37 | 1,0 |
| SHKI 10 | 10 | 4 | 7 | 40 | 1,0 |
| SHKI 12 | 12 | 4 | 8 | 40 | 1,0 |
| SHKI 15 | 15 | 6 | 11 | 40 | 1,0 |
| SHKI 18 | 18 | 6 | 11 | 40 | 1,0 |
| SHKI 20 | 20 | 8 | 14 | 65 | 1,0 |
| SHKI 25 | 25 | 8 | 20 | 65 | 1,0 |
| SHKI 28 up to SHKI 50 | 28 - 50 | 8 | 20 | PR | PR |

PR = per request



Inside clamping sleeves can also be delivered sealed.

FMB TURBO-BAR FEED COLLETS



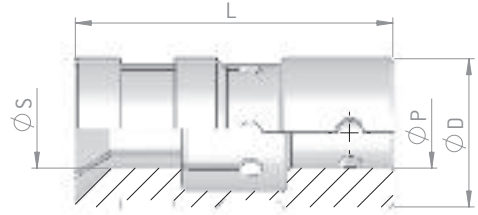
| part no. | channel | o D (mm) | o P (mm) | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|----------|----------|---------------|---------------------|-----------------|
| SHT 25 | D 25 | 25 | 20 H 7 | 90 | 4,0 - 7,5 | 0,5 |
| | | | | | 8,0 - 20,0 | 0,5 |
| | | | | | 20,5 - 23,0 | 0,5 |
| SHT 28 | D 28 | 28 | 20 H 7 | 90 | PR | PR |
| | | | | | PR | PR |
| SHT 30 | D 30 | 30 | 20 H 7 | 90 | 5,0 - 8,0 | 1,0 |
| | | | | | 9,0 - 27,0 | 0,5 |
| | | | | | 27,5 - 28,0 | 0,5 |
| SHT 32 | D 32 | 32 | 20 H 7 | 90 | 5,0 - 8,5 | 0,5 |
| | | | | | 9,0 - 28,0 | 0,5 |
| | | | | | 28,5 - 30,0 | 0,5 |
| SHT 34 | D 34 | 34 | 20 H 7 | 90 | PR | PR |
| SHT 35 | D 35 | 35 | 20 H 7 | 90 | PR | PR |
| SHT 36 | D 36 | 36 | 20 H 7 | 90 | 6,0 - 9,0 | 1,0 |
| | | | | | 10,0 - 30,0 | 0,5 |
| | | | | | 30,5 - 33,0 | 0,5 |
| | | | | | 33,5 - 34,0 | 0,5 |
| SHT 38 | D 38 | 38 | 20 H 7 | 90 | PR | PR |
| SHT 40 | D 40 | 40 | 20 H 7 | 90 | 10,0 - 36,0 | 1,0 |
| | | | | | 36,5 - 38,0 | PR |
| SHT 42 | D 42 | 42 | 20 H 7 | 90 | 6,0 - 10,0 | 1,0 |
| | | | | | 11,0 - 39,0 | 0,5 |
| | | | | | 39,5 - 40,0 | 0,5 |
| | | | | | 40,5 | |
| SHT 44 | D 44 | 44 | 20 H 7 | 90 | PR | PR |
| SHT 45 | D 45 | 45 | 20 H 7 | 90 | 6,0 - 11,0 | 1,0 |
| | | | | | 12,0 - 42,0 | 1,0 |
| | | | | | 42,5 - 43,0 | 0,5 |
| SHT 50 | D 50 | 50 | 20 H 7 | 90 | 6,0 - 12,0 | 1,0 |
| | | | | | 13,0 - 44,0 | 1,0 |
| | | | | | 45,0 - 47,0 | 1,0 |
| | | | | | 47,5 - 48,0 | 0,5 |
| SHT 54 | D 54 | 54 | 20 H 7 | 90 | PR | PR |
| SHT 55 | D 55 | 55 | 20 H 7 | 90 | PR | PR |

PR = per request

FMB TURBO-BAR FEED COLLETS



Sample collet with spring for reinforcement



| part no. | channel | o D (mm) | o P (mm) | length L (mm) | clamping range (mm) | increments (mm) |
|--|---------|----------|-------------|---------------|---------------------|-----------------|
| SHT 60 | D 60 | 60 | 20 H 7 | 90 | 10,0 - 15,0 | 1,0 |
| | | | | | 16,0 - 55,0 | 1,0 |
| | | | | | 56,0 - 57,0 | 1,0 |
| | | | | | 58,0 | |
| SHT 63 | D 63 | 63 | 20 H 7 | 90 | PR | PR |
| SHT 65 | D 65 | 65 | 20 H 7 | 90 | 8,0 - 15,0 | 1,0 |
| | | | | | 16,0 - 60,0 | 1,0 |
| | | | | | 61,0 - 63,0 | 1,0 |
| SHT 70 | D 70 | 70 | 20 H 7 | 90 | PR | PR |
| SHT 75 | D 75 | 75 | 20 / 35 H 7 | 90 | PR | PR |
| SHT 80 | D 80 | 80 | 35 H 7 | 90 | 40,0 - 76,0 | 1,0 |
| SHT 90 | D 90 | 90 | 35 H 7 | 90 | 50,0 - 84,0 | 1,0 |
| SHT 100 | D 100 | 100 | 35 H 7 | 110 | 60,0 - 95,0 | 1,0 |
| Additional cost for turbo-bar feed collets | | | | | 4,0 - 10,0 | 1,0 |
| | | | | | 11,0 - 20,0 | 1,0 |
| | | | | | 21,0 - 30,0 | 1,0 |
| | | | | | 31,0 - 40,0 | 1,0 |
| | | | | | from 41,0 | PR |

PR = per request

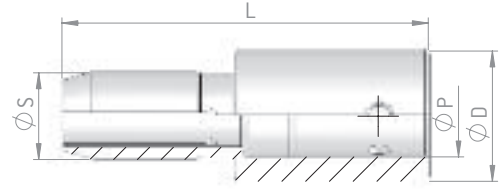
It is recommended to use turbo-bar feed collets from size D 40 with a spring.

All turbo-bar feed collets can be delivered in XT-version for XT-bar loaders.



Larger bore diameter also available in closed design.

INSIDE CLAMPING SLEEVES TURBO



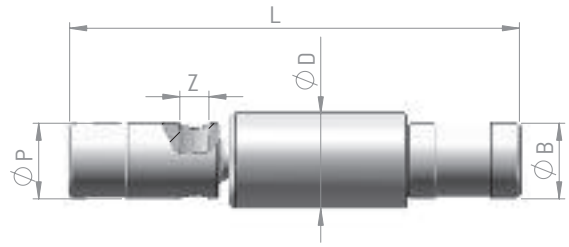
| part no. | channel | ø D (mm) | ø P (mm) | length L (mm) | clamping range (mm) | increments (mm) |
|----------|---------|----------|-------------|---------------|---------------------|-----------------|
| SHTI 25 | D 25 | 25 | 20 H 7 | 90 | 10,0 - 20,0 | 1,0 |
| | | | | | 21,0 - 23,0 | 1,0 |
| SHTI 28 | D 28 | 28 | 20 H 7 | 90 | PR | PR |
| SHTI 30 | D 30 | 30 | 20 H 7 | 90 | PR | PR |
| SHTI 32 | D 32 | 32 | 20 H 7 | 90 | PR | PR |
| SHTI 34 | D 34 | 34 | 20 H 7 | 90 | PR | PR |
| SHTI 35 | D 35 | 35 | 20 H 7 | 90 | PR | PR |
| SHTI 36 | D 36 | 36 | 20 H 7 | 90 | PR | PR |
| SHTI 38 | D 38 | 38 | 20 H 7 | 90 | PR | PR |
| SHTI 40 | D 40 | 40 | 20 H 7 | 90 | PR | PR |
| SHTI 42 | D 42 | 42 | 20 H 7 | 90 | PR | PR |
| SHTI 44 | D 44 | 44 | 20 H 7 | 90 | PR | PR |
| SHTI 45 | D 45 | 45 | 20 H 7 | 90 | PR | PR |
| SHTI 50 | D 50 | 50 | 20 H 7 | 90 | PR | PR |
| SHTI 54 | D 54 | 54 | 20 H 7 | 90 | PR | PR |
| SHTI 58 | D 58 | 58 | 20 H 7 | 90 | PR | PR |
| SHTI 60 | D 60 | 60 | 20 H 7 | 90 | PR | PR |
| SHTI 63 | D 63 | 63 | 20 H 7 | 90 | PR | PR |
| SHTI 65 | D 65 | 65 | 20 H 7 | 90 | PR | PR |
| SHTI 70 | D 70 | 70 | 20 H 7 | 90 | PR | PR |
| SHTI 75 | D 75 | 75 | 20 / 35 H 7 | 90 | PR | PR |
| SHTI 80 | D 80 | 80 | 35 H 7 | 90 | PR | PR |
| SHTI 90 | D 90 | 90 | 35 H 7 | 90 | PR | PR |
| SHTI 100 | D 100 | 100 | 35 H 7 | 110 | PR | PR |

PR = per request



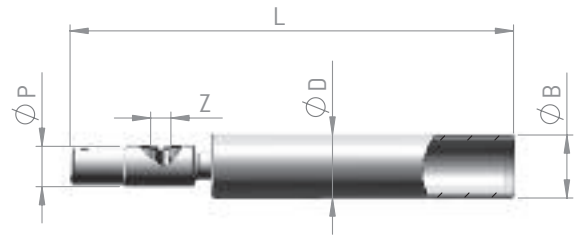
Inside clamping sleeves turbo can be delivered sealed.

ROTATING INSERTS FOR BAR LOADERS



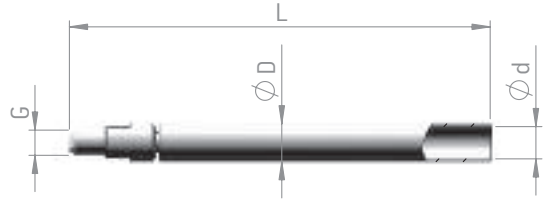
| part no. | manufacturer | ø D (mm) | ø B (mm) | ø Z (mm) | ø P (mm) | entire length (mm) |
|----------|-------------------------|----------|----------|----------|----------|--------------------|
| D 10 | FMB, lemca, Irco | 10,5 | 8 | 4 | 7 | 100 |
| D 12 | FMB, lemca, Irco | 12,5 | 8 | 4 | 8 | 100 |
| D 13 | FMB, lemca, Irco | 13,5 | 8 | 4 | 8 | 100 |
| D 15 | FMB, lemca, Irco, Traub | 15 | 12 | 6 | 11 | 100 |
| D 18 | FMB, lemca, Irco, Traub | 18 | 12 | 6 | 11 | 100 |
| D 20 | FMB, lemca, Irco, Traub | 20 | 17 | 8 | 14 | 116 |
| D 22 | FMB, lemca, Irco, Traub | 22 | 17 | 8 | 14 | 116 |
| D 25 | FMB, lemca, Irco, Traub | 25 | 20 | 8 | 20 | 119 |
| D 30 | FMB, lemca, Irco, Traub | 30 | 20 | 8 | 20 | 119 |
| D 32 | FMB, lemca, Irco, Traub | 32 | 20 | 8 | 20 | 119 |
| D 36 | FMB, lemca, Irco, Traub | 36 | 20 | 8 | 20 | 119 |

ROTATING INSERTS FOR BAR LOADERS



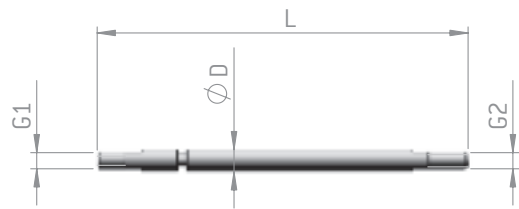
| part no. | manufacturer | ø D (mm) | ø B (mm) | ø P (mm) | ø Z (mm) | entire length (mm) |
|----------|--------------|----------|----------|----------|----------|--------------------|
| D 10 | Traub | 10,5 | 9 | 7 | 4 | 88 |
| D 12 | Traub | 12,5 | 11 | 8 | 4 | 88 |

ROTATING INSERTS FOR BAR LOADERS



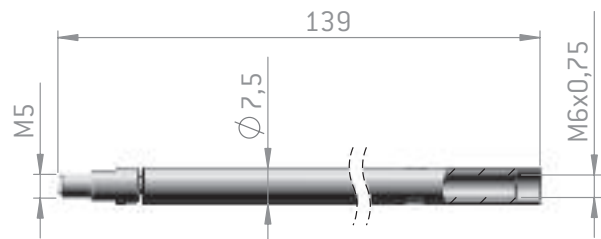
| part no. | manufacturer | o D (mm) | thread G | o d (mm) | entire length (mm) |
|----------|--------------|----------|----------|----------|--------------------|
| D 5 | FMB, Traub | 5,5 | M 4 | 4,5 | 75 |
| D 7 | FMB, Traub | 7,5 | M 5 | 6,4 | 82 |

ROTATING INSERTS FOR BAR LOADERS EDGE STYLE



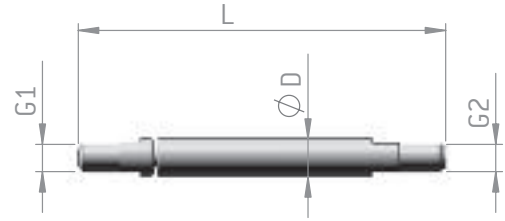
| part no. | manufacturer | o D (mm) | thread G 1 | thread G 2 | entire length (mm) |
|----------|--------------|----------|------------|------------|--------------------|
| D 5 | lemca | 5,5 | M 4 | M 4 | 90 |

ROTATING INSERTS IEMCA BAR LOADERS FOR SCHLENKER SYSTEM



| part no. | manufacturer | o D (mm) | entire length (mm) |
|----------|---------------------------|----------|--------------------|
| D 7 | lemca - Schlenker adapter | 7,5 | 139 |

ROTATING INSERTS FOR BAR LOADERS



| part no. | manufacturer | ø D (mm) | thread G 1 | thread G 2 | entire length (mm) |
|----------|--------------|----------|------------|------------|--------------------|
| ERT 0550 | Tornos | 5,5 | M 3 | M 3 | 54 |
| ERT 0700 | Tornos | 7 | M 4 | M 5 | 47 |
| ERT 0750 | Tornos | 7,5 | M 4 | M 5 | 47 |
| ERT 0850 | Tornos | 8,5 | M 5 | M 5 | 47 |
| ERT 1050 | Tornos | 10,5 | M 6 | M 6 | 52 |
| ERT 1350 | Tornos | 13,5 | M 6 | M 6 | 72 |

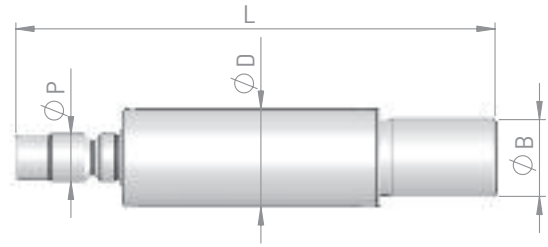
ROTATING INSERTS FOR BAR LOADERS

| part no. | manufacturer | ø D (mm) | thread G 1 | thread G 2 | entire length (mm) |
|----------|--------------|----------|------------|------------|--------------------|
| 7 TR | LNS / Tryton | 7 | M 5 | M 4 | 63 |
| 12 TR | LNS / Tryton | 12 | M 6 | M 6 | 72 |

ROTATING INSERTS FOR BAR LOADERS

| part no. | manufacturer | ø D (mm) | thread G 1 | thread G 2 | entire length (mm) |
|----------|--------------|----------|------------|------------|--------------------|
| 7 B | Bechler | 7 | M 5 | M 5 | 84 |
| 10 B [A] | Bechler | 10 | M 5 | M 5 | 84 |
| 10 B [B] | Bechler | 10 | M 5 | M 5 | 96 |

FMB TURBO ROTATING INSERTS



| part no. | ϕP (mm) | ϕD (mm) | ϕB (mm) | entirw length (mm) |
|----------|---------------|---------------|---------------|--------------------|
| D 25 | 20 | 25 | 20 | 196 |
| D 30 | 20 | 30 | 25 | 196 |
| D 32 | 20 | 32 | 25 | 196 |
| D 34 | 20 | 34 | 30 | 196 |
| D 36 | 20 | 36 | 30 | 196 |
| D 38 | 20 | 38 | 30 | 196 |
| D 40 | 20 | 40 | 33 | 206 |
| D 42 | 20 | 42 | 33 | 206 |
| D 44 | 20 | 44 | 33 | 206 |
| D 45 | 20 | 45 | 33 | 206 |
| D 50 | 20 | 50 | 42 | 206 |
| D 54 | 20 | 54 | 42 | 206 |
| D 55 | 20 | 55 | 42 | 206 |
| D 58 | 20 | 58 | 51 | 231 |
| D 60 | 20 | 60 | 51 | 231 |
| D 63 | 20 | 63 | 51 | 231 |
| D 65 | 20 | 65 | 51 | 231 |
| D 70 | 20 | 70 | 51 | 231 |
| D 75 | 20 / 35 | 75 | 65 | 231 |
| D 80 | 35 | 80 | 65 | 231 |
| D 90 | 35 | 90 | 65 | 231 |
| D 100 | 35 | 100 | 82 | 231 |

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