C ATALOGUE

PAR TS OF YOUR BUSINESS

metal • wood

www.ims.eu

1969•2019

www.ims.eu

For the past **50 years**, **IMS** has been synonymous with high quality and efficiency. In particular, our company has gone through the last twenty years of the '1900's consolidating on the national market and perfecting the agreement with the most prominent figures of the Italian industrial scene.
With the advent of the 2000's, IMS presented itself on the international market with an unparalleled know-how, immediately establishing solid partnerships and expanding its product line to better serve countries with market standards other than European ones.

PARTS OF YOUR BUSINESS

Presently, **IMS distributes its tool holders in 95 countries** around the world, boasting exclusive distributors in the **United States**, **Spain** and the **Czech Republic** and official representatives in another **24 countries**.
With a view to development aimed at improving service and aligning with the needs of industry 4.0, IMS has developed an innovative and functional concept for research and identification of the ideal product for every need. This catalog is an important step in this process made to bring together the manufacturer, retailer and user in a synergy based on the common interest: obtaining a final product that reflects the buyer's expectations.

Index HSK, Accessories, Components

p. 3 Introduction
4 How to read the catalogue

HSK | SK / BT / CAT

6 70 Collet chucks RH with collet nut for ER collet DIN 6499 / DIN 15488
8 74 Collet chucks LH with collet nut for ER collet DIN 6499 / DIN 15488
10 78 Collet chucks RH without collet nut for ER collet DIN 6499 / DIN 15488
12 82 Collet chucks LH without collet nut for ER collet DIN 6499 / DIN 15488
14 86 Collet chucks RH/LH with collet nut for collet EOC DIN 6388
16 88 Collet chucks RH/LH without collet nut for collet EOC DIN 6388
18 90 End mill holders DIN 1835/B
20 92 Face mill holders DIN 6357
22 94 Modular tool holders
24 96 Milling Arbors
30 Milling Arbors for "Weinig"
34 Milling Arbors for "SCM"
36 102 Hydro Chucks
38 Twister Hydro with adjustable height
40 106 Drill Chucks
42 108 Saw Blade Holders with/without
44 112 Counterflange Milling Chucks
46 114 Test Bars
48 116 Blank Bars
50 118 Shrink Fit Tool Holders
54 126 Shrink Fit Tool Holders - Extended version
58 136 Shrink Fit Tool Holders - Slim version
64 146 Tap Holders
65 147 Tapping Specs
66 148 Morse cone reductions DIN 228
68 Knives Arbor for "Weinig"
69 69 International Manufacturing Standards

150 **ACCESSORIES**
150 Petal Collets HSK
151 Reduced Petal Collets HSK for refurbished spindles
152 Ball clamping systems for pull stud with radius SK/BT
153 Petal Collets SK/BT/CAT
160 Standard Wrenches for collet nuts
161 Torque Wrenches for collet nuts
163 Keys for components
164 Tool Clampers and Spindle Shank Wipers
165 Plastic forks for CNC machine
166 Collet Chuck Extensions DIN 1835/A
168 Collet Chuck Extensions DIN 1835/A in inches
169 Shrink Fit Extensions
170 Extensions from modular to shrink fit
171 Extensions for modular tool holder
172 Quick change tool holders
175 Useful tips for easy collet chuck set up

176 **COMPONENTS**
176 Collet nuts
180 Twister
181 Twister mounting instructions
182 ER Collets DIN 6499/B
184 High/Ultra Precision ER Collets DIN 6499/B
186 ER Collets DIN 6499/B in imperial measures
188 EOC Collets DIN 6388/B
190 EOC Collets DIN 6388/B in imperial measures
191 E-TS Collets
192 ER collets "MF" for tapping
194 ER collets "RF" sealed
196 Cylindrical collets
197 ER Collets "AM" with traction compensation
198 Collets for Hydro Chucks
200 Pull Studs
214 Coolant Tubes
216 End Caps
217 Spacer Rings
218 Tap Collets with friction
220 Tap Collet without friction
222 Petal collet mounting instructions
223 Balancing Specs

How to read the catalogue

The catalogue structure is designed to focus attention on every aspect of the Tool holder, to **get to the product definition** without neglecting any of its features. Following the instructions of the guide, the user is accompanied in the **creation of the code** through the choice of the connection with the machine (pp. 6 and 70), the preferred tool holding systems (from page 6 for HSK and from page 70 for SK, BT and CAT), the optional features and finishes of the product. The catalog then provides special sections for the **selection of accessories** (from page 150) **and components** (from page 176). In this approach to the customer, the objective of IMS is to undertake several other initiatives designed to better understand the characteristics of the product.

PARTS OF YOUR BUSINESS

1 Define the machine connection type

2 Define the tool connection type

3 Icons summary:

Product features

waterproof · tolerance H6 · concentricity 0,0003 · mounting tips · hardness 58HRC

Recommended accessories/components

collet · collet nut · pull stud · end cap · key for flat screws · wrench for collet nut · key for cooling tubes · torque wrench for collet nut · key for twister

Available options

balancing RPM · chip socket

HSK HSK TOOL HOLDERS DIN 69893

Collet chucks LH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.

H7 · 58HRC · page 182 · page 161 · page 163 · page 223

Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB03	collet chuck with mini nut LH	ER 16	22	40	HSK 25 E	70.000
AB04	collet chuck with mini nut LH	ER 16	22	50	HSK 32 A-C-E	50.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 40 E	24.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 63 A-E-F	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 40 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 50 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 63 E-F	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 32 A-C-E	50.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 40 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 50 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 63 A-E-F	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 50 E	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 63 A-E-F	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 32 A-C-E	50.000
AB10	collet chuck with mini nut LH	ER 25	35	60	HSK 40 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 50 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 63 A-E-F	24.000
AB11	collet chuck with nut LH	ER 25	42	60	HSK 40 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 50 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 63 A-E-F	24.000
AB13	collet chuck with nut LH	ER 32	50	60	HSK 40 A-E	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 50 A-E-F	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 63 A-E-F	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 63 A-E-F	24.000

8

PARTS OF YOUR BUSINESS

Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB15	collet chuck with nut LH	ER 32	50	100	HSK 80 A	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 100 A	18.000
AB16	collet chuck with nut LH	ER 32	50	120	HSK 125 A	18.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 63 A-E-F	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 80 A	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 100 A	18.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 50 A-E	24.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 80 A	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 100 A	18.000
AB20	collet chuck with nut LH	ER 40	63	120	HSK 125 A	18.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 63 A-E-F	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 80 A	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 100 A	18.000
AB22	collet chuck with nut LH	ER 50	78	130	HSK 125 A	18.000

4 Choose the necessary features

6 Choose optional finishes

MANUFACTURING MATERIAL · OPTIONAL MATERIAL · OPTIONAL FINISHES*

STEEL · STAINLESS STEEL Cod. **M1** · ENDURANCE Cod. **Z2** · NICKEL Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

5 Optional material (other than standard)

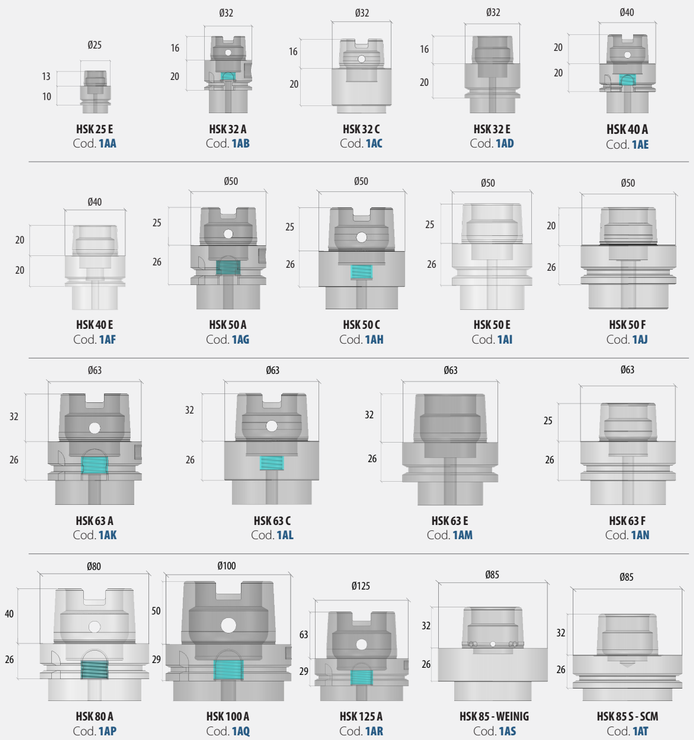
9

7 Combining codes obtained through the choices made, an IMS product code is created.
e.g.
HSK63 F + collet chuck LH ER32 L 72,5 mm
1AN + AB14 = 1AN-AB14

Part codes for available HSK CONNECTIONS*

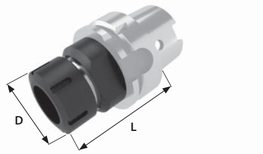
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



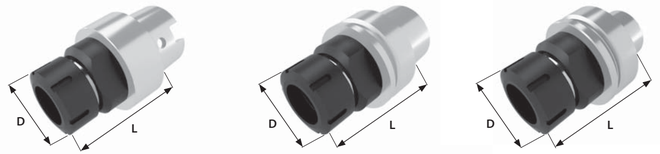
Collet chucks RH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



page 182 page 161 page 163 page 223

Part code	Description	ER	D	L	Connection	Balancing (RPM)
AA03	collet chuck with mini nut RH	ER 16	22	40	HSK 25 E	70.000
AA04	collet chuck with mini nut RH	ER 16	22	50	HSK 32 A-C-E	50.000
AA05	collet chuck with mini nut RH	ER 16	22	60	HSK 40 E	24.000
AA05	collet chuck with mini nut RH	ER 16	22	60	HSK 63 A-E-F	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 40 E	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 50 E	24.000
AA06	collet chuck with nut RH	ER 16	32	60	HSK 63 E-F	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 32 A-C-E	50.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 40 A-E	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 50 A-E	24.000
AA07	collet chuck with mini nut RH	ER 20	28	60	HSK 63 A-E-F	24.000
AA08	collet chuck with nut RH	ER 20	34	60	HSK 50 E	24.000
AA08	collet chuck with nut RH	ER 20	34	60	HSK 63 A-E-F	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 32 A-C-E	50.000
AA10	collet chuck with mini nut RH	ER 25	35	60	HSK 40 A-E	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 50 A-E	24.000
AA09	collet chuck with mini nut RH	ER 25	35	72,5	HSK 63 A-E-F	24.000
AA11	collet chuck with nut RH	ER 25	42	60	HSK 40 A-E	24.000
AA12	collet chuck with nut RH	ER 25	42	72,5	HSK 50 A-E	24.000
AA12	collet chuck with nut RH	ER 25	42	72,5	HSK 63 A-E-F	24.000
AA13	collet chuck with nut RH	ER 32	50	60	HSK 40 A-E	24.000
AA14	collet chuck with nut RH	ER 32	50	72,5	HSK 50 A-E-F	24.000
AA14	collet chuck with nut RH	ER 32	50	72,5	HSK 63 A-E-F	24.000
AA15	collet chuck with nut RH	ER 32	50	100	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AA15	collet chuck with nut RH	ER 32	50	100	HSK 80 A	24.000
AA15	collet chuck with nut RH	ER 32	50	100	HSK 100 A	18.000
AA16	collet chuck with nut RH	ER 32	50	120	HSK 125 A	18.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 63 A-E-F	24.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 80 A	24.000
AA17	collet chuck with nut RH	ER 32	50	160	HSK 100 A	18.000
AA18	collet chuck with nut RH	ER 40	63	76,5	HSK 50 A-E	24.000
AA18	collet chuck with nut RH	ER 40	63	76,5	HSK 63 A-E-F	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 63 A-E-F	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 80 A	24.000
AA19	collet chuck with nut RH	ER 40	63	100	HSK 100 A	18.000
AA20	collet chuck with nut RH	ER 40	63	120	HSK 125 A	18.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 63 A-E-F	24.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 80 A	24.000
AA21	collet chuck with nut RH	ER 40	63	160	HSK 100 A	18.000
AA22	collet chuck with nut RH	ER 50	78	130	HSK 125 A	18.000

- MANUFACTURING MATERIAL
- OPTIONAL MATERIAL
- OPTIONAL FINISHES*

STEEL

STAINLESS STEEL
Cod. **M1**

ENDURANCE
Cod. **Z2**

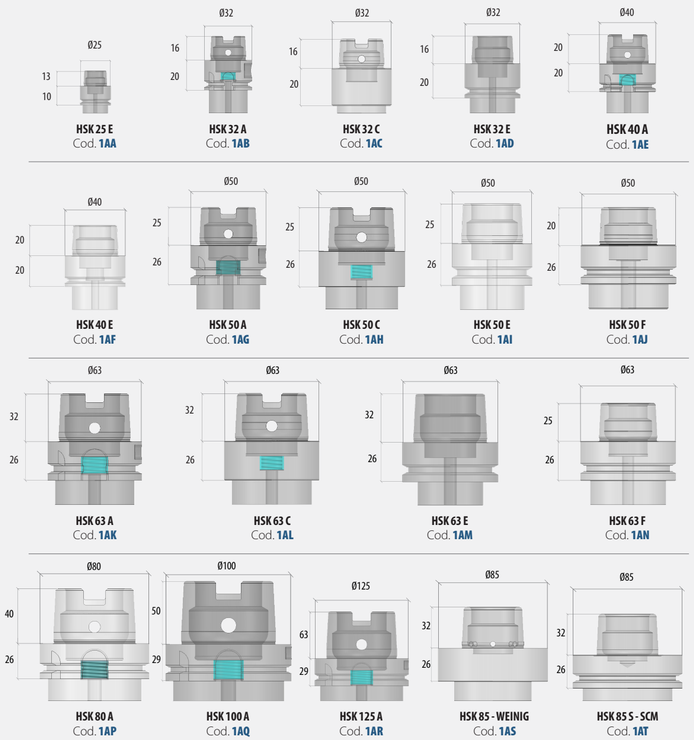
NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

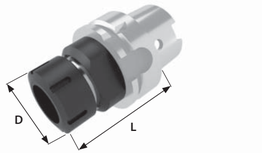
*See page 69 for the complete list of DIN manufacturing rules.



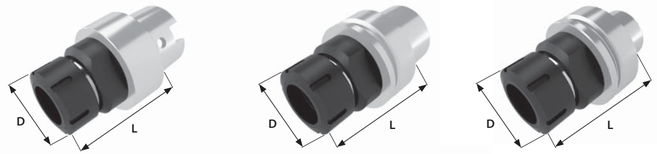
Collet chucks LH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.

page 182 page 161 page 163 page 223



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB03	collet chuck with mini nut LH	ER 16	22	40	HSK 25 E	70.000
AB04	collet chuck with mini nut LH	ER 16	22	50	HSK 32 A-C-E	50.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 40 E	24.000
AB05	collet chuck with mini nut LH	ER 16	22	60	HSK 63 A-E-F	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 40 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 50 E	24.000
AB06	collet chuck with nut LH	ER 16	32	60	HSK 63 E-F	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 32 A-C-E	50.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 40 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 50 A-E	24.000
AB07	collet chuck with mini nut LH	ER 20	28	60	HSK 63 A-E-F	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 50 E	24.000
AB08	collet chuck with nut LH	ER 20	34	60	HSK 63 A-E-F	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 32 A-C-E	50.000
AB10	collet chuck with mini nut LH	ER 25	35	60	HSK 40 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 50 A-E	24.000
AB09	collet chuck with mini nut LH	ER 25	35	72,5	HSK 63 A-E-F	24.000
AB11	collet chuck with nut LH	ER 25	42	60	HSK 40 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 50 A-E	24.000
AB12	collet chuck with nut LH	ER 25	42	72,5	HSK 63 A-E-F	24.000
AB13	collet chuck with nut LH	ER 32	50	60	HSK 40 A-E	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 50 A-E-F	24.000
AB14	collet chuck with nut LH	ER 32	50	72,5	HSK 63 A-E-F	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
AB15	collet chuck with nut LH	ER 32	50	100	HSK 80 A	24.000
AB15	collet chuck with nut LH	ER 32	50	100	HSK 100 A	18.000
AB16	collet chuck with nut LH	ER 32	50	120	HSK 125 A	18.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 63 A-E-F	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 80 A	24.000
AB17	collet chuck with nut LH	ER 32	50	160	HSK 100 A	18.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 50 A-E	24.000
AB18	collet chuck with nut LH	ER 40	63	76,5	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 63 A-E-F	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 80 A	24.000
AB19	collet chuck with nut LH	ER 40	63	100	HSK 100 A	18.000
AB20	collet chuck with nut LH	ER 40	63	120	HSK 125 A	18.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 63 A-E-F	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 80 A	24.000
AB21	collet chuck with nut LH	ER 40	63	160	HSK 100 A	18.000
AB22	collet chuck with nut LH	ER 50	78	130	HSK 125 A	18.000

- MANUFACTURING MATERIAL
- OPTIONAL MATERIAL
- OPTIONAL FINISHES*

STEEL

STAINLESS STEEL
Cod. **M1**

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

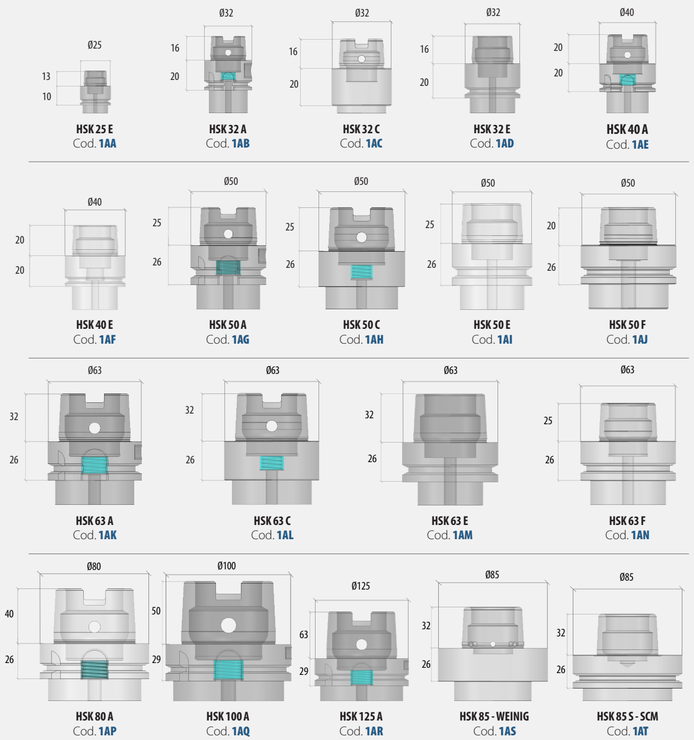
*By choosing optional materials, the specific hardness may vary.

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

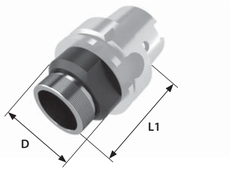
*See page 69 for the complete list of DIN manufacturing rules.



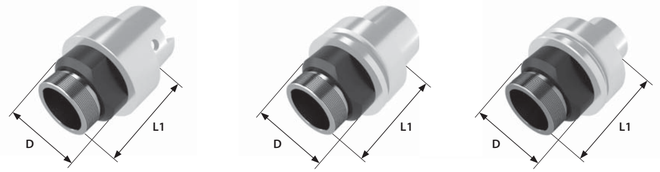
Collet chucks RH without collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.

page 182 page 178 page 161 page 163 page 223



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AC03	collet chuck without mini nut RH	ER 16	22	30	HSK 25 E	70.000
AC04	collet chuck without mini nut RH	ER 16	22	40	HSK 32 A-C-E	50.000
AC05	collet chuck without mini nut RH	ER 16	22	50	HSK 40 E	24.000
AC05	collet chuck without mini nut RH	ER 16	22	50	HSK 63 A-E-F	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 40 E	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 50 E	24.000
AC06	collet chuck without nut RH	ER 16	32	50	HSK 63 E-F	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 32 A-C-E	50.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 40 A-E	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 50 A-E	24.000
AC07	collet chuck without mini nut RH	ER 20	28	49	HSK 63 A-E-F	24.000
AC08	collet chuck without nut RH	ER 20	34	49	HSK 50 E	24.000
AC08	collet chuck without nut RH	ER 20	34	49	HSK 63 A-E-F	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 32 A-C-E	50.000
AC10	collet chuck without mini nut RH	ER 25	35	48,5	HSK 40 A-E	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 50 A-E	24.000
AC09	collet chuck without mini nut RH	ER 25	35	61	HSK 63 A-E-F	24.000
AC11	collet chuck without nut RH	ER 25	42	48,5	HSK 40 A-E	24.000
AC12	collet chuck without nut RH	ER 25	42	61	HSK 50 A-E	24.000
AC12	collet chuck without nut RH	ER 25	42	61	HSK 63 A-E-F	24.000
AC13	collet chuck without nut RH	ER 32	50	47,5	HSK 40 A-E	24.000
AC14	collet chuck without nut RH	ER 32	50	60	HSK 50 A-E-F	24.000
AC14	collet chuck without nut RH	ER 32	50	60	HSK 63 A-E-F	24.000
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 80 A	24.000
AC15	collet chuck without nut RH	ER 32	50	87,5	HSK 100 A	18.000
AC16	collet chuck without nut RH	ER 32	50	107,5	HSK 125 A	18.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 63 A-E-F	24.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 80 A	24.000
AC17	collet chuck without nut RH	ER 32	50	147,5	HSK 100 A	18.000
AC18	collet chuck without nut RH	ER 40	50	62	HSK 50 A-E	24.000
AC18	collet chuck without nut RH	ER 40	50	62	HSK 63 A-E-F	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 63 A-E-F	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 80 A	24.000
AC19	collet chuck without nut RH	ER 40	50	85,5	HSK 100 A	18.000
AC20	collet chuck without nut RH	ER 40	50	107,5	HSK 125 A	18.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 63 A-E-F	24.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 80 A	24.000
AC21	collet chuck without nut RH	ER 40	50	145,5	HSK 100 A	18.000
AC22	collet chuck without nut RH	ER 50	68	109	HSK 125 A	18.000

- MANUFACTURING MATERIAL
- OPTIONAL MATERIAL
- OPTIONAL FINISHES*

STEEL

STAINLESS STEEL
Cod. **M1**

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

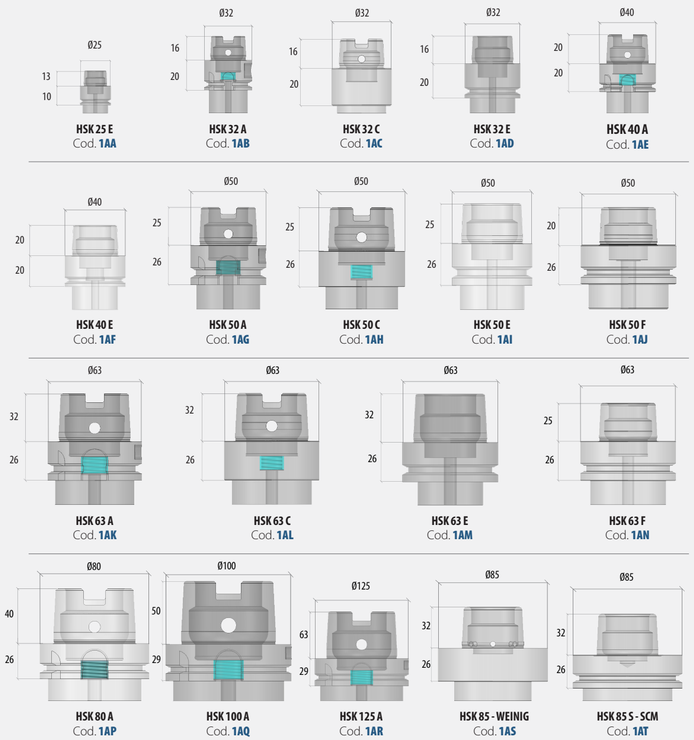
*By choosing optional materials, the specific hardness may vary.

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

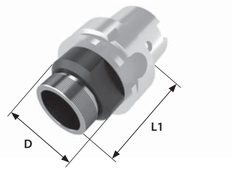
*See page 69 for the complete list of DIN manufacturing rules.



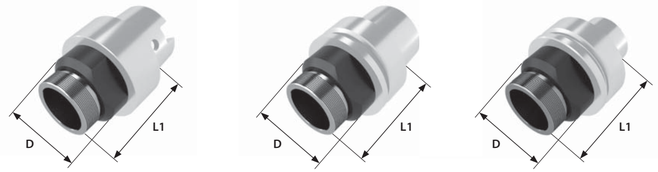
Collet chucks LH without collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.

page 182 page 178 page 161 page 163 page 223



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AD03	collet chuck without mini nut LH	ER 16	22	30	HSK 25 E	70.000
AD04	collet chuck without mini nut LH	ER 16	22	40	HSK 32 A-C-E	50.000
AD05	collet chuck without mini nut LH	ER 16	22	50	HSK 40 E	24.000
AD05	collet chuck without mini nut LH	ER 16	22	50	HSK 63 A-E-F	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 40 E	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 50 E	24.000
AD06	collet chuck without nut LH	ER 16	32	50	HSK 63 E-F	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 32 A-C-E	50.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 40 A-E	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 50 A-E	24.000
AD07	collet chuck without mini nut LH	ER 20	28	49	HSK 63 A-E-F	24.000
AD08	collet chuck without nut LH	ER 20	34	49	HSK 50 E	24.000
AD08	collet chuck without nut LH	ER 20	34	49	HSK 63 A-E-F	24.000
AD09	collet chuck without mini nut LH	ER 25	35	48,5	HSK 40 A-E	24.000
AD10	collet chuck without mini nut LH	ER 25	35	61	HSK 32 A-C-E	50.000
AD09	collet chuck without mini nut LH	ER 25	35	61	HSK 50 A-E	24.000
AD09	collet chuck for nut LH	ER 25	35	61	HSK 63 A-E-F	24.000
AD11	collet chuck without nut LH	ER 25	42	48,5	HSK 40 A-E	24.000
AD12	collet chuck without nut LH	ER 25	42	61	HSK 50 A-E	24.000
AD12	collet chuck without nut LH	ER 25	42	61	HSK 63 A-E-F	24.000
AD13	collet chuck without nut LH	ER 32	50	47,5	HSK 40 A-E	24.000
AD14	collet chuck without nut LH	ER 32	50	60	HSK 50 A-E-F	24.000
AD14	collet chuck without nut LH	ER 32	50	60	HSK 63 A-E-F	24.000
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 63 A-E-F	24.000



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 80 A	24.000
AD15	collet chuck without nut LH	ER 32	50	87,5	HSK 100 A	18.000
AD16	collet chuck without nut LH	ER 32	50	107,5	HSK 125 A	18.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 63 A-E-F	24.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 80 A	24.000
AD17	collet chuck without nut LH	ER 32	50	147,5	HSK 100 A	18.000
AD18	collet chuck without nut LH	ER 40	50	62	HSK 50 A-E	24.000
AD18	collet chuck without nut LH	ER 40	50	62	HSK 63 A-E-F	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 63 A-E-F	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 80 A	24.000
AD19	collet chuck without nut LH	ER 40	50	85,5	HSK 100 A	18.000
AD20	collet chuck without nut LH	ER 40	50	107,5	HSK 125 A	18.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 63 A-E-F	24.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 80 A	24.000
AD21	collet chuck without nut LH	ER 40	50	145,5	HSK 100 A	18.000
AD22	collet chuck without nut LH	ER 50	68	109	HSK 125 A	18.000

MANUFACTURING MATERIAL **OPTIONAL MATERIAL** **OPTIONAL FINISHES***

STEEL

STAINLESS STEEL
Cod. **M1**

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

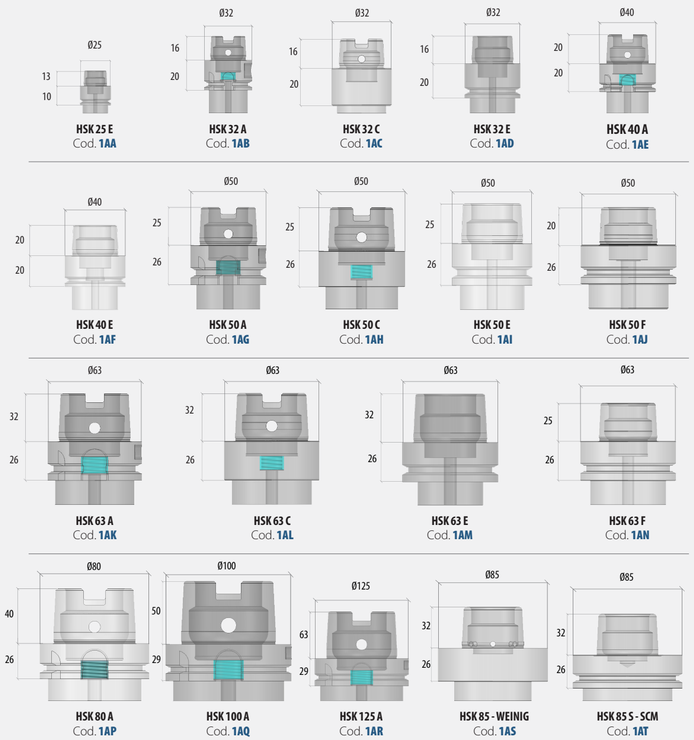
*By choosing optional materials, the specific hardness may vary.

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

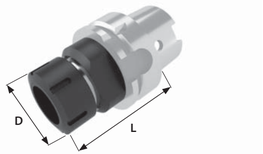
*See page 69 for the complete list of DIN manufacturing rules.



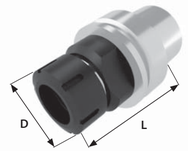
Collet chucks RH/LH with collet nut for collet EOC DIN 6388

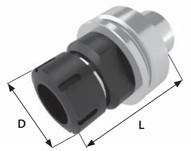
Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.

page 182 page 161 page 163 page 223



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AE00	collet chuck with nut RH	EOC 10	30	50	HSK 40 A-E	24.000
AE01	collet chuck with nut RH	EOC 12	35	50	HSK 50 A-E-F	24.000
AE02	collet chuck with nut RH	EOC 16	43	50	HSK 50 A-E-F	24.000
AE02	collet chuck with nut RH	EOC 16	43	50	HSK 63 A-E-F	24.000
AE03	collet chuck with nut RH	EOC 20	50	60	HSK 50 A-E-F	24.000
AE03	collet chuck with nut RH	EOC 20	50	60	HSK 63 A-E-F	24.000
AE04	collet chuck with nut RH	EOC 25	60	76,5	HSK 63 A-E-F	24.000
AE05	collet chuck with nut RH	EOC 25	60	115	HSK 63 A-E-F	24.000
AE06	collet chuck with nut RH	EOC 32	72	80	HSK 63 E-F	24.000
AE07	collet chuck with nut RH	EOC 40	85	100	HSK 63 E-F	24.000





Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AF00	collet chuck with nut LH	EOC 10	30	50	HSK 40 A-E	24.000
AF01	collet chuck with nut LH	EOC 12	35	50	HSK 50 A-E-F	24.000
AF02	collet chuck with nut LH	EOC 16	43	50	HSK 50 A-E-F	24.000
AF02	collet chuck with nut LH	EOC 16	43	50	HSK 63 A-E-F	24.000
AF03	collet chuck with nut LH	EOC 20	50	60	HSK 50 A-E-F	24.000
AF03	collet chuck with nut LH	EOC 20	50	60	HSK 63 A-E-F	24.000
AF04	collet chuck with nut LH	EOC 25	60	76,5	HSK 63 A-E-F	24.000
AF05	collet chuck with nut LH	EOC 25	60	115	HSK 63 A-E-F	24.000
AF06	collet chuck with nut LH	EOC 32	72	80	HSK 63 E-F	24.000
AF07	collet chuck with nut LH	EOC 40	85	100	HSK 63 E-F	24.000

MANUFACTURING MATERIAL

STEEL

OPTIONAL MATERIAL

STAINLESS STEEL
Cod. **M1**

OPTIONAL FINISHES*

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

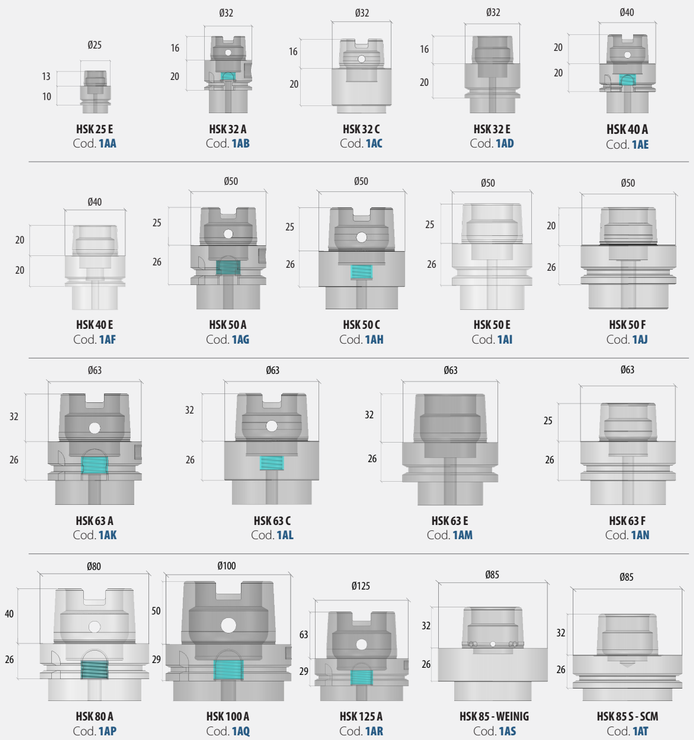
*By choosing optional materials, the specific hardness may vary.

HSK

Part codes for available HSK CONNECTIONS*

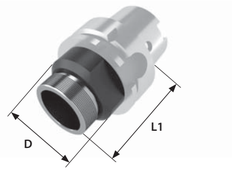
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

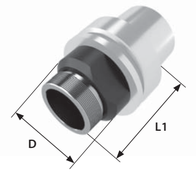


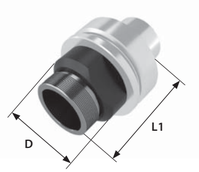
Collet chucks RH/LH without collet nut for collet EOC DIN 6388

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AG00	collet chuck without nut RH	EOC 10	30	41	HSK 40 A-E	24.000
AG01	collet chuck without nut RH	EOC 12	35	40,5	HSK 50 A-E-F	24.000
AG02	collet chuck without nut RH	EOC 16	43	39	HSK 50 A-E-F	24.000
AG02	collet chuck without nut RH	EOC 16	43	39	HSK 63 A-E-F	24.000
AG03	collet chuck without nut RH	EOC 20	50	48	HSK 50 A-E-F	24.000
AG03	collet chuck without nut RH	EOC 20	50	48	HSK 63 A-E-F	24.000
AG04	collet chuck without nut RH	EOC 25	60	64,5	HSK 63 A-E-F	24.000
AG05	collet chuck without nut RH	EOC 25	60	103,5	HSK 63 A-E-F	24.000
AG06	collet chuck without nut RH	EOC 32	72	67	HSK 63 E-F	24.000
AG07	collet chuck without nut RH	EOC 40	85	86	HSK 63 E-F	24.000





Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
AH00	collet chuck without nut LH	EOC 10	30	41	HSK 40 A-E	24.000
AH01	collet chuck without nut LH	EOC 12	35	40,5	HSK 50 A-E-F	24.000
AH02	collet chuck without nut LH	EOC 16	43	39	HSK 50 A-E-F	24.000
AH02	collet chuck without nut LH	EOC 16	43	39	HSK 63 A-E-F	24.000
AH03	collet chuck without nut LH	EOC 20	50	48	HSK 50 A-E-F	24.000
AH03	collet chuck without nut LH	EOC 20	50	48	HSK 63 A-E-F	24.000
AH04	collet chuck without nut LH	EOC 25	60	64,5	HSK 63 A-E-F	24.000
AH05	collet chuck without nut LH	EOC 25	60	103,5	HSK 63 A-E-F	24.000
AH06	collet chuck without nut LH	EOC 32	72	67	HSK 63 E-F	24.000
AH07	collet chuck without nut LH	EOC 40	85	86	HSK 63 E-F	24.000

MANUFACTURING MATERIAL

STEEL

OPTIONAL MATERIAL

STAINLESS STEEL
Cod. **M1**

OPTIONAL FINISHES*

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

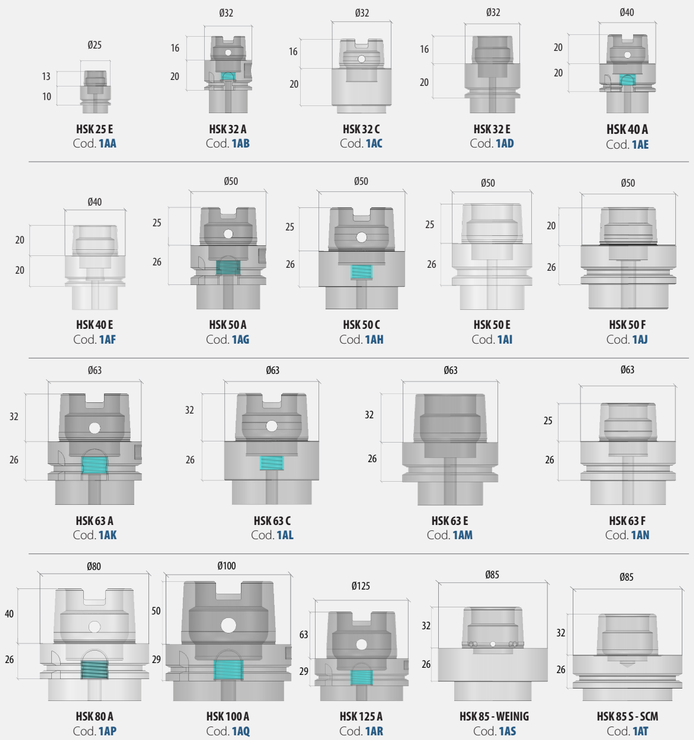
*By choosing optional materials, the specific hardness may vary.

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

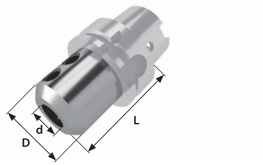
*See page 69 for the complete list of DIN manufacturing rules.



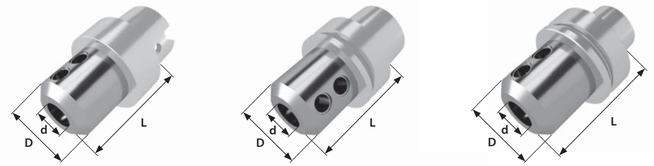
End mill holders DIN 1835/B

End Mill Holders are affordable, quick to install, and easy to use. An optimal choice for quality and price for lower speed operations.

page 163 page 223



Part code	Description	D	d	L	Connection	Balancing (RPM)
AJ00	end mill holder	22	6	50	HSK 32 A	50.000
AJ01	end mill holder	22	6	70	HSK 40 A-E	24.000
AJ01	end mill holder	22	6	70	HSK 50 A-E-F	24.000
AJ01	end mill holder	22	6	70	HSK 63 A-E-F	24.000
AJ01	end mill holder	22	6	70	HSK 80 A	24.000
AJ01	end mill holder	22	6	70	HSK 100 A	18.000
AJ02	end mill holder	28	8	70	HSK 40 A-E	24.000
AJ02	end mill holder	28	8	70	HSK 50 A-E-F	24.000
AJ02	end mill holder	28	8	70	HSK 63 A-E-F	24.000
AJ02	end mill holder	28	8	70	HSK 80 A	24.000
AJ02	end mill holder	28	8	70	HSK 100 A	18.000
AJ03	end mill holder	35	10	70	HSK 40 A-E	24.000
AJ03	end mill holder	35	10	70	HSK 50 A-E-F	24.000
AJ03	end mill holder	35	10	70	HSK 63 A-E-F	24.000
AJ03	end mill holder	35	10	70	HSK 80 A	24.000
AJ03	end mill holder	35	10	70	HSK 100 A	18.000
AJ04	end mill holder	42	12	70	HSK 50 A-E	24.000
AJ04	end mill holder	42	12	70	HSK 63 A-E-F	24.000
AJ04	end mill holder	42	12	70	HSK 80 A	24.000
AJ04	end mill holder	42	12	70	HSK 100 A	18.000
AJ05	end mill holder	44	14	70	HSK 50 A-E	24.000
AJ05	end mill holder	44	14	70	HSK 63 A-E-F	24.000
AJ05	end mill holder	44	14	70	HSK 80 A	24.000
AJ05	end mill holder	44	14	70	HSK 100 A	18.000
AJ06	end mill holder	48	16	70	HSK 50 A-E	24.000
AJ06	end mill holder	48	16	70	HSK 63 A-E-F	24.000
AJ07	end mill holder	48	16	80	HSK 80 A	24.000
AJ07	end mill holder	48	16	80	HSK 100 A	18.000



Part code	Description	D	d	L	Connection	Balancing (RPM)
AJ08	end mill holder	50	18	70	HSK 50 A-E	24.000
AJ08	end mill holder	50	18	70	HSK 63 A-E-F	24.000
AJ09	end mill holder	50	18	80	HSK 80 A	24.000
AJ09	end mill holder	50	18	80	HSK 100 A	18.000
AJ10	end mill holder	52	20	70	HSK 50 A-E-F	24.000
AJ10	end mill holder	52	20	70	HSK 63 A-E-F	24.000
AJ11	end mill holder	52	20	80	HSK 80 A	24.000
AJ11	end mill holder	52	20	80	HSK 100 A	18.000
AJ12	end mill holder	65	25	110	HSK 63 A-E-F	24.000
AJ12	end mill holder	65	25	110	HSK 80 A	24.000
AJ12	end mill holder	65	25	110	HSK 100 A	18.000
AJ13	end mill holder	72	32	110	HSK 63 A-E-F	24.000
AJ14	end mill holder	72	32	120	HSK 80 A	24.000
AJ14	end mill holder	72	32	120	HSK 100 A	18.000
AJ15	end mill holder	80	40	120	HSK 63 A-E-F	24.000
AJ15	end mill holder	80	40	120	HSK 80 A	24.000
AJ15	end mill holder	80	40	120	HSK 100 A	18.000
AJ15	end mill holder	80	40	120	HSK 125 A	18.000
AJ16	end mill holder	97	50	140	HSK 80 A	24.000
AJ16	end mill holder	97	50	140	HSK 100 A	18.000
AJ16	end mill holder	97	50	140	HSK 125 A	18.000

● MANUFACTURING MATERIAL

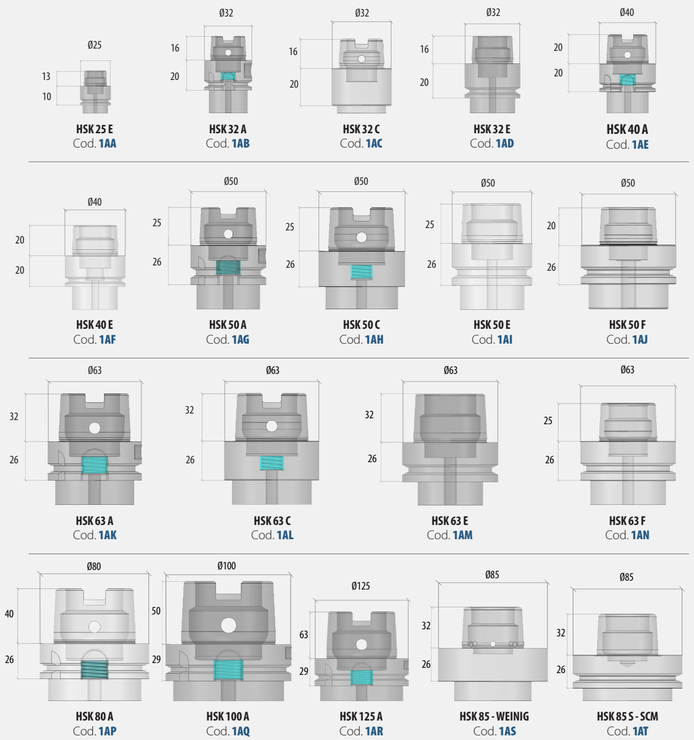
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



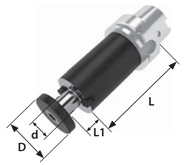
HSK

HSK TOOL HOLDERS **DIN 69893**

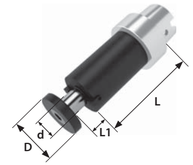
Face Mill holders DIN 6357

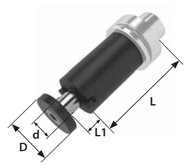
Traditional locking system for metalworking mills, the tool is held in place with spacer rings, closing washer and screw.

H6 · 58HRC · page 163 · page 223



Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
AK00	face mill holder	39	16	17	50	HSK 32 A	50.000
AK00	face mill holder	39	16	17	50	HSK 40 A-E	24.000
AK00	face mill holder	39	16	17	50	HSK 50 A-E-F	24.000
AK00	face mill holder	39	16	17	50	HSK 63 A-E-F	24.000
AK01	face mill holder	48	22	19	50	HSK 40 A-E	24.000
AK01	face mill holder	48	22	19	50	HSK 50 A-E-F	24.000
AK02	face mill holder	48	22	19	70	HSK 63 A-E-F	24.000
AK03	face mill holder	48	22	19	100	HSK 80 A	18.000
AK03	face mill holder	48	22	19	100	HSK 100 A	18.000
AK04	face mill holder	55	27	21	70	HSK 50 A-E-F	24.000
AK04	face mill holder	55	27	21	70	HSK 63 A-E-F	18.000
AK05	face mill holder	55	27	21	90	HSK 80 A	18.000
AK06	face mill holder	55	27	21	100	HSK 100 A	18.000





Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
AK07	face mill holder	63	32	24	70	HSK 63 A-E-F	24.000
AK08	face mill holder	63	32	24	100	HSK 80 A	24.000
AK08	face mill holder	63	32	24	100	HSK 100 A	18.000
AK08	face mill holder	63	32	24	100	HSK 125 A	18.000
AK09	face mill holder	78	40	27	70	HSK 63 A	24.000
AK10	face mill holder	78	40	27	100	HSK 80 A	24.000
AK10	face mill holder	78	40	27	100	HSK 100 A	18.000
AK10	face mill holder	78	40	27	100	HSK 125 A	18.000

● MANUFACTURING MATERIAL

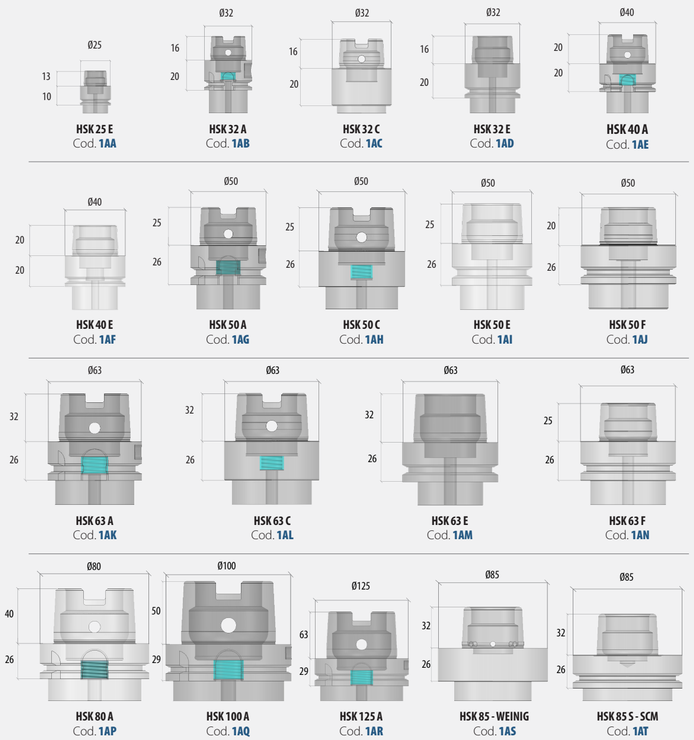
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



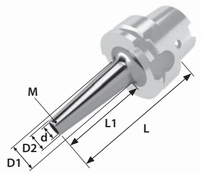
HSK

HSK TOOL HOLDERS **DIN 69893**

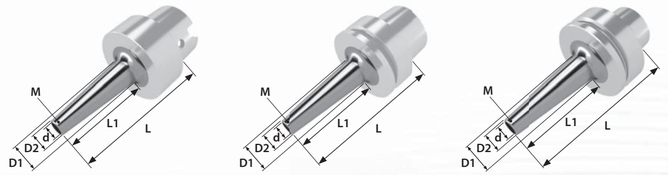
Modular tool holders

The modular tool holders are used in assembly with sharpening mills and drills with a threaded connection.

H6 | 0,005 | 58HRC | page 163 | RPMS | page 223



Part code	Description	d	M	L	L1	D1	D2	Connection	Balancing (RPM)
AL00	modular tool holder	8,5	M8	70	50	23	13	HSK 40 A-E	24.000
AL00	modular tool holder	8,5	M8	76	50	23	13	HSK 50 A-E-F	24.000
AL01	modular tool holder	8,5	M8	126	100	26	13	HSK 63 A-E-F	24.000
AL02	modular tool holder	10,5	M10	76	50	23	18	HSK 50 A-E-F	24.000
AL03	modular tool holder	10,5	M10	126	100	32	18	HSK 63 A-E-F	24.000
AL04	modular tool holder	10,5	M10	159	133	34	18	HSK 63 A-E-F	24.000
AL05	modular tool holder	12,5	M12	76	50	24	21	HSK 63 A-E-F	24.000
AL06	modular tool holder	12,5	M12	126	100	31	21	HSK 80 A	18.000
AL07	modular tool holder	12,5	M12	194	155	39	21	HSK 100 A	18.000
AL08	modular tool holder	17	M16	76	50	34	29	HSK 63 A-E-F	24.000
AL09	modular tool holder	17	M16	126	100	36	29	HSK 80 A	18.000
AL10	modular tool holder	17	M16	194	155	39	29	HSK 100 A	18.000
AL10	modular tool holder	17	M16	194	155	39	29	HSK 125 A	18.000



● MANUFACTURING MATERIAL

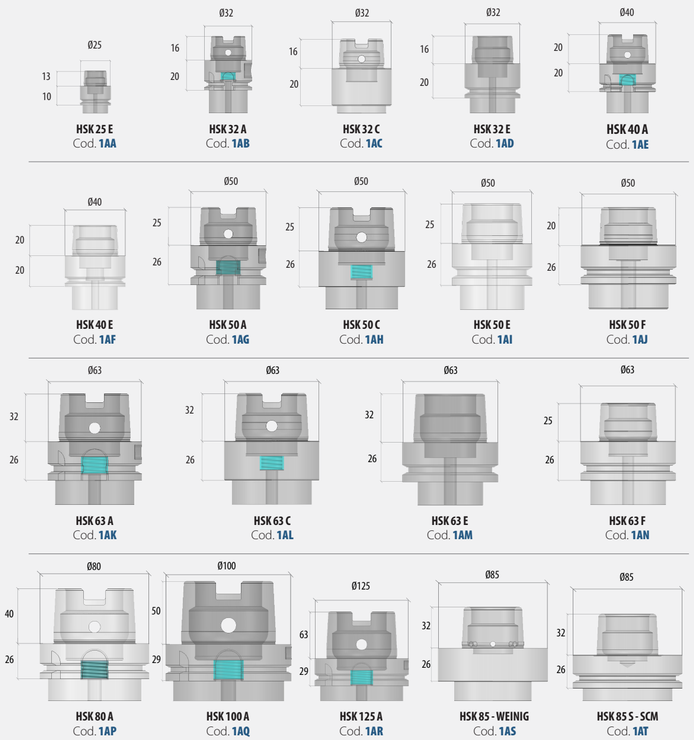
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

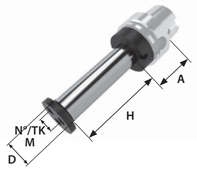
*See page 69 for the complete list of DIN manufacturing rules.



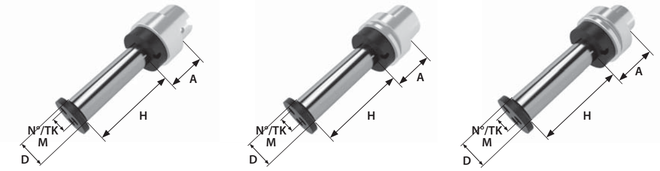
Milling arbors

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws. The expanded end cap is included.

page 216 page 163 page 223



A33	A42							
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A000	A200	milling arbor	20	70	M5	3/12	HSK 50 E-F	24.000
A001	A201	milling arbor	20	75	M5	3/12	HSK 50 E-F	24.000
A002	A202	milling arbor	20	80	M5	3/12	HSK 50 E-F	24.000
A003	A203	milling arbor	20	85	M5	3/12	HSK 50 E-F	24.000
A004	A204	milling arbor	20	90	M5	3/12	HSK 50 E-F	24.000
A005	A205	milling arbor	20	95	M5	3/12	HSK 50 E-F	24.000
A006	A206	milling arbor	20	100	M5	3/12	HSK 50 E-F	24.000
A007	A207	milling arbor	20	105	M5	3/12	HSK 50 E-F	24.000
A008	A208	milling arbor	20	110	M5	3/12	HSK 50 E-F	24.000
A009	A209	milling arbor	20	115	M5	3/12	HSK 50 E-F	24.000
A010	A210	milling arbor	20	120	M5	3/12	HSK 50 E-F	24.000
A011	A211	milling arbor	20	125	M5	3/12	HSK 50 E-F	24.000
A012	A212	milling arbor	20	130	M5	3/12	HSK 50 E-F	24.000
A013	A213	milling arbor	20	135	M5	3/12	HSK 50 E-F	24.000
A014	A214	milling arbor	20	140	M5	3/12	HSK 50 E-F	24.000
A015	A215	milling arbor	20	145	M5	3/12	HSK 50 E-F	24.000
A016	A216	milling arbor	20	150	M5	3/12	HSK 50 E-F	24.000
A017	A217	milling arbor	20	70	M5	3/12	HSK 63 E-F	24.000
A018	A218	milling arbor	20	75	M5	3/12	HSK 63 E-F	24.000
A019	A219	milling arbor	20	80	M5	3/12	HSK 63 E-F	24.000
A020	A220	milling arbor	20	85	M5	3/12	HSK 63 E-F	24.000
A021	A221	milling arbor	20	90	M5	3/12	HSK 63 E-F	24.000
A022	A222	milling arbor	20	95	M5	3/12	HSK 63 E-F	24.000
A023	A223	milling arbor	20	100	M5	3/12	HSK 63 E-F	24.000
A024	A224	milling arbor	20	105	M5	3/12	HSK 63 E-F	24.000
A025	A225	milling arbor	20	110	M5	3/12	HSK 63 E-F	24.000
A026	A226	milling arbor	20	115	M5	3/12	HSK 63 E-F	24.000
A027	A227	milling arbor	20	120	M5	3/12	HSK 63 E-F	24.000
A028	A228	milling arbor	20	125	M5	3/12	HSK 63 E-F	24.000



A33	A42							
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A029	A229	milling arbor	20	130	M5	3/12	HSK 63 E-F	24.000
A030	A230	milling arbor	20	135	M5	3/12	HSK 63 E-F	24.000
A031	A231	milling arbor	20	140	M5	3/12	HSK 63 E-F	24.000
A032	A232	milling arbor	20	145	M5	3/12	HSK 63 E-F	24.000
A033	A233	milling arbor	20	150	M5	3/12	HSK 63 E-F	24.000
A034	A234	milling arbor	25	70	M6	3/16	HSK 63 E-F	24.000
A035	A235	milling arbor	25	75	M6	3/16	HSK 63 E-F	24.000
A036	A236	milling arbor	25	80	M6	3/16	HSK 63 E-F	24.000
A037	A237	milling arbor	25	85	M6	3/16	HSK 63 E-F	24.000
A038	A238	milling arbor	25	90	M6	3/16	HSK 63 E-F	24.000
A039	A239	milling arbor	25	95	M6	3/16	HSK 63 E-F	24.000
A040	A240	milling arbor	25	100	M6	3/16	HSK 63 E-F	24.000
A041	A241	milling arbor	25	105	M6	3/16	HSK 63 E-F	24.000
A042	A242	milling arbor	25	110	M6	3/16	HSK 63 E-F	24.000
A043	A243	milling arbor	25	115	M6	3/16	HSK 63 E-F	24.000
A044	A244	milling arbor	25	120	M6	3/16	HSK 63 E-F	24.000
A045	A245	milling arbor	25	125	M6	3/16	HSK 63 E-F	24.000
A046	A246	milling arbor	25	130	M6	3/16	HSK 63 E-F	24.000
A047	A247	milling arbor	25	135	M6	3/16	HSK 63 E-F	24.000
A048	A248	milling arbor	25	140	M6	3/16	HSK 63 E-F	24.000
A049	A249	milling arbor	25	145	M6	3/16	HSK 63 E-F	24.000
A050	A250	milling arbor	25	150	M6	3/16	HSK 63 E-F	24.000

● MANUFACTURING MATERIAL

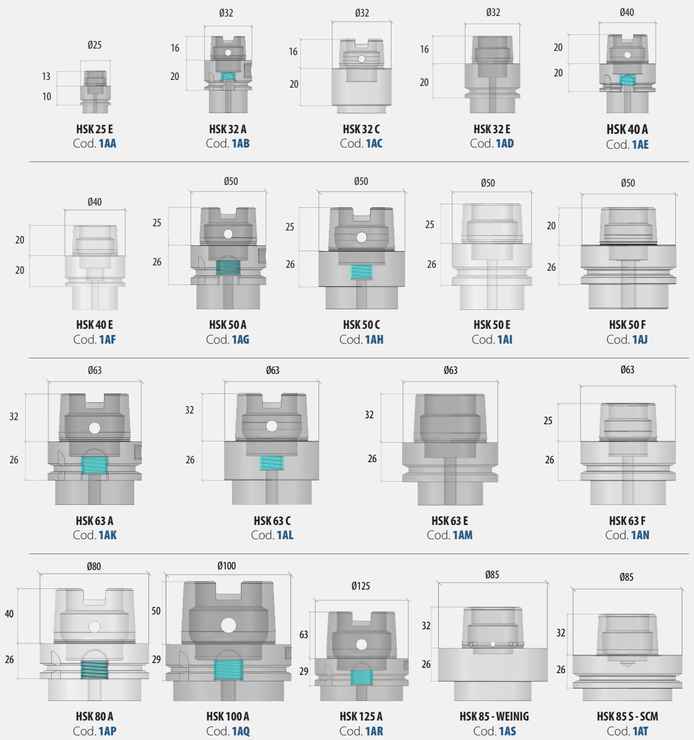
STEEL

HSK

Part codes for available HSK CONNECTIONS*

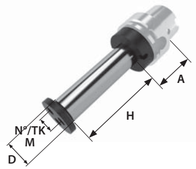
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

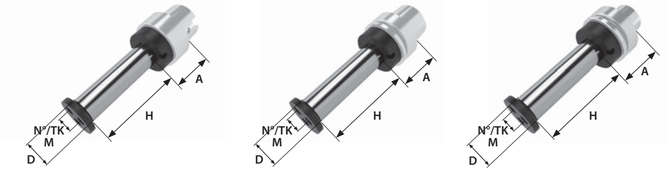


Milling arbors

page 216 page 163 page 223



A33 Part code	A42 Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A051	A251	milling arbor	30	70	M6	3 x 20	HSK 63 E-F	24.000
A052	A252	milling arbor	30	75	M6	3 x 20	HSK 63 E-F	24.000
A053	A253	milling arbor	30	80	M6	3 x 20	HSK 63 E-F	24.000
A054	A254	milling arbor	30	85	M6	3 x 20	HSK 63 E-F	24.000
A055	A255	milling arbor	30	90	M6	3 x 20	HSK 63 E-F	24.000
A056	A256	milling arbor	30	95	M6	3 x 20	HSK 63 E-F	24.000
A057	A257	milling arbor	30	100	M6	3 x 20	HSK 63 E-F	24.000
A058	A258	milling arbor	30	105	M6	3 x 20	HSK 63 E-F	24.000
A059	A259	milling arbor	30	110	M6	3 x 20	HSK 63 E-F	24.000
A060	A260	milling arbor	30	115	M6	3 x 20	HSK 63 E-F	24.000
A061	A261	milling arbor	30	120	M6	3 x 20	HSK 63 E-F	24.000
A062	A262	milling arbor	30	125	M6	3 x 20	HSK 63 E-F	24.000
A063	A263	milling arbor	30	130	M6	3 x 20	HSK 63 E-F	24.000
A064	A264	milling arbor	30	135	M6	3 x 20	HSK 63 E-F	24.000
A065	A265	milling arbor	30	140	M6	3 x 20	HSK 63 E-F	24.000
A066	A266	milling arbor	30	145	M6	3 x 20	HSK 63 E-F	24.000
A067	A267	milling arbor	30	150	M6	3 x 20	HSK 63 E-F	24.000
A068	A268	milling arbor	30	160	M6	3 x 20	HSK 63 E-F	24.000
A069	A269	milling arbor	30	170	M6	3 x 20	HSK 63 E-F	24.000
A070	A270	milling arbor	30	180	M6	3 x 20	HSK 63 E-F	24.000
A071	A271	milling arbor	30	190	M6	3 x 20	HSK 63 E-F	24.000
A072	A272	milling arbor	30	200	M6	3 x 20	HSK 63 E-F	24.000
A073	A273	milling arbor	30	210	M6	3 x 20	HSK 63 E-F	24.000
A074	A274	milling arbor	30	220	M6	3 x 20	HSK 63 E-F	24.000
A075	A275	milling arbor	30	230	M6	3 x 20	HSK 63 E-F	24.000
A076	A276	milling arbor	30	240	M6	3 x 20	HSK 63 E-F	24.000
A077	A277	milling arbor	30	250	M6	3 x 20	HSK 63 E-F	24.000
A078	A278	milling arbor	35	70	M6	3 x 25	HSK 63 E-F	24.000
A079	A279	milling arbor	35	75	M6	3 x 25	HSK 63 E-F	24.000
A080	A280	milling arbor	35	80	M6	3 x 25	HSK 63 E-F	24.000
A081	A281	milling arbor	35	85	M6	3 x 25	HSK 63 E-F	24.000
A082	A282	milling arbor	35	90	M6	3 x 25	HSK 63 E-F	24.000
A083	A283	milling arbor	35	95	M6	3 x 25	HSK 63 E-F	24.000



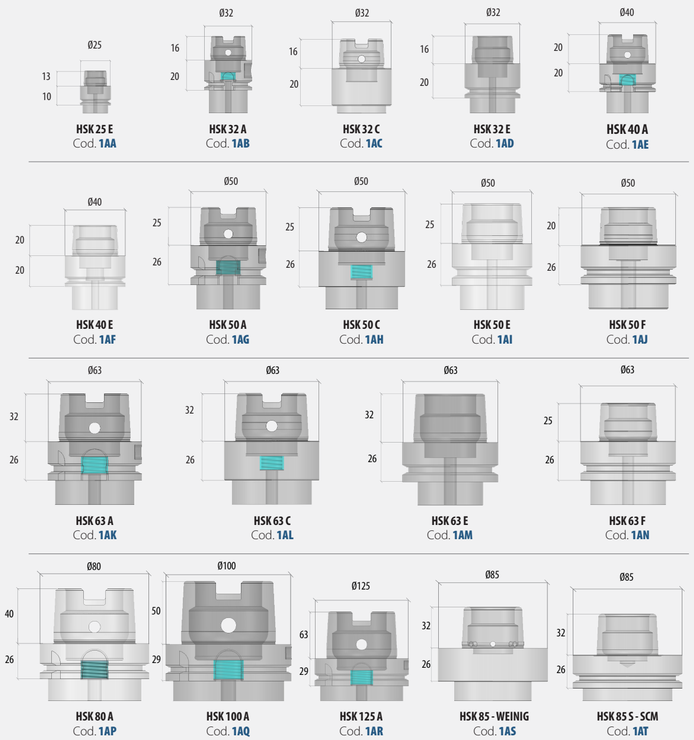
A33 Part code	A42 Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A084	A284	milling arbor	35	100	M6	3 x 25	HSK 63 E-F	24.000
A085	A285	milling arbor	35	105	M6	3 x 25	HSK 63 E-F	24.000
A086	A286	milling arbor	35	110	M6	3 x 25	HSK 63 E-F	24.000
A087	A287	milling arbor	35	115	M6	3 x 25	HSK 63 E-F	24.000
A088	A288	milling arbor	35	120	M6	3 x 25	HSK 63 E-F	24.000
A089	A289	milling arbor	35	125	M6	3 x 25	HSK 63 E-F	24.000
A090	A290	milling arbor	35	130	M6	3 x 25	HSK 63 E-F	24.000
A091	A291	milling arbor	35	135	M6	3 x 25	HSK 63 E-F	24.000
A092	A292	milling arbor	35	140	M6	3 x 25	HSK 63 E-F	24.000
A093	A293	milling arbor	35	145	M6	3 x 25	HSK 63 E-F	24.000
A094	A294	milling arbor	35	150	M6	3 x 25	HSK 63 E-F	24.000
A095	A295	milling arbor	35	160	M6	3 x 25	HSK 63 E-F	24.000
A096	A296	milling arbor	35	170	M6	3 x 25	HSK 63 E-F	24.000
A097	A297	milling arbor	35	180	M6	3 x 25	HSK 63 E-F	24.000
A098	A298	milling arbor	35	190	M6	3 x 25	HSK 63 E-F	24.000
A099	A299	milling arbor	35	200	M6	3 x 25	HSK 63 E-F	24.000
A100	A300	milling arbor	35	210	M6	3 x 25	HSK 63 E-F	24.000
A101	A301	milling arbor	35	220	M6	3 x 25	HSK 63 E-F	24.000
A102	A302	milling arbor	35	230	M6	3 x 25	HSK 63 E-F	24.000
A103	A303	milling arbor	35	240	M6	3 x 25	HSK 63 E-F	24.000
A104	A304	milling arbor	35	250	M6	3 x 25	HSK 63 E-F	24.000
A105	A305	milling arbor	40	70	M6	3 x 25	HSK 63 E-F	24.000
A106	A306	milling arbor	40	75	M6	3 x 25	HSK 63 E-F	24.000
A107	A307	milling arbor	40	80	M6	3 x 25	HSK 63 E-F	24.000
A108	A308	milling arbor	40	85	M6	3 x 25	HSK 63 E-F	24.000
A109	A309	milling arbor	40	90	M6	3 x 25	HSK 63 E-F	24.000
A110	A310	milling arbor	40	95	M6	3 x 25	HSK 63 E-F	24.000
A111	A311	milling arbor	40	100	M6	3 x 25	HSK 63 E-F	24.000
A112	A312	milling arbor	40	105	M6	3 x 25	HSK 63 E-F	24.000
A113	A313	milling arbor	40	110	M6	3 x 25	HSK 63 E-F	24.000
A114	A314	milling arbor	40	115	M6	3 x 25	HSK 63 E-F	24.000
A115	A315	milling arbor	40	120	M6	3 x 25	HSK 63 E-F	24.000
A116	A316	milling arbor	40	125	M6	3 x 25	HSK 63 E-F	24.000

HSK

Part codes for available HSK CONNECTIONS*

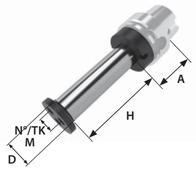
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

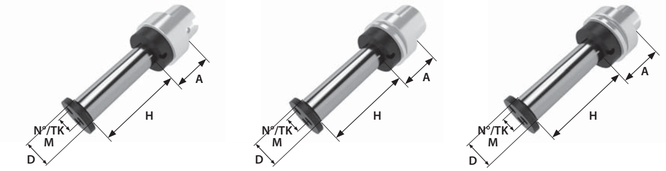


Milling arbors

page 216 page 163 page 223



A33	A42							
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A117	A317	milling arbor	40	130	M6	3 x 25	HSK 63 E-F	24.000
A118	A318	milling arbor	40	135	M6	3 x 25	HSK 63 E-F	24.000
A119	A319	milling arbor	40	140	M6	3 x 25	HSK 63 E-F	24.000
A120	A320	milling arbor	40	145	M6	3 x 25	HSK 63 E-F	24.000
A121	A321	milling arbor	40	150	M6	3 x 25	HSK 63 E-F	24.000
A122	A322	milling arbor	40	160	M6	3 x 25	HSK 63 E-F	24.000
A123	A323	milling arbor	40	170	M6	3 x 25	HSK 63 E-F	24.000
A124	A324	milling arbor	40	180	M6	3 x 25	HSK 63 E-F	24.000
A125	A325	milling arbor	40	190	M6	3 x 25	HSK 63 E-F	24.000
A126	A326	milling arbor	40	200	M6	3 x 25	HSK 63 E-F	24.000
A127	A327	milling arbor	40	210	M6	3 x 25	HSK 63 E-F	24.000
A128	A328	milling arbor	40	220	M6	3 x 25	HSK 63 E-F	24.000
A129	A329	milling arbor	40	230	M6	3 x 25	HSK 63 E-F	24.000
A130	A330	milling arbor	40	240	M6	3 x 25	HSK 63 E-F	24.000
A131	A331	milling arbor	40	250	M6	3 x 25	HSK 63 E-F	24.000
A132	A332	milling arbor	50	70	M8	3 x 25	HSK 63 E-F	24.000
A133	A333	milling arbor	50	75	M8	3 x 25	HSK 63 E-F	24.000
A134	A334	milling arbor	50	80	M8	3 x 25	HSK 63 E-F	24.000
A135	A335	milling arbor	50	85	M8	3 x 25	HSK 63 E-F	24.000
A136	A336	milling arbor	50	90	M8	3 x 25	HSK 63 E-F	24.000
A137	A337	milling arbor	50	95	M8	3 x 25	HSK 63 E-F	24.000
A138	A338	milling arbor	50	100	M8	3 x 25	HSK 63 E-F	24.000
A139	A339	milling arbor	50	105	M8	3 x 25	HSK 63 E-F	24.000
A140	A340	milling arbor	50	110	M8	3 x 25	HSK 63 E-F	24.000
A141	A341	milling arbor	50	115	M8	3 x 25	HSK 63 E-F	24.000
A142	A342	milling arbor	50	120	M8	3 x 25	HSK 63 E-F	24.000
A143	A343	milling arbor	50	125	M8	3 x 25	HSK 63 E-F	24.000
A144	A344	milling arbor	50	130	M8	3 x 25	HSK 63 E-F	24.000
A145	A345	milling arbor	50	135	M8	3 x 25	HSK 63 E-F	24.000
A146	A346	milling arbor	50	140	M8	3 x 25	HSK 63 E-F	24.000
A147	A347	milling arbor	50	145	M8	3 x 25	HSK 63 E-F	24.000
A148	A348	milling arbor	50	150	M8	3 x 25	HSK 63 E-F	24.000
A149	A349	milling arbor	50	160	M8	3 x 25	HSK 63 E-F	24.000
A150	A350	milling arbor	50	170	M8	3 x 25	HSK 63 E-F	24.000



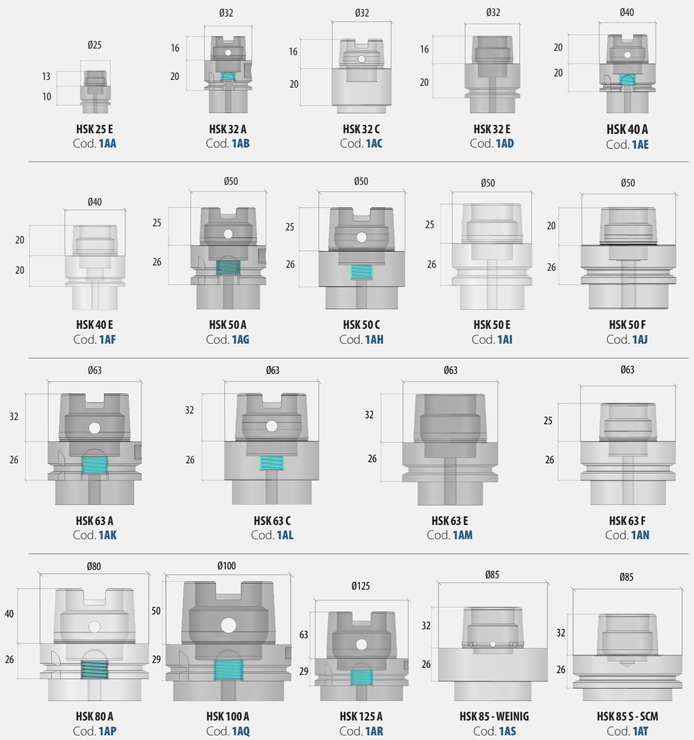
A33	A42							
Part code	Part code	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A151	A351	milling arbor	50	180	M8	3 x 25	HSK 63 E-F	24.000
A152	A352	milling arbor	50	190	M8	3 x 25	HSK 63 E-F	24.000
A153	A353	milling arbor	50	200	M8	3 x 25	HSK 63 E-F	24.000
A154	A354	milling arbor	50	210	M8	3 x 25	HSK 63 E-F	24.000
A155	A355	milling arbor	50	220	M8	3 x 25	HSK 63 E-F	24.000
A156	A356	milling arbor	50	230	M8	3 x 25	HSK 63 E-F	24.000
A157	A357	milling arbor	50	240	M8	3 x 25	HSK 63 E-F	24.000
A158	A358	milling arbor	50	250	M8	3 x 25	HSK 63 E-F	24.000
A159	A359	milling arbor	1 - 1/4	80	M6	3 x 20	HSK 63 E-F	24.000
A160	A360	milling arbor	1 - 1/4	85	M6	3 x 20	HSK 63 E-F	24.000
A161	A361	milling arbor	1 - 1/4	90	M6	3 x 20	HSK 63 E-F	24.000
A162	A362	milling arbor	1 - 1/4	95	M6	3 x 20	HSK 63 E-F	24.000
A163	A363	milling arbor	1 - 1/4	100	M6	3 x 20	HSK 63 E-F	24.000
A164	A364	milling arbor	1 - 1/4	105	M6	3 x 20	HSK 63 E-F	24.000
A165	A365	milling arbor	1 - 1/4	110	M6	3 x 20	HSK 63 E-F	24.000
A166	A366	milling arbor	1 - 1/4	115	M6	3 x 20	HSK 63 E-F	24.000
A167	A367	milling arbor	1 - 1/4	120	M6	3 x 20	HSK 63 E-F	24.000
A168	A368	milling arbor	1 - 1/4	125	M6	3 x 20	HSK 63 E-F	24.000
A169	A369	milling arbor	1 - 1/4	130	M6	3 x 20	HSK 63 E-F	24.000
A170	A370	milling arbor	1 - 1/4	135	M6	3 x 20	HSK 63 E-F	24.000
A171	A371	milling arbor	1 - 1/4	140	M6	3 x 20	HSK 63 E-F	24.000
A172	A372	milling arbor	1 - 1/4	145	M6	3 x 20	HSK 63 E-F	24.000
A173	A373	milling arbor	1 - 1/4	150	M6	3 x 20	HSK 63 E-F	24.000
A174	A374	milling arbor	1 - 1/4	160	M6	3 x 20	HSK 63 E-F	24.000
A175	A375	milling arbor	1 - 1/4	170	M6	3 x 20	HSK 63 E-F	24.000
A176	A376	milling arbor	1 - 1/4	180	M6	3 x 20	HSK 63 E-F	24.000
A177	A377	milling arbor	1 - 1/4	190	M6	3 x 20	HSK 63 E-F	24.000
A178	A378	milling arbor	1 - 1/4	200	M6	3 x 20	HSK 63 E-F	24.000
A179	A379	milling arbor	1 - 1/4	210	M6	3 x 20	HSK 63 E-F	24.000
A180	A380	milling arbor	1 - 1/4	220	M6	3 x 20	HSK 63 E-F	24.000
A181	A381	milling arbor	1 - 1/4	230	M6	3 x 20	HSK 63 E-F	24.000
A182	A382	milling arbor	1 - 1/4	240	M6	3 x 20	HSK 63 E-F	24.000
A183	A383	milling arbor	1 - 1/4	250	M6	3 x 20	HSK 63 E-F	24.000

HSK

Part codes for available HSK CONNECTIONS*

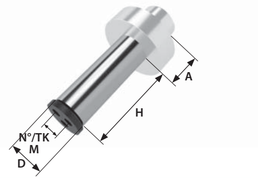
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Milling arbors for "Weinig"

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws. The expanded end cap is included.



Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A400	26	milling arbor	30	70	M6	3 x 20	HSK 85 W	18.000
A401	26	milling arbor	30	75	M6	3 x 20	HSK 85 W	18.000
A402	26	milling arbor	30	80	M6	3 x 20	HSK 85 W	18.000
A403	26	milling arbor	30	85	M6	3 x 20	HSK 85 W	18.000
A404	26	milling arbor	30	90	M6	3 x 20	HSK 85 W	18.000
A405	26	milling arbor	30	95	M6	3 x 20	HSK 85 W	18.000
A406	26	milling arbor	30	100	M6	3 x 20	HSK 85 W	18.000
A407	26	milling arbor	30	105	M6	3 x 20	HSK 85 W	18.000
A408	26	milling arbor	30	110	M6	3 x 20	HSK 85 W	18.000
A409	26	milling arbor	30	115	M6	3 x 20	HSK 85 W	18.000
A410	26	milling arbor	30	120	M6	3 x 20	HSK 85 W	18.000
A411	26	milling arbor	30	125	M6	3 x 20	HSK 85 W	18.000
A412	26	milling arbor	30	130	M6	3 x 20	HSK 85 W	18.000
A413	26	milling arbor	30	135	M6	3 x 20	HSK 85 W	18.000
A414	26	milling arbor	30	140	M6	3 x 20	HSK 85 W	18.000
A415	26	milling arbor	30	145	M6	3 x 20	HSK 85 W	18.000
A416	26	milling arbor	30	150	M6	3 x 20	HSK 85 W	18.000
A417	26	milling arbor	30	160	M6	3 x 20	HSK 85 W	18.000
A418	26	milling arbor	30	170	M6	3 x 20	HSK 85 W	18.000
A419	26	milling arbor	30	180	M6	3 x 20	HSK 85 W	18.000
A420	26	milling arbor	30	190	M6	3 x 20	HSK 85 W	18.000
A421	26	milling arbor	30	200	M6	3 x 20	HSK 85 W	18.000
A422	26	milling arbor	30	210	M6	3 x 20	HSK 85 W	18.000
A423	26	milling arbor	30	220	M6	3 x 20	HSK 85 W	18.000
A424	26	milling arbor	30	230	M6	3 x 20	HSK 85 W	18.000
A425	26	milling arbor	30	240	M6	3 x 20	HSK 85 W	18.000
A426	26	milling arbor	30	250	M6	3 x 20	HSK 85 W	18.000
A427	26	milling arbor	35	70	M6	3 x 25	HSK 85 W	18.000
A428	26	milling arbor	35	75	M6	3 x 25	HSK 85 W	18.000
A429	26	milling arbor	35	80	M6	3 x 25	HSK 85 W	18.000
A430	26	milling arbor	35	85	M6	3 x 25	HSK 85 W	18.000
A431	26	milling arbor	35	90	M6	3 x 25	HSK 85 W	18.000
A432	26	milling arbor	35	95	M6	3 x 25	HSK 85 W	18.000
A433	26	milling arbor	35	100	M6	3 x 25	HSK 85 W	18.000
A434	26	milling arbor	35	105	M6	3 x 25	HSK 85 W	18.000
A435	26	milling arbor	35	110	M6	3 x 25	HSK 85 W	18.000

Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A436	26	milling arbor	35	115	M6	3 x 25	HSK 85 W	18.000
A437	26	milling arbor	35	120	M6	3 x 25	HSK 85 W	18.000
A438	26	milling arbor	35	125	M6	3 x 25	HSK 85 W	18.000
A439	26	milling arbor	35	130	M6	3 x 25	HSK 85 W	18.000
A440	26	milling arbor	35	135	M6	3 x 25	HSK 85 W	18.000
A441	26	milling arbor	35	140	M6	3 x 25	HSK 85 W	18.000
A442	26	milling arbor	35	145	M6	3 x 25	HSK 85 W	18.000
A443	26	milling arbor	35	150	M6	3 x 25	HSK 85 W	18.000
A444	26	milling arbor	35	160	M6	3 x 25	HSK 85 W	18.000
A445	26	milling arbor	35	170	M6	3 x 25	HSK 85 W	18.000
A446	26	milling arbor	35	180	M6	3 x 25	HSK 85 W	18.000
A447	26	milling arbor	35	190	M6	3 x 25	HSK 85 W	18.000
A448	26	milling arbor	35	200	M6	3 x 25	HSK 85 W	18.000
A449	26	milling arbor	35	210	M6	3 x 25	HSK 85 W	18.000
A450	26	milling arbor	35	220	M6	3 x 25	HSK 85 W	18.000
A451	26	milling arbor	35	230	M6	3 x 25	HSK 85 W	18.000
A452	26	milling arbor	35	240	M6	3 x 25	HSK 85 W	18.000
A453	26	milling arbor	35	250	M6	3 x 25	HSK 85 W	18.000
A454	26	milling arbor	40	70	M6	3 x 25	HSK 85 W	18.000
A455	26	milling arbor	40	75	M6	3 x 25	HSK 85 W	18.000
A456	26	milling arbor	40	80	M6	3 x 25	HSK 85 W	18.000
A457	26	milling arbor	40	85	M6	3 x 25	HSK 85 W	18.000
A458	26	milling arbor	40	90	M6	3 x 25	HSK 85 W	18.000
A459	26	milling arbor	40	95	M6	3 x 25	HSK 85 W	18.000
A460	26	milling arbor	40	100	M6	3 x 25	HSK 85 W	18.000
A461	26	milling arbor	40	105	M6	3 x 25	HSK 85 W	18.000
A462	26	milling arbor	40	110	M6	3 x 25	HSK 85 W	18.000
A463	26	milling arbor	40	115	M6	3 x 25	HSK 85 W	18.000

MANUFACTURING MATERIAL

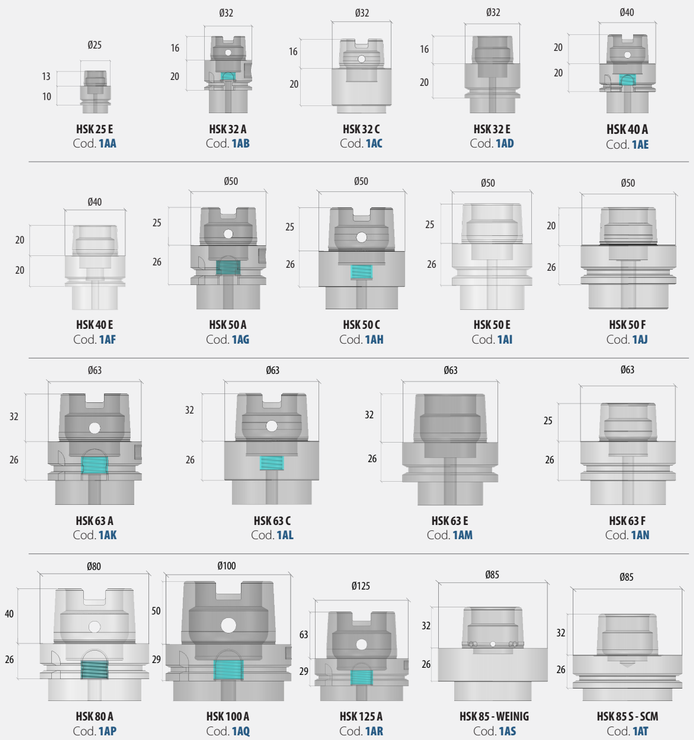
STEEL

HSK

Part codes for available HSK CONNECTIONS*

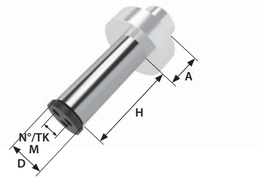
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Milling arbors for "Weinig"

page 216 page 163 page 223



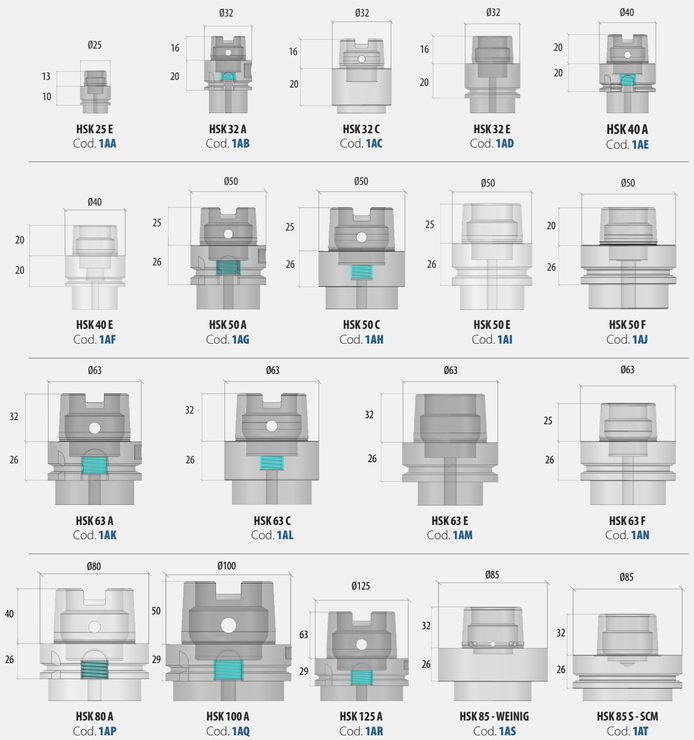
Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A464	26	milling arbor	40	120	M6	3 x 25	HSK 85 W	18.000
A465	26	milling arbor	40	125	M6	3 x 25	HSK 85 W	18.000
A466	26	milling arbor	40	130	M6	3 x 25	HSK 85 W	18.000
A467	26	milling arbor	40	135	M6	3 x 25	HSK 85 W	18.000
A468	26	milling arbor	40	140	M6	3 x 25	HSK 85 W	18.000
A469	26	milling arbor	40	145	M6	3 x 25	HSK 85 W	18.000
A470	26	milling arbor	40	150	M6	3 x 25	HSK 85 W	18.000
A471	26	milling arbor	40	160	M6	3 x 25	HSK 85 W	18.000
A472	26	milling arbor	40	170	M6	3 x 25	HSK 85 W	18.000
A473	26	milling arbor	40	180	M6	3 x 25	HSK 85 W	18.000
A474	26	milling arbor	40	190	M6	3 x 25	HSK 85 W	18.000
A475	26	milling arbor	40	200	M6	3 x 25	HSK 85 W	18.000
A476	26	milling arbor	40	210	M6	3 x 25	HSK 85 W	18.000
A477	26	milling arbor	40	220	M6	3 x 25	HSK 85 W	18.000
A478	26	milling arbor	40	230	M6	3 x 25	HSK 85 W	18.000
A479	26	milling arbor	40	240	M6	3 x 25	HSK 85 W	18.000
A480	26	milling arbor	40	250	M6	3 x 25	HSK 85 W	18.000
A481	26	milling arbor	50	70	M8	3 x 25	HSK 85 W	18.000
A482	26	milling arbor	50	75	M8	3 x 25	HSK 85 W	18.000
A483	26	milling arbor	50	80	M8	3 x 25	HSK 85 W	18.000
A484	26	milling arbor	50	85	M8	3 x 25	HSK 85 W	18.000
A485	26	milling arbor	50	90	M8	3 x 25	HSK 85 W	18.000
A486	26	milling arbor	50	95	M8	3 x 25	HSK 85 W	18.000
A487	26	milling arbor	50	100	M8	3 x 25	HSK 85 W	18.000
A488	26	milling arbor	50	105	M8	3 x 25	HSK 85 W	18.000
A489	26	milling arbor	50	110	M8	3 x 25	HSK 85 W	18.000
A490	26	milling arbor	50	115	M8	3 x 25	HSK 85 W	18.000
A491	26	milling arbor	50	120	M8	3 x 25	HSK 85 W	18.000
A492	26	milling arbor	50	125	M8	3 x 25	HSK 85 W	18.000
A493	26	milling arbor	50	130	M8	3 x 25	HSK 85 W	18.000
A494	26	milling arbor	50	135	M8	3 x 25	HSK 85 W	18.000
A495	26	milling arbor	50	140	M8	3 x 25	HSK 85 W	18.000
A496	26	milling arbor	50	145	M8	3 x 25	HSK 85 W	18.000
A497	26	milling arbor	50	150	M8	3 x 25	HSK 85 W	18.000
A498	26	milling arbor	50	160	M8	3 x 25	HSK 85 W	18.000
A499	26	milling arbor	50	170	M8	3 x 25	HSK 85 W	18.000

Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A500	26	milling arbor	50	180	M8	3 x 25	HSK 85 W	18.000
A501	26	milling arbor	50	190	M8	3 x 25	HSK 85 W	18.000
A502	26	milling arbor	50	200	M8	3 x 25	HSK 85 W	18.000
A503	26	milling arbor	50	210	M8	3 x 25	HSK 85 W	18.000
A504	26	milling arbor	50	220	M8	3 x 25	HSK 85 W	18.000
A505	26	milling arbor	50	230	M8	3 x 25	HSK 85 W	18.000
A506	26	milling arbor	50	240	M8	3 x 25	HSK 85 W	18.000
A507	26	milling arbor	50	250	M8	3 x 25	HSK 85 W	18.000
A508	26	milling arbor	1 - 1/4	80	M6	3 x 20	HSK 85 W	18.000
A509	26	milling arbor	1 - 1/4	85	M6	3 x 20	HSK 85 W	18.000
A510	26	milling arbor	1 - 1/4	90	M6	3 x 20	HSK 85 W	18.000
A511	26	milling arbor	1 - 1/4	95	M6	3 x 20	HSK 85 W	18.000
A512	26	milling arbor	1 - 1/4	100	M6	3 x 20	HSK 85 W	18.000
A513	26	milling arbor	1 - 1/4	105	M6	3 x 20	HSK 85 W	18.000
A514	26	milling arbor	1 - 1/4	110	M6	3 x 20	HSK 85 W	18.000
A515	26	milling arbor	1 - 1/4	115	M6	3 x 20	HSK 85 W	18.000
A516	26	milling arbor	1 - 1/4	120	M6	3 x 20	HSK 85 W	18.000
A517	26	milling arbor	1 - 1/4	125	M6	3 x 20	HSK 85 W	18.000
A518	26	milling arbor	1 - 1/4	130	M6	3 x 20	HSK 85 W	18.000
A519	26	milling arbor	1 - 1/4	135	M6	3 x 20	HSK 85 W	18.000
A520	26	milling arbor	1 - 1/4	140	M6	3 x 20	HSK 85 W	18.000
A521	26	milling arbor	1 - 1/4	145	M6	3 x 20	HSK 85 W	18.000
A522	26	milling arbor	1 - 1/4	150	M6	3 x 20	HSK 85 W	18.000
A523	26	milling arbor	1 - 1/4	160	M6	3 x 20	HSK 85 W	18.000
A524	26	milling arbor	1 - 1/4	170	M6	3 x 20	HSK 85 W	18.000
A525	26	milling arbor	1 - 1/4	180	M6	3 x 20	HSK 85 W	18.000
A526	26	milling arbor	1 - 1/4	190	M6	3 x 20	HSK 85 W	18.000
A527	26	milling arbor	1 - 1/4	200	M6	3 x 20	HSK 85 W	18.000
A528	26	milling arbor	1 - 1/4	210	M6	3 x 20	HSK 85 W	18.000
A529	26	milling arbor	1 - 1/4	220	M6	3 x 20	HSK 85 W	18.000
A530	26	milling arbor	1 - 1/4	230	M6	3 x 20	HSK 85 W	18.000
A531	26	milling arbor	1 - 1/4	240	M6	3 x 20	HSK 85 W	18.000
A532	26	milling arbor	1 - 1/4	250	M6	3 x 20	HSK 85 W	18.000

Part codes for available HSK CONNECTIONS*

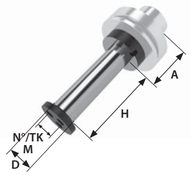
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Milling arbor for "SCM"

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws. The expanded end cap is included.



Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A600	26	milling arbor	40	70	M6	3 x 25	HSK 85 S	18.000
A601	26	milling arbor	40	75	M6	3 x 25	HSK 85 S	18.000
A602	26	milling arbor	40	80	M6	3 x 25	HSK 85 S	18.000
A603	26	milling arbor	40	85	M6	3 x 25	HSK 85 S	18.000
A604	26	milling arbor	40	90	M6	3 x 25	HSK 85 S	18.000
A605	26	milling arbor	40	95	M6	3 x 25	HSK 85 S	18.000
A606	26	milling arbor	40	100	M6	3 x 25	HSK 85 S	18.000
A607	26	milling arbor	40	105	M6	3 x 25	HSK 85 S	18.000
A608	26	milling arbor	40	110	M6	3 x 25	HSK 85 S	18.000
A609	26	milling arbor	40	115	M6	3 x 25	HSK 85 S	18.000
A610	26	milling arbor	40	120	M6	3 x 25	HSK 85 S	18.000
A611	26	milling arbor	40	125	M6	3 x 25	HSK 85 S	18.000
A612	26	milling arbor	40	130	M6	3 x 25	HSK 85 S	18.000
A613	26	milling arbor	40	135	M6	3 x 25	HSK 85 S	18.000
A614	26	milling arbor	40	140	M6	3 x 25	HSK 85 S	18.000
A615	26	milling arbor	40	145	M6	3 x 25	HSK 85 S	18.000
A616	26	milling arbor	40	150	M6	3 x 25	HSK 85 S	18.000
A617	26	milling arbor	40	160	M6	3 x 25	HSK 85 S	18.000
A618	26	milling arbor	40	170	M6	3 x 25	HSK 85 S	18.000
A619	26	milling arbor	40	180	M6	3 x 25	HSK 85 S	18.000
A620	26	milling arbor	40	190	M6	3 x 25	HSK 85 S	18.000
A621	26	milling arbor	40	200	M6	3 x 25	HSK 85 S	18.000
A622	26	milling arbor	40	210	M6	3 x 25	HSK 85 S	18.000
A623	26	milling arbor	40	220	M6	3 x 25	HSK 85 S	18.000
A624	26	milling arbor	40	230	M6	3 x 25	HSK 85 S	18.000
A625	26	milling arbor	40	240	M6	3 x 25	HSK 85 S	18.000
A626	26	milling arbor	40	250	M6	3 x 25	HSK 85 S	18.000
A627	26	milling arbor	50	70	M8	3 x 25	HSK 85 S	18.000
A628	26	milling arbor	50	75	M8	3 x 25	HSK 85 S	18.000
A629	26	milling arbor	50	80	M8	3 x 25	HSK 85 S	18.000
A630	26	milling arbor	50	85	M8	3 x 25	HSK 85 S	18.000
A631	26	milling arbor	50	90	M8	3 x 25	HSK 85 S	18.000
A632	26	milling arbor	50	95	M8	3 x 25	HSK 85 S	18.000

Part code	A	Description	D	H	M	N°/TK	Connection	Balancing (RPM)
A633	26	milling arbor	50	100	M8	3 x 25	HSK 85 S	18.000
A634	26	milling arbor	50	105	M8	3 x 25	HSK 85 S	18.000
A635	26	milling arbor	50	110	M8	3 x 25	HSK 85 S	18.000
A636	26	milling arbor	50	115	M8	3 x 25	HSK 85 S	18.000
A637	26	milling arbor	50	120	M8	3 x 25	HSK 85 S	18.000
A638	26	milling arbor	50	125	M8	3 x 25	HSK 85 S	18.000
A639	26	milling arbor	50	130	M8	3 x 25	HSK 85 S	18.000
A640	26	milling arbor	50	135	M8	3 x 25	HSK 85 S	18.000
A641	26	milling arbor	50	140	M8	3 x 25	HSK 85 S	18.000
A642	26	milling arbor	50	145	M8	3 x 25	HSK 85 S	18.000
A643	26	milling arbor	50	150	M8	3 x 25	HSK 85 S	18.000
A644	26	milling arbor	50	160	M8	3 x 25	HSK 85 S	18.000
A645	26	milling arbor	50	170	M8	3 x 25	HSK 85 S	18.000
A646	26	milling arbor	50	180	M8	3 x 25	HSK 85 S	18.000
A647	26	milling arbor	50	190	M8	3 x 25	HSK 85 S	18.000
A648	26	milling arbor	50	200	M8	3 x 25	HSK 85 S	18.000
A649	26	milling arbor	50	210	M8	3 x 25	HSK 85 S	18.000
A650	26	milling arbor	50	220	M8	3 x 25	HSK 85 S	18.000
A651	26	milling arbor	50	230	M8	3 x 25	HSK 85 S	18.000
A652	26	milling arbor	50	240	M8	3 x 25	HSK 85 S	18.000
A653	26	milling arbor	50	250	M8	3 x 25	HSK 85 S	18.000

MANUFACTURING MATERIAL

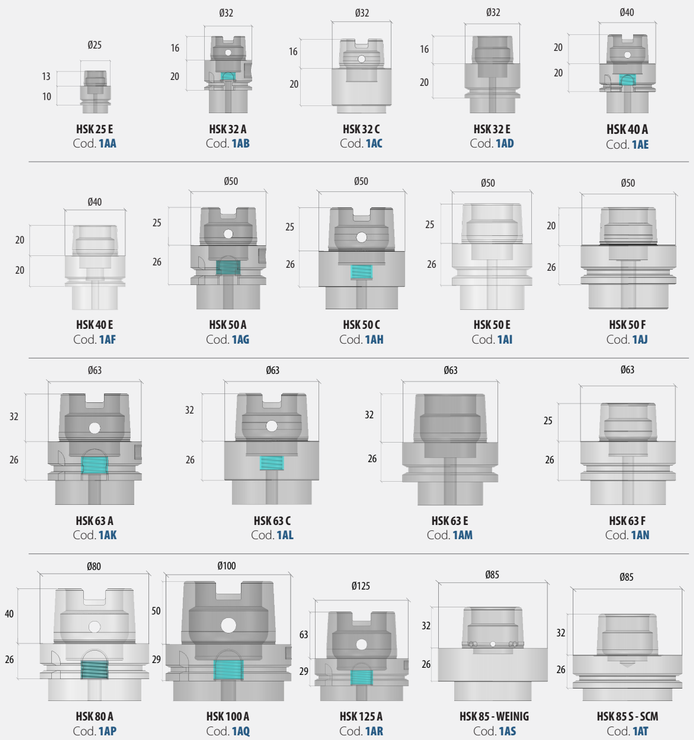
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

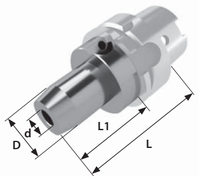
*See page 69 for the complete list of DIN manufacturing rules.



HSK HSK TOOL HOLDERS **DIN 69893**

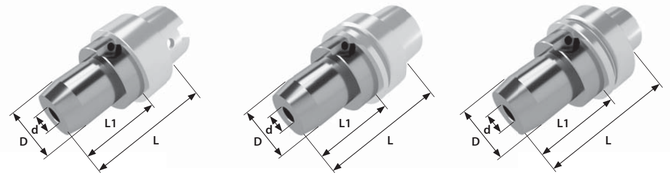
Hydro Chucks

Ideal for detailing, milling and drilling operations.
Hydro chucks combine the best of all high range clamping systems, providing exceptional concentricity features and ease of set up.



page 163
page 223

Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AM00	hydro chuck	30	10	90	65	HSK 32 A-E	50.000
AM00	hydro chuck	30	10	90	65	HSK 40 A-E	24.000
AM01	hydro chuck	32	12	95	70	HSK 40 A-E	24.000
AM02	hydro chuck	32	12	100	64	HSK 50 A-E-F	24.000
AM03	hydro chuck	32	12	85	65	HSK 63 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 50 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 63 A-E-F	24.000
AM04	hydro chuck	38	16	95	69	HSK 80 A	18.000
AM05	hydro chuck	38	16	95	66	HSK 100 A	18.000
AM06	hydro chuck	42	20	95	69	HSK 63 A-C-E-F	18.000
AM07	hydro chuck	42	20	95	66	HSK 80 A	18.000
AM07	hydro chuck	42	20	95	66	HSK 100 A	18.000
AM08	hydro chuck	52	25	120	94	HSK 63 A-C-E-F	18.000
AM08	hydro chuck	52	25	120	94	HSK 80 A	18.000
AM09	hydro chuck	52	25	120	91	HSK 100 A	18.000
AM10	hydro chuck	60	32	120	94	HSK 63 A-C-E-F	18.000
AM10	hydro chuck	60	32	120	94	HSK 80 A	18.000
AM11	hydro chuck	60	32	120	91	HSK 100 A	18.000
AM11	hydro chuck	60	32	120	91	HSK 125 A	18.000
AM12	hydro chuck	30	3/8"	100	59	HSK 50 A-E-F	18.000
AM13	hydro chuck	30	3/8"	80	59	HSK 63 A-E-F	18.000
AM14	hydro chuck	32	1/2"	85	64	HSK 63 A-E-F	18.000



Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AM15	hydro chuck	32	1/2"	90	64	HSK 80 A	18.000
AM16	hydro chuck	32	1/2"	90	61	HSK 100 A	18.000
AM17	hydro chuck	42	3/4"	95	69	HSK 63 A-E-F	18.000
AM18	hydro chuck	42	3/4"	95	70	HSK 80 A	18.000
AM19	hydro chuck	42	3/4"	95	68	HSK 100 A	18.000
AM20	hydro chuck	52	1"	120	94	HSK 63 A-E-F	18.000
AM20	hydro chuck	52	1"	120	94	HSK 80 A	18.000
AM21	hydro chuck	52	1"	120	91	HSK 100 A	18.000

● MANUFACTURING MATERIAL

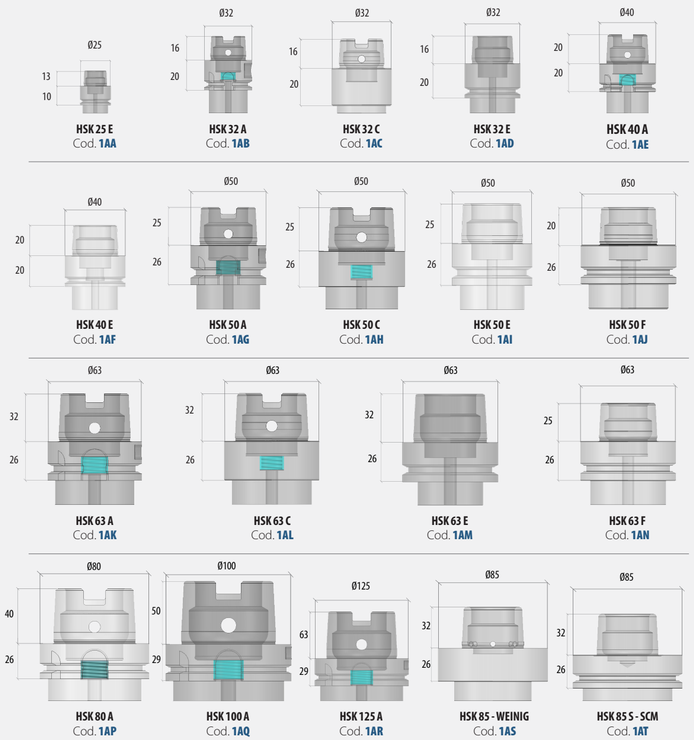
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Twister Hydro with adjustable height

Twister technology combines with the hydraulic clamping system for effective wood chip suction and excellent cutting precision.

page 163 page 223

Part code	Description	D	d	L	L1	L2	Connection	Balancing (RPM)
AN00	Twister hydro RH	98	10	101	65	21	HSK 63 E-F	24.000
AN01	Twister hydro RH	98	12	106	65	21	HSK 63 E-F	24.000
AN02	Twister hydro RH	98	16	116	59	21	HSK 63 E-F	24.000
AN03	Twister hydro RH	98	20	116	59	21	HSK 63 E-F	24.000
AN04	Twister hydro RH	98	25	141	70	21	HSK 63 E-F	24.000
AN05	Twister hydro RH	98	32	141	64	21	HSK 63 E-F	24.000
AN06	Twister hydro RH	98	3/8"	101	65	21	HSK 63 E-F	24.000
AN07	Twister hydro RH	98	1/2"	106	65	21	HSK 63 E-F	24.000
AN08	Twister hydro RH	98	3/4"	116	59	21	HSK 63 E-F	24.000

Part code	Description	D	d	L	L1	L2	Connection	Balancing (RPM)
AP00	Twister hydro LH	98	10	101	65	21	HSK 63 E-F	24.000
AP01	Twister hydro LH	98	12	106	65	21	HSK 63 E-F	24.000
AP02	Twister hydro LH	98	16	116	59	21	HSK 63 E-F	24.000
AP03	Twister hydro LH	98	20	116	59	21	HSK 63 E-F	24.000
AP04	Twister hydro LH	98	25	141	70	21	HSK 63 E-F	24.000
AP05	Twister hydro LH	98	32	141	64	21	HSK 63 E-F	24.000
AP06	Twister hydro LH	98	3/8"	101	65	21	HSK 63 E-F	24.000
AP07	Twister hydro LH	98	1/2"	106	65	21	HSK 63 E-F	24.000
AP08	Twister hydro LH	98	3/4"	116	59	21	HSK 63 E-F	24.000

MANUFACTURING MATERIAL

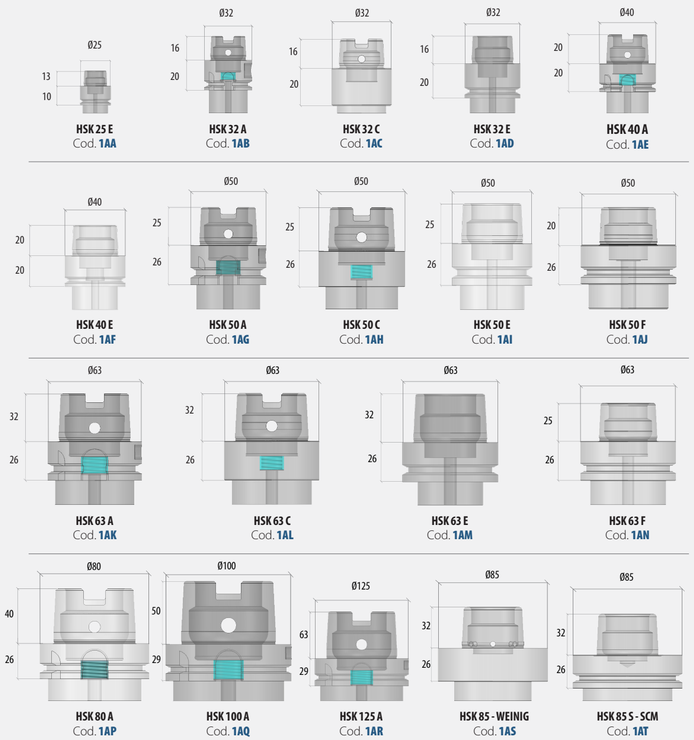
STEEL

HSK

Part codes for available HSK CONNECTIONS*

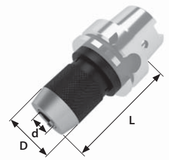
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

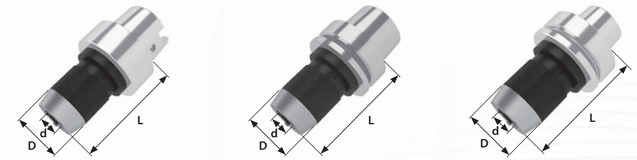


Drill Chucks

Drill chucks are an effective system for low speed boring, milling and generic cut operations.



Part code	Description	d	D	L	Connection	Balancing (RPM)
AQ00	drill chuck	0÷13	50	130	HSK 50 A-E-F	18.000
AQ00	drill chuck	0÷13	50	130	HSK 63 A-E-F	18.000
AQ00	drill chuck	0÷13	50	130	HSK 80 A	18.000
AQ00	drill chuck	0÷13	50	130	HSK 100 A	18.000
AQ01	drill chuck	0÷16	57	140	HSK 63 A-E-F	18.000
AQ01	drill chuck	0÷16	57	140	HSK 80 A	18.000
AQ01	drill chuck	0÷16	57	140	HSK 100 A	18.000
AQ01	drill chuck	0÷16	57	140	HSK 125 A	18.000



MANUFACTURING MATERIAL

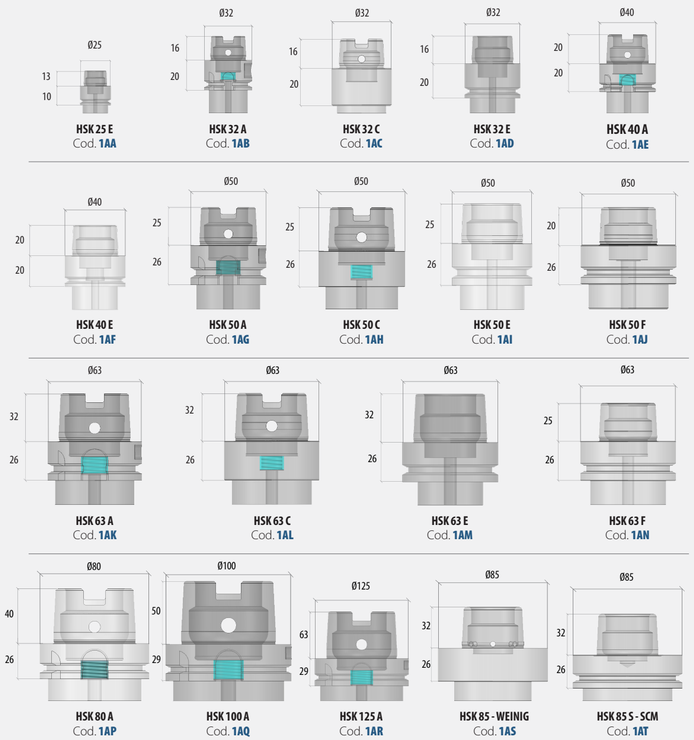
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

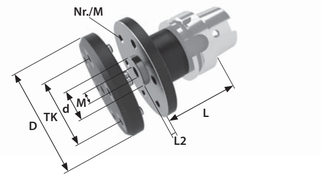


HSK HSK TOOL HOLDERS **DIN 69893**

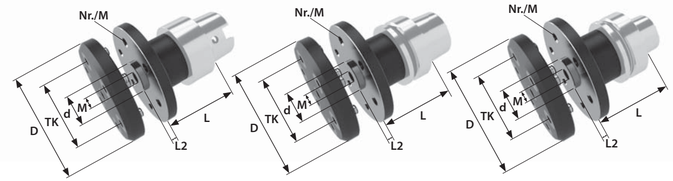
Saw Blade Holders with/without Counterflange

Saw Blade Holders are used for circular saws clamping. The tool is locked in place with six screws and (optionally) with a safety counterflange.

page 163 page 223



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
AS00	saw blade holder without counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 40 E	24.000
AS00	saw blade holder without counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 50 A-C-E-F	24.000
AS01	saw blade holder without counterflange	100	1 - 1/4''	60	3	6/M5/vts	75	M12	HSK 50 A-C-E-F	24.000
AS02	saw blade holder without counterflange	80	1''	60	3	6/M5/vts	50	M10	HSK 63 A-C-E-F	24.000
AS03	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	HSK 63 A-C-E-F	24.000
AS04	saw blade holder without counterflange	100	1 - 1/4''	60	3	6/M5/vts	75	M12	HSK 63 A-C-E-F	24.000
AS05	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	HSK 63 A-C-E-F	24.000
AS06	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	HSK 63 A-C-E-F	24.000
AS07	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	HSK 63 A-C-E-F	24.000



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
AR00	saw blade holder with counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 40 E	24.000
AR00	saw blade holder with counterflange	90	30	60	3	6/M5/vts	60	M12	HSK 50 A-C-E-F	24.000
AR01	saw blade holder with counterflange	100	1 - 1/4''	60	3	6/M5/vts	75	M12	HSK 50 A-C-E-F	24.000
AR02	saw blade holder with counterflange	80	1''	60	3	6/M5/vts	50	M10	HSK 63 A-C-E-F	24.000
AR03	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	HSK 63 A-C-E-F	24.000
AR04	saw blade holder with counterflange	100	1 - 1/4''	60	3	6/M5/vts	75	M12	HSK 63 A-C-E-F	24.000
AR05	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	HSK 63 A-C-E-F	24.000
AR06	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	HSK 63 A-C-E-F	24.000
AR07	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	HSK 63 A-C-E-F	24.000

When the sawblade holder is used with a counterflange, the tool is locked with a central M12 or M16 screw in addition to the standard six M5 or M6 ones. The counterflange is recommended for saws with an external diameter wider than 25cm (10")

MANUFACTURING MATERIAL

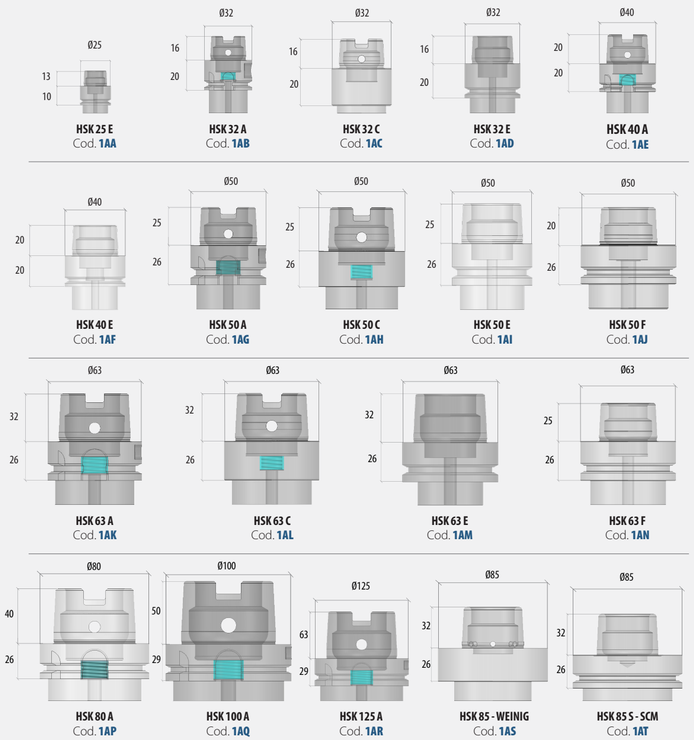
STEEL

HSK

Part codes for available HSK CONNECTIONS*

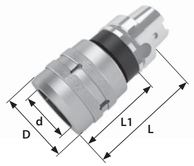
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Milling chucks

The high clamping force, combined with the ease of use, makes milling chucks ideal for generic cut and milling operations.



Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
AT00	milling chuck	54	20	95	69	HSK 50 A-E	24.000
AT01	milling chuck	64	25	95	69	HSK 50 A-E	24.000
AT01	milling chuck	64	25	95	69	HSK 63 A-E-F	20.000
AT02	milling chuck	74	32	95	69	HSK 63 A-E-F	20.000
AT03	milling chuck	74	32	105	79	HSK 80 A	18.000
AT04	milling chuck	74	32	105	66	HSK 100 A	18.000
AT05	milling chuck	74	32	130	101	HSK 125 A	18.000

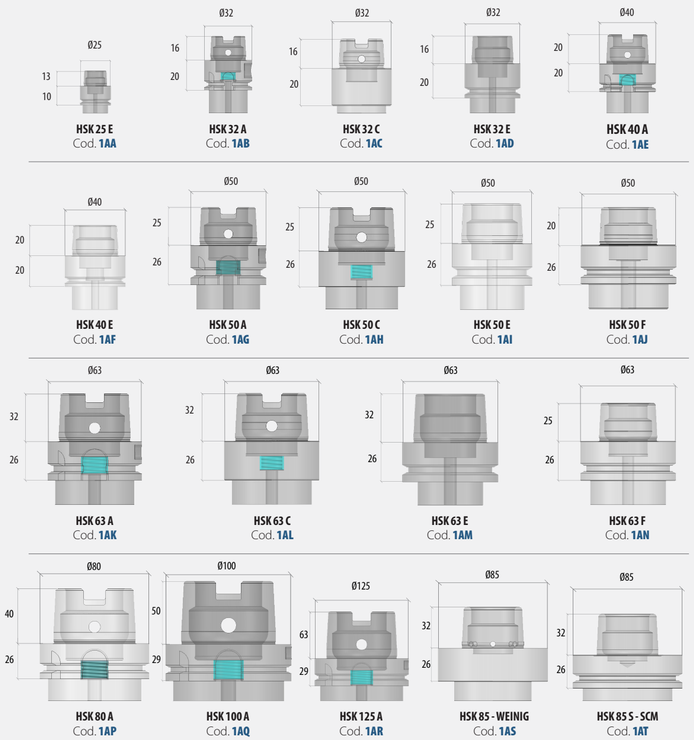
● MANUFACTURING MATERIAL

STEEL

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

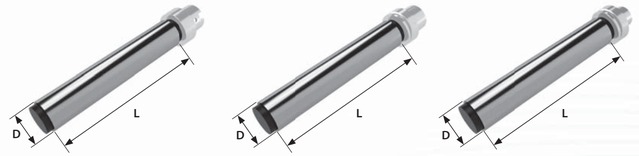


Test Bars

Test bars provide the maximum precision when performing centering inspections on the electrospindle.

page 163 page 223

Part code	Description	D	L	Connection	Balancing (RPM)
AU00	test bar	20	200	HSK 25 E	70.000
AU01	test bar	25	200	HSK 32 A-E	50.000
AU02	test bar	25	300	HSK 32 A-E	50.000
AU03	test bar	30	200	HSK 40 A-E	24.000
AU04	test bar	30	300	HSK 40 A-E	24.000
AU05	test bar	40	200	HSK 50 A-E-F	24.000
AU06	test bar	40	300	HSK 50 A-E-F	24.000
AU05	test bar	40	200	HSK 63 A-E-F	24.000
AU06	test bar	40	300	HSK 63 A-E-F	24.000
AU07	test bar	50	200	HSK 80 A	24.000
AU08	test bar	50	300	HSK 80 A	24.000
AU07	test bar	50	200	HSK 100 A	18.000
AU08	test bar	50	300	HSK 100 A	18.000
AU08	test bar	50	300	HSK 125 A	18.000
AU08	test bar	50	300	HSK 85 S - HSK 85 W	24.000



MANUFACTURING MATERIAL

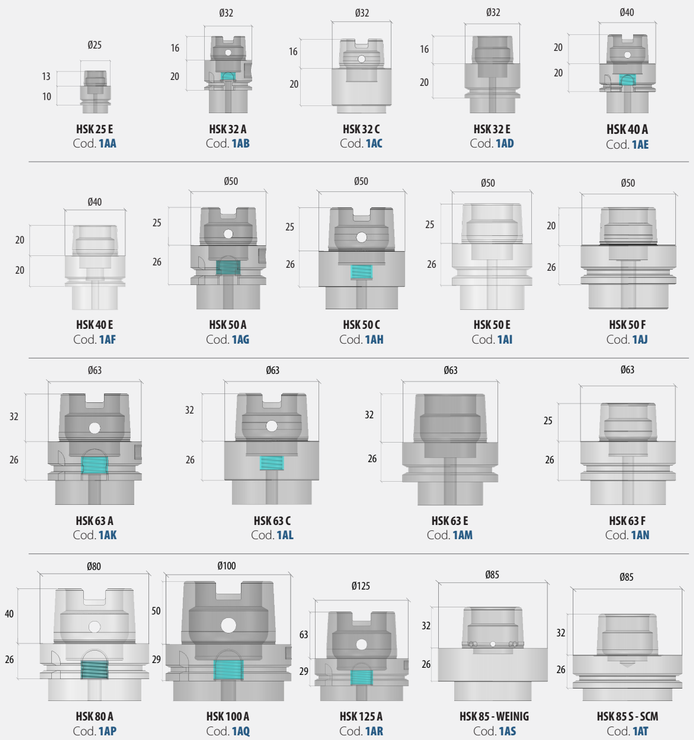
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

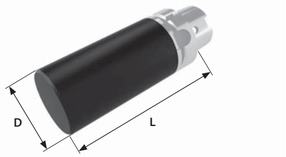
*See page 69 for the complete list of DIN manufacturing rules.



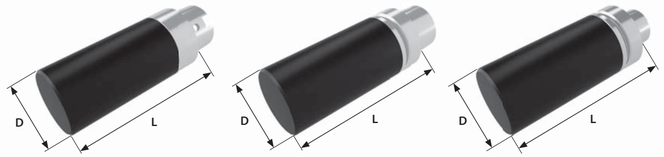
Blank Bars

Tool holders with finished machine connection and untempered bodies, for the manufacturing of mono-block tools.

page 163 page 223



Part code	Description	D	L	Connection	Balancing (RPM)
AV00	blank bar	40	200	HSK 40 A-E	24.000
AV01	blank bar	50	200	HSK 50 A-C-E-F	24.000
AV02	blank bar	50	300	HSK 50 A-C-E-F	24.000
AV03	blank bar	20	200	HSK 63 A-C-E-F	24.000
AV04	blank bar	25	200	HSK 63 A-C-E-F	24.000
AV05	blank bar	30	233	HSK 63 A-C-E-F	24.000
AV06	blank bar	35	233	HSK 63 A-C-E-F	24.000
AV07	blank bar	1-1/4"	233	HSK 63 A-C-E-F	24.000
AV08	blank bar	1"	233	HSK 63 A-C-E-F	24.000
AV09	blank bar	40	233	HSK 63 A-C-E-F	24.000
AV10	blank bar	30	242	HSK 63 A-C-E-F	24.000
AV11	blank bar	35	242	HSK 63 A-C-E-F	24.000
AV12	blank bar	1-1/4"	242	HSK 63 A-C-E-F	24.000
AV13	blank bar	1"	242	HSK 63 A-C-E-F	24.000
AV14	blank bar	40	242	HSK 63 A-C-E-F	24.000
AV15	blank bar	40	200	HSK 63 A-C-E-F	24.000
AV16	blank bar	50	200	HSK 63 A-C-E-F	24.000
AV17	blank bar	63	200	HSK 63 A-C-E-F	24.000
AV18	blank bar	63	300	HSK 63 A-C-E-F	24.000
AV19	blank bar	80	200	HSK 80 A	24.000
AV20	blank bar	80	300	HSK 80 A	24.000
AV21	blank bar	100	200	HSK 100 A	18.000



Part code	Description	D	L	Connection	Balancing (RPM)
AV22	blank bar	100	300	HSK 100 A	18.000
AV23	blank bar	125	200	HSK 125 A	18.000
AV24	blank bar	125	300	HSK 125 A	18.000
AV25	blank bar	90	100	HSK 85 W	24.000
AV26	blank bar	90	150	HSK 85 W	24.000
AV27	blank bar	90	200	HSK 85 W	24.000
AV28	blank bar	90	250	HSK 85 W	24.000
AV29	blank bar	90	300	HSK 85 W	24.000
AV30	blank bar	40	300	HSK 85 S	24.000
AV31	blank bar	40	100	HSK 85 S	24.000
AV32	blank bar	40	150	HSK 85 S	24.000
AV33	blank bar	50	200	HSK 85 S	24.000
AV34	blank bar	50	250	HSK 85 S	24.000
AV35	blank bar	50	300	HSK 85 S	24.000

MANUFACTURING MATERIAL

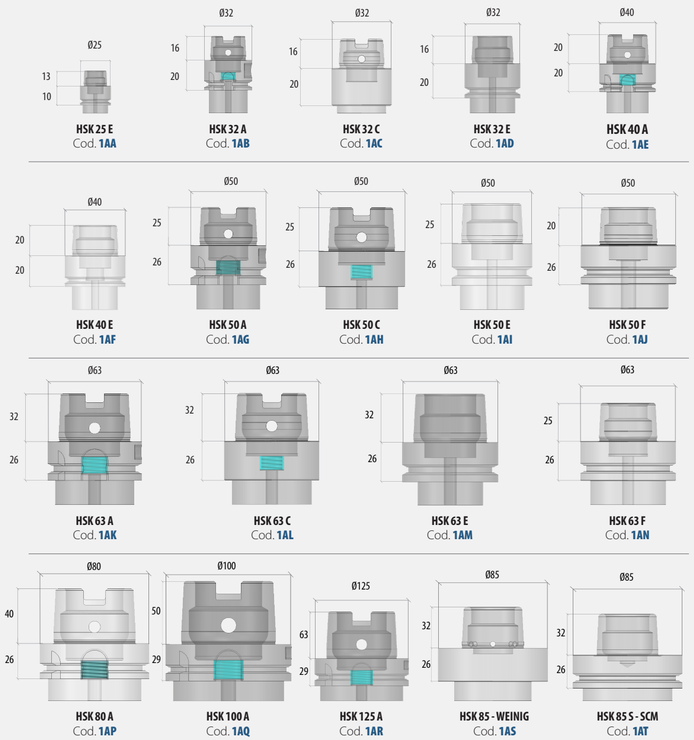
STEEL

HSK

Part codes for available HSK CONNECTIONS*

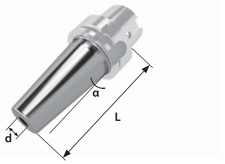
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Shrink Fit Tool Holders

With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.



page 163 page 223

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B000	shrink fit tool holder	3	75	4°30'	HSK 25 E	70.000
B000	shrink fit tool holder	3	75	4°30'	HSK 32 A-E	50.000
B001	shrink fit tool holder	4	75	4°30'	HSK 25 E	70.000
B001	shrink fit tool holder	4	75	4°30'	HSK 32 A-E	50.000
B001	shrink fit tool holder	4	75	4°30'	HSK 40 A-E	24.000
B001	shrink fit tool holder	4	75	4°30'	HSK 50 A-C-E-F	24.000
B001	shrink fit tool holder	4	75	4°30'	HSK 63 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 25 E	70.000
B002	shrink fit tool holder	6	75	4°30'	HSK 32 A-E	50.000
B002	shrink fit tool holder	6	75	4°30'	HSK 40 A- E	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 50 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 63 A-C-E-F	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 80 A	24.000
B002	shrink fit tool holder	6	75	4°30'	HSK 100 A	18.000
B003	shrink fit tool holder	8	75	4°30'	HSK 50 A-C-E-F	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 63 A-C-E-F	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 80 A	24.000
B003	shrink fit tool holder	8	75	4°30'	HSK 100 A	18.000
B004	shrink fit tool holder	10	75	4°30'	HSK 50 A-C-E-F	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 63 A-C-E-F	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 80 A	24.000
B004	shrink fit tool holder	10	75	4°30'	HSK 100 A	18.000
B005	shrink fit tool holder	12	75	4°30'	HSK 63 A-C-E-F	24.000
B005	shrink fit tool holder	12	75	4°30'	HSK 80 A	24.000
B005	shrink fit tool holder	12	75	4°30'	HSK 100 A	18.000
B006	shrink fit tool holder	14	75	4°30'	HSK 63 A-C-E-F	24.000
B006	shrink fit tool holder	14	75	4°30'	HSK 80 A	24.000
B006	shrink fit tool holder	14	75	4°30'	HSK 100 A	18.000
B007	shrink fit tool holder	16	75	4°30'	HSK 63 A-C-E-F	24.000
B007	shrink fit tool holder	16	75	4°30'	HSK 80 A	24.000
B007	shrink fit tool holder	16	75	4°30'	HSK 100 A	18.000
B008	shrink fit tool holder	18	75	4°30'	HSK 63 A-C-E-F	24.000
B008	shrink fit tool holder	18	75	4°30'	HSK 80 A	24.000
B008	shrink fit tool holder	18	75	4°30'	HSK 100 A	18.000
B009	shrink fit tool holder	20	75	4°30'	HSK 63 A-C-E-F	24.000
B009	shrink fit tool holder	20	75	4°30'	HSK 80 A	24.000

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B009	shrink fit tool holder	20	75	4°30'	HSK 100 A	18.000
B009	shrink fit tool holder	20	75	4°30'	HSK 125 A	18.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 25 E	70.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 32 A-E	50.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 40 A-E	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 50 A-C-E-F	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 63 A-C-E-F	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 80 A	24.000
B010	shrink fit tool holder	1/4"	75	4°30'	HSK 100 A	18.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 50 A-C-E-F	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 63 A-C-E-F	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 80 A	24.000
B011	shrink fit tool holder	3/8"	75	4°30'	HSK 100 A	18.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 50 A-C-E-F	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 63 A-C-E-F	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 80 A	24.000
B012	shrink fit tool holder	1/2"	75	4°30'	HSK 100 A	18.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 63 A-C-E-F	24.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 80 A	24.000
B013	shrink fit tool holder	5/8"	75	4°30'	HSK 100 A	18.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 63 A-C-E-F	24.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 80 A	24.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 100 A	18.000
B014	shrink fit tool holder	3/4"	75	4°30'	HSK 125 A	18.000
B015	shrink fit tool holder	3	90	4°30'	HSK 25 E	70.000
B015	shrink fit tool holder	3	90	4°30'	HSK 32 A-E	50.000
B016	shrink fit tool holder	4	90	4°30'	HSK 25 E	70.000

● MANUFACTURING MATERIAL

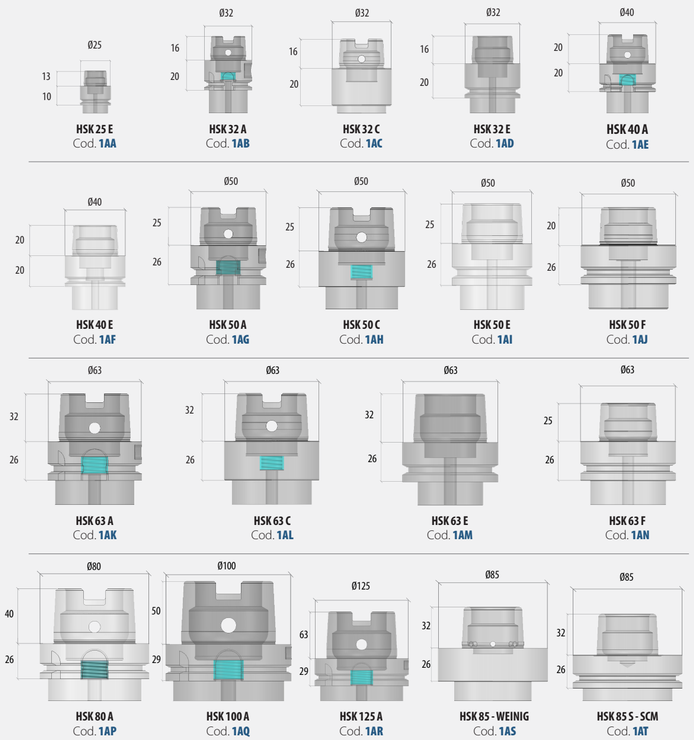
STEEL

HSK

Part codes for available HSK CONNECTIONS*

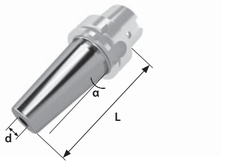
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

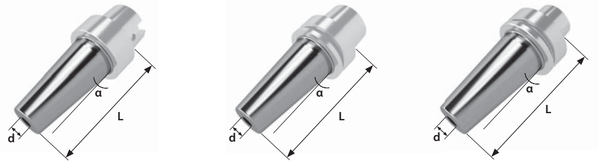


Shrink Fit Tool Holders

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B016	shrink fit tool holder	4	90	4°30'	HSK 32 A-E	50.000
B016	shrink fit tool holder	4	90	4°30'	HSK 40 A-E	24.000
B016	shrink fit tool holder	4	90	4°30'	HSK 50 A-C-E-F	24.000
B016	shrink fit tool holder	4	90	4°30'	HSK 63 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 25 E	70.000
B017	shrink fit tool holder	6	90	4°30'	HSK 32 A-E	50.000
B017	shrink fit tool holder	6	90	4°30'	HSK 40 A-E	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 50 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 63 A-C-E-F	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 80 A	24.000
B017	shrink fit tool holder	6	90	4°30'	HSK 100 A	18.000
B018	shrink fit tool holder	8	90	4°30'	HSK 50 A-C-E-F	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 63 A-C-E-F	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 80 A	24.000
B018	shrink fit tool holder	8	90	4°30'	HSK 100 A	18.000
B019	shrink fit tool holder	10	90	4°30'	HSK 50 A-C-E-F	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 63 A-C-E-F	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 80 A	24.000
B019	shrink fit tool holder	10	90	4°30'	HSK 100 A	18.000
B020	shrink fit tool holder	12	90	4°30'	HSK 63 A-C-E-F	24.000
B020	shrink fit tool holder	12	90	4°30'	HSK 80 A	24.000
B020	shrink fit tool holder	12	90	4°30'	HSK 100 A	18.000
B021	shrink fit tool holder	14	90	4°30'	HSK 63 A-C-E-F	24.000
B021	shrink fit tool holder	14	90	4°30'	HSK 80 A	24.000
B021	shrink fit tool holder	14	90	4°30'	HSK 100 A	18.000
B022	shrink fit tool holder	16	90	4°30'	HSK 63 A-C-E-F	24.000
B022	shrink fit tool holder	16	90	4°30'	HSK 80 A	24.000
B022	shrink fit tool holder	16	90	4°30'	HSK 100 A	18.000
B023	shrink fit tool holder	18	90	4°30'	HSK 63 A-C-E-F	24.000
B023	shrink fit tool holder	18	90	4°30'	HSK 80 A	24.000
B023	shrink fit tool holder	18	90	4°30'	HSK 100 A	18.000
B024	shrink fit tool holder	20	90	4°30'	HSK 63 A-C-E-F	24.000
B024	shrink fit tool holder	20	90	4°30'	HSK 80 A	24.000
B024	shrink fit tool holder	20	90	4°30'	HSK 100 A	18.000
B024	shrink fit tool holder	20	90	4°30'	HSK 125 A	18.000
B025	shrink fit tool holder	25	90	4°30'	HSK 63 A-C-E-F	24.000



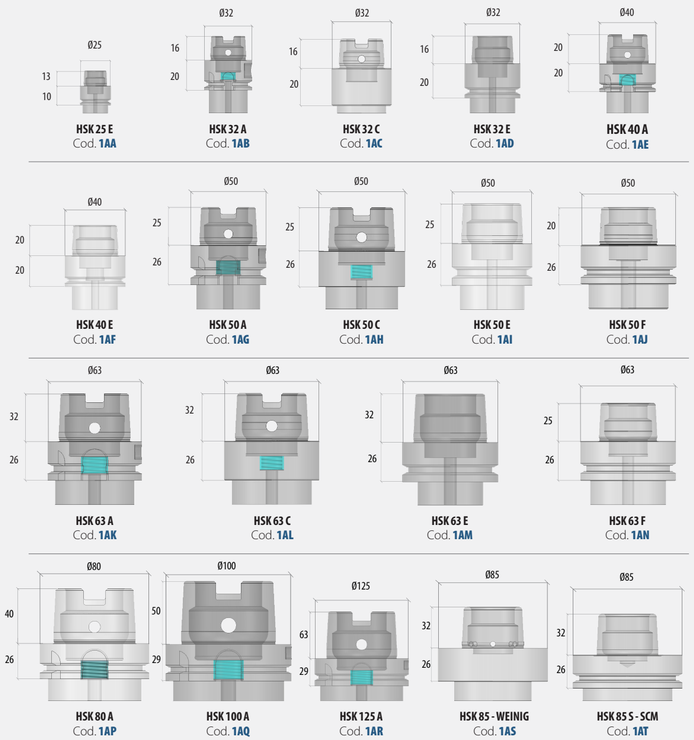
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
B025	shrink fit tool holder	25	90	4°30'	HSK 80 A	24.000
B025	shrink fit tool holder	25	90	4°30'	HSK 100 A	18.000
B025	shrink fit tool holder	25	90	4°30'	HSK 125 A	18.000
B026	shrink fit tool holder	32	90	4°30'	HSK 63 A-C-E-F	24.000
B026	shrink fit tool holder	32	90	4°30'	HSK 80 A	24.000
B026	shrink fit tool holder	32	90	4°30'	HSK 100 A	18.000
B026	shrink fit tool holder	32	90	4°30'	HSK 125 A	18.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 25 E	70.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 32 A-E	50.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 40 A-E	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 50 A-C-E-F	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 63 A-C-E-F	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 80 A	24.000
B027	shrink fit tool holder	1/4"	90	4°30'	HSK 100 A	18.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 50 A-C-E-F	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 63 A-C-E-F	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 80 A	24.000
B028	shrink fit tool holder	3/8"	90	4°30'	HSK 100 A	18.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 63 A-C-E-F	24.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 80 A	24.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 100 A	18.000
B029	shrink fit tool holder	1/2"	90	4°30'	HSK 125 A	18.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 63 A-C-E-F	24.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 80 A	24.000
B030	shrink fit tool holder	5/8"	90	4°30'	HSK 100 A	18.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 63 A-C-E-F	24.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 80 A	24.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 100 A	18.000
B031	shrink fit tool holder	3/4"	90	4°30'	HSK 125 A	18.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 63 A-C-E-F	24.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 80 A	24.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 100 A	18.000
B032	shrink fit tool holder	1"	90	4°30'	HSK 125 A	18.000

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

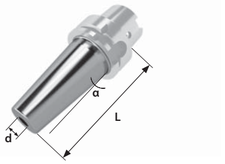
*See page 69 for the complete list of DIN manufacturing rules.



Shrink Fit Tool Holders - Extended version

With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C000	shrink fit tool holder	3	120	4°30'	HSK 25 E	70.000
C000	shrink fit tool holder	3	120	4°30'	HSK 32 A-E	50.000
C001	shrink fit tool holder	4	120	4°30'	HSK 32 A-E	50.000
C001	shrink fit tool holder	4	120	4°30'	HSK 40 A-E	24.000
C001	shrink fit tool holder	4	120	4°30'	HSK 50 A-C-E-F	24.000
C001	shrink fit tool holder	4	120	4°30'	HSK 63 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 25 E	70.000
C002	shrink fit tool holder	6	120	4°30'	HSK 32 A-E	50.000
C002	shrink fit tool holder	6	120	4°30'	HSK 40 A- E	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 50 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 63 A-C-E-F	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 80 A	24.000
C002	shrink fit tool holder	6	120	4°30'	HSK 100 A	18.000
C003	shrink fit tool holder	8	120	4°30'	HSK 50 A-C-E-F	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 63 A-C-E-F	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 80 A	24.000
C003	shrink fit tool holder	8	120	4°30'	HSK 100 A	18.000
C004	shrink fit tool holder	10	120	4°30'	HSK 63 A-C-E-F	24.000
C004	shrink fit tool holder	10	120	4°30'	HSK 80 A	24.000
C004	shrink fit tool holder	10	120	4°30'	HSK 100 A	18.000
C005	shrink fit tool holder	12	120	4°30'	HSK 63 A-C-E-F	24.000
C005	shrink fit tool holder	12	120	4°30'	HSK 80 A	24.000
C005	shrink fit tool holder	12	120	4°30'	HSK 100 A	18.000
C006	shrink fit tool holder	14	120	4°30'	HSK 63 A-C-E-F	24.000
C006	shrink fit tool holder	14	120	4°30'	HSK 80 A	24.000
C006	shrink fit tool holder	14	120	4°30'	HSK 100 A	18.000
C007	shrink fit tool holder	16	120	4°30'	HSK 63 A-C-E-F	24.000
C007	shrink fit tool holder	16	120	4°30'	HSK 80 A	24.000
C007	shrink fit tool holder	16	120	4°30'	HSK 100 A	18.000
C008	shrink fit tool holder	18	120	4°30'	HSK 63 A-C-E-F	24.000
C008	shrink fit tool holder	18	120	4°30'	HSK 80 A	24.000
C008	shrink fit tool holder	18	120	4°30'	HSK 100 A	18.000
C009	shrink fit tool holder	20	120	4°30'	HSK 63 A-C-E-F	24.000
C009	shrink fit tool holder	20	120	4°30'	HSK 80 A	24.000
C009	shrink fit tool holder	20	120	4°30'	HSK 100 A	18.000
C009	shrink fit tool holder	20	120	4°30'	HSK 125 A	18.000

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C010	shrink fit tool holder	25	120	4°30'	HSK 63 A-C-E-F	24.000
C010	shrink fit tool holder	25	120	4°30'	HSK 80 A	24.000
C010	shrink fit tool holder	25	120	4°30'	HSK 100 A	18.000
C010	shrink fit tool holder	25	120	4°30'	HSK 125 A	18.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 25 E	70.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 32 A-E	50.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 40 A-E	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 50 A-C-E-F	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 63 A-C-E-F	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 80 A	24.000
C011	shrink fit tool holder	1/4"	120	4°30'	HSK 100 A	18.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 50 A-C-E-F	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 63 A-C-E-F	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 80 A	24.000
C012	shrink fit tool holder	3/8"	120	4°30'	HSK 100 A	18.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 63 A-C-E-F	24.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 80 A	24.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 100 A	18.000
C013	shrink fit tool holder	1/2"	120	4°30'	HSK 125 A	18.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 63 A-C-E-F	24.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 80 A	24.000
C014	shrink fit tool holder	5/8"	120	4°30'	HSK 100 A	18.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 63 A-C-E-F	24.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 80 A	24.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 100 A	18.000
C015	shrink fit tool holder	3/4"	120	4°30'	HSK 125 A	18.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 63 A-C-E-F	24.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 80 A	24.000

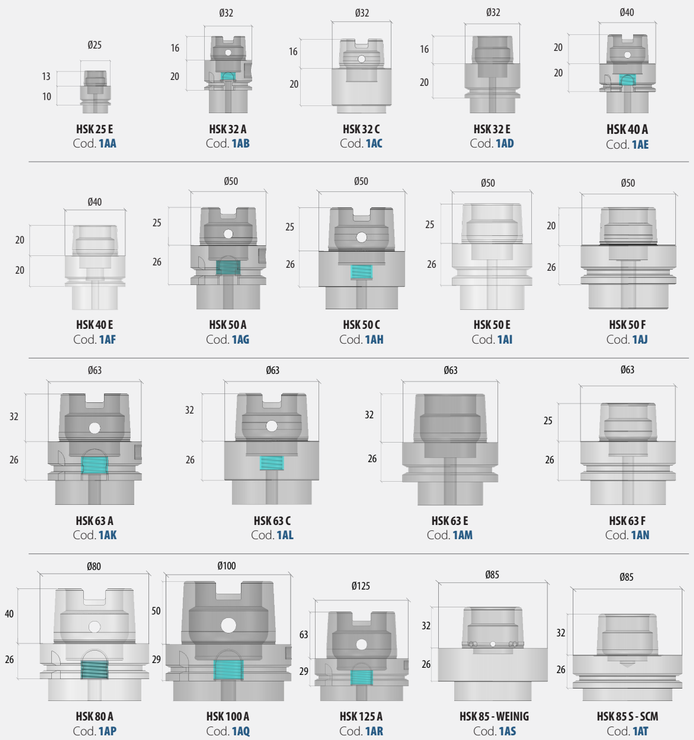
● MANUFACTURING MATERIAL

STEEL

Part codes for available HSK CONNECTIONS*

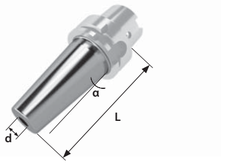
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

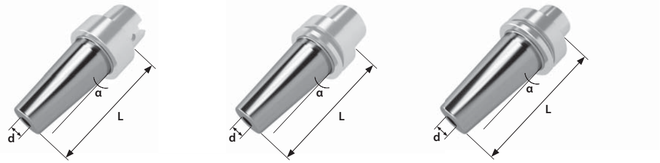


Shrink Fit Tool Holders - Extended version

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C016	shrink fit tool holder	1"	120	4°30'	HSK 100 A	18.000
C016	shrink fit tool holder	1"	120	4°30'	HSK 125 A	18.000
C017	shrink fit tool holder	3	160	4°30'	HSK 25 E	70.000
C017	shrink fit tool holder	3	160	4°30'	HSK 32 A-E	50.000
C018	shrink fit tool holder	4	160	4°30'	HSK 32 A-E	50.000
C018	shrink fit tool holder	4	160	4°30'	HSK 40 A-E	24.000
C018	shrink fit tool holder	4	160	4°30'	HSK 50 A-C-E-F	24.000
C018	shrink fit tool holder	4	160	4°30'	HSK 63 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 50 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 63 A-C-E-F	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 80 A	24.000
C019	shrink fit tool holder	6	160	4°30'	HSK 100 A	18.000
C020	shrink fit tool holder	8	160	4°30'	HSK 50 A-C-E-F	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 63 A-C-E-F	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 80 A	24.000
C020	shrink fit tool holder	8	160	4°30'	HSK 100 A	18.000
C021	shrink fit tool holder	10	160	4°30'	HSK 63 A-C-E-F	24.000
C021	shrink fit tool holder	10	160	4°30'	HSK 80 A	24.000
C021	shrink fit tool holder	10	160	4°30'	HSK 100 A	18.000
C022	shrink fit tool holder	12	160	4°30'	HSK 63 A-C-E-F	24.000
C022	shrink fit tool holder	12	160	4°30'	HSK 80 A	24.000
C022	shrink fit tool holder	12	160	4°30'	HSK 100 A	18.000
C023	shrink fit tool holder	14	160	4°30'	HSK 63 A-C-E-F	24.000
C023	shrink fit tool holder	14	160	4°30'	HSK 80 A	24.000
C023	shrink fit tool holder	14	160	4°30'	HSK 100 A	18.000
C024	shrink fit tool holder	16	160	4°30'	HSK 63 A-C-E-F	24.000
C024	shrink fit tool holder	16	160	4°30'	HSK 80 A	24.000
C024	shrink fit tool holder	16	160	4°30'	HSK 100 A	18.000
C025	shrink fit tool holder	18	160	4°30'	HSK 63 A-C-E-F	24.000
C025	shrink fit tool holder	18	160	4°30'	HSK 80 A	24.000
C025	shrink fit tool holder	18	160	4°30'	HSK 100 A	18.000
C026	shrink fit tool holder	20	160	4°30'	HSK 63 A-C-E-F	24.000
C026	shrink fit tool holder	20	160	4°30'	HSK 80 A	24.000
C026	shrink fit tool holder	20	160	4°30'	HSK 100 A	18.000
C027	shrink fit tool holder	25	160	4°30'	HSK 63 A-C-E-F	24.000
C027	shrink fit tool holder	25	160	4°30'	HSK 80 A	24.000

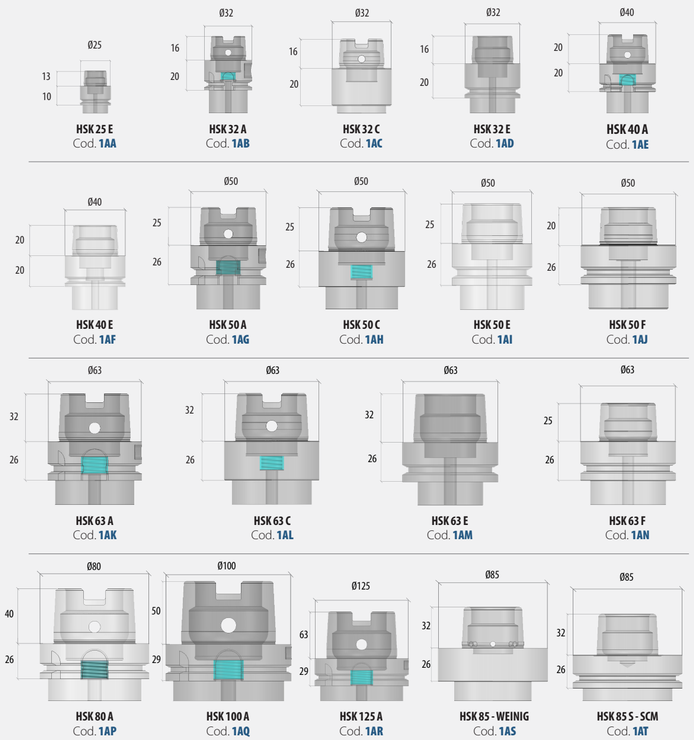


Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
C027	shrink fit tool holder	25	160	4°30'	HSK 100 A	18.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 25 E	70.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 32 A-E	50.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 40 A-E	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 50 A-C-E-F	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 63 A-C-E-F	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 80 A	24.000
C028	shrink fit tool holder	1/4"	160	4°30'	HSK 100 A	18.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 50 A-C-E-F	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 63 A-C-E-F	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 80 A	24.000
C029	shrink fit tool holder	3/8"	160	4°30'	HSK 100 A	18.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 63 A-C-E-F	24.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 80 A	24.000
C030	shrink fit tool holder	1/2"	160	4°30'	HSK 100 A	18.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 63 A-C-E-F	24.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 80 A	24.000
C031	shrink fit tool holder	5/8"	160	4°30'	HSK 100 A	18.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 63 A-C-E-F	24.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 80 A	24.000
C032	shrink fit tool holder	3/4"	160	4°30'	HSK 100 A	18.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 63 A-C-E-F	24.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 80 A	24.000
C033	shrink fit tool holder	1"	160	4°30'	HSK 100 A	18.000

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

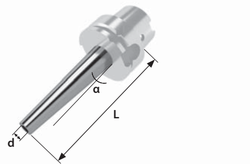
*See page 69 for the complete list of DIN manufacturing rules.



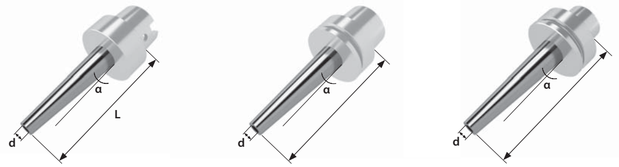
Shrink Fit Tool Holders - Slim version

The narrow body of the shrink fit tool holder "Slim" are ideal for deep precision milling operations.

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D000	shrink fit tool holder - slim version	3	75	3°	HSK 25 E	70.000
D000	shrink fit tool holder - slim version	3	75	3°	HSK 32 A-E	50.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 25 E	70.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 32 A-E	50.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 40 A-E	24.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 50 A-E-F	24.000
D001	shrink fit tool holder - slim version	4	75	3°	HSK 63 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 25 E	70.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 32 A-E	50.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 40 A-E	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 50 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 63 A-E-F	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 80 A	24.000
D002	shrink fit tool holder - slim version	6	75	3°	HSK 100 A	18.000
D003	shrink fit tool holder - slim version	3	90	3°	HSK 25 E	70.000
D003	shrink fit tool holder - slim version	3	90	3°	HSK 32 A-E	50.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 25 E	70.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 32 A-E	50.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 40 A-E	24.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 50 A-E-F	24.000
D004	shrink fit tool holder - slim version	4	90	3°	HSK 63 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 25 E	70.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 32 A-E	50.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 40 A-E	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 50 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 63 A-E-F	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 80 A	24.000
D005	shrink fit tool holder - slim version	6	90	3°	HSK 100 A	18.000
D006	shrink fit tool holder - slim version	3	120	3°	HSK 25 E	70.000
D006	shrink fit tool holder - slim version	3	120	3°	HSK 32 A-E	50.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D007	shrink fit tool holder - slim version	4	120	3°	HSK 32 A-E	50.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 40 A-E	24.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 50 A-E-F	24.000
D007	shrink fit tool holder - slim version	4	120	3°	HSK 63 A-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 25 E	70.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 32 A-E	50.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 40 A-E	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 50 A-C-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 63 A-C-E-F	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 80 A	24.000
D008	shrink fit tool holder - slim version	6	120	3°	HSK 100 A	18.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 50 A-C-E-F	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 63 A-C-E-F	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 80 A	24.000
D009	shrink fit tool holder - slim version	8	120	3°	HSK 100 A	18.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 63 A-C-E-F	24.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 80 A	24.000
D010	shrink fit tool holder - slim version	10	120	3°	HSK 100 A	18.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 63 A-C-E-F	24.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 80 A	24.000
D011	shrink fit tool holder - slim version	12	120	3°	HSK 100 A	18.000
D012	shrink fit tool holder - slim version	14	120	3°	HSK 63 A-C-E-F	24.000
D012	shrink fit tool holder - slim version	14	120	3°	HSK 80 A	24.000

● MANUFACTURING MATERIAL

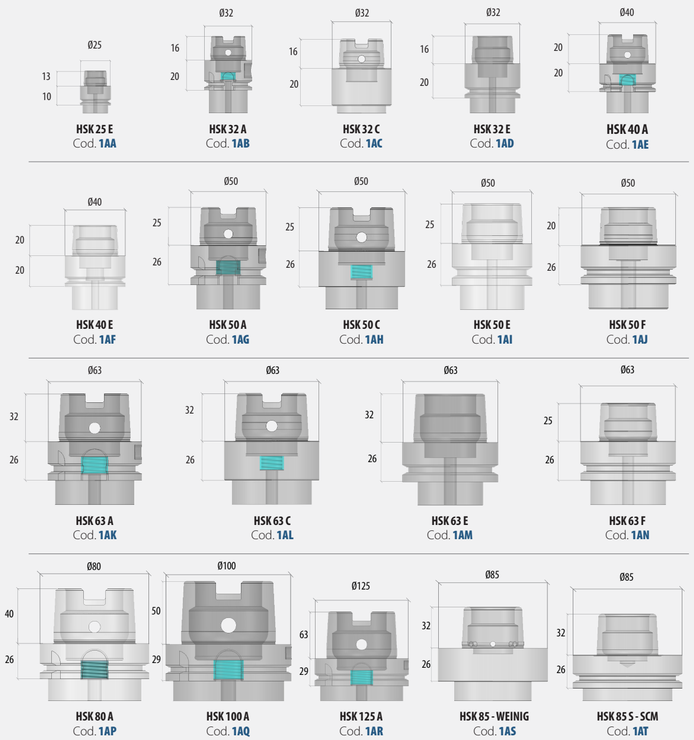
STEEL

HSK

Part codes for available HSK CONNECTIONS*

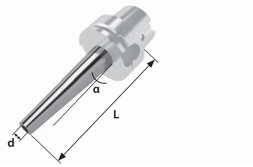
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

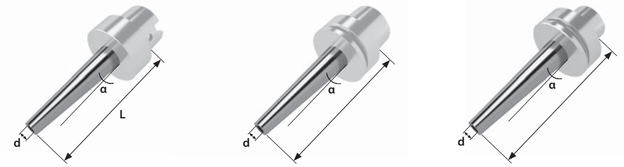


Shrink Fit Tool Holders - Slim version

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D012	shrink fit tool holder - slim version	14	120	3°	HSK 100 A	18.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 63 A-C-E-F	24.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 80 A	24.000
D013	shrink fit tool holder - slim version	16	120	3°	HSK 100 A	18.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 63 A-C-E-F	24.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 80 A	24.000
D014	shrink fit tool holder - slim version	18	120	3°	HSK 100 A	18.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 63 A-C-E-F	24.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 80 A	24.000
D015	shrink fit tool holder - slim version	20	120	3°	HSK 100 A	18.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 63 A-C-E-F	24.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 80 A	24.000
D016	shrink fit tool holder - slim version	25	120	3°	HSK 100 A	18.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 25 E	70.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 32 A-E	50.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 40 A-E	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 50 A-E-F	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 63 A-C-E-F	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 80 A	24.000
D017	shrink fit tool holder - slim version	1/4"	120	3°	HSK 100 A	18.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 50 A-C-E-F	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 63 A-C-E-F	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 80 A	24.000
D018	shrink fit tool holder - slim version	3/8"	120	3°	HSK 100 A	18.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 63 A-C-E-F	24.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 80 A	24.000
D019	shrink fit tool holder - slim version	1/2"	120	3°	HSK 100 A	18.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 63 A-C-E-F	24.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 80 A	24.000
D020	shrink fit tool holder - slim version	5/8"	120	3°	HSK 100 A	18.000



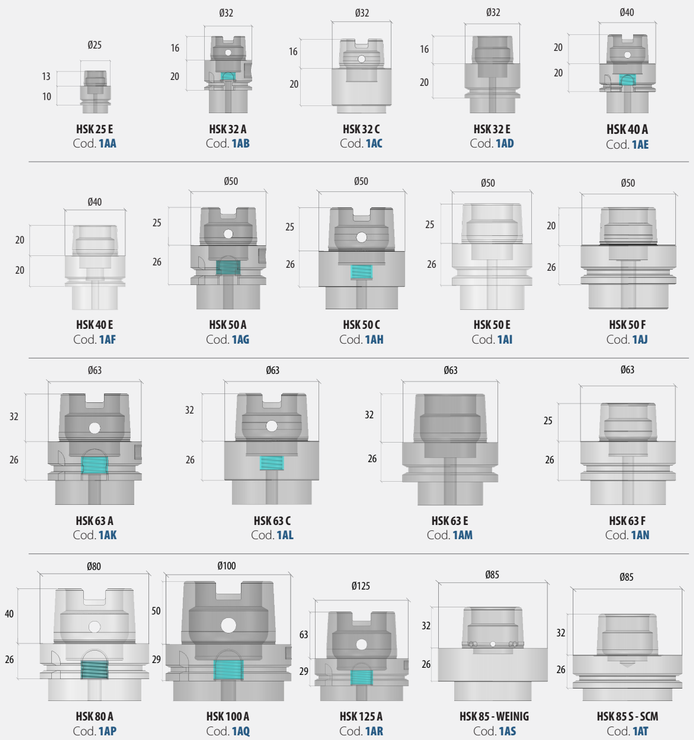
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 63 A-C-E-F	24.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 80 A	24.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 100 A	18.000
D021	shrink fit tool holder - slim version	3/4"	120	3°	HSK 125 A	18.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 63 A-C-E-F	24.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 80 A	24.000
D022	shrink fit tool holder - slim version	1"	120	3°	HSK 100 A	18.000
D023	shrink fit tool holder - slim version	3	160	3°	HSK 25 E	70.000
D023	shrink fit tool holder - slim version	3	160	3°	HSK 32 A-E	50.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 32 A-E	50.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 40 A-E	24.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 50 A-C-E-F	24.000
D024	shrink fit tool holder - slim version	4	160	3°	HSK 63 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 50 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 63 A-C-E-F	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 80 A	24.000
D025	shrink fit tool holder - slim version	6	160	3°	HSK 100 A	18.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 50 A-C-E-F	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 63 A-C-E-F	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 80 A	24.000
D026	shrink fit tool holder - slim version	8	160	3°	HSK 100 A	18.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 63 A-C-E-F	24.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 80 A	24.000
D027	shrink fit tool holder - slim version	10	160	3°	HSK 100 A	18.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 63 A-C-E-F	24.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 80 A	24.000
D028	shrink fit tool holder - slim version	12	160	3°	HSK 100 A	18.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 63 A-C-E-F	24.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 80 A	24.000
D029	shrink fit tool holder - slim version	14	160	3°	HSK 100 A	18.000

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

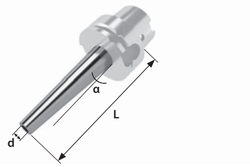


HSK

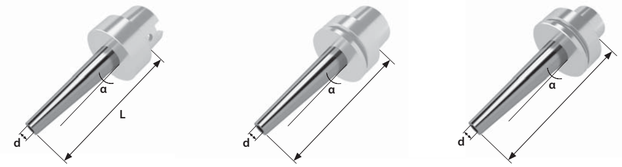
HSK TOOL HOLDERS **DIN 69893**

Shrink Fit Tool Holders - Slim version

page 163 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D030	shrink fit tool holder - slim version	16	160	3°	HSK 63 A-C-E-F	24.000
D030	shrink fit tool holder - slim version	16	160	3°	HSK 80 A	24.000
D030	shrink fit tool holder - slim version	16	160	3°	HSK 100 A	18.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 63 A-C-E-F	24.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 80 A	24.000
D031	shrink fit tool holder - slim version	18	160	3°	HSK 100 A	18.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 63 A-C-E-F	24.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 80 A	24.000
D032	shrink fit tool holder - slim version	20	160	3°	HSK 100 A	18.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 63 A-C-E-F	24.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 80 A	24.000
D033	shrink fit tool holder - slim version	25	160	3°	HSK 100 A	18.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 25 E	70.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 32 A-E	50.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 40 A-E	24.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 50 A-C-E-F	24.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 63 A-C-E-F	24.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 80 A	24.000
D034	shrink fit tool holder - slim version	1/4″	160	3°	HSK 100 A	18.000
D035	shrink fit tool holder - slim version	3/8″	160	3°	HSK 50 A-C-E-F	24.000
D035	shrink fit tool holder - slim version	3/8″	160	3°	HSK 63 A-C-E-F	24.000
D035	shrink fit tool holder - slim version	3/8″	160	3°	HSK 80 A	24.000
D035	shrink fit tool holder - slim version	3/8″	160	3°	HSK 100 A	18.000
D036	shrink fit tool holder - slim version	1/2″	160	3°	HSK 63 A-C-E-F	24.000
D036	shrink fit tool holder - slim version	1/2″	160	3°	HSK 80 A	24.000
D036	shrink fit tool holder - slim version	1/2″	160	3°	HSK 100 A	18.000
D037	shrink fit tool holder - slim version	5/8″	160	3°	HSK 63 A-C-E-F	24.000
D037	shrink fit tool holder - slim version	5/8″	160	3°	HSK 80 A	24.000
D037	shrink fit tool holder - slim version	5/8″	160	3°	HSK 100 A	18.000
D038	shrink fit tool holder - slim version	3/4″	160	3°	HSK 25 E	70.000



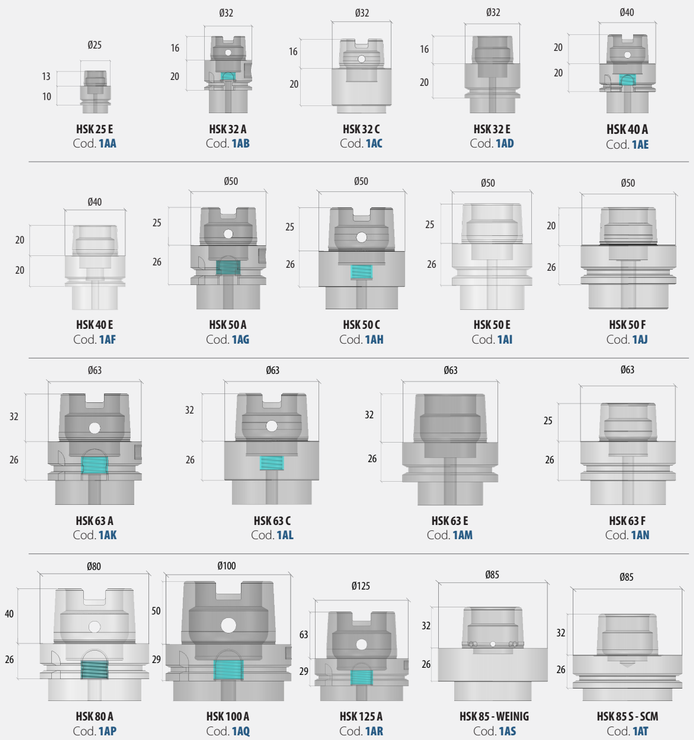
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
D038	shrink fit tool holder - slim version	3/4″	160	3°	HSK 63 A-C-E-F	24.000
D038	shrink fit tool holder - slim version	3/4″	160	3°	HSK 80 A	24.000
D038	shrink fit tool holder - slim version	3/4″	160	3°	HSK 100 A	18.000
D039	shrink fit tool holder - slim version	1″	160	3°	HSK 63 A-C-E-F	24.000
D039	shrink fit tool holder - slim version	1″	160	3°	HSK 80 A	24.000
D039	shrink fit tool holder - slim version	1″	160	3°	HSK 100 A	18.000

HSK

Part codes for available HSK CONNECTIONS*

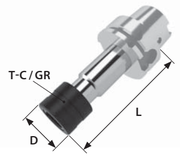
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Tap holders

Tap tools preferred clamping systems, for precise threading operations.



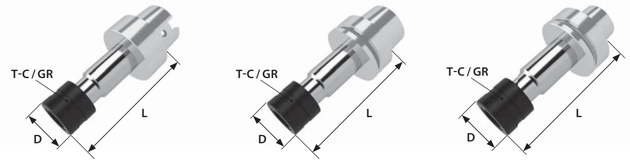
page 163 page 223

Part code	Description	D	L	T-C	GR	Connection	Balancing (RPM)
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 40 A-E	24.000
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 50 A-C-E	24.000
AX00	tap holder double compensation	32	90	7-5	GR1	HSK 63 A-C-E-F	24.000
AX02	tap holder double compensation	50	110	15-8	GR2	HSK 63 A-C-E-F	24.000
AX01	tap holder double compensation	32	110	7-5	GR1	HSK 80 A	24.000
AX02	tap holder double compensation	50	110	15-8	GR2	HSK 80 A	24.000
AX03	tap holder double compensation	72	120	25-10	GR3	HSK 80 A	24.000
AX02	tap holder double compensation	50	110	15-8	GR2	HSK 100 A	18.000
AX03	tap holder double compensation	72	120	25-10	GR3	HSK 100 A	18.000
AX04	tap holder double compensation	92	200	25-10	GR4	HSK 100 A	18.000

MANUFACTURING MATERIAL

STEEL

Tapping specs



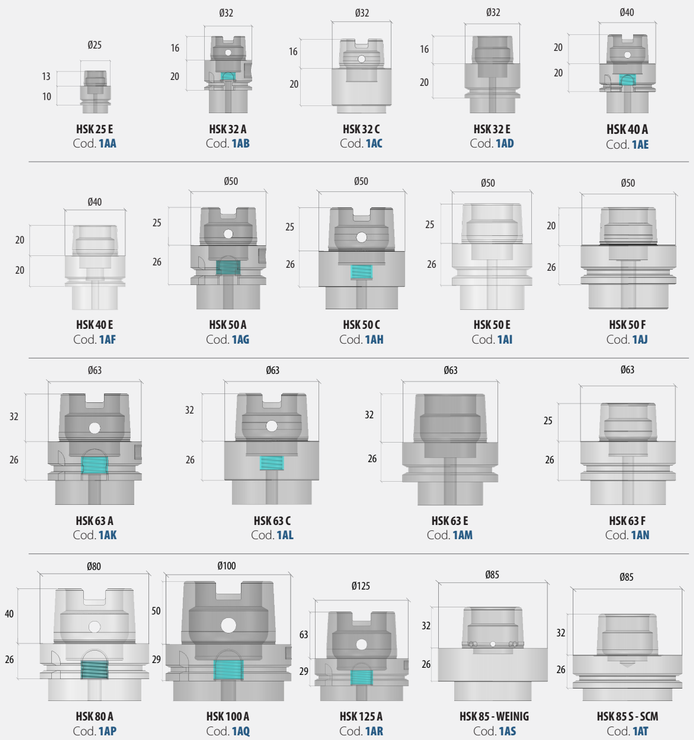
Tool Shaft	Standard DIN 352	Incr. DIN 371	Standard DIN 376	Standard ISO	Increased ISO	Tap Collet style
3.00 x 2.40	-	-	-	M 4.0	M 3.30	0
3.50 x 2.80	-	-	-	M 4.5	M 3.5	0 - 1
4.00 x 3.15	M 3.5	M 3.5	-	M 5.0	M 4.4	0 - 1
4.50 x 3.40	M 4.0	M 4.0	M 6.0	-	-	0 - 1
6.00 x 4.90	M 5.0	M 5.0	-	-	-	0 - 1 - 2
6.00 x 4.90	M 6.0	M 6.0	-	-	-	0 - 1 - 2
6.00 x 4.90	M 8.0	-	M 8.0	-	-	0 - 1 - 2
7.00 x 5.50	M 10.0	-	M 10.0	-	-	0 - 1 - 2
8.00 x 6.20	-	M 8.0	-	M 10.0	M 8.0	0 - 1 - 2
9.00 x 7.00	M 12.0	-	M 12.0	M 12.0	-	1 - 2
10.00 x 8.00	-	M 10.0	-	-	M 10.0	1 - 2
11.00 x 9.00	M 14.0	-	M 14.0	-	-	1 - 2 - 3
12.00 x 9.00	M 16.0	-	M 16.0	-	-	1 - 2 - 3
14.00 x 11.00	M 18.0	-	M 18.0	-	-	2 - 3
16.00 x 12.00	M 20.0	-	M 20.0	-	-	2 - 3
16.00 x 12.50	-	-	-	M 22.0	-	2 - 3
18.00 x 14.00	-	-	-	M 24.0	-	2 - 3
18.00 x 14.50	M 22.0	-	M 22.0	-	-	2 - 3
18.00 x 14.50	M 24.0	-	M 24.0	-	-	2 - 3
20.00 x 16.00	M 27.0	-	M 27.0	M 27.0	-	2 - 3
20.00 x 16.00	-	-	-	M 30.0	-	2 - 3
22.00 x 18.00	M 30.0	-	M 30.0	-	-	2 - 3
25.00 x 20.00	M 33.0	-	M 33.0	M 36.0	-	3
28.00 x 22.00	M 36.0	-	M 36.0	-	-	3
32.00 x 24.00	M 39.0	-	M 39.0	-	-	3
32.00 x 24.00	M 42.0	-	M 42.0	-	-	3
36.00 x 29.00	M 45.0	-	M 45.0	-	-	3
36.00 x 29.00	M 48.0	-	M 48.0	-	-	3

HSK

Part codes for available HSK CONNECTIONS*

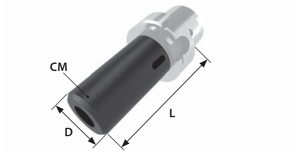
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



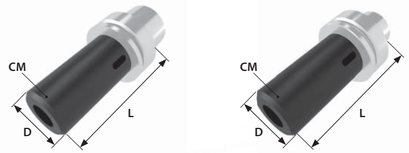
Morse Cone Reductions DIN 228

Reduction system for the use of bits and mills in lathes and machines equipped with morse cones.



page 163 page 223

Part code	Description	D	L	CM	Connection	Balancing (RPM)
AY00	morse cone reduction	35	110	1 P+F	HSK 40 A-E	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 40 A-E	24.000
AY02	morse cone reduction	35	90	1 P+F	HSK 50 A-F	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 63 A-E-F	24.000
AY01	morse cone reduction	35	110	2 P+F	HSK 50 A-F	24.000
AY03	morse cone reduction	42	140	3 P+F	HSK 80 A	24.000
AY03	morse cone reduction	42	140	3 P+F	HSK 100 A	18.000
AY04	morse cone reduction	42	160	3 P+F	HSK 63 A-E-F	24.000
AY05	morse cone reduction	52	160	4 P+F	HSK 80 A	24.000
AY05	morse cone reduction	52	160	4 P+F	HSK 100 A	18.000
AY06	morse cone reduction	70	200	5 P+F	HSK 100 A	18.000
AY06	morse cone reduction	70	200	5 P+F	HSK 125 A	18.000



● MANUFACTURING MATERIAL

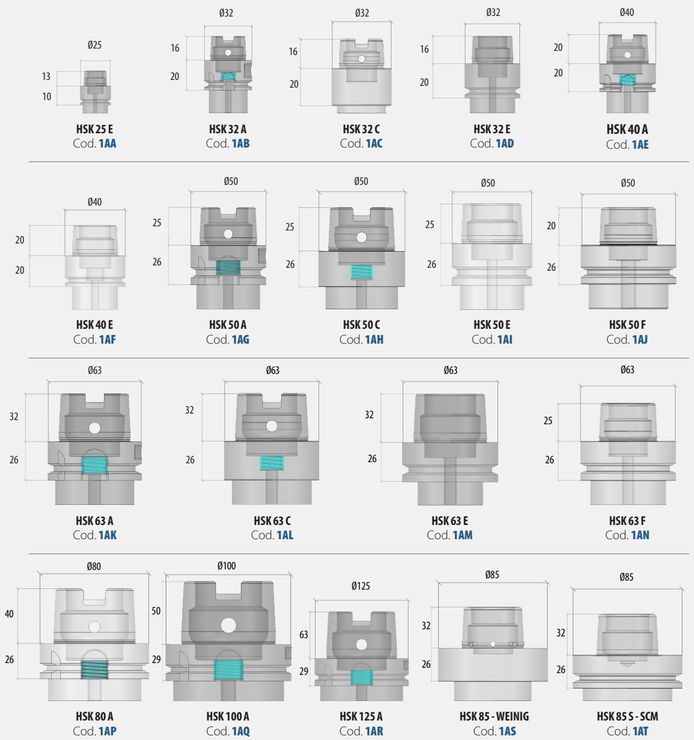
STEEL

HSK

Part codes for available HSK CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

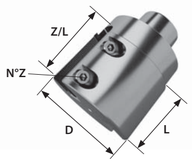
*See page 69 for the complete list of DIN manufacturing rules.



HSK HSK TOOL HOLDERS

Knives Arbors for "Weinig"

Two or four knives holding system for grinding of soft materials.



page 163 page 223

Part code	Description	D	N°Z	L	Z/L	M	Connection	Balancing (RPM)
AW00	knives arbor for "Weinig"	90	2	100	8 x 90	M8	HSK 85 W	24.000
AW01	knives arbor for "Weinig"	90	2	150	8 x 140	M8	HSK 85 W	24.000
AW02	knives arbor for "Weinig"	90	4	150	8 x 140	M8	HSK 85 W	24.000
AW03	knives arbor for "Weinig"	90	4	200	8 x 180	M8	HSK 85 W	24.000

MANUFACTURING MATERIAL

STEEL

Manufacturing International Standards

Summary of manufacturing standards observed for the production of the tool holders included in this catalogue.

MACHINE CONNECTION STANDARDS

Machine connection	Standards
HSK	DIN 69893 (style A C E F)
SK	DIN 69871/A • DIN 69871/A/B • DIN 69871
SK dual contact	ISO 7388.1 • DIN 69871
BT	MAS 403/A • MAS/BT 403 (style A/B)
BT dual contact	MAS/BT 403
CAT	B 5.50

TOOL HOLDING STANDARDS

Tool holding system	Standards
ER Collet Chucks	DIN 6499 • DIN 15488
EOC Collet Chucks	DIN 6388
End Mill Holders	DIN 1835/B
Face Mill Holders	DIN 6357
Morse Cone Reductions	DIN 228
Collet Chucks Extensions	DIN 1835/A

PULL STUDS STANDARDS

DIN 69872/B • DIN 7388/A • DIN 7388/B • ANSI • MAS 403 BT • JIS - B - 6339

MACHINE CONNECTION STANDARDS NOT INCLUDED IN THIS CATALOGUE BUT AVAILABLE UPON REQUEST

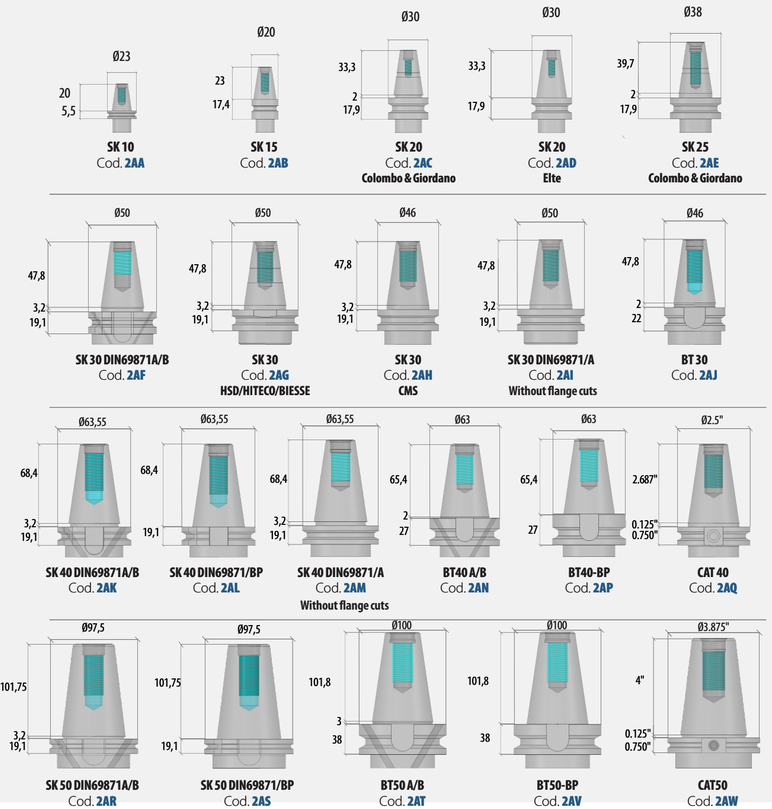
DIN 2080 • HSK DIN 69893 B/D/R/T • VDI 2814

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

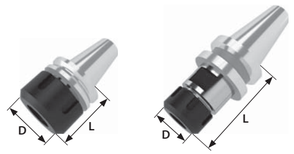
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



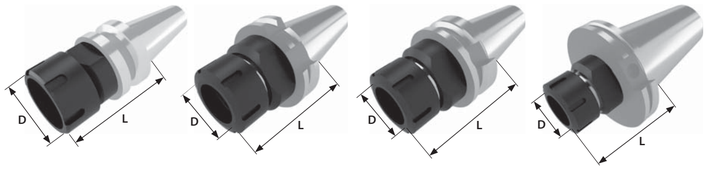
Collet chucks RH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



page 182 page 200 page 161 page 223

Part code	Description	ER	D	L	Connection	Balancing (RPM)
KA00	collet chuck with mini nut RH	ER 8	12	20	SK 10	70.000
KA01	collet chuck with hex nut RH	ER 11	EX17	20,3	SK 10	70.000
KA02	collet chuck with hex nut RH	ER 11	EX17	41,5	SK 15	15.000
KA03	collet chuck with mini nut RH	ER 11	16	46	SK 20 "C&G"	50.000
KA03	collet chuck with mini nut RH	ER 11	16	46	SK 20 "ELTE"	50.000
KA04	collet chuck with mini nut RH	ER 16	22	30	SK 10	70.000
KA05	collet chuck with mini nut RH	ER 16	22	55	SK 15	15.000
KA06	collet chuck with mini nut RH	ER 16	22	50	SK 20 "C&G"	50.000
KA06	collet chuck with mini nut RH	ER 16	22	50	SK 20 "ELTE"	50.000
KA07	collet chuck with mini nut RH	ER 16	22	46	SK 30 "CMS"	15.000
KA08	collet chuck with mini nut RH	ER 16	22	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KA09	collet chuck with mini nut RH	ER 16	22	70	SK 40 DIN 69871A/B	15.000
KA09	collet chuck with mini nut RH	ER 16	22	70	SK 40 DIN 69871/BP	15.000
KA09	collet chuck with mini nut RH	ER 16	22	70	BT 40A/B	15.000
KA09	collet chuck with mini nut RH	ER 16	22	70	BT 40/BP	15.000
KA10	collet chuck with nut RH	ER 16	32	100	SK 40 DIN 69871A/B	15.000
KA10	collet chuck with nut RH	ER 16	32	100	BT 40A/B	15.000
KA10	collet chuck with nut RH	ER 16	32	100	SK 50 DIN 69871A/B	15.000
KA10	collet chuck with nut RH	ER 16	32	100	BT 50A/B	15.000
KA11	collet chuck with nut RH	ER 16	1.25"	4"	CAT 40	15.000
KA11	collet chuck with nut RH	ER 16	1.25"	4"	CAT 50	15.000
KA12	collet chuck with mini nut RH	ER 20	28	55	SK 20 "C&G"	50.000
KA13	collet chuck with mini nut RH	ER 20	28	51	SK 20 "ELTE"	50.000
KA14	collet chuck with mini nut RH	ER 20	28	48	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KA15	collet chuck with mini nut RH	ER 20	28	70	SK 30 DIN 69871A/B	15.000
KA15	collet chuck with mini nut RH	ER 20	28	70	SK 40 DIN 69871A/B	15.000
KA15	collet chuck with mini nut RH	ER 20	28	70	SK 40 DIN 69871/BP	15.000
KA15	collet chuck with mini nut RH	ER 20	28	70	BT 40A/B	15.000
KA15	collet chuck with mini nut RH	ER 20	28	70	BT 40/BP	15.000
KA16	collet chuck with nut RH	ER 20	35	70	SK 40 DIN 69871A/B	15.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
KA16	collet chuck with nut RH	ER 20	35	70	BT 40A/B	15.000
KA17	collet chuck with nut RH	ER 20	1.34"	4"	CAT 40	15.000
KA17	collet chuck with nut RH	ER 20	1.34"	4"	CAT 50	15.000
KA18	collet chuck with nut RH	ER 25	42	54,5	SK 25 "C&G"	50.000
KA19	collet chuck with mini nut RH	ER 25	35	70	SK 30 DIN 69871A/B	15.000
KA20	collet chuck with mini nut RH	ER 25	35	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KA21	collet chuck with nut RH	ER 25	42	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KA22	collet chuck with nut RH	ER 25	42	70	SK 40 DIN 69871A/B	15.000
KA22	collet chuck with nut RH	ER 25	42	70	SK 40 DIN 69871/BP	15.000
KA22	collet chuck with nut RH	ER 25	42	70	BT 40A/B	15.000
KA22	collet chuck with nut RH	ER 25	42	70	BT 40/BP	15.000
KA22	collet chuck with nut RH	ER 25	42	70	SK 50 DIN 69871A/B	15.000
KA22	collet chuck with nut RH	ER 25	42	70	SK 50 DIN 69871/BP	15.000
KA22	collet chuck with nut RH	ER 25	42	70	BT 50A/B	15.000
KA22	collet chuck with nut RH	ER 25	42	70	BT 50/BP	15.000
KA23	collet chuck with nut RH	ER 25	1.65"	4"	CAT 40	15.000
KA23	collet chuck with nut RH	ER 25	1.65"	4"	CAT 50	15.000
KA24	collet chuck with nut RH	ER 32	50	70	SK 30 DIN 69871A/B	15.000
KA24	collet chuck with nut RH	ER 32	50	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KA25	collet chuck with nut RH	ER 32	50	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KA26	collet chuck with nut RH	ER 32	50	52,5	SK 30 "CMS"	15.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. M1

● OPTIONAL FINISHES*

DARKSIDE
Cod. Z1

ENDURANCE
Cod. Z2

NICKEL
Cod. Z3

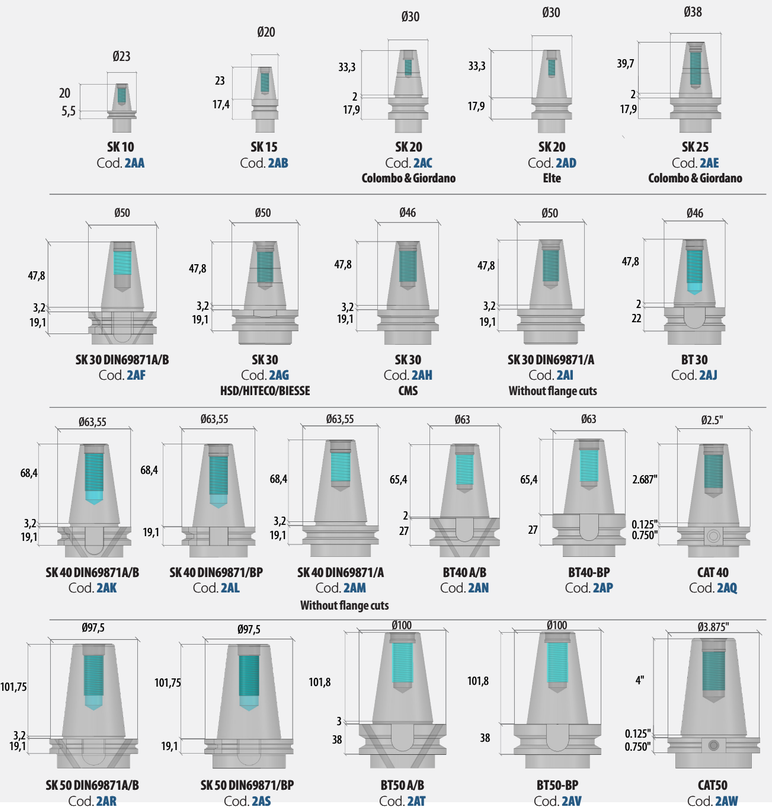
*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

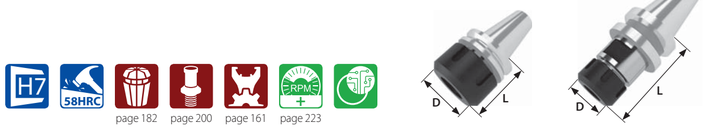
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

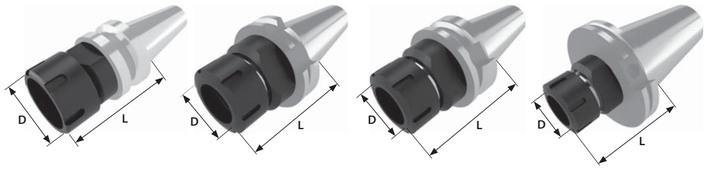
*See page 69 for the complete list of DIN manufacturing rules.



Collet chucks RH with collet nut for ER collet DIN 6499/DIN 15488



Part code	Description	ER	D	L	Connection	Balancing (RPM)
KA27	collet chuck with nut RH	ER 32	50	70	SK 40 DIN 69871A/B	15.000
KA27	collet chuck with nut RH	ER 32	50	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KA27	collet chuck with nut RH	ER 32	50	70	SK 40 DIN 69871/BP	15.000
KA27	collet chuck with nut RH	ER 32	50	70	BT 40A/B	15.000
KA27	collet chuck with nut RH	ER 32	50	70	BT 40/BP	15.000
KA27	collet chuck with nut RH	ER 32	50	70	SK 50 DIN 69871A/B	15.000
KA27	collet chuck with nut RH	ER 32	50	70	SK 50 DIN 69871/BP	15.000
KA27	collet chuck with nut RH	ER 32	50	70	BT 50A/B	15.000
KA27	collet chuck with nut RH	ER 32	50	70	BT 50/BP	15.000
KA28	collet chuck with nut RH	ER 32	50	100	SK 40 DIN 69871A/B	15.000
KA28	collet chuck with nut RH	ER 32	50	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KA28	collet chuck with nut RH	ER 32	50	100	BT 40A/B	15.000
KA28	collet chuck with nut RH	ER 32	50	100	SK 50 DIN 69871A/B	15.000
KA28	collet chuck with nut RH	ER 32	50	100	BT 50A/B	15.000
KA29	collet chuck with nut RH	ER 32	1.97"	4"	CAT 40	15.000
KA29	collet chuck with nut RH	ER 32	1.97"	4"	CAT 50	15.000
KA30	collet chuck with nut RH	ER 40	63	70	SK 30 DIN 69871A/B	15.000
KA30	collet chuck with nut RH	ER 40	63	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KA31	collet chuck with nut RH	ER 40	63	58,5	SK 30 HSD/HITECO	15.000
KA32	collet chuck with nut RH	ER 40	63	70	SK 40 DIN 69871A/B	15.000
KA32	collet chuck with nut RH	ER 40	63	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KA32	collet chuck with nut RH	ER 40	63	70	SK 40 DIN 69871/BP	15.000
KA32	collet chuck with nut RH	ER 40	63	70	BT 40A/B	15.000
KA32	collet chuck with nut RH	ER 40	63	70	BT 40/BP	15.000
KA32	collet chuck with nut RH	ER 40	63	70	SK 50 DIN 69871A/B	15.000
KA32	collet chuck with nut RH	ER 40	63	70	SK 50 DIN 69871/BP	15.000
KA32	collet chuck with nut RH	ER 40	63	70	BT 50A/B	15.000
KA32	collet chuck with nut RH	ER 40	63	70	BT 50/BP	15.000
KA33	collet chuck with nut RH	ER 40	63	100	SK 40 DIN 69871A/B	15.000
KA33	collet chuck with nut RH	ER 40	63	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000



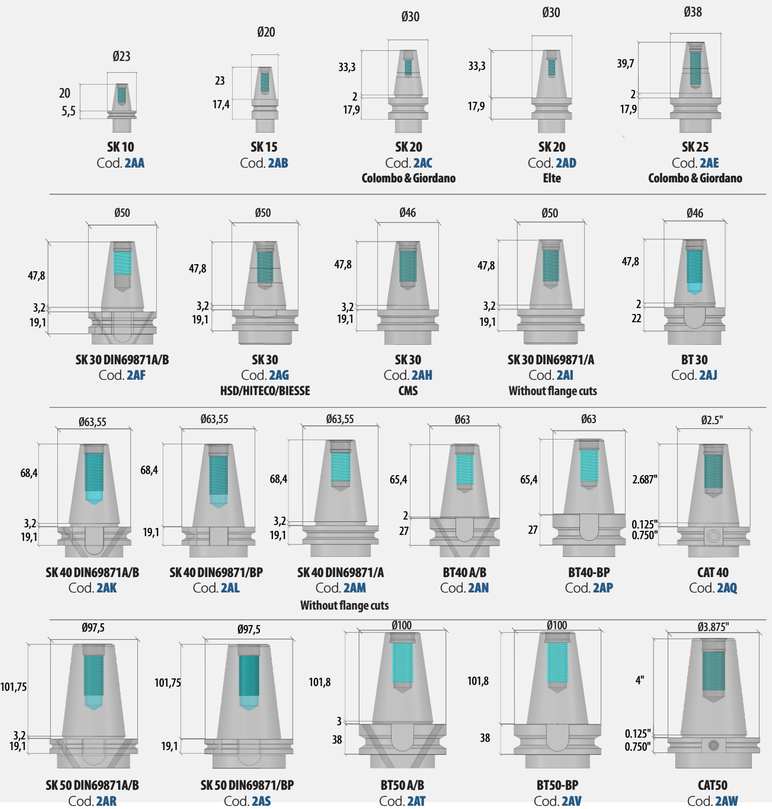
Part code	Description	ER	D	L	Connection	Balancing (RPM)
KA33	collet chuck with nut RH	ER 40	63	100	BT 40A/B	15.000
KA33	collet chuck with nut RH	ER 40	63	100	SK 50 DIN 69871A/B	15.000
KA33	collet chuck with nut RH	ER 40	63	100	BT 50A/B	15.000
KA34	collet chuck with nut RH	ER 40	2.48"	4"	CAT 40	15.000
KA34	collet chuck with nut RH	ER 40	2.48"	4"	CAT 50	15.000
KA35	collet chuck with nut RH	ER 50	78	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KA35	collet chuck with nut RH	ER 50	78	100	BT 40A/B	15.000
KA35	collet chuck with nut RH	ER 50	78	100	SK 50 DIN 69871A/B	15.000
KA35	collet chuck with nut RH	ER 50	78	100	BT 50A/B	15.000
KA36	collet chuck with nut RH	ER 50	3.07"	4"	CAT 40	15.000
KA36	collet chuck with nut RH	ER 50	3.07"	4"	CAT 50	15.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

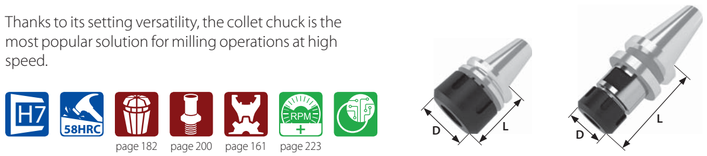
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



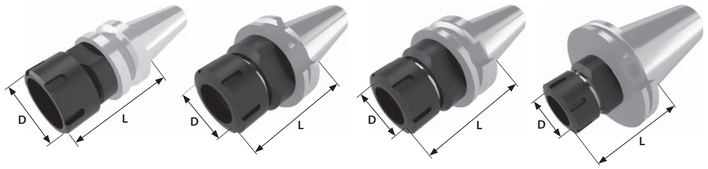
Collet chucks LH with collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



page 182 page 200 page 161 page 223

Part code	Description	ER	D	L	Connection	Balancing (RPM)
KB00	collet chuck with mini nut LH	ER 8	12	20	SK 10	70.000
KB01	collet chuck with hex nut LH	ER 11	EX17	20,3	SK 10	70.000
KB02	collet chuck with hex nut LH	ER 11	EX17	41,5	SK 15	15.000
KB03	collet chuck with mini nut LH	ER 11	16	46	SK 20 "C&G"	50.000
KB03	collet chuck with mini nut LH	ER 11	16	46	SK 20 "ELTE"	50.000
KB04	collet chuck with mini nut LH	ER 16	22	30	SK 10	70.000
KB05	collet chuck with mini nut LH	ER 16	22	55	SK 15	15.000
KB06	collet chuck with mini nut LH	ER 16	22	50	SK 20 "C&G"	50.000
KB06	collet chuck with mini nut LH	ER 16	22	50	SK 20 "ELTE"	50.000
KB07	collet chuck with mini nut LH	ER 16	22	46	SK 30 "CMS"	15.000
KB08	collet chuck with mini nut LH	ER 16	22	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KB09	collet chuck with mini nut LH	ER 16	22	70	SK 40 DIN 69871A/B	15.000
KB09	collet chuck with mini nut LH	ER 16	22	70	SK 40 DIN 69871/BP	15.000
KB09	collet chuck with mini nut LH	ER 16	22	70	BT 40A/B	15.000
KB09	collet chuck with mini nut LH	ER 16	22	70	BT 40/BP	15.000
KB10	collet chuck with nut LH	ER 16	32	100	SK 40 DIN 69871A/B	15.000
KB10	collet chuck with nut LH	ER 16	32	100	BT 40A/B	15.000
KB10	collet chuck with nut LH	ER 16	32	100	SK 50 DIN 69871A/B	15.000
KB10	collet chuck with nut LH	ER 16	32	100	BT 50A/B	15.000
KB11	collet chuck with nut LH	ER 16	1.25"	4"	CAT 40	15.000
KB11	collet chuck with nut LH	ER 16	1.25"	4"	CAT 50	15.000
KB12	collet chuck with mini nut LH	ER 20	28	55	SK 20 "C&G"	50.000
KB13	collet chuck with mini nut LH	ER 20	28	51	SK 20 "ELTE"	50.000
KB14	collet chuck with mini nut LH	ER 20	28	48	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KB15	collet chuck with mini nut LH	ER 20	28	70	SK 30 DIN 69871A/B	15.000
KB15	collet chuck with mini nut LH	ER 20	28	70	SK 40 DIN 69871A/B	15.000
KB15	collet chuck with mini nut LH	ER 20	28	70	SK 40 DIN 69871/BP	15.000
KB15	collet chuck with mini nut LH	ER 20	28	70	BT 40A/B	15.000
KB15	collet chuck with mini nut LH	ER 20	28	70	BT 40/BP	15.000
KB16	collet chuck with nut LH	ER 20	35	70	SK 40 DIN 69871A/B	15.000



Part code	Description	ER	D	L	Connection	Balancing (RPM)
KB16	collet chuck with nut LH	ER 20	35	70	BT 40A/B	15.000
KB17	collet chuck with nut LH	ER 20	1.34"	4"	CAT 40	15.000
KB17	collet chuck with nut LH	ER 20	1.34"	4"	CAT 50	15.000
KB18	collet chuck with nut LH	ER 25	42	54,5	SK 25 "C&G"	50.000
KB19	collet chuck with mini nut LH	ER 25	35	70	SK 30 DIN 69871A/B	15.000
KB20	collet chuck with mini nut LH	ER 25	35	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KB21	collet chuck with nut LH	ER 25	42	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KB22	collet chuck with nut LH	ER 25	42	70	SK 40 DIN 69871A/B	15.000
KB22	collet chuck with nut LH	ER 25	42	70	SK 40 DIN 69871/BP	15.000
KB22	collet chuck with nut LH	ER 25	42	70	BT 40A/B	15.000
KB22	collet chuck with nut LH	ER 25	42	70	BT 40/BP	15.000
KB22	collet chuck with nut LH	ER 25	42	70	SK 50 DIN 69871A/B	15.000
KB22	collet chuck with nut LH	ER 25	42	70	SK 50 DIN 69871/BP	15.000
KB22	collet chuck with nut LH	ER 25	42	70	BT 50A/B	15.000
KB22	collet chuck with nut LH	ER 25	42	70	BT 50/BP	15.000
KB23	collet chuck with nut LH	ER 25	1.65"	4"	CAT 40	15.000
KB23	collet chuck with nut LH	ER 25	1.65"	4"	CAT 50	15.000
KB24	collet chuck with nut LH	ER 32	50	70	SK 30 DIN 69871A/B	15.000
KB24	collet chuck with nut LH	ER 32	50	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KB25	collet chuck with nut LH	ER 32	50	48,5	SK 30 "HSD"/"HITECO"/"BIESSE"	15.000
KB26	collet chuck with nut LH	ER 32	50	52,5	SK 30 "CMS"	15.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. M1

● OPTIONAL FINISHES*

DARKSIDE
Cod. Z1

ENDURANCE
Cod. Z2

NICKEL
Cod. Z3

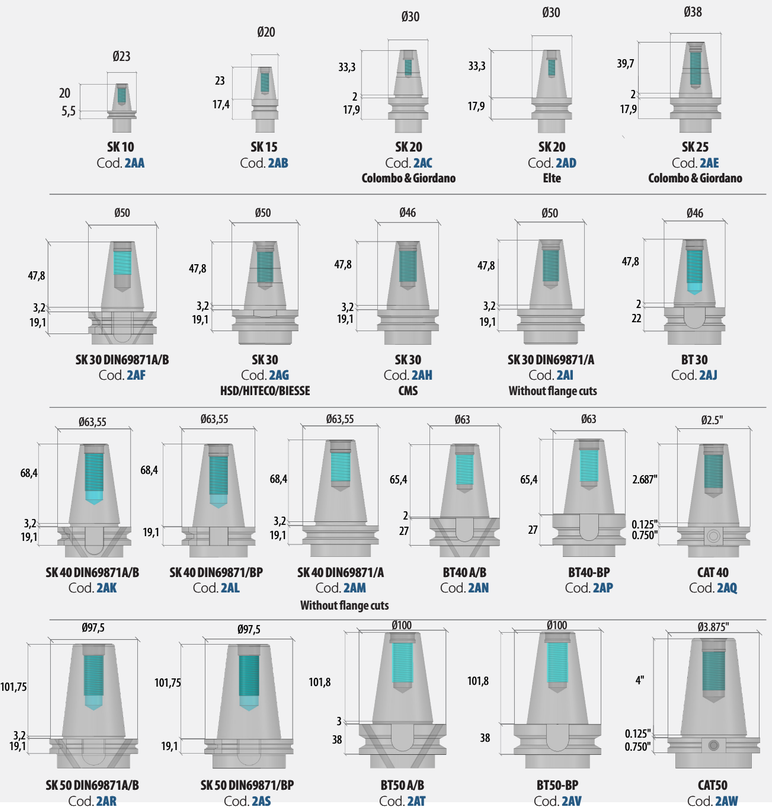
*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

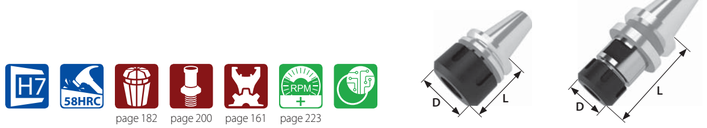
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

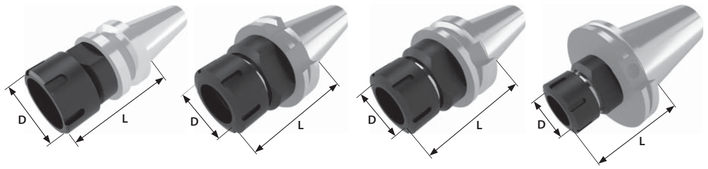
*See page 69 for the complete list of DIN manufacturing rules.



Collet chucks LH with collet nut for ER collet DIN 6499/DIN 15488



Part code	Description	ER	D	L	Connection	Balancing (RPM)
KB27	collet chuck with nut LH	ER 32	50	70	SK 40 DIN 69871A/B	15.000
KB27	collet chuck with nut LH	ER 32	50	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KB27	collet chuck with nut LH	ER 32	50	70	SK 40 DIN 69871/BP	15.000
KB27	collet chuck with nut LH	ER 32	50	70	BT 40A/B	15.000
KB27	collet chuck with nut LH	ER 32	50	70	BT 40/BP	15.000
KB27	collet chuck with nut LH	ER 32	50	70	SK 50 DIN 69871A/B	15.000
KB27	collet chuck with nut LH	ER 32	50	70	SK 50 DIN 69871/BP	15.000
KB27	collet chuck with nut LH	ER 32	50	70	BT 50A/B	15.000
KB27	collet chuck with nut LH	ER 32	50	70	BT 50/BP	15.000
KB28	collet chuck with nut LH	ER 32	50	100	SK 40 DIN 69871A/B	15.000
KB28	collet chuck with nut LH	ER 32	50	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KB28	collet chuck with nut LH	ER 32	50	100	BT 40A/B	15.000
KB28	collet chuck with nut LH	ER 32	50	100	SK 50 DIN 69871A/B	15.000
KB28	collet chuck with nut LH	ER 32	50	100	BT 50A/B	15.000
KB29	collet chuck with nut LH	ER 32	1.97"	4"	CAT 40	15.000
KB29	collet chuck with nut LH	ER 32	1.97"	4"	CAT 50	15.000
KB30	collet chuck with nut LH	ER 40	63	70	SK 30 DIN 69871A/B	15.000
KB30	collet chuck with nut LH	ER 40	63	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KB31	collet chuck with nut LH	ER 40	63	58,5	SK 30 HSD/HITECO	15.000
KB32	collet chuck with nut LH	ER 40	63	70	SK 40 DIN 69871A/B	15.000
KB32	collet chuck with nut LH	ER 40	63	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KB32	collet chuck with nut LH	ER 40	63	70	SK 40 DIN 69871/BP	15.000
KB32	collet chuck with nut LH	ER 40	63	70	BT 40A/B	15.000
KB32	collet chuck with nut LH	ER 40	63	70	BT 40/BP	15.000
KB32	collet chuck with nut LH	ER 40	63	70	SK 50 DIN 69871A/B	15.000
KB32	collet chuck with nut LH	ER 40	63	70	SK 50 DIN 69871/BP	15.000
KB32	collet chuck with nut LH	ER 40	63	70	BT 50A/B	15.000
KB32	collet chuck with nut LH	ER 40	63	70	BT 50/BP	15.000
KB33	collet chuck with nut LH	ER 40	63	100	SK 40 DIN 69871A/B	15.000
KB33	collet chuck with nut LH	ER 40	63	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000



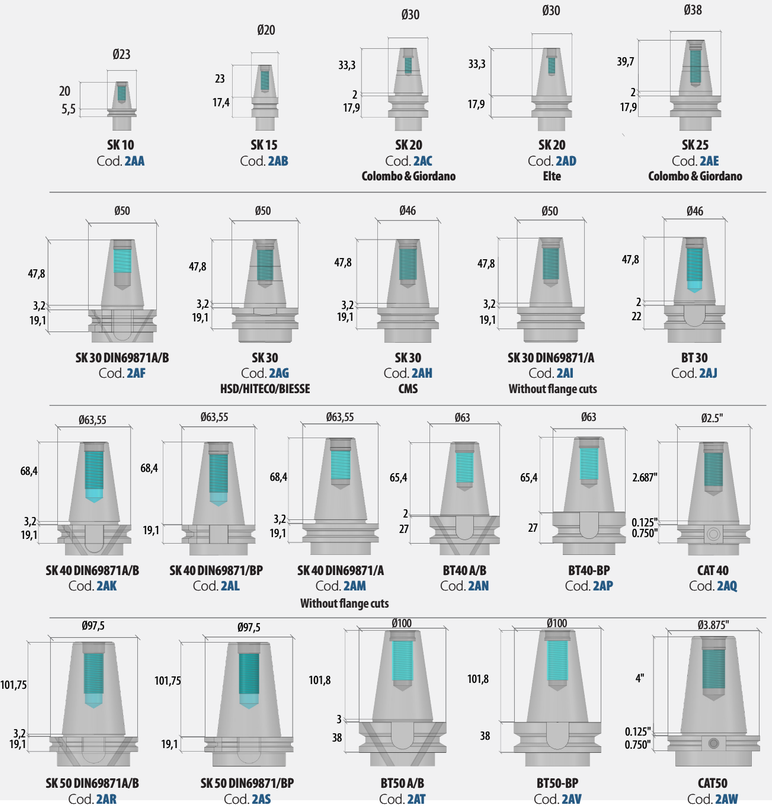
Part code	Description	ER	D	L	Connection	Balancing (RPM)
KB33	collet chuck with nut LH	ER 40	63	100	BT 40A/B	15.000
KB33	collet chuck with nut LH	ER 40	63	100	SK 50 DIN 69871A/B	15.000
KB33	collet chuck with nut LH	ER 40	63	100	BT 50A/B	15.000
KB34	collet chuck with nut LH	ER 40	2.48"	4"	CAT 40	15.000
KB34	collet chuck with nut LH	ER 40	2.48"	4"	CAT 50	15.000
KB35	collet chuck with nut LH	ER 50	78	100	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KB35	collet chuck with nut LH	ER 50	78	100	BT 40A/B	15.000
KB35	collet chuck with nut LH	ER 50	78	100	SK 50 DIN 69871A/B	15.000
KB35	collet chuck with nut LH	ER 50	78	100	BT 50A/B	15.000
KB36	collet chuck with nut LH	ER 50	3.07"	4"	CAT 40	15.000
KB36	collet chuck with nut LH	ER 50	3.07"	4"	CAT 50	15.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

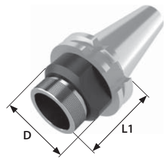
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

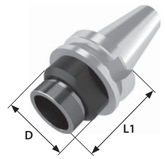


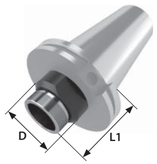
Collet chucks RH without collet nut for ER collet DIN 6499/DIN 15488

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KC00	collet chuck without mini nut RH	ER 8	12	15	SK 10	70.000
KC01	collet chuck without hex nut RH	ER 11	EX17	13,8	SK 10	70.000
KC02	collet chuck without hex nut RH	ER 11	EX17	35,2	SK 15	24.000
KC03	collet chuck without mini nut RH	ER 11	16	39,7	SK 20 "C&G"	50.000
KC03	collet chuck without mini nut RH	ER 11	16	39,7	SK 20 "ELTE"	50.000
KC04	collet chuck without mini nut RH	ER 16	22	19,8	SK 10	70.000
KC05	collet chuck without mini nut RH	ER 16	22	44,8	SK 15	24.000
KC06	collet chuck without mini nut RH	ER 16	22	40,9	SK 20 "C&G"	50.000
KC06	collet chuck without mini nut RH	ER 16	22	40,9	SK 20 "ELTE"	50.000
KC07	collet chuck without mini nut RH	ER 16	22	35,8	SK 30 "CMS"	24.000
KC08	collet chuck without mini nut RH	ER 16	22	37,3	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KC09	collet chuck without mini nut RH	ER 16	22	59,8	SK 40 DIN 69871A/B	24.000
KC09	collet chuck without mini nut RH	ER 16	22	59,8	SK 40 DIN 69871/BP	24.000
KC09	collet chuck without mini nut RH	ER 16	22	59,8	BT 40A/B	24.000
KC09	collet chuck without mini nut RH	ER 16	22	59,8	BT 40/BP	24.000
KC10	collet chuck without nut RH	ER 16	32	89,8	SK 40 DIN 69871A/B	24.000
KC10	collet chuck without nut RH	ER 16	32	89,8	BT 40A/B	24.000
KC10	collet chuck without nut RH	ER 16	32	89,8	SK 50 DIN 69871A/B	24.000
KC10	collet chuck without nut RH	ER 16	32	89,9	BT 50A/B	24.000
KC11	collet chuck without nut RH	ER 16	1.25"	3.59"	CAT 40	24.000
KC11	collet chuck without nut RH	ER 16	1.25"	3.59"	CAT 50	24.000
KC12	collet chuck without mini nut RH	ER 20	28	44	SK 20 "C&G"	24.000
KC13	collet chuck without mini nut RH	ER 20	28	40	SK 20 "ELTE"	24.000
KC14	collet chuck without mini nut RH	ER 20	28	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KC15	collet chuck without mini nut RH	ER 20	28	59	SK 30 DIN 69871A/B	24.000
KC15	collet chuck without mini nut RH	ER 20	28	59	SK 40 DIN 69871A/B	24.000
KC15	collet chuck without mini nut RH	ER 20	28	59	SK 40 DIN 69871/BP	24.000
KC15	collet chuck without mini nut RH	ER 20	28	59	BT 40A/B	24.000
KC15	collet chuck without mini nut RH	ER 20	28	59	BT 40/BP	24.000
KC16	collet chuck without nut RH	ER 20	35	59	SK 40 DIN 69871A/B	24.000





Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KC16	collet chuck without nut RH	ER 20	35	59	BT 40A/B	24.000
KC17	collet chuck without nut RH	ER 20	1.34"	3.56"	CAT 40	24.000
KC17	collet chuck without nut RH	ER 20	1.34"	3.56"	CAT 50	24.000
KC18	collet chuck without nut RH	ER 25	42	53	SK 25 "C&G"	50.000
KC19	collet chuck without mini nut RH	ER 25	35	58,5	SK 30 DIN 69871A/B	24.000
KC20	collet chuck without mini nut RH	ER 25	35	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KC21	collet chuck without nut RH	ER 25	42	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	SK 40 DIN 69871A/B	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	SK 40 DIN 69871/BP	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	BT 40A/B	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	BT 40/BP	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	SK 50 DIN 69871A/B	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	SK 50 DIN 69871/BP	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	BT 50A/B	24.000
KC22	collet chuck without nut RH	ER 25	42	58,5	BT 50/BP	24.000
KC23	collet chuck without nut RH	ER 25	1.65"	3.54"	CAT 40	24.000
KC23	collet chuck without nut RH	ER 25	1.65"	3.54"	CAT 50	24.000
KC24	collet chuck without nut RH	ER 32	50	57,5	SK 30 DIN 69871A/B	24.000
KC24	collet chuck without nut RH	ER 32	50	57,5	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KC25	collet chuck without nut RH	ER 32	50	36	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KC26	collet chuck without nut RH	ER 32	50	40	SK 30 "CMS"	24.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. M1

● OPTIONAL FINISHES*

DARKSIDE
Cod. Z1

ENDURANCE
Cod. Z2

NICKEL
Cod. Z3

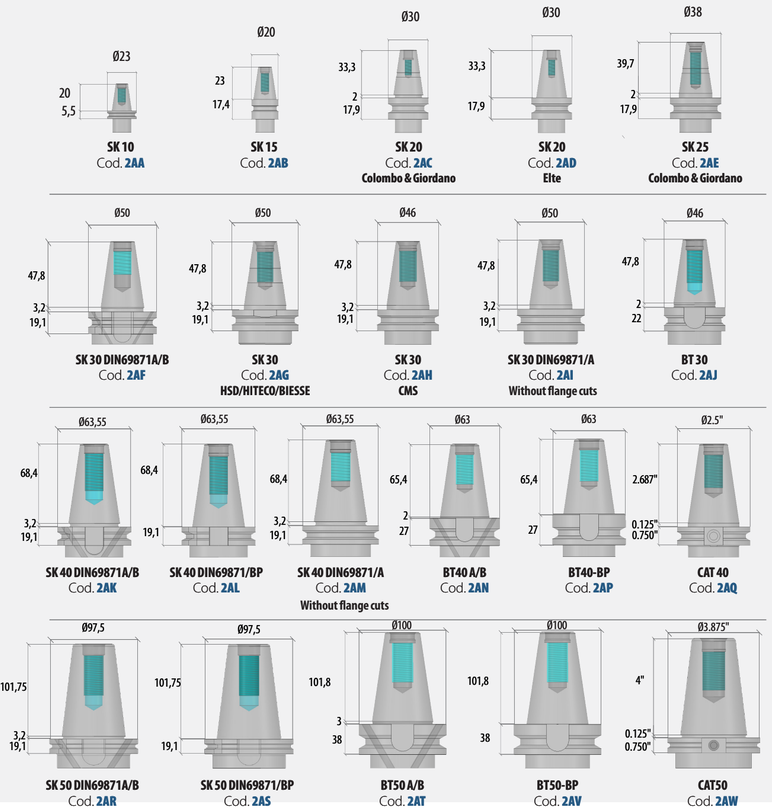
*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

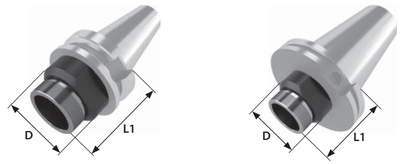
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Collet chucks RH without collet nut for ER collet DIN 6499/DIN 15488

Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KC27	collet chuck without nut RH	ER 32	50	57,5	SK 40 DIN 69871A/B	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	SK 40 DIN 69871/BP	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	BT 40A/B	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	BT 40/BP	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	SK 50 DIN 69871A/B	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	SK 50 DIN 69871/BP	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	BT 50A/B	24.000
KC27	collet chuck without nut RH	ER 32	50	57,5	BT 50/BP	24.000
KC28	collet chuck without nut RH	ER 32	50	87,5	SK 40 DIN 69871A/B	24.000
KC28	collet chuck without nut RH	ER 32	50	87,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KC28	collet chuck without nut RH	ER 32	50	87,5	BT 40A/B	24.000
KC28	collet chuck without nut RH	ER 32	50	87,5	SK 50 DIN 69871A/B	24.000
KC28	collet chuck without nut RH	ER 32	50	87,5	BT 50A/B	24.000
KC29	collet chuck without nut RH	ER 32	1.97"	3.5"	CAT 40	24.000
KC29	collet chuck without nut RH	ER 32	1.97"	3.5"	CAT 50	24.000
KC30	collet chuck without nut RH	ER 40	50	55,5	SK 30 DIN 69871A/B	24.000
KC30	collet chuck without nut RH	ER 40	50	55,5	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KC31	collet chuck without nut RH	ER 40	50	44	SK 30 HSD/HITECO	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	SK 40 DIN 69871A/B	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	SK 40 DIN 69871/BP	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	BT 40A/B	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	BT 40/BP	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	SK 50 DIN 69871A/B	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	SK 50 DIN 69871/BP	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	BT 50A/B	24.000
KC32	collet chuck without nut RH	ER 40	50	55,5	BT 50/BP	24.000
KC33	collet chuck without nut RH	ER 40	50	85,5	SK 40 DIN 69871A/B	24.000
KC33	collet chuck without nut RH	ER 40	50	85,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



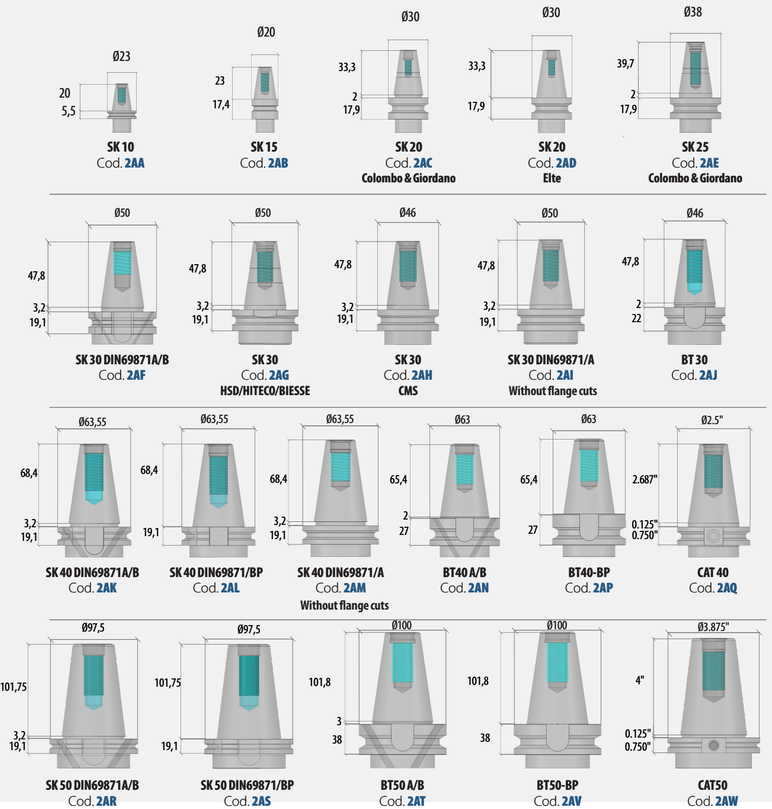
Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KC33	collet chuck without nut RH	ER 40	50	85,5	BT 40A/B	24.000
KC33	collet chuck without nut RH	ER 40	50	85,5	SK 50 DIN 69871A/B	24.000
KC33	collet chuck without nut RH	ER 40	50	85,5	BT 50A/B	24.000
KC34	collet chuck without nut RH	ER 40	2.48"	3.4"	CAT 40	24.000
KC34	collet chuck without nut RH	ER 40	2.48"	3.4"	CAT 50	24.000
KC35	collet chuck without nut RH	ER 50	68	78,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KC35	collet chuck without nut RH	ER 50	68	78,5	BT 40A/B	24.000
KC35	collet chuck without nut RH	ER 50	68	78,5	SK 50 DIN 69871A/B	24.000
KC35	collet chuck without nut RH	ER 50	68	78,5	BT 50A/B	24.000
KC36	collet chuck without nut RH	ER 50	3.07"	3.15"	CAT 40	24.000
KC36	collet chuck without nut RH	ER 50	3.07"	3.15"	CAT 50	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

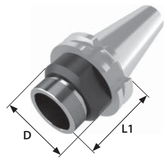
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



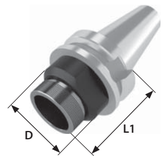
Collet chucks LH without collet nut for ER collet DIN 6499/DIN 15488

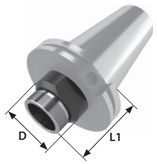
Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



page 182 page 200 page 178 page 161 page 223

Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KD00	collet chuck without mini nut LH	ER 8	12	15	SK 10	70.000
KD01	collet chuck without hex nut LH	ER 11	EX17	13,8	SK 10	70.000
KD02	collet chuck without hex nut LH	ER 11	EX17	35,2	SK 15	24.000
KD03	collet chuck without mini nut LH	ER 11	16	39,7	SK 20 "C&G"	50.000
KD03	collet chuck without mini nut LH	ER 11	16	39,7	SK 20 "ELTE"	50.000
KD04	collet chuck without mini nut LH	ER 16	22	19,8	SK 10	70.000
KD05	collet chuck without mini nut LH	ER 16	22	44,8	SK 15	24.000
KD06	collet chuck without mini nut LH	ER 16	22	40,9	SK 20 "C&G"	50.000
KD06	collet chuck without mini nut LH	ER 16	22	40,9	SK 20 "ELTE"	50.000
KD07	collet chuck without mini nut LH	ER 16	22	35,8	SK 30 "CMS"	24.000
KD08	collet chuck without mini nut LH	ER 16	22	37,3	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KD09	collet chuck without mini nut LH	ER 16	22	59,8	SK 40 DIN 69871A/B	24.000
KD09	collet chuck without mini nut LH	ER 16	22	59,8	SK 40 DIN 69871/BP	24.000
KD09	collet chuck without mini nut LH	ER 16	22	59,8	BT 40A/B	24.000
KD09	collet chuck without mini nut LH	ER 16	22	59,8	BT 40/BP	24.000
KD10	collet chuck without nut LH	ER 16	32	89,8	SK 40 DIN 69871A/B	24.000
KD10	collet chuck without nut LH	ER 16	32	89,8	BT 40A/B	24.000
KD10	collet chuck without nut LH	ER 16	32	89,8	SK 50 DIN 69871A/B	24.000
KD10	collet chuck without nut LH	ER 16	32	89,9	BT 50A/B	24.000
KD11	collet chuck without nut LH	ER 16	1.25"	3.59"	CAT 40	24.000
KD11	collet chuck without nut LH	ER 16	1.25"	3.59"	CAT 50	24.000
KD12	collet chuck without mini nut LH	ER 20	28	44	SK 20 "C&G"	50.000
KD13	collet chuck without mini nut LH	ER 20	28	40	SK 20 "ELTE"	50.000
KD14	collet chuck without mini nut LH	ER 20	28	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KD15	collet chuck without mini nut LH	ER 20	28	59	SK 30 DIN 69871A/B	24.000
KD15	collet chuck without mini nut LH	ER 20	28	59	SK 40 DIN 69871A/B	24.000
KD15	collet chuck without mini nut LH	ER 20	28	59	SK 40 DIN 69871/BP	24.000
KD15	collet chuck without mini nut LH	ER 20	28	59	BT 40A/B	24.000
KD15	collet chuck without mini nut LH	ER 20	28	59	BT 40/BP	24.000
KD16	collet chuck without nut LH	ER 20	35	59	SK 40 DIN 69871A/B	24.000





Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KD16	collet chuck without nut LH	ER 20	35	59	BT 40A/B	24.000
KD17	collet chuck without nut LH	ER 20	1.34"	3.56"	CAT 40	24.000
KD17	collet chuck without nut LH	ER 20	1.34"	3.56"	CAT 50	24.000
KD18	collet chuck without nut LH	ER 25	42	53	SK 25 "C&G"	50.000
KD19	collet chuck without mini nut LH	ER 25	35	58,5	SK 30 DIN 69871A/B	24.000
KD20	collet chuck without mini nut LH	ER 25	35	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KD21	collet chuck without nut LH	ER 25	42	37	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	SK 40 DIN 69871A/B	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	SK 40 DIN 69871/BP	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	BT 40A/B	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	BT 40/BP	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	SK 50 DIN 69871A/B	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	SK 50 DIN 69871/BP	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	BT 50A/B	24.000
KD22	collet chuck without nut LH	ER 25	42	58,5	BT 50/BP	24.000
KD23	collet chuck without nut LH	ER 25	1.65"	3.54"	CAT 40	24.000
KD23	collet chuck without nut LH	ER 25	1.65"	3.54"	CAT 50	24.000
KD24	collet chuck without nut LH	ER 32	50	57,5	SK 30 DIN 69871A/B	24.000
KD24	collet chuck without nut LH	ER 32	50	57,5	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KD25	collet chuck without nut LH	ER 32	50	36	SK 30 "HSD"/"HITECO"/"BIESSE"	24.000
KD26	collet chuck without nut LH	ER 32	50	40	SK 30 "CMS"	24.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. M1

● OPTIONAL FINISHES*

DARKSIDE
Cod. Z1

ENDURANCE
Cod. Z2

NICKEL
Cod. Z3

*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

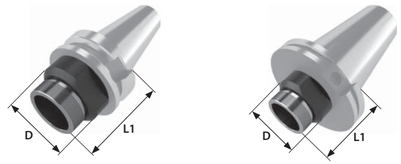
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Collet chucks LH without collet nut for ER collet DIN 6499/DIN 15488

Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KD27	collet chuck without nut LH	ER 32	50	57,5	SK 40 DIN 69871A/B	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	SK 40 DIN 69871/BP	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	BT 40A/B	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	BT 40/BP	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	SK 50 DIN 69871A/B	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	SK 50 DIN 69871/BP	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	BT 50A/B	24.000
KD27	collet chuck without nut LH	ER 32	50	57,5	BT 50/BP	24.000
KD28	collet chuck without nut LH	ER 32	50	87,5	SK 40 DIN 69871A/B	24.000
KD28	collet chuck without nut LH	ER 32	50	87,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KD28	collet chuck without nut LH	ER 32	50	87,5	BT 40A/B	24.000
KD28	collet chuck without nut LH	ER 32	50	87,5	SK 50 DIN 69871A/B	24.000
KD28	collet chuck without nut LH	ER 32	50	87,5	BT 50A/B	24.000
KD29	collet chuck without nut LH	ER 32	1.97"	3.5"	CAT 40	24.000
KD29	collet chuck without nut LH	ER 32	1.97"	3.5"	CAT 50	24.000
KD30	collet chuck without nut LH	ER 40	50	55,5	SK 30 DIN 69871A/B	24.000
KD30	collet chuck without nut LH	ER 40	50	55,5	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KD31	collet chuck without nut LH	ER 40	50	44	SK 30 HSD/HITECO	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	SK 40 DIN 69871A/B	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	SK 40 DIN 69871/BP	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	BT 40A/B	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	BT 40/BP	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	SK 50 DIN 69871A/B	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	SK 50 DIN 69871/BP	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	BT 50A/B	24.000
KD32	collet chuck without nut LH	ER 40	50	55,5	BT 50/BP	24.000
KD33	collet chuck without nut LH	ER 40	50	85,5	SK 40 DIN 69871A/B	24.000
KD33	collet chuck without nut LH	ER 40	50	85,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



Part code	Description	ER	D	L1	Connection	Balancing (RPM)
KD33	collet chuck without nut LH	ER 40	50	85,5	BT 40A/B	24.000
KD33	collet chuck without nut LH	ER 40	50	85,5	SK 50 DIN 69871A/B	24.000
KD33	collet chuck without nut LH	ER 40	50	85,5	BT 50A/B	24.000
KD34	collet chuck without nut LH	ER 40	2.48"	3.4"	CAT 40	24.000
KD34	collet chuck without nut LH	ER 40	2.48"	3.4"	CAT 50	24.000
KD35	collet chuck without nut LH	ER 50	68	78,5	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KD35	collet chuck without nut LH	ER 50	68	78,5	BT 40A/B	24.000
KD35	collet chuck without nut LH	ER 50	68	78,5	SK 50 DIN 69871A/B	24.000
KD35	collet chuck without nut LH	ER 50	68	78,5	BT 50A/B	24.000
KD36	collet chuck without nut LH	ER 50	3.07"	3.15"	CAT 40	24.000
KD36	collet chuck without nut LH	ER 50	3.07"	3.15"	CAT 50	24.000

SK
BT
CAT

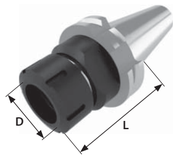
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

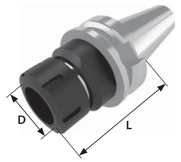
*See page 69 for the complete list of DIN manufacturing rules.

Collet chucks RH/LH with collet nut for collet EOC DIN 6388

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



Part code	Description	EOC	D	L	Connection	Balancing (RPM)
KE00	collet chuck with nut RH	EOC 10	30	45	SK 30 DIN 69871A/B	15.000
KE00	collet chuck with nut RH	EOC 10	30	45	SK 40 DIN 69871A/B	15.000
KE01	collet chuck with nut RH	EOC 12	35	60	SK 30 DIN 69871A/B	15.000
KE01	collet chuck with nut RH	EOC 12	35	60	SK 40 DIN 69871A/B	15.000
KE02	collet chuck with nut RH	EOC 16	43	60	SK 30 DIN 69871A/B	15.000
KE02	collet chuck with nut RH	EOC 16	43	60	SK 40 DIN 69871A/B	15.000
KE03	collet chuck with nut RH	EOC 20	50	70	SK 40 DIN 69871A/B	15.000
KE03	collet chuck with nut RH	EOC 20	50	70	BT 40A/B	15.000
KE04	collet chuck with nut RH	EOC 25	60	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KE04	collet chuck with nut RH	EOC 25	60	70	SK 40 DIN 69871A/B	15.000
KE04	collet chuck with nut RH	EOC 25	60	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KE04	collet chuck with nut RH	EOC 25	60	70	BT 40A/B	15.000
KE05	collet chuck with nut RH	EOC 25	60	100	SK 50 DIN 69871A/B	15.000
KE05	collet chuck with nut RH	EOC 25	60	100	BT 50A/B	15.000



Part code	Description	EOC	D	L	Connection	Balancing (RPM)
KF00	collet chuck with nut LH	EOC 10	30	45	SK 30 DIN 69871A/B	15.000
KF00	collet chuck with nut LH	EOC 10	30	45	SK 40 DIN 69871A/B	15.000
KF01	collet chuck with nut LH	EOC 12	35	60	SK 30 DIN 69871A/B	15.000
KF01	collet chuck with nut LH	EOC 12	35	60	SK 40 DIN 69871A/B	15.000
KF02	collet chuck with nut LH	EOC 16	43	60	SK 30 DIN 69871A/B	15.000
KF02	collet chuck with nut LH	EOC 16	43	60	SK 40 DIN 69871A/B	15.000
KF03	collet chuck with nut LH	EOC 20	50	70	SK 40 DIN 69871A/B	15.000
KF03	collet chuck with nut LH	EOC 20	50	70	BT 40A/B	15.000
KF04	collet chuck with nut LH	EOC 25	60	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KF04	collet chuck with nut LH	EOC 25	60	70	SK 40 DIN 69871A/B	15.000
KF04	collet chuck with nut LH	EOC 25	60	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KF04	collet chuck with nut LH	EOC 25	60	70	BT 40A/B	15.000
KF05	collet chuck with nut LH	EOC 25	60	100	SK 50 DIN 69871A/B	15.000
KF05	collet chuck with nut LH	EOC 25	60	100	BT 50A/B	15.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. **M1**

● OPTIONAL FINISHES*

DARKSIDE
Cod. **Z1**

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

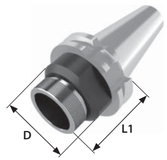
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

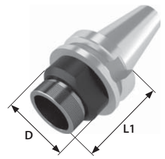
Collet chucks RH/LH without collet nut for collet EOC DIN 6388

Thanks to its setting versatility, the collet chuck is the most popular solution for milling operations at high speed.



page 182 page 200 page 178 page 161 page 223

Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
KG00	collet chuck without nut RH	EOC 10	30	36	SK 30 DIN 69871A/B	24.000
KG00	collet chuck without nut RH	EOC 10	30	36	SK 40 DIN 69871A/B	24.000
KG01	collet chuck without nut RH	EOC 12	35	50,5	SK 30 DIN 69871A/B	24.000
KG01	collet chuck without nut RH	EOC 12	35	50,5	SK 40 DIN 69871A/B	24.000
KG02	collet chuck without nut RH	EOC 16	43	49	SK 30 DIN 69871A/B	24.000
KG02	collet chuck without nut RH	EOC 16	43	49	SK 40 DIN 69871A/B	24.000
KG03	collet chuck without nut RH	EOC 20	50	58	SK 40 DIN 69871A/B	24.000
KG03	collet chuck without nut RH	EOC 20	50	58	BT 40A/B	24.000
KG04	collet chuck without nut RH	EOC 25	60	58	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KG04	collet chuck without nut RH	EOC 25	60	58	SK 40 DIN 69871A/B	24.000
KG04	collet chuck without nut RH	EOC 25	60	58	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KG04	collet chuck without nut RH	EOC 25	60	58	BT 40A/B	24.000
KG05	collet chuck without nut RH	EOC 25	60	88	BT 50A/B	24.000
KG05	collet chuck without nut RH	EOC 25	60	88	SK 50 DIN 69871A/B	24.000



Part code	Description	EOC	D	L1	Connection	Balancing (RPM)
KH00	collet chuck without nut LH	EOC 10	30	36	SK 30 DIN 69871A/B	24.000
KH00	collet chuck without nut LH	EOC 10	30	36	SK 40 DIN 69871A/B	24.000
KH01	collet chuck without nut LH	EOC 12	35	50,5	SK 30 DIN 69871A/B	24.000
KH01	collet chuck without nut LH	EOC 12	35	50,5	SK 40 DIN 69871A/B	24.000
KH02	collet chuck without nut LH	EOC 16	43	49	SK 30 DIN 69871A/B	24.000
KH02	collet chuck without nut LH	EOC 16	43	49	SK 40 DIN 69871A/B	24.000
KH03	collet chuck without nut LH	EOC 20	50	58	SK 40 DIN 69871A/B	24.000
KH03	collet chuck without nut LH	EOC 20	50	58	BT 40A/B	24.000
KH04	collet chuck without nut LH	EOC 25	60	58	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KH04	collet chuck without nut LH	EOC 25	60	58	SK 40 DIN 69871A/B	24.000
KH04	collet chuck without nut LH	EOC 25	60	58	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KH04	collet chuck without nut LH	EOC 25	60	58	BT 40A/B	24.000
KH05	collet chuck without nut LH	EOC 25	60	88	BT 50A/B	24.000
KH05	collet chuck without nut LH	EOC 25	60	88	SK 50 DIN 69871A/B	24.000

● MANUFACTURING MATERIAL

STEEL

● OPTIONAL MATERIAL

STAINLESS STEEL
Cod. **M1**

● OPTIONAL FINISHES*

DARKSIDE
Cod. **Z1**

ENDURANCE
Cod. **Z2**

NICKEL
Cod. **Z3**

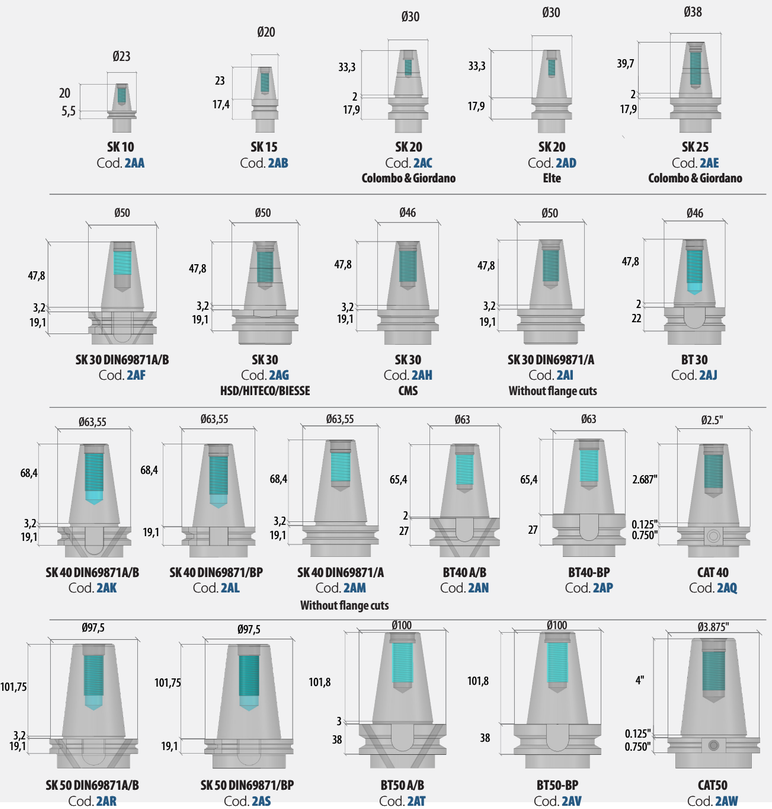
*By choosing optional materials, the specific hardness may vary.

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

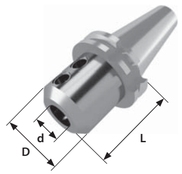
*See page 69 for the complete list of DIN manufacturing rules.



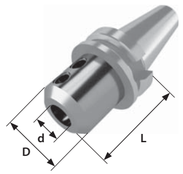
End mill holders DIN 1835/B

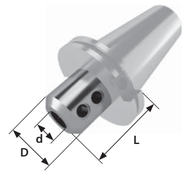
End Mill Holders are affordable, quick to install, and easy to use. An optimal choice for quality and price for lower speed operations.

page 200
page 223



Part code	Description	D	d	L	Connection	Balancing (RPM)
KJ00	end mill holder	25	6	70	SK 30 DIN 69871A/B	15.000
KJ00	end mill holder	25	6	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ00	end mill holder	25	6	70	SK 40 DIN 69871A/B	15.000
KJ00	end mill holder	25	6	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ00	end mill holder	25	6	70	BT 30 - BT 40A/B	15.000
KJ01	end mill holder	28	8	70	SK 30 DIN 69871A/B	15.000
KJ01	end mill holder	28	8	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ01	end mill holder	28	8	70	SK 40 DIN 69871A/B	15.000
KJ01	end mill holder	28	8	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ01	end mill holder	28	8	70	BT 30 - BT 40A/B	15.000
KJ02	end mill holder	35	10	70	SK 30 DIN 69871A/B	15.000
KJ02	end mill holder	35	10	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ02	end mill holder	35	10	70	SK 40 DIN 69871A/B	15.000
KJ02	end mill holder	35	10	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ02	end mill holder	35	10	70	SK 50 DIN 69871A/B	15.000
KJ02	end mill holder	35	10	70	BT 30 - BT 40A/B - BT 50A/B	15.000
KJ03	end mill holder	42	12	70	SK 30 DIN 69871A/B	15.000
KJ03	end mill holder	42	12	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ03	end mill holder	42	12	70	SK 40 DIN 69871A/B	15.000
KJ03	end mill holder	42	12	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ03	end mill holder	42	12	70	SK 50 DIN 69871A/B	15.000
KJ03	end mill holder	42	12	70	BT 30 - BT 40A/B - BT 50A/B	15.000
KJ04	end mill holder	44	14	70	SK 30 DIN 69871A/B	15.000
KJ04	end mill holder	44	14	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ04	end mill holder	44	14	70	SK 40 DIN 69871A/B	15.000
KJ04	end mill holder	44	14	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ04	end mill holder	44	14	70	SK 50 DIN 69871A/B	15.000
KJ04	end mill holder	44	14	70	BT 40A/B - BT 50A/B	15.000
KJ05	end mill holder	48	16	70	SK 30 DIN 69871A/B	15.000
KJ05	end mill holder	48	16	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ05	end mill holder	48	16	70	SK 40 DIN 69871A/B	15.000
KJ05	end mill holder	48	16	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ05	end mill holder	48	16	70	SK 50 DIN 69871A/B	15.000
KJ05	end mill holder	48	16	70	BT 40A/B - BT 50A/B	15.000
KJ06	end mill holder	50	18	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ06	end mill holder	50	18	70	SK 40 DIN 69871A/B	15.000
KJ06	end mill holder	50	18	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ06	end mill holder	50	18	70	SK 50 DIN 69871A/B	15.000





Part code	Description	D	d	L	Connection	Balancing (RPM)
KJ06	end mill holder	50	18	70	BT 40A/B - BT 50A/B	15.000
KJ07	end mill holder	52	20	70	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KJ07	end mill holder	52	20	70	SK 40 DIN 69871A/B	15.000
KJ07	end mill holder	52	20	70	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KJ07	end mill holder	52	20	70	SK 50 DIN 69871A/B	15.000
KJ07	end mill holder	52	20	70	BT 40A/B - BT 50A/B	15.000
KJ08	end mill holder	65	25	100	SK 40 DIN 69871A/B	15.000
KJ08	end mill holder	65	25	100	SK 50 DIN 69871A/B	15.000
KJ08	end mill holder	65	25	100	BT 40A/B - BT 50A/B	15.000
KJ09	end mill holder	72	32	100	SK 40 DIN 69871A/B	15.000
KJ09	end mill holder	72	32	100	SK 50 DIN 69871A/B	15.000
KJ09	end mill holder	72	32	100	BT 40A/B - BT 50A/B	15.000
KJ10	end mill holder	80	40	120	SK 40 DIN 69871A/B	15.000
KJ10	end mill holder	80	40	120	SK 50 DIN 69871A/B	15.000
KJ10	end mill holder	80	40	120	BT 40A/B - BT 50A/B	15.000
KJ11	end mill holder	0.78"	1/4"	3"	CAT 40	15.000
KJ12	end mill holder	0.88"	5/16"	3"	CAT 40	15.000
KJ13	end mill holder	1"	3/8"	3"	CAT 40	15.000
KJ14	end mill holder	1.25"	1/2"	3"	CAT 40	15.000
KJ15	end mill holder	1.75"	3/4"	3"	CAT 40	15.000
KJ16	end mill holder	2"	1"	4"	CAT 40	15.000
KJ17	end mill holder	0.78"	1/4"	4"	CAT 50	15.000
KJ18	end mill holder	0.88"	5/16"	4"	CAT 50	15.000
KJ19	end mill holder	1"	3/8"	4"	CAT 50	15.000
KJ20	end mill holder	1.25"	1/2"	4"	CAT 50	15.000
KJ21	end mill holder	1.75"	3/4"	4"	CAT 50	15.000
KJ16	end mill holder	2"	1"	4"	CAT 50	15.000

● MANUFACTURING MATERIAL

STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Face Mill holders DIN 6357

Traditional locking system for metalworking mills, the tool is held in place with spacer rings, closing washer and screw.

page 200 page 223

Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
KK00	face mill holder	39	16	17	50	SK 30 DIN 69871A/B	24.000
KK00	face mill holder	39	16	17	50	SK 40 DIN 69871A/B	24.000
KK00	face mill holder	39	16	17	50	SK 50 DIN 69871A/B	24.000
KK00	face mill holder	39	16	17	50	BT 30	24.000
KK00	face mill holder	39	16	17	50	BT 40A/B	24.000
KK01	face mill holder	39	16	17	70	BT 50A/B	24.000
KK02	face mill holder	48	22	19	50	SK 30 DIN 69871A/B	24.000
KK02	face mill holder	48	22	19	50	SK 40 DIN 69871A/B	24.000
KK03	face mill holder	48	22	19	58	SK 50 DIN 69871A/B	24.000
KK03	face mill holder	48	22	19	58	BT 30	24.000
KK03	face mill holder	48	22	19	58	BT 40A/B	24.000
KK04	face mill holder	48	22	19	70	BT 50A/B	24.000
KK05	face mill holder	55	27	21	58	SK 30 DIN 69871A/B	24.000
KK05	face mill holder	55	27	21	58	SK 40 DIN 69871A/B	24.000
KK05	face mill holder	55	27	21	58	SK 50 DIN 69871A/B	24.000
KK05	face mill holder	55	27	21	58	BT 30	24.000
KK05	face mill holder	55	27	21	58	BT 40A/B	24.000
KK06	face mill holder	55	27	21	70	BT 50A/B	24.000
KK07	face mill holder	63	32	24	56	SK 40 DIN 69871A/B	24.000
KK07	face mill holder	63	32	24	56	SK 50 DIN 69871A/B	24.000
KK07	face mill holder	63	32	24	56	BT 40A/B	24.000
KK08	face mill holder	63	32	24	70	BT 50A/B	24.000
KK09	face mill holder	78	40	27	56	SK 40 DIN 69871A/B	24.000
KK09	face mill holder	78	40	27	56	SK 50 DIN 69871A/B	24.000
KK09	face mill holder	78	40	27	56	BT 40A/B	24.000
KK10	face mill holder	78	40	27	80	BT 50A/B	24.000

Part code	Description	D	d	L1	L	Connection	Balancing (RPM)
KK11	face mill holder	1.69"	3/4"	0.69"	1.37"	CAT 40	24.000
KK12	face mill holder	2.2"	1"	0.69"	4"	CAT 40	24.000
KK13	face mill holder	3.8"	1-1/2"	0.94"	4"	CAT 40	24.000
KK14	face mill holder	1.69"	3/4"	0.69"	3.5"	CAT 50	24.000
KK12	face mill holder	2.2"	1"	0.69"	4"	CAT 50	24.000
KK13	face mill holder	3.8"	1-1/2"	0.94"	4"	CAT 50	24.000

● MANUFACTURING MATERIAL

STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

SK 10 Cod. **2AA**

SK 15 Cod. **2AB**

SK 20 Cod. **2AC** **Colombo & Giordano**

SK 20 Cod. **2AD** **Elte**

SK 25 Cod. **2AE** **Colombo & Giordano**

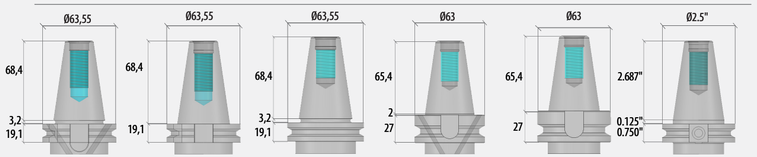
SK 30 DIN69871A/B Cod. **2AF**

SK 30 Cod. **2AG** **HSD/HITECO/BIESSE**

SK 30 Cod. **2AH** **CMS**

SK 30 DIN69871/A Cod. **2AI** **Without flange cuts**

BT 30 Cod. **2AJ**



SK 40 DIN69871A/B Cod. **2AK**

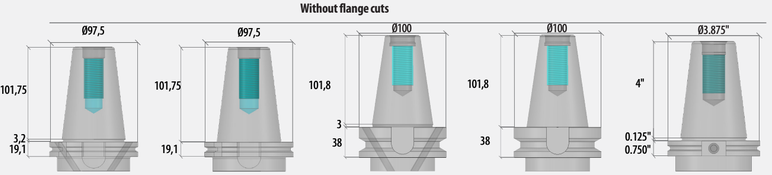
SK 40 DIN69871/BP Cod. **2AL**

SK 40 DIN69871/A Cod. **2AM** **Without flange cuts**

BT40 A/B Cod. **2AN**

BT40-BP Cod. **2AP**

CAT 40 Cod. **2AQ**



SK 50 DIN69871A/B Cod. **2AR**

SK 50 DIN69871/BP Cod. **2AS**

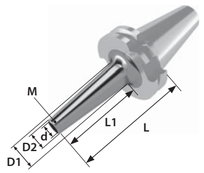
BT50 A/B Cod. **2AT**

BT50-BP Cod. **2AV**

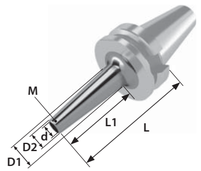
CAT50 Cod. **2AW**

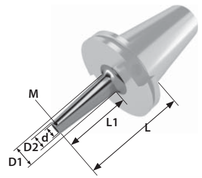
Modular tool holders

The modular tool holders are used in assembly with sharpening mills and drills with a threaded connection.



Part code	Description	d	M	L	L1	D1	D2	Connection	Balancing (RPM)
KL00	modular tool holder	8,5	M8	94	74,9	23	13	SK 40 DIN 69871A/B	15.000
KL01	modular tool holder	8,5	M8	94	67	23	13	BT 40A/B	15.000
KL02	modular tool holder	10,5	M10	94	74,9	26	13	SK 40 DIN 69871A/B	15.000
KL03	modular tool holder	10,5	M10	94	67	26	18	BT 40A/B	15.000
KL04	modular tool holder	10,5	M10	120	100,9	32	18	SK 50 DIN 69871A/B	15.000
KL05	modular tool holder	10,5	M10	120	82	32	18	BT 50A/B	15.000
KL06	modular tool holder	12,5	M12	94	74,9	26	21	SK 40 DIN 69871A/B	15.000
KL07	modular tool holder	12,5	M12	94	67	26	21	BT 40A/B	15.000
KL08	modular tool holder	12,5	M12	120	100,9	31	21	SK 50 DIN 69871A/B	15.000
KL09	modular tool holder	12,5	M12	120	82	31	21	BT 50A/B	15.000





Part code	Description	d	M	L	L1	D1	D2	Connection	Balancing (RPM)
KL10	modular tool holder	17	M16	94	74,9	36	29	SK 40 DIN 69871A/B	15.000
KL11	modular tool holder	17	M16	94	67	36	29	BT 40A/B	15.000
KL12	modular tool holder	17	M16	120	100,9	36	29	SK 50 DIN 69871A/B	15.000
KL13	modular tool holder	17	M16	120	82	36	29	BT 50A/B	15.000
KL14	modular tool holder	21	M20	94	74,9	39	29	SK 40 DIN 69871A/B	15.000
KL15	modular tool holder	21	M20	94	67	39	29	BT 40A/B	15.000
KL16	modular tool holder	21	M20	120	100,9	39	29	SK 50 DIN 69871A/B	15.000
KL17	modular tool holder	21	M20	120	82	39	29	BT 50A/B	15.000

● MANUFACTURING MATERIAL

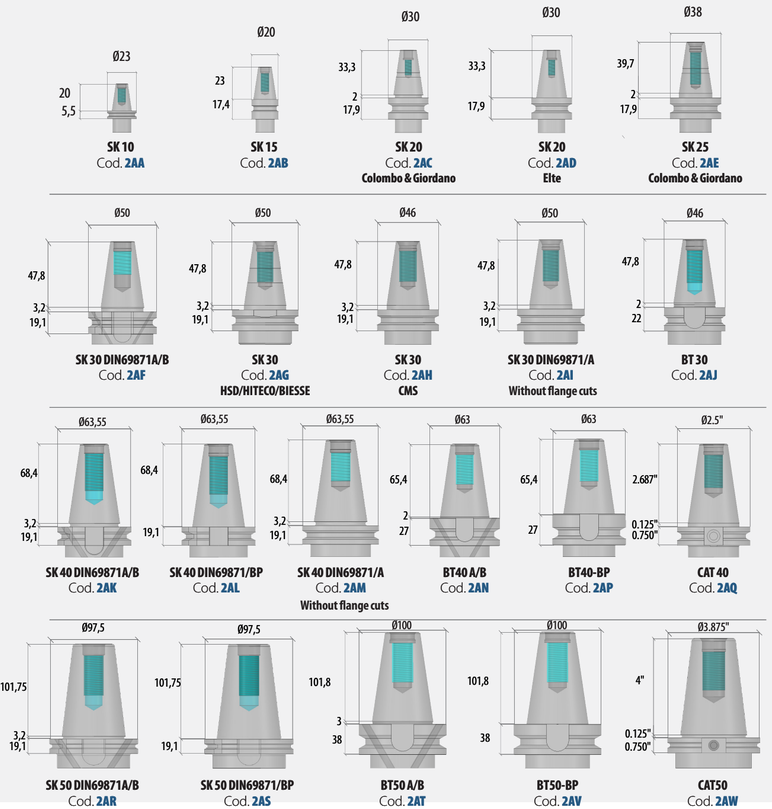
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

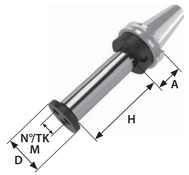
*See page 69 for the complete list of DIN manufacturing rules.



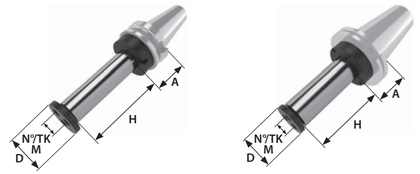
Milling arbors

Traditional clamping system for woodworking mills. The tool is held in place by spacer rings, end cap and three locking screws. The expanded end cap is included.

page 200 page 216 page 223



Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K000	milling arbor	35	20	70	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K001	milling arbor	35	20	75	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K002	milling arbor	35	20	80	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K003	milling arbor	35	20	85	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K004	milling arbor	35	20	90	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K005	milling arbor	35	20	95	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K006	milling arbor	35	20	100	M5	3/12	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K007	milling arbor	35	25	70	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K008	milling arbor	35	25	75	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K009	milling arbor	35	25	80	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K010	milling arbor	35	25	85	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K011	milling arbor	35	25	90	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K012	milling arbor	35	25	95	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K013	milling arbor	35	25	100	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30	24.000
K014	milling arbor	35	30	70	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K015	milling arbor	35	30	75	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K016	milling arbor	35	30	80	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K017	milling arbor	35	30	85	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K018	milling arbor	35	30	90	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K019	milling arbor	35	30	95	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K020	milling arbor	35	30	100	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K021	milling arbor	35	30	105	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K022	milling arbor	35	30	110	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K023	milling arbor	35	30	115	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K024	milling arbor	35	30	120	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K025	milling arbor	35	30	125	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K026	milling arbor	35	30	130	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K027	milling arbor	35	30	135	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000



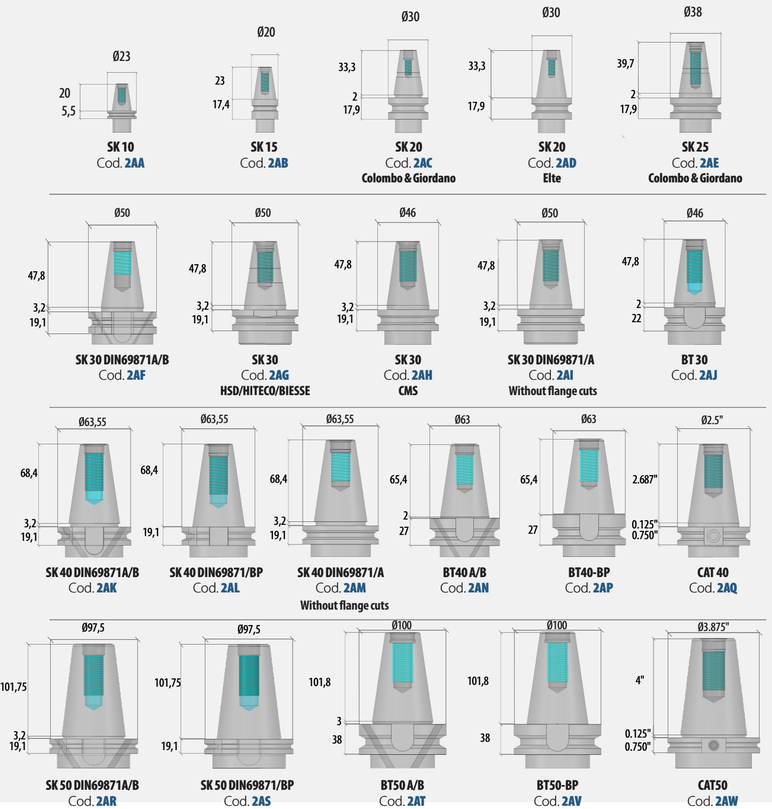
Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K028	milling arbor	35	30	140	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K029	milling arbor	35	30	145	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K030	milling arbor	35	30	150	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K031	milling arbor	35	30	160	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K032	milling arbor	35	30	170	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K033	milling arbor	35	30	180	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K034	milling arbor	35	30	190	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K035	milling arbor	35	30	200	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K036	milling arbor	35	35	70	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K037	milling arbor	35	35	75	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K038	milling arbor	35	35	80	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K039	milling arbor	35	35	85	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K040	milling arbor	35	35	90	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K041	milling arbor	35	35	95	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K042	milling arbor	35	35	100	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K043	milling arbor	35	35	105	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K044	milling arbor	35	35	110	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K045	milling arbor	35	35	115	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K046	milling arbor	35	35	120	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K047	milling arbor	35	35	125	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K048	milling arbor	35	35	130	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K049	milling arbor	35	35	135	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K050	milling arbor	35	35	140	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K051	milling arbor	35	35	145	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K052	milling arbor	35	35	150	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K053	milling arbor	35	35	160	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K054	milling arbor	35	35	170	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K055	milling arbor	35	35	180	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

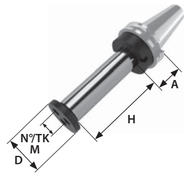
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

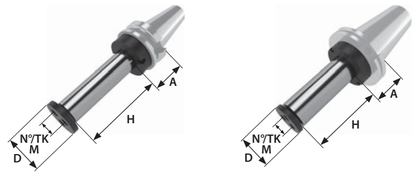


Milling arbors

page 200 page 216 page 223



Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K056	milling arbor	35	35	190	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K057	milling arbor	35	35	200	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K058	milling arbor	35	40	70	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K059	milling arbor	35	40	75	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K060	milling arbor	35	40	80	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K061	milling arbor	35	40	85	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K062	milling arbor	35	40	90	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K063	milling arbor	35	40	95	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K064	milling arbor	35	40	100	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K065	milling arbor	35	40	105	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K066	milling arbor	35	40	110	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K067	milling arbor	35	40	115	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K068	milling arbor	35	40	120	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K069	milling arbor	35	40	125	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K070	milling arbor	35	40	130	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K071	milling arbor	35	40	135	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K072	milling arbor	35	40	140	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K073	milling arbor	35	40	145	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K074	milling arbor	35	40	150	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K075	milling arbor	35	40	160	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K076	milling arbor	35	40	170	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K077	milling arbor	35	40	180	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K078	milling arbor	35	40	190	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K079	milling arbor	35	40	200	M6	3/25	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
K080	milling arbor	35	1"	80	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K081	milling arbor	35	1"	150	M6	3/16	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K082	milling arbor	35	1-1/4	80	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000
K083	milling arbor	35	1-1/4	150	M6	3/20	SK 30 DIN 69871/A W/O FLANGE CUTS - BT 30 - SK 30 "CMS"	24.000



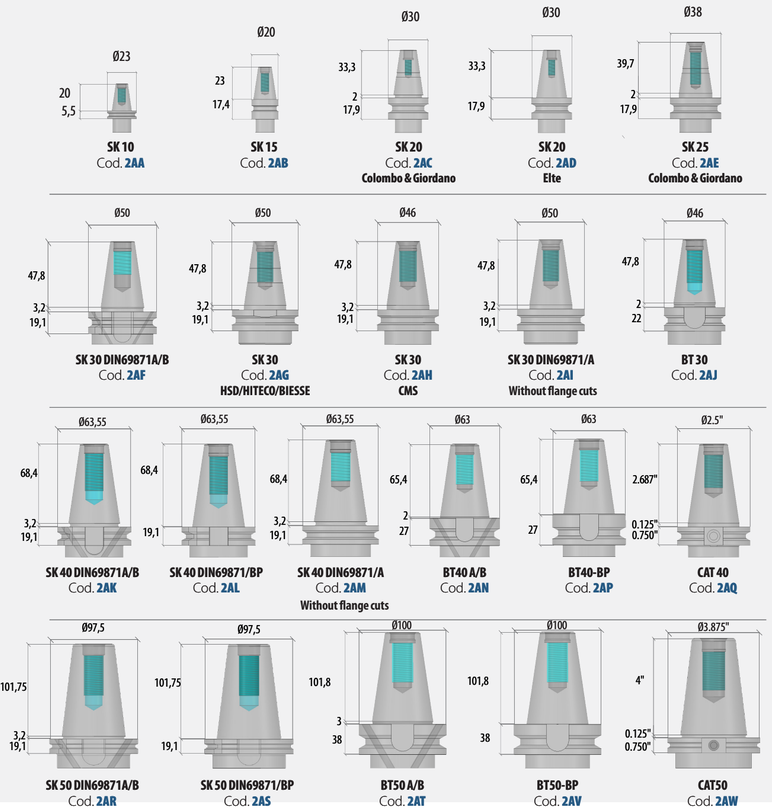
Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K200	milling arbor	35	30	70	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K201	milling arbor	35	30	75	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K202	milling arbor	35	30	80	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K203	milling arbor	35	30	85	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K204	milling arbor	35	30	90	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K205	milling arbor	35	30	95	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K206	milling arbor	35	30	100	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K207	milling arbor	35	30	105	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K208	milling arbor	35	30	110	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K209	milling arbor	35	30	115	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K210	milling arbor	35	30	120	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K211	milling arbor	35	30	125	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K212	milling arbor	35	30	130	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K213	milling arbor	35	30	135	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K214	milling arbor	35	30	140	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K215	milling arbor	35	30	145	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K216	milling arbor	35	30	150	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K217	milling arbor	35	30	160	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K218	milling arbor	35	30	170	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K219	milling arbor	35	30	180	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K220	milling arbor	35	30	190	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K221	milling arbor	35	30	200	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K222	milling arbor	35	35	70	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K223	milling arbor	35	35	75	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K224	milling arbor	35	35	80	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K225	milling arbor	35	35	85	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K226	milling arbor	35	35	90	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K227	milling arbor	35	35	95	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



SK 10 Cod. **2AA**

SK 15 Cod. **2AB**

SK 20 Cod. **2AC** **Colombo & Giordano**

SK 20 Cod. **2AD** **Elte**

SK 25 Cod. **2AE** **Colombo & Giordano**

SK 30 DIN69871A/B Cod. **2AF**

SK 30 Cod. **2AG** **HSD/HITECO/BIESSE**

SK 30 Cod. **2AH** **CMS**

SK 30 DIN69871/A Cod. **2AI** **Without flange cuts**

BT 30 Cod. **2AJ**

SK 40 DIN69871A/B Cod. **2AK**

SK 40 DIN69871/BP Cod. **2AL**

SK 40 DIN69871/A Cod. **2AM** **Without flange cuts**

BT40 A/B Cod. **2AN**

BT40-BP Cod. **2AP**

CAT 40 Cod. **2AQ**

SK 50 DIN69871A/B Cod. **2AR**

SK 50 DIN69871/BP Cod. **2AS**

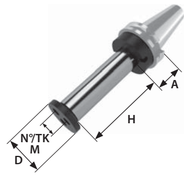
BT50 A/B Cod. **2AT**

BT50-BP Cod. **2AV**

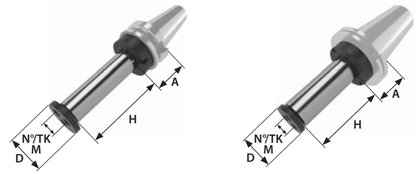
CAT50 Cod. **2AW**

Milling arbors

H6 · 58HRC · page 200 · page 216 · page 223



Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K228	milling arbor	35	35	100	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K229	milling arbor	35	35	105	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K230	milling arbor	35	35	110	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K231	milling arbor	35	35	115	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K232	milling arbor	35	35	120	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K233	milling arbor	35	35	125	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K234	milling arbor	35	35	130	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K235	milling arbor	35	35	135	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K236	milling arbor	35	35	140	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K237	milling arbor	35	35	145	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K238	milling arbor	35	35	150	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K239	milling arbor	35	35	160	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K240	milling arbor	35	35	170	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K241	milling arbor	35	35	180	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K242	milling arbor	35	35	190	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K243	milling arbor	35	35	200	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K244	milling arbor	35	40	70	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K245	milling arbor	35	40	75	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K246	milling arbor	35	40	80	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K247	milling arbor	35	40	85	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K248	milling arbor	35	40	90	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K249	milling arbor	35	40	95	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K250	milling arbor	35	40	100	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K251	milling arbor	35	40	105	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K252	milling arbor	35	40	110	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K253	milling arbor	35	40	115	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K254	milling arbor	35	40	120	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K255	milling arbor	35	40	125	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



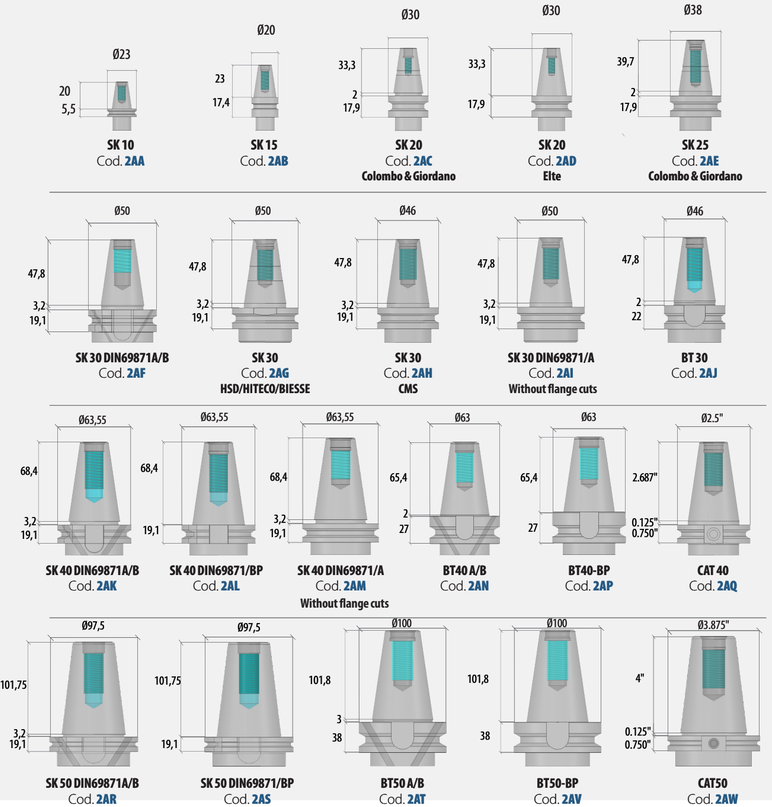
Part code	Description	A	D	H	M	N°/TK	Connection	Balancing (RPM)
K256	milling arbor	35	40	130	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K257	milling arbor	35	40	135	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K258	milling arbor	35	40	140	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K259	milling arbor	35	40	145	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K260	milling arbor	35	40	150	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K261	milling arbor	35	40	160	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K262	milling arbor	35	40	170	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K263	milling arbor	35	40	180	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K264	milling arbor	35	40	190	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K265	milling arbor	35	40	200	M6	3/25	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K266	milling arbor	35	1"	80	M6	3/16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K267	milling arbor	35	1"	150	M6	3/16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K268	milling arbor	35	1-1/4	80	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
K269	milling arbor	35	1-1/4	150	M6	3/20	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

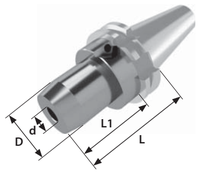
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



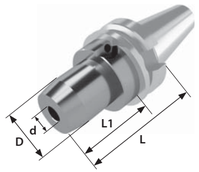
Hydro Chucks

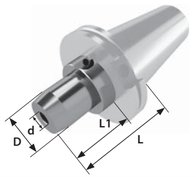
Ideal for detailing, milling and drilling operations.
Hydro chucks combine the best of all high range clamping systems, providing exceptional concentricity features and ease of set up.



page 200
page 223

Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
KM00	hydro chuck	30	10	95	75,9	SK 30 DIN 69871A/B	50.000
KM00	hydro chuck	30	10	95	75,9	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KM01	hydro chuck	30	10	95	75	BT 30	24.000
KM00	hydro chuck	30	10	95	75,9	SK 40 DIN 69871A/B	24.000
KM00	hydro chuck	30	10	95	75,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KM00	hydro chuck	30	10	95	75,9	SK 40 DIN 69871/BP	24.000
KM02	hydro chuck	30	10	95	68	BT 40A/B	24.000
KM02	hydro chuck	30	10	95	68	BT 40/BP	24.000
KM00	hydro chuck	30	10	95	75,9	CAT 40	24.000
KM00	hydro chuck	30	10	95	75,9	SK 50 DIN 69871A/B	18.000
KM00	hydro chuck	30	10	95	75,9	SK 50 DIN 69871/BP	24.000
KM03	hydro chuck	30	10	95	57	BT 50A/B	24.000
KM03	hydro chuck	30	10	95	57	BT 50/BP	24.000
KM00	hydro chuck	30	10	95	75,9	CAT 50	18.000
KM04	hydro chuck	32	12	95	75,9	SK 30 DIN 69871A/B	24.000
KM04	hydro chuck	32	12	95	75,9	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KM05	hydro chuck	32	12	95	75	BT 30	18.000
KM04	hydro chuck	32	12	95	75,9	SK 40 DIN 69871A/B	24.000
KM04	hydro chuck	32	12	95	75,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KM04	hydro chuck	32	12	95	75,9	SK 40 DIN 69871/BP	18.000
KM06	hydro chuck	32	12	95	68	BT 40A/B	24.000
KM06	hydro chuck	32	12	95	68	BT 40/BP	24.000
KM04	hydro chuck	32	12	95	75,9	CAT 40	24.000
KM04	hydro chuck	32	12	95	75,9	SK 50 DIN 69871A/B	24.000
KM04	hydro chuck	32	12	95	75,9	SK 50 DIN 69871/BP	24.000
KM07	hydro chuck	32	12	95	57	BT 50A/B	24.000
KM07	hydro chuck	32	12	95	57	BT 50/BP	24.000
KM04	hydro chuck	32	12	95	75,9	CAT 50	24.000
KM08	hydro chuck	42	16	100	80,9	SK 30 DIN 69871A/B	24.000
KM08	hydro chuck	42	16	100	80,9	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KM09	hydro chuck	42	16	100	80	BT 30	24.000
KM08	hydro chuck	42	16	100	80,9	SK 40 DIN 69871A/B	24.000
KM08	hydro chuck	42	16	100	80,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000





Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
KM08	hydro chuck	42	16	100	80,9	SK 40 DIN 69871/BP	24.000
KM10	hydro chuck	42	16	100	78	BT 40A/B	24.000
KM10	hydro chuck	42	16	100	78	BT 40/BP	18.000
KM08	hydro chuck	42	16	100	80,9	CAT 40	24.000
KM08	hydro chuck	42	16	100	80,9	SK 50 DIN 69871A/B	24.000
KM08	hydro chuck	42	16	100	80,9	SK 50 DIN 69871/BP	18.000
KM11	hydro chuck	42	16	100	62	BT 50A/B	24.000
KM11	hydro chuck	42	16	100	62	BT 50/BP	24.000
KM08	hydro chuck	42	16	100	80,9	CAT 50	18.000
KM12	hydro chuck	42	20	100	80,9	SK 30 DIN 69871A/B	18.000
KM12	hydro chuck	42	20	100	80,9	SK 30 DIN 69871/A W/O FLANGE CUTS	18.000
KM14	hydro chuck	42	20	100	80	BT 30	18.000
KM12	hydro chuck	42	20	100	80,9	SK 40 DIN 69871A/B	18.000
KM12	hydro chuck	42	20	100	80,9	SK 40 DIN 69871/A W/O FLANGE CUTS	18.000
KM12	hydro chuck	42	20	100	80,9	SK 40 DIN 69871/BP	18.000
KM15	hydro chuck	42	20	100	78	BT 40A/B	18.000
KM15	hydro chuck	42	20	100	78	BT 40/BP	18.000
KM12	hydro chuck	42	20	100	80,9	CAT 40	18.000
KM12	hydro chuck	42	20	100	80,9	SK 50 DIN 69871A/B	18.000
KM12	hydro chuck	42	20	100	80,9	SK 50 DIN 69871/BP	18.000
KM13	hydro chuck	42	20	100	62	BT 50A/B	18.000
KM13	hydro chuck	42	20	100	62	BT 50/BP	18.000
KM12	hydro chuck	42	20	100	80,9	CAT 50	18.000
KM16	hydro chuck	52	25	110	90,9	SK 40 DIN 69871A/B	18.000
KM16	hydro chuck	52	25	110	90,9	SK 40 DIN 69871/A W/O FLANGE CUTS	18.000

● MANUFACTURING MATERIAL

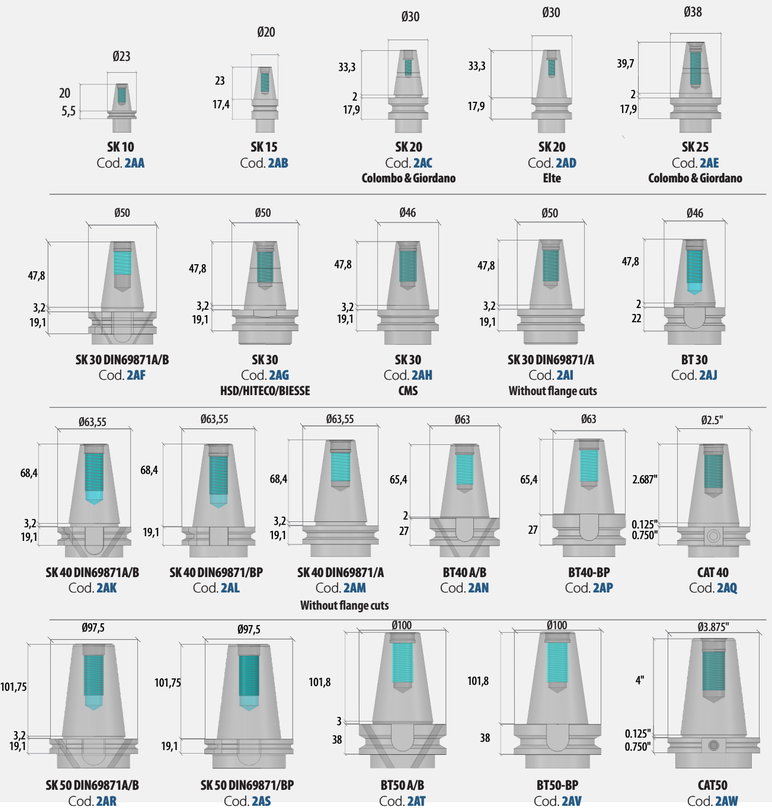
STEEL

SK
BT
CAT

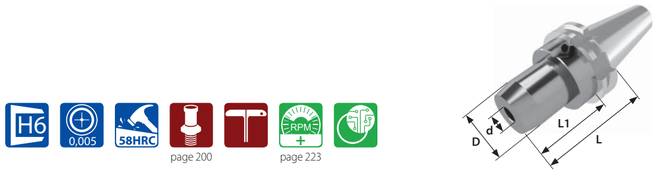
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

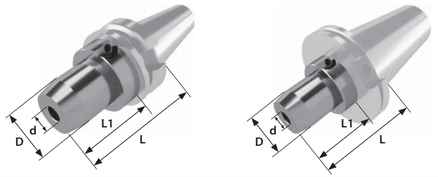


Hydro Chucks



H6 · 0,005 · 58HRC · page 200 · RPM · page 223

Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
KM16	hydro chuck	52	25	110	90,9	SK 40 DIN 69871/BP	18.000
KM17	hydro chuck	52	25	110	88	BT 40A/B	18.000
KM17	hydro chuck	52	25	110	88	BT 40/BP	18.000
KM16	hydro chuck	52	25	110	90,9	CAT 40	18.000
KM18	hydro chuck	52	25	120	100,9	SK 50 DIN 69871A/B	18.000
KM18	hydro chuck	52	25	120	100,9	SK 50 DIN 69871/BP	18.000
KM19	hydro chuck	52	25	120	82	BT 50A/B	18.000
KM19	hydro chuck	52	25	120	82	BT 50/BP	18.000
KM18	hydro chuck	52	25	120	100,9	CAT 50	18.000
KM21	hydro chuck	60	32	120	62	SK 50 DIN 69871A/B	18.000
KM21	hydro chuck	60	32	120	62	SK 50 DIN 69871/BP	18.000
KM28	hydro chuck	60	32	120	80,9	BT 50A/B	18.000
KM32	hydro chuck	60	32	120	90,9	BT 50/BP	50.000
KM32	hydro chuck	60	32	120	90,9	CAT 50	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 30 DIN 69871A/B	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KM24	hydro chuck	32	1/2"	95	75	BT 30	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 40 DIN 69871A/B	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 40 DIN 69871/BP	24.000
KM23	hydro chuck	32	1/2"	95	68	BT 40A/B	24.000
KM23	hydro chuck	32	1/2"	95	68	BT 40/BP	18.000
KM25	hydro chuck	32	1/2"	95	75,9	CAT 40	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 50 DIN 69871A/B	24.000
KM25	hydro chuck	32	1/2"	95	75,9	SK 50 DIN 69871/BP	24.000
KM20	hydro chuck	32	1/2"	95	57	BT 50A/B	18.000
KM20	hydro chuck	32	1/2"	95	57	BT 50/BP	24.000
KM25	hydro chuck	32	1/2"	95	75,9	CAT 50	24.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 30 DIN 69871A/B	18.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KM27	hydro chuck	42	3/4"	100	80	BT 30	24.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 40 DIN 69871A/B	18.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



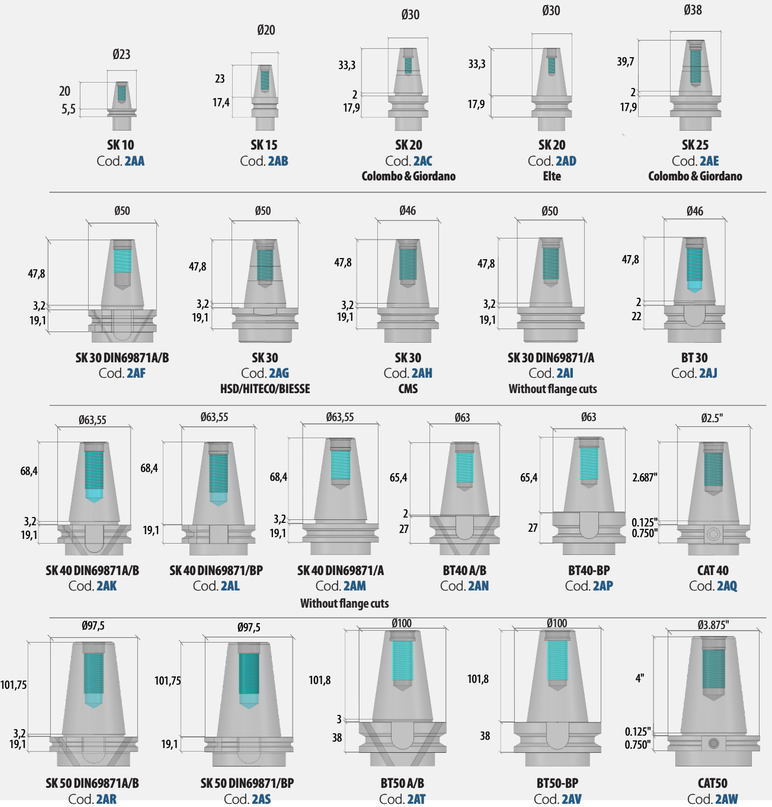
Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
KM29	hydro chuck	42	3/4"	100	80,9	SK 40 DIN 69871/BP	24.000
KM26	hydro chuck	42	3/4"	100	78	BT 40A/B	24.000
KM26	hydro chuck	42	3/4"	100	78	BT 40/BP	24.000
KM29	hydro chuck	42	3/4"	100	80,9	CAT 40	24.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 50 DIN 69871A/B	24.000
KM29	hydro chuck	42	3/4"	100	80,9	SK 50 DIN 69871/BP	24.000
KM22	hydro chuck	42	3/4"	100	62	BT 50A/B	24.000
KM22	hydro chuck	42	3/4"	100	62	BT 50/BP	24.000
KM29	hydro chuck	42	3/4"	100	80,9	CAT 50	24.000
KM33	hydro chuck	52	1"	110	90,9	SK 40 DIN 69871A/B	24.000
KM33	hydro chuck	52	1"	110	90,9	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KM33	hydro chuck	52	1"	110	90,9	SK 40 DIN 69871/BP	24.000
KM31	hydro chuck	52	1"	110	88	BT 40A/B	24.000
KM31	hydro chuck	52	1"	110	88	BT 40/BP	24.000
KM33	hydro chuck	52	1"	110	90,9	CAT 40	18.000
KM34	hydro chuck	52	1"	120	100,9	SK 50 DIN 69871A/B	24.000
KM34	hydro chuck	52	1"	120	100,9	SK 50 DIN 69871/BP	24.000
KM30	hydro chuck	52	1"	120	82	BT 50A/B	18.000
KM30	hydro chuck	52	1"	120	82	BT 50/BP	24.000
KM34	hydro chuck	52	1"	120	100,9	CAT 50	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

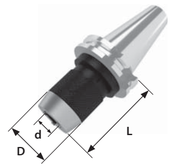
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Drill Chucks

Drill chucks are an effective system for low speed boring, milling and generic cut operations.



H6 | 58HRC | page 200 | page 223

Part code	Description	d	D	L	Connection	Balancing (RPM)
KQ00	drill chuck	0÷8	35	80	SK 30 DIN 69871A/B	15.000
KQ00	drill chuck	0÷8	35	80	BT 30	15.000
KQ01	drill chuck	0÷10	40	90	SK 30 DIN 69871A/B	15.000
KQ01	drill chuck	0÷10	40	90	BT 30	15.000
KQ02	drill chuck	0÷13	50	95	SK 40 DIN 69871A/B	15.000
KQ02	drill chuck	0÷13	50	95	BT 40A/B	15.000
KQ02	drill chuck	0÷13	50	95	CAT 40	15.000
KQ03	drill chuck	0÷13	50	105	SK 50 DIN 69871A/B	15.000
KQ03	drill chuck	0÷13	50	105	BT 50A/B	15.000
KQ03	drill chuck	0÷13	50	105	CAT 50	15.000
KQ04	drill chuck	0÷16	57	95	SK 40 DIN 69871A/B	15.000
KQ04	drill chuck	0÷16	57	95	BT 40A/B	15.000
KQ04	drill chuck	0÷16	57	95	CAT 40	15.000
KQ05	drill chuck	0÷16	57	105	SK 50 DIN 69871A/B	15.000
KQ05	drill chuck	0÷16	57	105	BT 50A/B	15.000
KQ05	drill chuck	0÷16	57	105	CAT 50	15.000

● MANUFACTURING MATERIAL

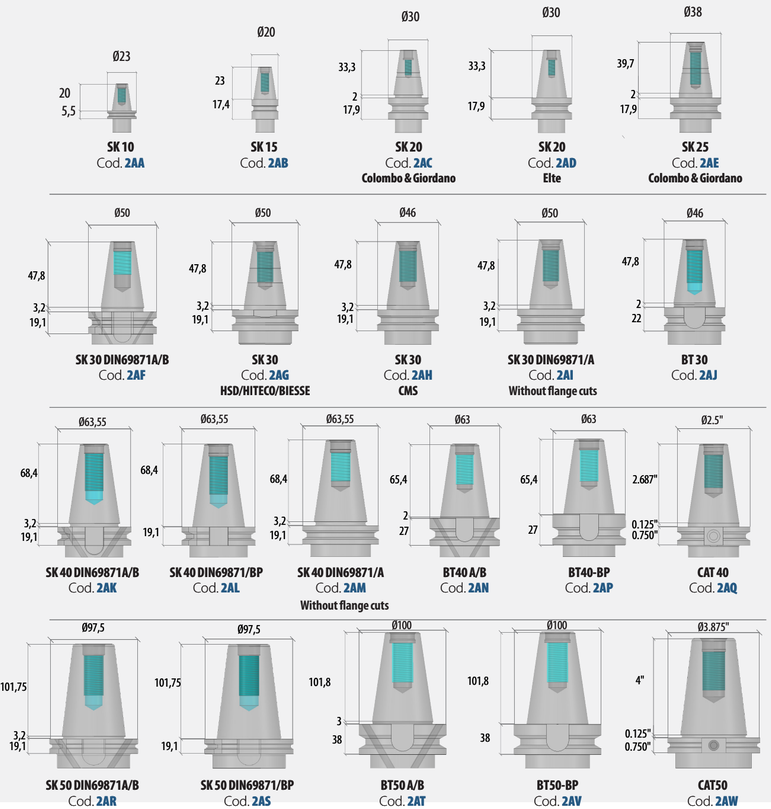
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

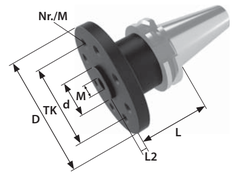
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



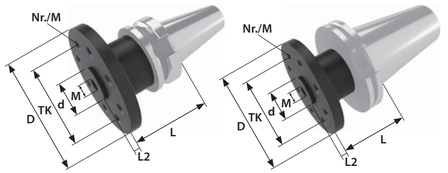
Saw Blade Holders without Counterflange

Saw Blade Holders are used for circular saws clamping.
The tool is locked in place with six screws.



page 200
page 223

Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 30 DIN 69871A/B	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 30 DIN 69871/A W/O FLANGE CUT	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	BT 30	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 40 DIN 69871A/B	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	BT 40A/B	24.000
KS00	saw blade holder without counterflange	80	1"	60	3	6/M5/vts	50	M10	CAT 40	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 30 DIN 69871A/B	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	BT 30	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 40 DIN 69871A/B	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS01	saw blade holder without counterflange	90	30	60	2,5	6/M5/vts	60	M12	BT 40A/B	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 30 DIN 69871A/B	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	BT 30	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 40 DIN 69871A/B	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	BT 40A/B	24.000
KS02	saw blade holder without counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	CAT 40	24.000
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	SK 30 DIN 69871A/B	24.000
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	BT 30	24.000



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	SK 40 DIN 69871A/B	24.000
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS03	saw blade holder without counterflange	100	32	60	4	8/M6/vts	75	M12	BT 40A/B	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	SK 30 DIN 69871A/B	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	BT 30	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	SK 40 DIN 69871A/B	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS04	saw blade holder without counterflange	120	40	80	5	8/M8/vts	80	M16	BT 40A/B	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	SK 30 DIN 69871A/B	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	BT 30	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	SK 40 DIN 69871A/B	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KS05	saw blade holder without counterflange	130	50	80	5	8/M8/vts	90	M16	BT 40A/B	24.000

● MANUFACTURING MATERIAL

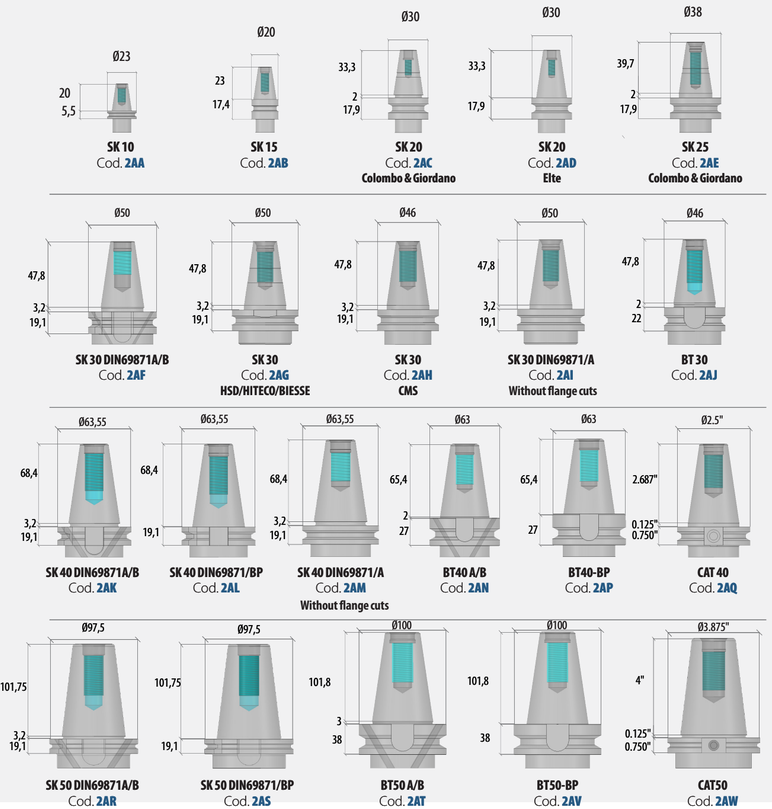
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

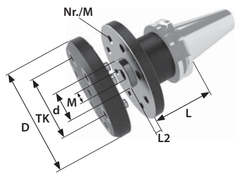
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



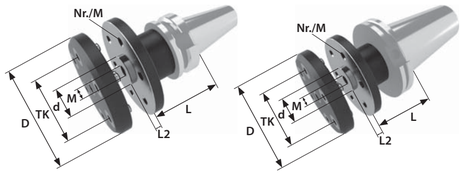
Saw Blade Holders with Counterflange

Saw Blade Holders are used for circular saws clamping. The tool is locked in place with six screws and with a safety counterflange.



page 200
page 223

Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 30 DIN 69871A/B	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	BT 30	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 40 DIN 69871A/B	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	BT 40A/B	24.000
KR00	saw blade holder with counterflange	80	1"	60	3	6/M5/vts	50	M10	CAT 40	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 30 DIN 69871A/B	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	BT 30	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 40 DIN 69871A/B	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR01	saw blade holder with counterflange	90	30	60	2,5	6/M5/vts	60	M12	BT 40A/B	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 30 DIN 69871A/B	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	BT 30	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 40 DIN 69871A/B	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	BT 40A/B	24.000
KR02	saw blade holder with counterflange	100	1-1/4"	60	3	6/M5/vts	75	M12	CAT 40	24.000
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	SK 30 DIN 69871A/B	24.000
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	BT 30	24.000



Part code	Description	D	d	L	L2	Nr./M	TK	M	Connection	Balancing (RPM)
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	SK 40 DIN 69871A/B	24.000
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR03	saw blade holder with counterflange	100	32	60	4	8/M6/vts	75	M12	BT 40A/B	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	SK 30 DIN 69871A/B	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	BT 30	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	SK 40 DIN 69871A/B	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR04	saw blade holder with counterflange	120	40	80	5	8/M8/vts	80	M16	BT 40A/B	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	SK 30 DIN 69871A/B	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	BT 30	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	SK 40 DIN 69871A/B	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
KR05	saw blade holder with counterflange	130	50	80	5	8/M8/vts	90	M16	BT 40A/B	24.000

When the sawblade holder is used with a counterflange, the tool is locked with a central M12 or M16 screw in addition to the standard six M5 or M6 ones. The counterflange is recommended for saws with an external diameter wider than 25cm (10")

MANUFACTURING MATERIAL

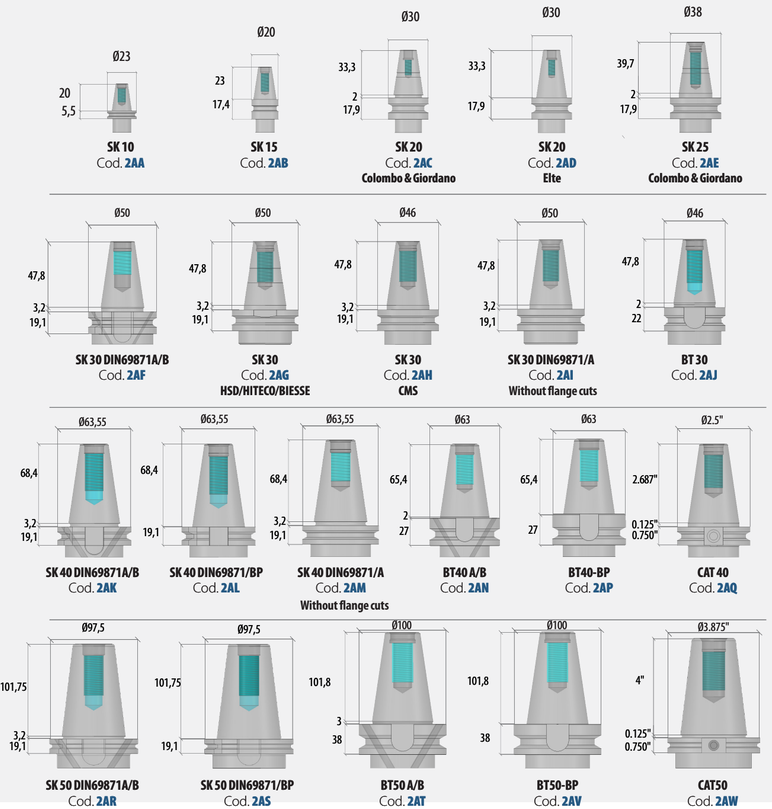
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

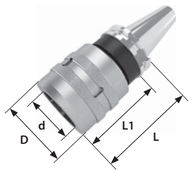
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

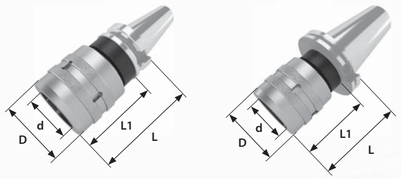


Milling chucks

The high clamping force, combined with the ease of use, makes milling chucks ideal for generic cut and milling operations.



Part code	Description	D	d	L	L1	Connection	Balancing (RPM)
KT00	milling chuck	54	20	95	75,9	SK 30 DIN 69871A/B	15.000
KT01	milling chuck	54	20	95	73	BT 30	15.000
KT02	milling chuck	64	25	95	75,9	SK 40 DIN 69871A/B	15.000
KT03	milling chuck	64	25	95	68	BT 40A/B	15.000
KT04	milling chuck	74	32	95	75,9	SK 40 DIN 69871A/B	15.000
KT05	milling chuck	74	32	95	68	BT 40A/B	15.000
KT06	milling chuck	74	32	105	85,9	SK 50 DIN 69871A/B	15.000
KT07	milling chuck	74	32	105	67	BT 50A/B	15.000
KT08	milling chuck	2.91"	32	4"	3.25"	CAT 40	15.000
KT08	milling chuck	2.91"	32	4"	3.25"	CAT 50	15.000



● MANUFACTURING MATERIAL

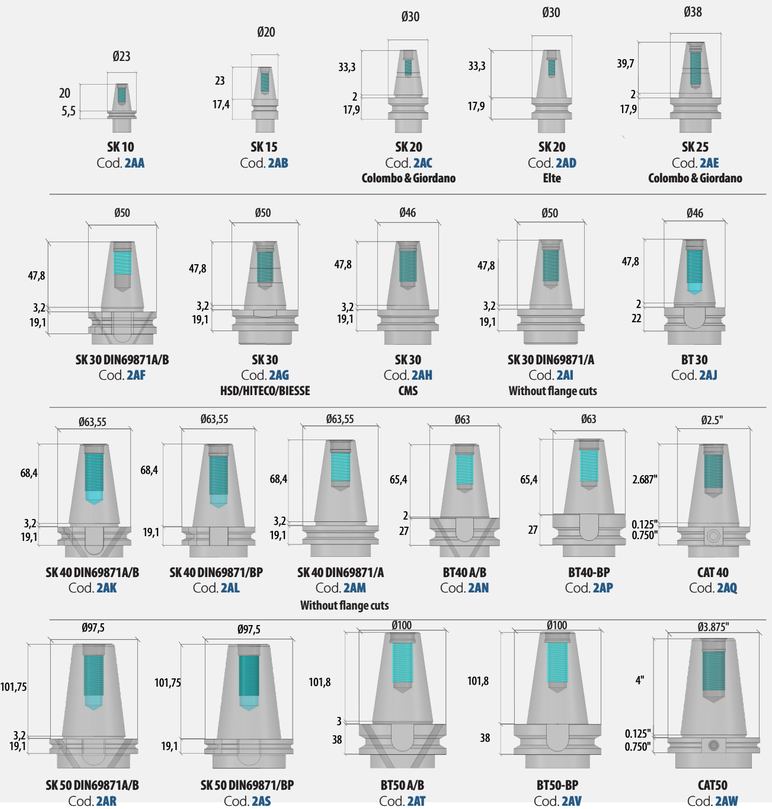
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

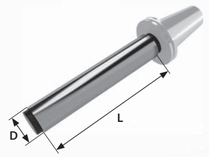
*See page 69 for the complete list of DIN manufacturing rules.



Test Bars

Test bars provide the maximum precision when performing centering inspections on the electrospindle.

Part code	Description	D	L	Connection	Balancing (RPM)
KU00	test bar	10	100	SK 10	70.000
KU01	test bar	15	100	SK 15	24.000
KU02	test bar	20	100	SK 20 "C&G" - SK 20 "ELTE"	50.000
KU03	test bar	25	150	SK 25 "C&G"	50.000
KU04	test bar	30	200	SK 30 DIN 69871A/B - BT 30	24.000
KU05	test bar	30	300	SK 30 DIN 69871A/B - BT 30	24.000
KU06	test bar	40	200	SK 40 DIN 69871A/B -SK 40 DIN 69871/BP	24.000
KU07	test bar	40	300	SK 40 DIN 69871A/B -SK 40 DIN 69871/BP	24.000
KU06	test bar	40	200	BT 40A/B - BT 40/BP - CAT 40	24.000
KU07	test bar	40	300	BT 40A/B - BT 40/BP - CAT 40	24.000
KU08	test bar	50	200	SK 50 DIN 69871A/B -SK 50 DIN 69871/BP	24.000
KU09	test bar	50	300	SK 50 DIN 69871A/B -SK 50 DIN 69871/BP	24.000
KU08	test bar	50	200	BT 50A/B - BT 50/BP - CAT 50	24.000
KU09	test bar	50	300	BT 50A/B - BT 50/BP - CAT 50	24.000



MANUFACTURING MATERIAL

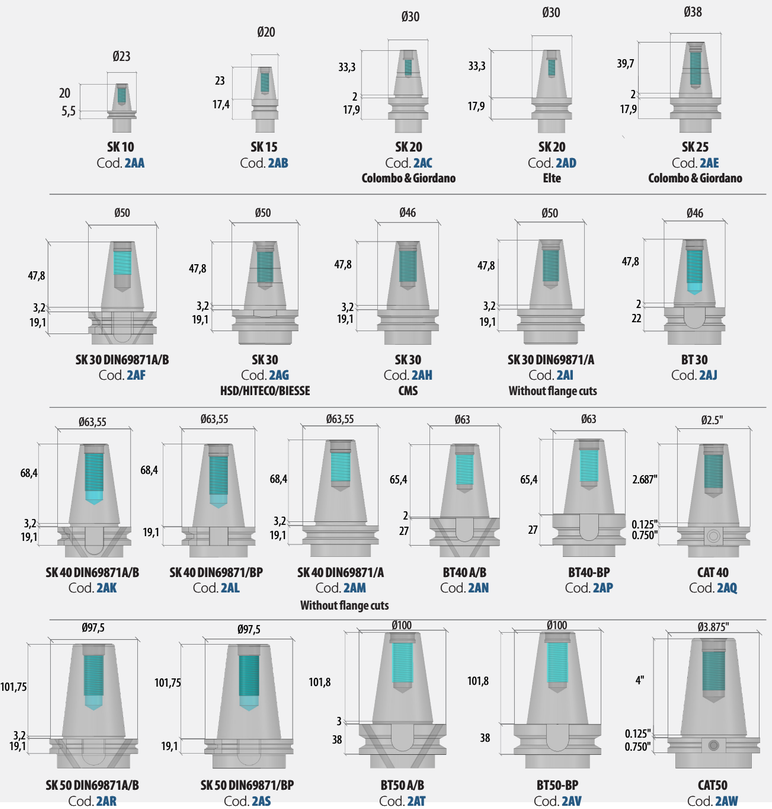
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

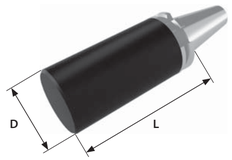
*See page 69 for the complete list of DIN manufacturing rules.



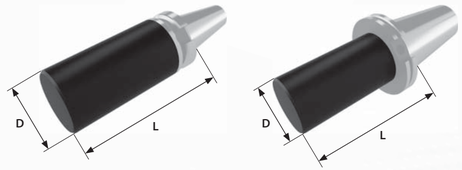
Blank Bars

Tool holders with finished machine connection and untempered bodies, for the manufacturing of mono-block tools.

page 200 page 223



Part code	Description	D	L	Connection	Balancing (RPM)
KV00	blank bar	50	200	SK 30 DIN 69871A/B	15.000
KV00	blank bar	50	200	SK 30 DIN 69871/A W/O FLANGE CUTS	15.000
KV01	blank bar	46	300	BT 30	15.000
KV02	blank bar	63	200	SK 40 DIN 69871A/B	15.000
KV02	blank bar	63	200	SK 40 DIN 69871/A W/O FLANGE CUTS	15.000
KV02	blank bar	63	200	BT 40 A/B	15.000
KV02	blank bar	63	200	CAT 40	15.000
KV03	blank bar	97,5	300	SK 50 DIN 69871A/B	15.000
KV04	blank bar	100	300	BT 50 A/B	15.000
KV05	blank bar	97	300	CAT 50	15.000



MANUFACTURING MATERIAL

STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

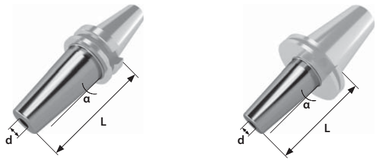
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders

With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L000	shrink fit tool holder	3	75	4°30'	SK 20 "C&G" - SK 20 "ELTE"	50.000
L000	shrink fit tool holder	3	75	4°30'	SK 25 "C&G"	50.000
L001	shrink fit tool holder	4	75	4°30'	SK 20 "C&G" - SK 20 "ELTE"	50.000
L001	shrink fit tool holder	4	75	4°30'	SK 25 "C&G"	50.000
L001	shrink fit tool holder	4	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L001	shrink fit tool holder	4	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L001	shrink fit tool holder	4	75	4°30'	SK 40 DIN 69871A/B	24.000
L001	shrink fit tool holder	4	75	4°30'	SK 40 DIN 69871/BP	24.000
L001	shrink fit tool holder	4	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L001	shrink fit tool holder	4	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L002	shrink fit tool holder	6	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L002	shrink fit tool holder	6	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L002	shrink fit tool holder	6	75	4°30'	SK 40 DIN 69871A/B	24.000
L002	shrink fit tool holder	6	75	4°30'	SK 40 DIN 69871/BP	24.000
L002	shrink fit tool holder	6	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L002	shrink fit tool holder	6	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L003	shrink fit tool holder	8	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L003	shrink fit tool holder	8	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L003	shrink fit tool holder	8	75	4°30'	SK 40 DIN 69871A/B	24.000
L003	shrink fit tool holder	8	75	4°30'	SK 40 DIN 69871/BP	24.000
L003	shrink fit tool holder	8	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L003	shrink fit tool holder	8	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L004	shrink fit tool holder	10	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L004	shrink fit tool holder	10	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L004	shrink fit tool holder	10	75	4°30'	SK 40 DIN 69871A/B	24.000
L004	shrink fit tool holder	10	75	4°30'	SK 40 DIN 69871/BP	24.000
L004	shrink fit tool holder	10	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L004	shrink fit tool holder	10	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L005	shrink fit tool holder	12	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L005	shrink fit tool holder	12	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L005	shrink fit tool holder	12	75	4°30'	SK 40 DIN 69871A/B	24.000
L005	shrink fit tool holder	12	75	4°30'	SK 40 DIN 69871/BP	24.000
L005	shrink fit tool holder	12	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L005	shrink fit tool holder	12	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L006	shrink fit tool holder	14	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L006	shrink fit tool holder	14	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L006	shrink fit tool holder	14	75	4°30'	SK 40 DIN 69871A/B	24.000
L006	shrink fit tool holder	14	75	4°30'	SK 40 DIN 69871/BP	24.000
L006	shrink fit tool holder	14	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L006	shrink fit tool holder	14	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L007	shrink fit tool holder	16	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L007	shrink fit tool holder	16	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L007	shrink fit tool holder	16	75	4°30'	SK 40 DIN 69871A/B	24.000
L007	shrink fit tool holder	16	75	4°30'	SK 40 DIN 69871/BP	24.000
L007	shrink fit tool holder	16	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L007	shrink fit tool holder	16	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L008	shrink fit tool holder	20	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L008	shrink fit tool holder	20	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L008	shrink fit tool holder	20	75	4°30'	SK 40 DIN 69871A/B	24.000
L008	shrink fit tool holder	20	75	4°30'	SK 40 DIN 69871/BP	24.000
L008	shrink fit tool holder	20	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L008	shrink fit tool holder	20	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L009	shrink fit tool holder	25	75	4°30'	SK 40 DIN 69871A/B	24.000
L009	shrink fit tool holder	25	75	4°30'	SK 40 DIN 69871/BP	24.000
L009	shrink fit tool holder	25	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L009	shrink fit tool holder	25	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L010	shrink fit tool holder	32	75	4°30'	SK 40 DIN 69871A/B	24.000
L010	shrink fit tool holder	32	75	4°30'	SK 40 DIN 69871/BP	24.000

● MANUFACTURING MATERIAL

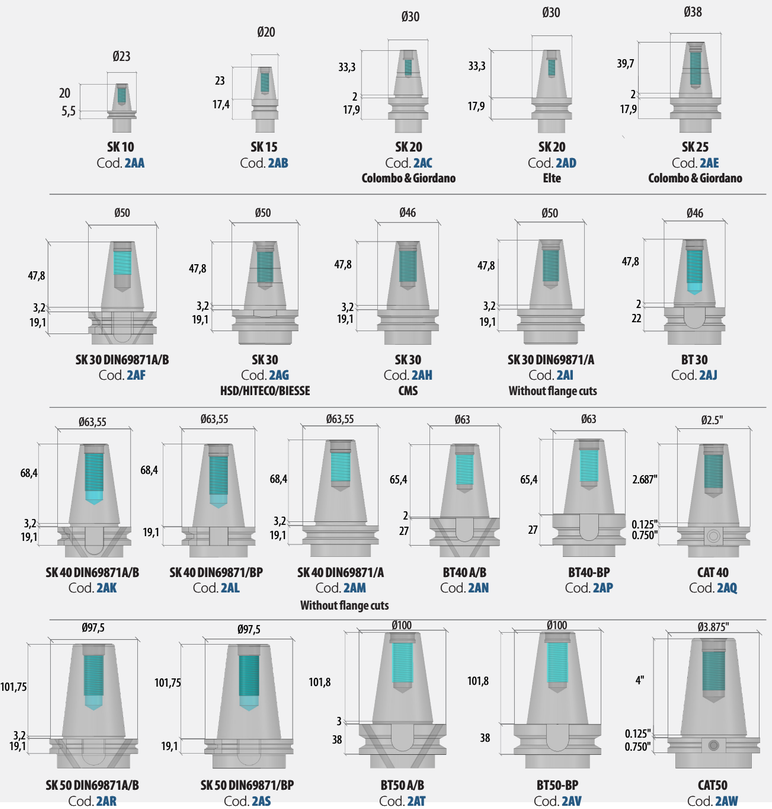
STEEL

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

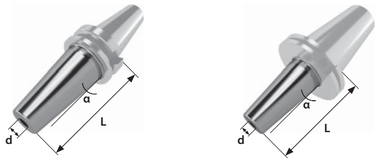
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Shrink Fit Tool Holders

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L010	shrink fit tool holder	32	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L010	shrink fit tool holder	32	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	SK 40 DIN 69871A/B	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	SK 40 DIN 69871/BP	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L011	shrink fit tool holder	1/4"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	SK 40 DIN 69871A/B	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	SK 40 DIN 69871/BP	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L012	shrink fit tool holder	3/8"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	SK 40 DIN 69871A/B	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	SK 40 DIN 69871/BP	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L013	shrink fit tool holder	1/2"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	SK 40 DIN 69871A/B	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	SK 40 DIN 69871/BP	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L014	shrink fit tool holder	5/8"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	SK 40 DIN 69871A/B	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	SK 40 DIN 69871/BP	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L015	shrink fit tool holder	3/4"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L016	shrink fit tool holder	1"	75	4°30'	SK 30 DIN 69871A/B - BT 30	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L016	shrink fit tool holder	1"	75	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L016	shrink fit tool holder	1"	75	4°30'	SK 40 DIN 69871A/B	24.000
L016	shrink fit tool holder	1"	75	4°30'	SK 40 DIN 69871/BP	24.000
L016	shrink fit tool holder	1"	75	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L016	shrink fit tool holder	1"	75	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 40 DIN 69871A/B	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 40 DIN 69871/BP	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L017	shrink fit tool holder	4	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 50 DIN 69871A/B	24.000
L017	shrink fit tool holder	4	90	4°30'	SK 50 DIN 69871/BP	24.000
L017	shrink fit tool holder	4	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 40 DIN 69871A/B	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 40 DIN 69871/BP	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L018	shrink fit tool holder	6	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 50 DIN 69871A/B	24.000
L018	shrink fit tool holder	6	90	4°30'	SK 50 DIN 69871/BP	24.000
L018	shrink fit tool holder	6	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 40 DIN 69871A/B	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 40 DIN 69871/BP	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L019	shrink fit tool holder	8	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 50 DIN 69871A/B	24.000
L019	shrink fit tool holder	8	90	4°30'	SK 50 DIN 69871/BP	24.000
L019	shrink fit tool holder	8	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000

SK
BT
CAT

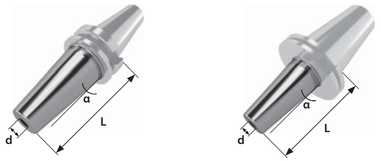
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L020	shrink fit tool holder	10	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 40 DIN 69871A/B	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 40 DIN 69871/BP	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L020	shrink fit tool holder	10	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 50 DIN 69871A/B	24.000
L020	shrink fit tool holder	10	90	4°30'	SK 50 DIN 69871/BP	24.000
L020	shrink fit tool holder	10	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 40 DIN 69871A/B	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 40 DIN 69871/BP	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L021	shrink fit tool holder	12	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 50 DIN 69871A/B	24.000
L021	shrink fit tool holder	12	90	4°30'	SK 50 DIN 69871/BP	24.000
L021	shrink fit tool holder	12	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 40 DIN 69871A/B	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 40 DIN 69871/BP	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L022	shrink fit tool holder	14	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 50 DIN 69871A/B	24.000
L022	shrink fit tool holder	14	90	4°30'	SK 50 DIN 69871/BP	24.000
L022	shrink fit tool holder	14	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 40 DIN 69871A/B	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 40 DIN 69871/BP	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L023	shrink fit tool holder	16	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L023	shrink fit tool holder	16	90	4°30'	SK 50 DIN 69871A/B	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L023	shrink fit tool holder	16	90	4°30'	SK 50 DIN 69871/BP	24.000
L023	shrink fit tool holder	16	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 40 DIN 69871A/B	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 40 DIN 69871/BP	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L024	shrink fit tool holder	18	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 50 DIN 69871A/B	24.000
L024	shrink fit tool holder	18	90	4°30'	SK 50 DIN 69871/BP	24.000
L024	shrink fit tool holder	18	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 40 DIN 69871A/B	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 40 DIN 69871/BP	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L025	shrink fit tool holder	20	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 50 DIN 69871A/B	24.000
L025	shrink fit tool holder	20	90	4°30'	SK 50 DIN 69871/BP	24.000
L025	shrink fit tool holder	20	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L026	shrink fit tool holder	25	90	4°30'	SK 40 DIN 69871A/B	24.000
L026	shrink fit tool holder	25	90	4°30'	SK 40 DIN 69871/BP	24.000
L026	shrink fit tool holder	25	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L026	shrink fit tool holder	25	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L026	shrink fit tool holder	25	90	4°30'	SK 50 DIN 69871A/B	24.000
L026	shrink fit tool holder	25	90	4°30'	SK 50 DIN 69871/BP	24.000
L026	shrink fit tool holder	25	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L027	shrink fit tool holder	32	90	4°30'	SK 40 DIN 69871A/B	24.000
L027	shrink fit tool holder	32	90	4°30'	SK 40 DIN 69871/BP	24.000
L027	shrink fit tool holder	32	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L027	shrink fit tool holder	32	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L027	shrink fit tool holder	32	90	4°30'	SK 50 DIN 69871A/B	24.000
L027	shrink fit tool holder	32	90	4°30'	SK 50 DIN 69871/BP	24.000

SK
BT
CAT

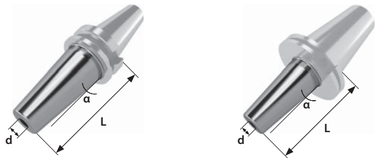
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L027	shrink fit tool holder	32	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 40 DIN 69871A/B	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 40 DIN 69871/BP	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 50 DIN 69871A/B	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	SK 50 DIN 69871/BP	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L028	shrink fit tool holder	1/4"	90	4°30'	CAT 50	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 40 DIN 69871A/B	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 40 DIN 69871/BP	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 50 DIN 69871A/B	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	SK 50 DIN 69871/BP	24.000
L029	shrink fit tool holder	3/8"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 40 DIN 69871A/B	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 40 DIN 69871/BP	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 50 DIN 69871A/B	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	SK 50 DIN 69871/BP	24.000
L030	shrink fit tool holder	1/2"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 40 DIN 69871A/B	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 40 DIN 69871/BP	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
L031	shrink fit tool holder	5/8"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 50 DIN 69871A/B	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	SK 50 DIN 69871/BP	24.000
L031	shrink fit tool holder	5/8"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 40 DIN 69871A/B	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 40 DIN 69871/BP	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 50 DIN 69871A/B	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	SK 50 DIN 69871/BP	24.000
L032	shrink fit tool holder	3/4"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 30 DIN 69871A/B	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 40 DIN 69871A/B	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 40 DIN 69871/BP	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
L033	shrink fit tool holder	1"	90	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 50 DIN 69871A/B	24.000
L033	shrink fit tool holder	1"	90	4°30'	SK 50 DIN 69871/BP	24.000
L033	shrink fit tool holder	1"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
L034	shrink fit tool holder	1-1/2"	90	4°30'	SK 50 DIN 69871A/B	24.000
L034	shrink fit tool holder	1-1/2"	90	4°30'	SK 50 DIN 69871/BP	24.000
L034	shrink fit tool holder	1-1/2"	90	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

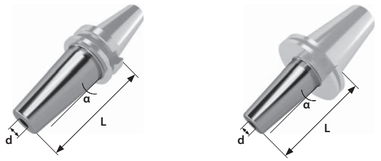
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Extended version

With run out specs up to ten times better than the collet chucks, the Shrink Fit Tool Holders are the most precise and the most reliable holding systems for high speed operations.

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M000	shrink fit tool holder	4	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 40 DIN 69871A/B	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 40 DIN 69871/BP	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M000	shrink fit tool holder	4	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 50 DIN 69871A/B	24.000
M000	shrink fit tool holder	4	120	4°30'	SK 50 DIN 69871/BP	24.000
M000	shrink fit tool holder	4	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 40 DIN 69871A/B	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 40 DIN 69871/BP	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M001	shrink fit tool holder	6	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 50 DIN 69871A/B	24.000
M001	shrink fit tool holder	6	120	4°30'	SK 50 DIN 69871/BP	24.000
M001	shrink fit tool holder	6	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 40 DIN 69871A/B	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 40 DIN 69871/BP	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M002	shrink fit tool holder	8	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 50 DIN 69871A/B	24.000
M002	shrink fit tool holder	8	120	4°30'	SK 50 DIN 69871/BP	24.000
M002	shrink fit tool holder	8	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 40 DIN 69871A/B	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 40 DIN 69871/BP	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M003	shrink fit tool holder	10	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M003	shrink fit tool holder	10	120	4°30'	SK 50 DIN 69871A/B	24.000
M003	shrink fit tool holder	10	120	4°30'	SK 50 DIN 69871/BP	24.000
M003	shrink fit tool holder	10	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 40 DIN 69871A/B	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 40 DIN 69871/BP	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M004	shrink fit tool holder	12	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 50 DIN 69871A/B	24.000
M004	shrink fit tool holder	12	120	4°30'	SK 50 DIN 69871/BP	24.000
M004	shrink fit tool holder	12	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 40 DIN 69871A/B	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 40 DIN 69871/BP	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M005	shrink fit tool holder	14	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 50 DIN 69871A/B	24.000
M005	shrink fit tool holder	14	120	4°30'	SK 50 DIN 69871/BP	24.000
M005	shrink fit tool holder	14	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 40 DIN 69871A/B	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 40 DIN 69871/BP	24.000

● MANUFACTURING MATERIAL

STEEL

SK
BT
CAT

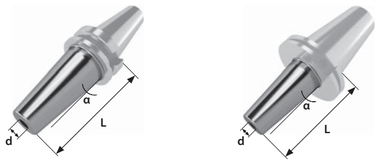
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Extended version

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M006	shrink fit tool holder	16	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M006	shrink fit tool holder	16	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 50 DIN 69871A/B	24.000
M006	shrink fit tool holder	16	120	4°30'	SK 50 DIN 69871/BP	24.000
M006	shrink fit tool holder	16	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 40 DIN 69871A/B	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 40 DIN 69871/BP	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M007	shrink fit tool holder	18	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 50 DIN 69871A/B	24.000
M007	shrink fit tool holder	18	120	4°30'	SK 50 DIN 69871/BP	24.000
M007	shrink fit tool holder	18	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 40 DIN 69871A/B	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 40 DIN 69871/BP	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M008	shrink fit tool holder	20	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 50 DIN 69871A/B	24.000
M008	shrink fit tool holder	20	120	4°30'	SK 50 DIN 69871/BP	24.000
M008	shrink fit tool holder	20	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M009	shrink fit tool holder	25	120	4°30'	SK 40 DIN 69871A/B	24.000
M009	shrink fit tool holder	25	120	4°30'	SK 40 DIN 69871/BP	24.000
M009	shrink fit tool holder	25	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M009	shrink fit tool holder	25	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M009	shrink fit tool holder	25	120	4°30'	SK 50 DIN 69871A/B	24.000
M009	shrink fit tool holder	25	120	4°30'	SK 50 DIN 69871/BP	24.000
M009	shrink fit tool holder	25	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M010	shrink fit tool holder	32	120	4°30'	SK 40 DIN 69871A/B	24.000
M010	shrink fit tool holder	32	120	4°30'	SK 40 DIN 69871/BP	24.000
M010	shrink fit tool holder	32	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M010	shrink fit tool holder	32	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M010	shrink fit tool holder	32	120	4°30'	SK 50 DIN 69871A/B	24.000
M010	shrink fit tool holder	32	120	4°30'	SK 50 DIN 69871/BP	24.000
M010	shrink fit tool holder	32	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 40 DIN 69871A/B	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 40 DIN 69871/BP	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 50 DIN 69871A/B	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	SK 50 DIN 69871/BP	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M011	shrink fit tool holder	1/4"	120	4°30'	CAT 50	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 40 DIN 69871A/B	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 40 DIN 69871/BP	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 50 DIN 69871A/B	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	SK 50 DIN 69871/BP	24.000
M012	shrink fit tool holder	3/8"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 40 DIN 69871A/B	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 40 DIN 69871/BP	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 50 DIN 69871A/B	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	SK 50 DIN 69871/BP	24.000
M013	shrink fit tool holder	1/2"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

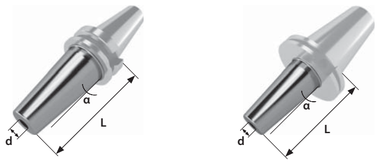
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Extended version

page 200 page 223

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M014	shrink fit tool holder	5/8"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 40 DIN 69871A/B	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 40 DIN 69871/BP	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 50 DIN 69871A/B	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	SK 50 DIN 69871/BP	24.000
M014	shrink fit tool holder	5/8"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 40 DIN 69871A/B	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 40 DIN 69871/BP	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 50 DIN 69871A/B	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	SK 50 DIN 69871/BP	24.000
M015	shrink fit tool holder	3/4"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 30 DIN 69871A/B	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 40 DIN 69871A/B	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 40 DIN 69871/BP	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M016	shrink fit tool holder	1"	120	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 50 DIN 69871A/B	24.000
M016	shrink fit tool holder	1"	120	4°30'	SK 50 DIN 69871/BP	24.000
M016	shrink fit tool holder	1"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M017	shrink fit tool holder	1-1/2"	120	4°30'	SK 50 DIN 69871A/B	24.000
M017	shrink fit tool holder	1-1/2"	120	4°30'	SK 50 DIN 69871/BP	24.000
M017	shrink fit tool holder	1-1/2"	120	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 40 DIN 69871A/B	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 40 DIN 69871/BP	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M018	shrink fit tool holder	4	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M018	shrink fit tool holder	4	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 50 DIN 69871A/B	24.000
M018	shrink fit tool holder	4	160	4°30'	SK 50 DIN 69871/BP	24.000
M018	shrink fit tool holder	4	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 40 DIN 69871A/B	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 40 DIN 69871/BP	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M019	shrink fit tool holder	6	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 50 DIN 69871A/B	24.000
M019	shrink fit tool holder	6	160	4°30'	SK 50 DIN 69871/BP	24.000
M019	shrink fit tool holder	6	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 40 DIN 69871A/B	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 40 DIN 69871/BP	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M020	shrink fit tool holder	8	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 50 DIN 69871A/B	24.000
M020	shrink fit tool holder	8	160	4°30'	SK 50 DIN 69871/BP	24.000
M020	shrink fit tool holder	8	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 40 DIN 69871A/B	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 40 DIN 69871/BP	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M021	shrink fit tool holder	10	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 50 DIN 69871A/B	24.000
M021	shrink fit tool holder	10	160	4°30'	SK 50 DIN 69871/BP	24.000
M021	shrink fit tool holder	10	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

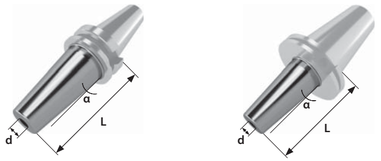
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Extended version

page 200 page 223

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M022	shrink fit tool holder	12	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 40 DIN 69871A/B	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 40 DIN 69871/BP	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M022	shrink fit tool holder	12	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 50 DIN 69871A/B	24.000
M022	shrink fit tool holder	12	160	4°30'	SK 50 DIN 69871/BP	24.000
M022	shrink fit tool holder	12	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 40 DIN 69871A/B	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 40 DIN 69871/BP	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M023	shrink fit tool holder	14	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 50 DIN 69871A/B	24.000
M023	shrink fit tool holder	14	160	4°30'	SK 50 DIN 69871/BP	24.000
M023	shrink fit tool holder	14	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 40 DIN 69871A/B	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 40 DIN 69871/BP	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M024	shrink fit tool holder	16	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 50 DIN 69871A/B	24.000
M024	shrink fit tool holder	16	160	4°30'	SK 50 DIN 69871/BP	24.000
M024	shrink fit tool holder	16	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 40 DIN 69871A/B	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 40 DIN 69871/BP	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M025	shrink fit tool holder	18	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M025	shrink fit tool holder	18	160	4°30'	SK 50 DIN 69871A/B	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M025	shrink fit tool holder	18	160	4°30'	SK 50 DIN 69871/BP	24.000
M025	shrink fit tool holder	18	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 40 DIN 69871A/B	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 40 DIN 69871/BP	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M026	shrink fit tool holder	20	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 50 DIN 69871A/B	24.000
M026	shrink fit tool holder	20	160	4°30'	SK 50 DIN 69871/BP	24.000
M026	shrink fit tool holder	20	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M027	shrink fit tool holder	25	160	4°30'	SK 40 DIN 69871A/B	24.000
M027	shrink fit tool holder	25	160	4°30'	SK 40 DIN 69871/BP	24.000
M027	shrink fit tool holder	25	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M027	shrink fit tool holder	25	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M027	shrink fit tool holder	25	160	4°30'	SK 50 DIN 69871A/B	24.000
M027	shrink fit tool holder	25	160	4°30'	SK 50 DIN 69871/BP	24.000
M027	shrink fit tool holder	25	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M028	shrink fit tool holder	32	160	4°30'	SK 40 DIN 69871A/B	24.000
M028	shrink fit tool holder	32	160	4°30'	SK 40 DIN 69871/BP	24.000
M028	shrink fit tool holder	32	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M028	shrink fit tool holder	32	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M028	shrink fit tool holder	32	160	4°30'	SK 50 DIN 69871A/B	24.000
M028	shrink fit tool holder	32	160	4°30'	SK 50 DIN 69871/BP	24.000
M028	shrink fit tool holder	32	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 40 DIN 69871A/B	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 40 DIN 69871/BP	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 50 DIN 69871A/B	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	SK 50 DIN 69871/BP	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

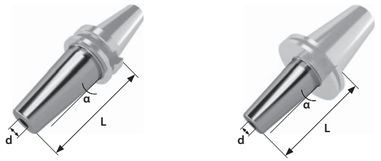
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Extended version

page 200 page 223

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M029	shrink fit tool holder	1/4"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M029	shrink fit tool holder	1/4"	160	4°30'	CAT 50	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 40 DIN 69871A/B	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 40 DIN 69871/BP	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 50 DIN 69871A/B	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	SK 50 DIN 69871/BP	24.000
M030	shrink fit tool holder	3/8"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 40 DIN 69871A/B	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 40 DIN 69871/BP	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 50 DIN 69871A/B	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	SK 50 DIN 69871/BP	24.000
M031	shrink fit tool holder	1/2"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 40 DIN 69871A/B	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 40 DIN 69871/BP	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 50 DIN 69871A/B	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	SK 50 DIN 69871/BP	24.000
M032	shrink fit tool holder	5/8"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 30 DIN 69871A/B - BT 30	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 40 DIN 69871A/B	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 40 DIN 69871/BP	24.000



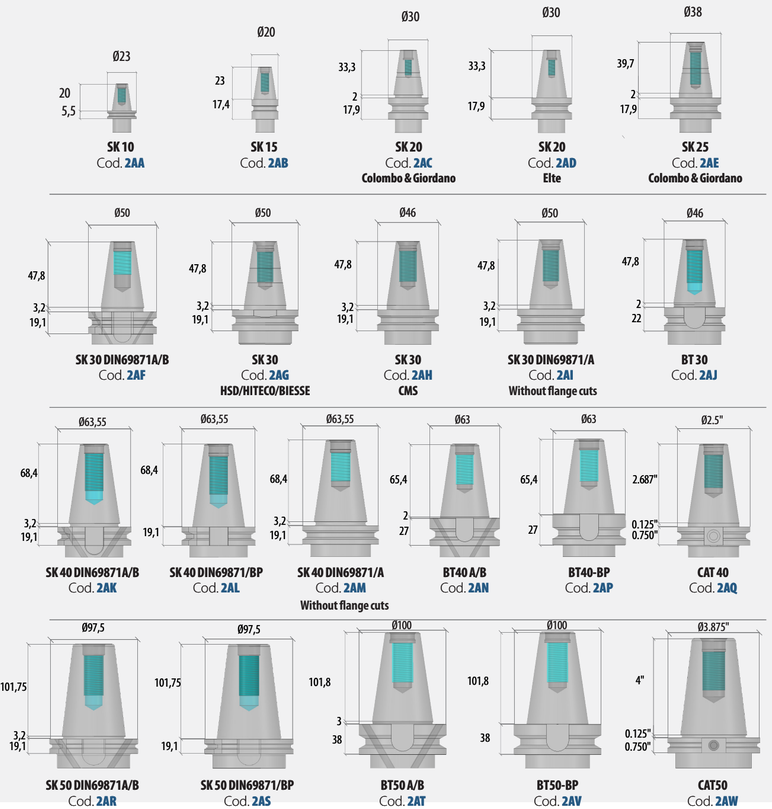
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
M033	shrink fit tool holder	3/4"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 50 DIN 69871A/B	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	SK 50 DIN 69871/BP	24.000
M033	shrink fit tool holder	3/4"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 30 DIN 69871A/B	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 40 DIN 69871A/B	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 40 DIN 69871/BP	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
M034	shrink fit tool holder	1"	160	4°30'	BT 40A/B - BT 40/BP - CAT 40	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 50 DIN 69871A/B	24.000
M034	shrink fit tool holder	1"	160	4°30'	SK 50 DIN 69871/BP	24.000
M034	shrink fit tool holder	1"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000
M035	shrink fit tool holder	1-1/2"	160	4°30'	SK 50 DIN 69871A/B	24.000
M035	shrink fit tool holder	1-1/2"	160	4°30'	SK 50 DIN 69871/BP	24.000
M035	shrink fit tool holder	1-1/2"	160	4°30'	BT 50A/B - BT 50/BP - CAT 50	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

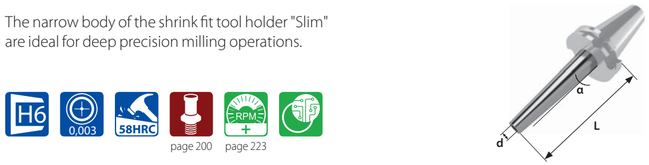
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

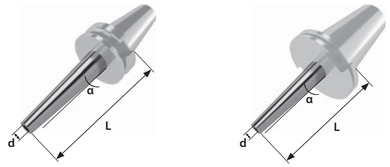


Shrink Fit Tool Holders - Slim version

The narrow body of the shrink fit tool holder "Slim" are ideal for deep precision milling operations.

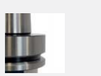


Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N000	shrink fit tool holder - slim version	3	75	3°	SK 20 "C&G" - SK 20 "ELTE"	50.000
N000	shrink fit tool holder - slim version	3	75	3°	SK 25 "C&G"	50.000
N001	shrink fit tool holder - slim version	4	75	3°	SK 20 "C&G" - SK 20 "ELTE"	50.000
N001	shrink fit tool holder - slim version	4	75	3°	SK 25 "C&G"	50.000
N002	shrink fit tool holder - slim version	4	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N002	shrink fit tool holder - slim version	4	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N003	shrink fit tool holder - slim version	6	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N003	shrink fit tool holder - slim version	6	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N004	shrink fit tool holder - slim version	8	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N004	shrink fit tool holder - slim version	8	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N005	shrink fit tool holder - slim version	10	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N005	shrink fit tool holder - slim version	10	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N006	shrink fit tool holder - slim version	12	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N006	shrink fit tool holder - slim version	12	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N007	shrink fit tool holder - slim version	14	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N007	shrink fit tool holder - slim version	14	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N008	shrink fit tool holder - slim version	16	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N008	shrink fit tool holder - slim version	16	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N009	shrink fit tool holder - slim version	18	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N009	shrink fit tool holder - slim version	18	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N010	shrink fit tool holder - slim version	20	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N010	shrink fit tool holder - slim version	20	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N011	shrink fit tool holder - slim version	1/4"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N011	shrink fit tool holder - slim version	1/4"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N012	shrink fit tool holder - slim version	3/8"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N012	shrink fit tool holder - slim version	3/8"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N013	shrink fit tool holder - slim version	1/2"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N013	shrink fit tool holder - slim version	1/2"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N014	shrink fit tool holder - slim version	5/8"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N014	shrink fit tool holder - slim version	5/8"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N015	shrink fit tool holder - slim version	3/4"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000
N015	shrink fit tool holder - slim version	3/4"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N016	shrink fit tool holder - slim version	1"	90	3°	SK 30 DIN 69871A/B - BT 30	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N016	shrink fit tool holder - slim version	1"	90	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 40 DIN 69871A/B	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 40 DIN 69871/BP	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N017	shrink fit tool holder - slim version	4	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 50 DIN 69871A/B	24.000
N017	shrink fit tool holder - slim version	4	120	3°	SK 50 DIN 69871/BP	24.000
N017	shrink fit tool holder - slim version	4	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 40 DIN 69871A/B	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 40 DIN 69871/BP	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N018	shrink fit tool holder - slim version	6	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 50 DIN 69871A/B	24.000
N018	shrink fit tool holder - slim version	6	120	3°	SK 50 DIN 69871/BP	24.000
N018	shrink fit tool holder - slim version	6	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 40 DIN 69871A/B	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 40 DIN 69871/BP	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N019	shrink fit tool holder - slim version	8	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000

● MANUFACTURING MATERIAL



STEEL

SK
BT
CAT

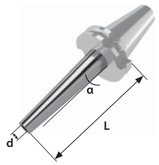
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

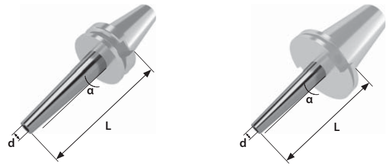
*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Slim version

page 200 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N019	shrink fit tool holder - slim version	8	120	3°	SK 50 DIN 69871A/B	24.000
N019	shrink fit tool holder - slim version	8	120	3°	SK 50 DIN 69871/BP	24.000
N019	shrink fit tool holder - slim version	8	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 40 DIN 69871A/B	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 40 DIN 69871/BP	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N020	shrink fit tool holder - slim version	10	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 50 DIN 69871A/B	24.000
N020	shrink fit tool holder - slim version	10	120	3°	SK 50 DIN 69871/BP	24.000
N020	shrink fit tool holder - slim version	10	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 40 DIN 69871A/B	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 40 DIN 69871/BP	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N021	shrink fit tool holder - slim version	12	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 50 DIN 69871A/B	24.000
N021	shrink fit tool holder - slim version	12	120	3°	SK 50 DIN 69871/BP	24.000
N021	shrink fit tool holder - slim version	12	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 40 DIN 69871A/B	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 40 DIN 69871/BP	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N022	shrink fit tool holder - slim version	14	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 50 DIN 69871A/B	24.000
N022	shrink fit tool holder - slim version	14	120	3°	SK 50 DIN 69871/BP	24.000
N022	shrink fit tool holder - slim version	14	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 40 DIN 69871A/B	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N023	shrink fit tool holder - slim version	16	120	3°	SK 40 DIN 69871/BP	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N023	shrink fit tool holder - slim version	16	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 50 DIN 69871A/B	24.000
N023	shrink fit tool holder - slim version	16	120	3°	SK 50 DIN 69871/BP	24.000
N023	shrink fit tool holder - slim version	16	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 40 DIN 69871A/B	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 40 DIN 69871/BP	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N024	shrink fit tool holder - slim version	18	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 50 DIN 69871A/B	24.000
N024	shrink fit tool holder - slim version	18	120	3°	SK 50 DIN 69871/BP	24.000
N024	shrink fit tool holder - slim version	18	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 40 DIN 69871A/B	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 40 DIN 69871/BP	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N025	shrink fit tool holder - slim version	20	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 50 DIN 69871A/B	24.000
N025	shrink fit tool holder - slim version	20	120	3°	SK 50 DIN 69871/BP	24.000
N025	shrink fit tool holder - slim version	20	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N026	shrink fit tool holder - slim version	25	120	3°	SK 40 DIN 69871A/B	24.000
N026	shrink fit tool holder - slim version	25	120	3°	SK 40 DIN 69871/BP	24.000
N026	shrink fit tool holder - slim version	25	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N026	shrink fit tool holder - slim version	25	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N026	shrink fit tool holder - slim version	25	120	3°	SK 50 DIN 69871A/B	24.000
N026	shrink fit tool holder - slim version	25	120	3°	SK 50 DIN 69871/BP	24.000
N026	shrink fit tool holder - slim version	25	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N027	shrink fit tool holder - slim version	32	120	3°	SK 40 DIN 69871A/B	24.000
N027	shrink fit tool holder - slim version	32	120	3°	SK 40 DIN 69871/BP	24.000

SK
BT
CAT

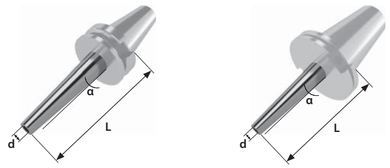
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Slim version

Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N027	shrink fit tool holder - slim version	32	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N027	shrink fit tool holder - slim version	32	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N027	shrink fit tool holder - slim version	32	120	3°	SK 50 DIN 69871A/B	24.000
N027	shrink fit tool holder - slim version	32	120	3°	SK 50 DIN 69871/BP	24.000
N027	shrink fit tool holder - slim version	32	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 40 DIN 69871A/B	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 40 DIN 69871/BP	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 50 DIN 69871A/B	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	SK 50 DIN 69871/BP	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N028	shrink fit tool holder - slim version	1/4"	120	3°	CAT 50	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 40 DIN 69871A/B	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 40 DIN 69871/BP	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 50 DIN 69871A/B	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	SK 50 DIN 69871/BP	24.000
N029	shrink fit tool holder - slim version	3/8"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 40 DIN 69871A/B	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 40 DIN 69871/BP	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 50 DIN 69871A/B	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	SK 50 DIN 69871/BP	24.000
N030	shrink fit tool holder - slim version	1/2"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 40 DIN 69871A/B	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 40 DIN 69871/BP	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 50 DIN 69871A/B	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	SK 50 DIN 69871/BP	24.000
N031	shrink fit tool holder - slim version	5/8"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 30 DIN 69871A/B - BT 30	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 40 DIN 69871A/B	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 40 DIN 69871/BP	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 50 DIN 69871A/B	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	SK 50 DIN 69871/BP	24.000
N032	shrink fit tool holder - slim version	3/4"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 30 DIN 69871A/B	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 40 DIN 69871A/B	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 40 DIN 69871/BP	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 50 DIN 69871A/B	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	SK 50 DIN 69871/BP	24.000
N033	shrink fit tool holder - slim version	1"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N034	shrink fit tool holder - slim version	1-1/2"	120	3°	SK 50 DIN 69871A/B	24.000
N034	shrink fit tool holder - slim version	1-1/2"	120	3°	SK 50 DIN 69871/BP	24.000
N034	shrink fit tool holder - slim version	1-1/2"	120	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N035	shrink fit tool holder - slim version	4	160	3°	SK 40 DIN 69871A/B	24.000
N035	shrink fit tool holder - slim version	4	160	3°	SK 40 DIN 69871/BP	24.000
N035	shrink fit tool holder - slim version	4	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000

SK
BT
CAT

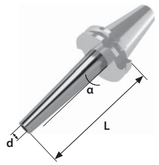
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

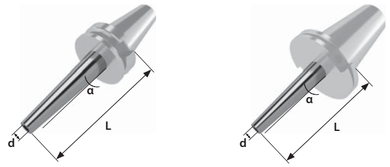
*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Slim version

page 200 page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N035	shrink fit tool holder - slim version	4	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N035	shrink fit tool holder - slim version	4	160	3°	SK 50 DIN 69871A/B	24.000
N035	shrink fit tool holder - slim version	4	160	3°	SK 50 DIN 69871/BP	24.000
N035	shrink fit tool holder - slim version	4	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N036	shrink fit tool holder - slim version	6	160	3°	SK 40 DIN 69871A/B	24.000
N036	shrink fit tool holder - slim version	6	160	3°	SK 40 DIN 69871/BP	24.000
N036	shrink fit tool holder - slim version	6	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N036	shrink fit tool holder - slim version	6	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N036	shrink fit tool holder - slim version	6	160	3°	SK 50 DIN 69871A/B	24.000
N036	shrink fit tool holder - slim version	6	160	3°	SK 50 DIN 69871/BP	24.000
N036	shrink fit tool holder - slim version	6	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N037	shrink fit tool holder - slim version	8	160	3°	SK 40 DIN 69871A/B	24.000
N037	shrink fit tool holder - slim version	8	160	3°	SK 40 DIN 69871/BP	24.000
N037	shrink fit tool holder - slim version	8	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N037	shrink fit tool holder - slim version	8	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N037	shrink fit tool holder - slim version	8	160	3°	SK 50 DIN 69871A/B	24.000
N037	shrink fit tool holder - slim version	8	160	3°	SK 50 DIN 69871/BP	24.000
N037	shrink fit tool holder - slim version	8	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N038	shrink fit tool holder - slim version	10	160	3°	SK 40 DIN 69871A/B	24.000
N038	shrink fit tool holder - slim version	10	160	3°	SK 40 DIN 69871/BP	24.000
N038	shrink fit tool holder - slim version	10	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N038	shrink fit tool holder - slim version	10	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N038	shrink fit tool holder - slim version	10	160	3°	SK 50 DIN 69871A/B	24.000
N038	shrink fit tool holder - slim version	10	160	3°	SK 50 DIN 69871/BP	24.000
N038	shrink fit tool holder - slim version	10	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N039	shrink fit tool holder - slim version	12	160	3°	SK 40 DIN 69871A/B	24.000
N039	shrink fit tool holder - slim version	12	160	3°	SK 40 DIN 69871/BP	24.000
N039	shrink fit tool holder - slim version	12	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N039	shrink fit tool holder - slim version	12	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N039	shrink fit tool holder - slim version	12	160	3°	SK 50 DIN 69871A/B	24.000
N039	shrink fit tool holder - slim version	12	160	3°	SK 50 DIN 69871/BP	24.000
N039	shrink fit tool holder - slim version	12	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N040	shrink fit tool holder - slim version	14	160	3°	SK 40 DIN 69871A/B	24.000



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N040	shrink fit tool holder - slim version	14	160	3°	SK 40 DIN 69871/BP	24.000
N040	shrink fit tool holder - slim version	14	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N040	shrink fit tool holder - slim version	14	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N040	shrink fit tool holder - slim version	14	160	3°	SK 50 DIN 69871A/B	24.000
N040	shrink fit tool holder - slim version	14	160	3°	SK 50 DIN 69871/BP	24.000
N040	shrink fit tool holder - slim version	14	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N041	shrink fit tool holder - slim version	16	160	3°	SK 40 DIN 69871A/B	24.000
N041	shrink fit tool holder - slim version	16	160	3°	SK 40 DIN 69871/BP	24.000
N041	shrink fit tool holder - slim version	16	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N041	shrink fit tool holder - slim version	16	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N041	shrink fit tool holder - slim version	16	160	3°	SK 50 DIN 69871A/B	24.000
N041	shrink fit tool holder - slim version	16	160	3°	SK 50 DIN 69871/BP	24.000
N041	shrink fit tool holder - slim version	16	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N042	shrink fit tool holder - slim version	18	160	3°	SK 40 DIN 69871A/B	24.000
N042	shrink fit tool holder - slim version	18	160	3°	SK 40 DIN 69871/BP	24.000
N042	shrink fit tool holder - slim version	18	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N042	shrink fit tool holder - slim version	18	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N042	shrink fit tool holder - slim version	18	160	3°	SK 50 DIN 69871A/B	24.000
N042	shrink fit tool holder - slim version	18	160	3°	SK 50 DIN 69871/BP	24.000
N042	shrink fit tool holder - slim version	18	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N043	shrink fit tool holder - slim version	20	160	3°	SK 40 DIN 69871A/B	24.000
N043	shrink fit tool holder - slim version	20	160	3°	SK 40 DIN 69871/BP	24.000
N043	shrink fit tool holder - slim version	20	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N043	shrink fit tool holder - slim version	20	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N043	shrink fit tool holder - slim version	20	160	3°	SK 50 DIN 69871A/B	24.000
N043	shrink fit tool holder - slim version	20	160	3°	SK 50 DIN 69871/BP	24.000
N043	shrink fit tool holder - slim version	20	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N044	shrink fit tool holder - slim version	25	160	3°	SK 40 DIN 69871A/B	24.000
N044	shrink fit tool holder - slim version	25	160	3°	SK 40 DIN 69871/BP	24.000
N044	shrink fit tool holder - slim version	25	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N044	shrink fit tool holder - slim version	25	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N044	shrink fit tool holder - slim version	25	160	3°	SK 50 DIN 69871A/B	24.000
N044	shrink fit tool holder - slim version	25	160	3°	SK 50 DIN 69871/BP	24.000

SK
BT
CAT

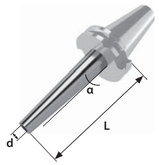
Part codes for available SK/BT/CAT CONNECTIONS*

To configure your toolholder you need to choose one of the following connections first.

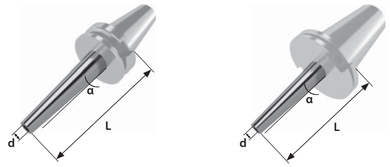
*See page 69 for the complete list of DIN manufacturing rules.

Shrink Fit Tool Holders - Slim version

H6 · 0,003 · 58HRC · page 200 · page 223



Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N044	shrink fit tool holder - slim version	25	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N045	shrink fit tool holder - slim version	32	160	3°	SK 40 DIN 69871A/B	24.000
N045	shrink fit tool holder - slim version	32	160	3°	SK 40 DIN 69871/BP	24.000
N045	shrink fit tool holder - slim version	32	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N045	shrink fit tool holder - slim version	32	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N045	shrink fit tool holder - slim version	32	160	3°	SK 50 DIN 69871A/B	24.000
N045	shrink fit tool holder - slim version	32	160	3°	SK 50 DIN 69871/BP	24.000
N045	shrink fit tool holder - slim version	32	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	SK 40 DIN 69871A/B	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	SK 40 DIN 69871/BP	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	SK 50 DIN 69871A/B	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	SK 50 DIN 69871/BP	24.000
N046	shrink fit tool holder - slim version	1/4"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	SK 40 DIN 69871A/B	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	SK 40 DIN 69871/BP	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	SK 50 DIN 69871A/B	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	SK 50 DIN 69871/BP	24.000
N047	shrink fit tool holder - slim version	3/8"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	SK 40 DIN 69871A/B	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	SK 40 DIN 69871/BP	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	SK 50 DIN 69871A/B	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	SK 50 DIN 69871/BP	24.000
N048	shrink fit tool holder - slim version	1/2"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	SK 40 DIN 69871A/B	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	SK 40 DIN 69871/BP	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000



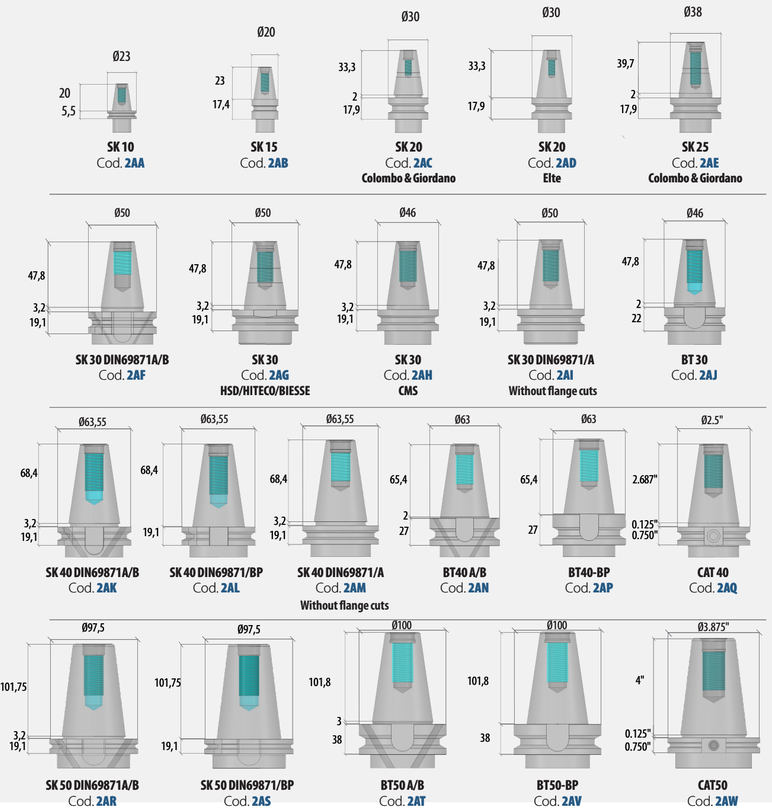
Part code	Description	d	L	Angle (α)	Connection	Balancing (RPM)
N049	shrink fit tool holder - slim version	5/8"	160	3°	SK 50 DIN 69871A/B	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	SK 50 DIN 69871/BP	24.000
N049	shrink fit tool holder - slim version	5/8"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	SK 40 DIN 69871A/B	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	SK 40 DIN 69871/BP	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	SK 50 DIN 69871A/B	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	SK 50 DIN 69871/BP	24.000
N050	shrink fit tool holder - slim version	3/4"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	SK 40 DIN 69871A/B	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	SK 40 DIN 69871/BP	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	SK 40 DIN 69871/A W/O FLANGE CUTS	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	BT 40A/B - BT 40/BP - CAT 40	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	SK 50 DIN 69871A/B	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	SK 50 DIN 69871/BP	24.000
N051	shrink fit tool holder - slim version	1"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000
N052	shrink fit tool holder - slim version	1-1/2"	160	3°	SK 50 DIN 69871A/B	24.000
N052	shrink fit tool holder - slim version	1-1/2"	160	3°	SK 50 DIN 69871/BP	24.000
N052	shrink fit tool holder - slim version	1-1/2"	160	3°	BT 50A/B - BT 50/BP - CAT 50	24.000

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

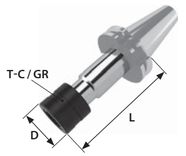
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Tap holders

Tap tools preferred clamping systems, for precise threading operations.



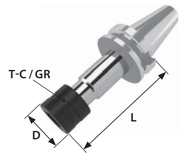
H6 · 58HRC · page 200 · page 223

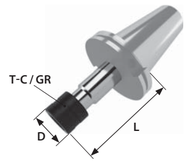
Part code	Description	D	L	T-C	GR	Connection	Balancing (RPM)
KX00	tap holder double compensation	32	90	7-5	1	SK 30 DIN 69871A/B	24.000
KX00	tap holder double compensation	32	90	7-5	1	SK 30 DIN 69871/A W/O FLANGE CUTS	24.000
KX00	tap holder double compensation	32	90	7-5	1	BT 30	24.000
KX00	tap holder double compensation	32	90	7-5	1	SK 40 DIN 69871A/B	24.000
KX00	tap holder double compensation	32	90	7-5	1	BT 40A/B	24.000
KX00	tap holder double compensation	32	90	7-5	1	CAT 40	24.000
KX00	tap holder double compensation	32	90	7-5	1	SK 50 DIN 69871A/B	24.000
KX00	tap holder double compensation	32	90	7-5	1	BT 50A/B	24.000
KX00	tap holder double compensation	32	90	7-5	1	CAT 50	24.000
KX01	tap holder double compensation	50	110	15-8	2	SK 40 DIN 69871A/B	24.000
KX01	tap holder double compensation	50	110	15-8	2	BT 40A/B	24.000
KX01	tap holder double compensation	50	110	15-8	2	CAT 40	24.000
KX01	tap holder double compensation	50	110	15-8	2	SK 50 DIN 69871A/B	24.000
KX01	tap holder double compensation	50	110	15-8	2	BT 50A/B	24.000
KX01	tap holder double compensation	50	110	15-8	2	CAT 50	24.000
KX02	tap holder double compensation	72	120	25-10	3	SK 50 DIN 69871A/B	24.000
KX02	tap holder double compensation	72	120	25-10	3	BT 50A/B	24.000
KX02	tap holder double compensation	72	120	25-10	3	CAT 50	24.000
KX03	tap holder double compensation	92	180	25-10	4	SK 50 DIN 69871A/B	24.000
KX03	tap holder double compensation	92	180	25-10	4	BT 50A/B	24.000
KX03	tap holder double compensation	92	180	25-10	4	CAT 50	24.000

MANUFACTURING MATERIAL

STEEL

Tapping specs





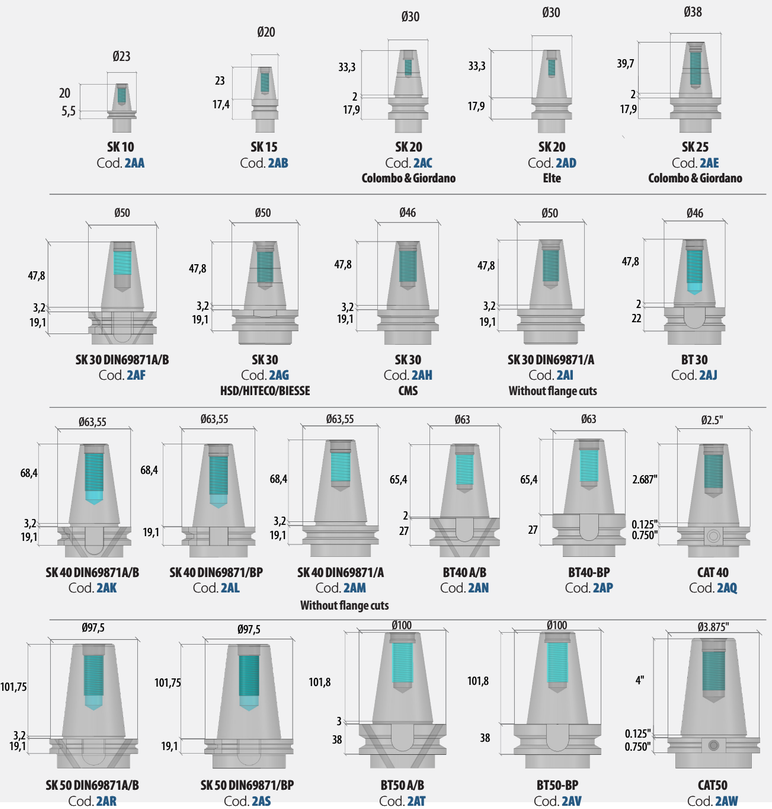
Tool Shaft	Standard DIN 352	Incr. DIN 371	Standard DIN 376	Standard ISO	Increased ISO	Tap Collet style
3.00 x 2.40	-	-	-	M 4.0	M 3.30	0
3.50 x 2.80	-	-	-	M 4.5	M 3.5	0 - 1
4.00 x 3.15	M 3.5	M 3.5	-	M 5.0	M 4.4	0 - 1
4.50 x 3.40	M 4.0	M 4.0	M 6.0	-	-	0 - 1
6.00 x 4.90	M 5.0	M 5.0	-	-	-	0 - 1 - 2
6.00 x 4.90	M 6.0	M 6.0	-	-	-	0 - 1 - 2
6.00 x 4.90	M 8.0	-	M 8.0	-	-	0 - 1 - 2
7.00 x 5.50	M 10.0	-	M 10.0	-	-	0 - 1 - 2
8.00 x 6.20	-	M 8.0	-	M 10.0	M 8.0	0 - 1 - 2
9.00 x 7.00	M 12.0	-	M 12.0	M 12.0	-	1 - 2
10.00 x 8.00	-	M 10.0	-	-	M 10.0	1 - 2
11.00 x 9.00	M 14.0	-	M 14.0	-	-	1 - 2 - 3
12.00 x 9.00	M 16.0	-	M 16.0	-	-	1 - 2 - 3
14.00 x 11.00	M 18.0	-	M 18.0	-	-	2 - 3
16.00 x 12.00	M 20.0	-	M 20.0	-	-	2 - 3
16.00 x 12.50	-	-	-	M 22.0	-	2 - 3
18.00 x 14.00	-	-	-	M 24.0	-	2 - 3
18.00 x 14.50	M 22.0	-	M 22.0	-	-	2 - 3
18.00 x 14.50	M 24.0	-	M 24.0	-	-	2 - 3
20.00 x 16.00	M 27.0	-	M 27.0	M 27.0	-	2 - 3
20.00 x 16.00	-	-	-	M 30.0	-	2 - 3
22.00 x 18.00	M 30.0	-	M 30.0	-	-	2 - 3
25.00 x 20.00	M 33.0	-	M 33.0	M 36.0	-	3
28.00 x 22.00	M 36.0	-	M 36.0	-	-	3
32.00 x 24.00	M 39.0	-	M 39.0	-	-	3
32.00 x 24.00	M 42.0	-	M 42.0	-	-	3
36.00 x 29.00	M 45.0	-	M 45.0	-	-	3
36.00 x 29.00	M 48.0	-	M 48.0	-	-	3

SK
BT
CAT

Part codes for available SK/BT/CAT CONNECTIONS*

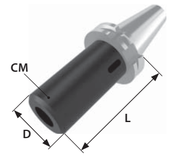
To configure your toolholder you need to choose one of the following connections first.

*See page 69 for the complete list of DIN manufacturing rules.



Morse Cone Reductions DIN 228

Reduction system for the use of bits and mills in lathes and machines equipped with morse cones.



H6 · 58HRC · page 200 · page 163 · page 223

Part code	Description	D	L	CM	Connection	Balancing (RPM)
KY00	morse cone reduction	35	60	1 P+F	SK 30 DIN 69871A/B	15.000
KY00	morse cone reduction	35	60	1 P+F	BT 30	15.000
KY01	morse cone reduction	35	70	1 P+F	SK 40 DIN 69871A/B	15.000
KY01	morse cone reduction	35	70	1 P+F	BT 40A/B	15.000
KY02	morse cone reduction	35	60	2 P+F	SK 30 DIN 69871A/B	15.000
KY02	morse cone reduction	35	60	2 P+F	BT 30	15.000
KY03	morse cone reduction	35	70	2 P+F	SK 40 DIN 69871A/B	15.000
KY03	morse cone reduction	35	70	2 P+F	SK 40 DIN 69871/BP	15.000
KY03	morse cone reduction	35	70	2 P+F	BT 40A/B	15.000
KY03	morse cone reduction	35	70	2 P+F	BT 40/BP	15.000
KY03	morse cone reduction	35	70	2 P+F	CAT 40	15.000
KY04	morse cone reduction	35	65	2 P+F	SK 50 DIN 69871A/B	15.000
KY04	morse cone reduction	35	65	2 P+F	BT 50A/B	15.000
KY04	morse cone reduction	35	65	2 P+F	CAT 50	15.000
KY05	morse cone reduction	42	90	3 P+F	SK 40 DIN 69871A/B	15.000
KY05	morse cone reduction	42	90	3 P+F	SK 40 DIN 69871/BP	15.000
KY05	morse cone reduction	42	90	3 P+F	BT 40A/B	15.000
KY05	morse cone reduction	42	90	3 P+F	BT 40/BP	15.000
KY05	morse cone reduction	42	90	3 P+F	CAT 40	15.000
KY06	morse cone reduction	42	70	3 P+F	SK 50 DIN 69871A/B	15.000
KY06	morse cone reduction	42	70	3 P+F	BT 50A/B	15.000
KY06	morse cone reduction	42	70	3 P+F	CAT 50	15.000
KY07	morse cone reduction	52	110	4 P+F	SK 40 DIN 69871A/B	15.000

Part code	Description	D	L	CM	Connection	Balancing (RPM)
KY07	morse cone reduction	52	110	4 P+F	SK 40 DIN 69871/BP	15.000
KY07	morse cone reduction	52	110	4 P+F	BT 40A/B	15.000
KY07	morse cone reduction	52	110	4 P+F	BT 40/BP	15.000
KY07	morse cone reduction	52	110	4 P+F	CAT 40	15.000
KY08	morse cone reduction	52	85	4 P+F	SK 50 DIN 69871A/B	15.000
KY08	morse cone reduction	52	85	4 P+F	BT 50A/B	15.000
KY08	morse cone reduction	52	85	4 P+F	CAT 50	15.000
KY09	morse cone reduction	70	108	5 P+F	SK 50 DIN 69871A/B	15.000
KY09	morse cone reduction	70	108	5 P+F	BT 50A/B	15.000
KY09	morse cone reduction	70	108	5 P+F	CAT 50	15.000

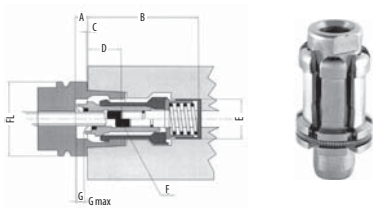
● MANUFACTURING MATERIAL

STEEL

Petal Collets HSK

Spindle gripper assembly for HSK spindles.
It ensures precise clamping and quick release of the tool holder.

page 222



SPINDLE GRIPPER ASSEMBLY FOR HSK SPINDLE STYLE A, C, E

Part code	Description	FL	A	B	C	D	E	F	G	Connection
AAN00	petal collet for electrospindle	HSK 25	6,5	40	0,5	5,5	14	CH3	7	HSK 25 A-C-E
AAN01	petal collet for electrospindle	HSK 32	8,5	62,5	0,5	19,5	17	CH3	7,5	HSK 32 A-C-E
AAN02	petal collet for electrospindle	HSK 40	8,5	78	0,5	27	21	CH4	8	HSK 40 A-C-E
AAN03	petal collet for electrospindle	HSK 50	10,5	84	0,5	26,5	26	CH4	9	HSK 50 A-C-E
AAN04	petal collet for electrospindle	HSK 63	10,5	94	0,5	31,5	34	CH5	10	HSK 63 A-C-E
AAN05	petal collet for electrospindle	HSK 80	13	98	0,5	31,5	42	CH6	11	HSK 80 A-C-E
AAN06	petal collet for electrospindle	HSK 100	13	124	0,5	34,5	53	CH6	12,5	HSK 100 A-C-E
AAN07	petal collet for electrospindle	HSK 125	16,5	149	0,5	40,5	67	CH14	15,8	HSK 125 A-C-E
AAN08	petal collet for electrospindle	HSK 160	17	188	1	56	85	CH16	24,5	HSK 160 A-C-E

SPINDLE GRIPPER ASSEMBLY FOR HSK SPINDLE STYLE B, D, F

Part code	Description	FL	A	B	C	D	E	F	G	Connection
AAN00	petal collet for electrospindle	HSK 32	6,5	40	0,5	5,5	14	CH3	7	HSK 32 B-D-F
AAN01	petal collet for electrospindle	HSK 40	8,5	62,5	0,5	19,5	17	CH3	7,5	HSK 40 B-D-F
AAN02	petal collet for electrospindle	HSK 50	8,5	78	0,5	27	21	CH4	8	HSK 50 B-D-F
AAN03	petal collet for electrospindle	HSK 63	10,5	84	0,5	26,5	26	CH4	9	HSK 63 B-D-F
AAN04	petal collet for electrospindle	HSK 80	10,5	94	0,5	31,5	34	CH5	10	HSK 80 B-D-F
AAN05	petal collet for electrospindle	HSK 100	13	98	0,5	31,5	42	CH6	11	HSK 100 B-D-F
AAN06	petal collet for electrospindle	HSK 125	13	124	0,5	34,5	53	CH6	12,5	HSK 125 B-D-F

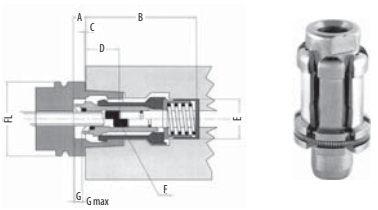
SPINDLE GRIPPER ASSEMBLY FOR HSK 85 S AND HSK 85 W

Part code	Description	FL	A	B	C	D	E	F	G	Connection
AAN09	petal collet for electrospindle	HSK 85S/W	10,5	89,5	0,5	31,5	34	CH5	7	HSK 85 S-W

Reduced Petal Collets HSK for refurbished spindles

Spindle gripper assembly for refurbished HSK spindles. It ensures precise clamping and quick release of the tool holder.

page 222



0.3/0.6 MM REDUCED PETAL COLLETS FOR REFURBISHED HSK A, C, E SPINDLES

Part code	Description	Before refurbishing	After refurbishing	Connection
AAN10	reduced petal collets - 0,3	18,5	18,2	HSK 25 A-C-E
AAN11	reduced petal collets - 0,3	30	29,7	HSK 32 A-C-E
AAN12	reduced petal collets - 0,3	44	43,7	HSK 40 A-C-E
AAN13	reduced petal collets - 0,3	45	44,7	HSK 50 A-C-E
AAN14	reduced petal collets - 0,3	52	51,7	HSK 63 A-C-E
AAN15	reduced petal collets - 0,3	56	55,7	HSK 80 A-C-E
AAN16	reduced petal collets - 0,3	70	69,7	HSK 100 A-C-E
AAN17	reduced petal collets - 0,6	18,5	17,9	HSK 25 A-C-E
AAN18	reduced petal collets - 0,6	30	29,4	HSK 32 A-C-E
AAN19	reduced petal collets - 0,6	44	43,4	HSK 40 A-C-E
AAN20	reduced petal collets - 0,6	45	44,4	HSK 50 A-C-E
AAN21	reduced petal collets - 0,6	52	51,4	HSK 63 A-C-E
AAN22	reduced petal collets - 0,6	56	55,4	HSK 80 A-C-E
AAN23	reduced petal collets - 0,6	70	69,4	HSK 100 A-C-E

0.3/0.6 MM REDUCED PETAL COLLETS FOR REFURBISHED HSK B, D, F SPINDLES

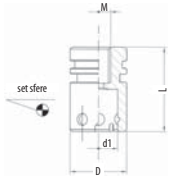
Part code	Description	Before refurbishing	After refurbishing	Connection
AAN10	reduced petal collets - 0,3	18,5	18,2	HSK 32 B-D-F
AAN11	reduced petal collets - 0,3	30	29,7	HSK 40 B-D-F
AAN12	reduced petal collets - 0,3	44	43,7	HSK 50 B-D-F
AAN13	reduced petal collets - 0,3	45	44,7	HSK 63 A-C-E
AAN14	reduced petal collets - 0,3	52	51,7	HSK 80 B-D-F
AAN15	reduced petal collets - 0,3	56	55,7	HSK 100 B-D-F
AAN16	reduced petal collets - 0,3	70	69,7	HSK 125 B-D-F
AAN17	reduced petal collets - 0,6	18,5	17,9	HSK 32 B-D-F
AAN18	reduced petal collets - 0,6	30	29,4	HSK 40 B-D-F
AAN19	reduced petal collets - 0,6	44	43,4	HSK 50 B-D-F
AAN20	reduced petal collets - 0,6	45	44,4	HSK 63 B-D-F
AAN21	reduced petal collets - 0,6	52	51,4	HSK 80 B-D-F
AAN22	reduced petal collets - 0,6	56	55,4	HSK 100 B-D-F
AAN23	reduced petal collets - 0,6	70	69,4	HSK 125 B-D-F

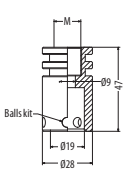
0.3/0.6 MM REDUCED PETAL COLLETS FOR REFURBISHED HSK 85S AND HSK 85W SPINDLES

Part code	Description	Before refurbishing	After refurbishing	Connection
AAN24	reduced petal collets - 0,3	47,2	46,9	HSK 85 S - HSK 85 W
AAN25	reduced petal collets - 0,6	47,2	46,9	HSK 85 S - HSK 85 W

Ball clamping systems for pull stud with radius SK/BT

Spindle locking system for SK/BT electrospindles hosting pull studs with radius. It ensures firm grip and quick release of the tool holder.





BALL CLAMPING SYSTEMS FOR PULL STUD WITH RADIUS

Part code	Description	angle/radius	d	Tipo	L	D	Connection
AAK00	ball clamping systems for pull stud with radius SK10	R	6	F.F.	18	10,5	SK 10
AAK01	ball clamping systems for pull stud with radius SK15	R	7	F.F.	25	11	SK 15
AAK02	ball clamping systems for pull stud with radius SK20	R	8	F.F.	30	14	SK 20
AAK03	ball clamping systems for pull stud with radius SK25	R	10	F.F.	40	16	SK 25
AAK04	ball clamping systems for pull stud SK30 DIN69872	15°	13	F.F.	50	18	SK 30
AAK05	ball clamping systems for pull stud with radius SK30 HSD	R	12	F.F.	50	18	SK 30
AAK06	ball clamping systems for pull stud BT30	30°	11	F.M.	55	18	BT 30
AAK07	ball clamping systems for pull stud BT30	45°	11	F.M.	55	18	BT 30
AAK08	ball clamping systems for pull stud SK40 DIN 69872	15°	19	F.F.	45	28	SK 40
AAK09	ball clamping systems for pull stud with radius SK40 HSD	R	19	F.F.	45	28	SK 40
AAK10	ball clamping systems for pull stud with radius SK40 HSD	R	19	F.F.	47	28	SK 40
AAK11	ball clamping systems for pull stud with radius SK40 HSD	R	19	F.F.	60	28	SK 40

SEALED BALL CLAMPING SYSTEMS FOR PULL STUD WITH RADIUS

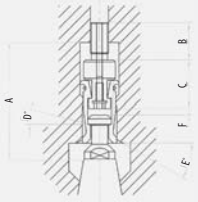
Part code	Description	angolo/raggio	d	Tipo	L	D	Connection
AAK12	ball clamping systems for pull stud with radius SK40	R	19	F.F.	117	28	SK 40

DOUBLE DIAMETER BALL CLAMPING SYSTEMS FOR PULL STUD WITH RADIUS

Part code	Description	angolo/raggio	d	Tipo	L	D	D2	Connection
AAK13	double diameter ball clamping systems for pull stud with radius for SK40	R	19	F.F.	45	28	18	SK 40

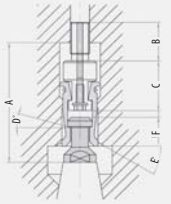
Petal Collets SK/BT/CAT

Spindle gripper assembly for SK/BT/CAT electrospindles. It ensures a tight clamping and a quick release for the toolholder.



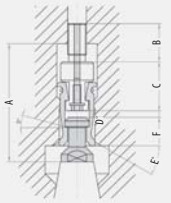
PETAL COLLET FOR SSK DIN69872/B TOOL HOLDERS

Part code	Description	A	B	C	D	E	F	Connection
AAP00	petal collet SSK20DIN for electrospindles	31	11	12	15°	30°	3	SK 20
AAP01	petal collet SSK25DIN for electrospindles	35	12	13,5	15°	30°	3,5	SK 25



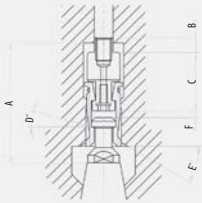
PETAL COLLET FOR SSKA DIN69872/B TOOL HOLDERS

Part code	Description	A	B	C	D	E	F	Connection
AAP02	petal collet SSKA30DIN for electrospindles	50	20	19,5	15°	30°	2,5	SK 30
AAP03	petal collet SSKA40DIN for electrospindles	76	22	34	15°	30°	3,5	SK 40
AAP04	petal collet SSKA45DIN for electrospindles	84	30	38	15°	30°	3,5	SK 45
AAP05	petal collet SSKA50DIN for electrospindles	95	30	45	15°	30°	3,5	SK 50
AAP06	petal collet SSKA60DIN for electrospindles	115	35	59,5	15°	30°	6,5	SK 60



PETAL COLLET FOR SSKKA DIN69872/B TOOL HOLDERS

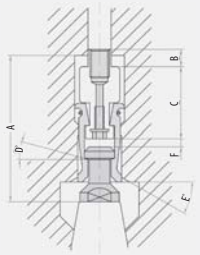
Part code	Description	A	B	C	D	E	F	Connection
AAP07	petal collet SSKKA30DIN for electrospindles	50	20	20,5	15°	30°	2,5	SK 30
AAP08	petal collet SSKKA40DIN for electrospindles	76	22	35,5	15°	30°	3,5	SK 40
AAP09	petal collet SSKKA45DIN for electrospindles	84	30	41,5	15°	30°	3,5	SK 45
AAP10	petal collet SSKKA50DIN for electrospindles	95	30	49,5	15°	30°	3,5	SK 50
AAP11	petal collet SSKKA60DIN for electrospindles	115	35	63,5	15°	30°	6,5	SK 60



PETAL COLLET FOR SSKIGA DIN69872/B TOOL HOLDERS

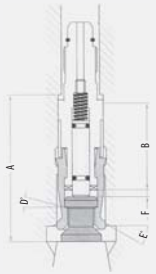
Part code	Description	A	B	C	D	E	F	Connection
AAP12	petal collet SSKIGA40DIN for electrospindles	76	11	34	15°	30°	5	SK 40
AAP13	petal collet SSKIGA45DIN for electrospindles	84	11	38	15°	30°	7	SK 45
AAP14	petal collet SSKIGA50DIN for electrospindles	95	11	45	15°	30°	8	SK 50
AAP15	petal collet SSKIGA60DIN for electrospindles	115	15	59,5	15°	30°	10,5	SK 60

Petal Collets SK/BT/CAT



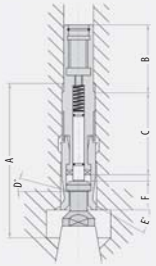
PETAL COLLET SSKIGKA DIN69872/B

Part code	Description	A	B	C	D	E	F	Connection
AAP16	petal collet SSKIGKA40DIN for electrospindles	76	11	35,5	15°	30°	4,5	SK40
AAP17	petal collet SSKIGKA45DIN for electrospindles	84	11	41,5	15°	30°	4,5	SK45
AAP18	petal collet SSKIGKA50DIN for electrospindles	95	11	49,5	15°	30°	5	SK50
AAP19	petal collet SSKIGKA60DIN for electrospindles	115	15	63,5	15°	30°	6,5	SK60



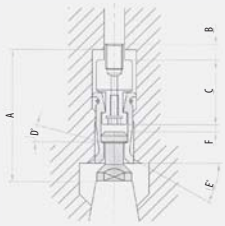
WATER TIGHT PETAL COLLET SSKIKA DIN69872/B

Part code	Description	A	B	D	E	F	Connection
AAP20	water tight petal collet SSKIKA40DIN	85	52	15°	30°	4,5	SK40
AAP21	water tight petal collet SSKIKA45DIN	100	60	15°	30°	4,5	SK45
AAP22	water tight petal collet SSKIKA50DIN	114	68	15°	30°	5	SK50
AAP23	water tight petal collet SSKIKA60DIN	145	90,5	15°	30°	6,5	SK60



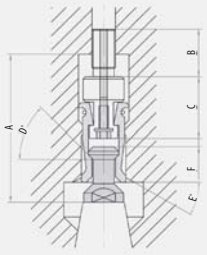
WATER TIGHT PETAL COLLET SSKIGIKA DIN69872/B

Codice	Descrizione	A	B	C	D	E	F	Attacco
AAP24	water tight petal collet SSKIGIKA40DIN	85	45	52	15°	30°	4	SK40
AAP25	water tight petal collet SSKIGIKA45DIN	100	50	60	15°	30°	7	SK45
AAP26	water tight petal collet SSKIGIKA50DIN	114	50	68	15°	30°	8	SK50
AAP27	water tight petal collet SSKIGIKA60DIN	145	50	90,5	15°	30°	10,5	SK60



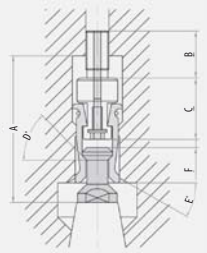
PETAL COLLET SSKIGKAPB DIN69872/B

Codice	Descrizione	A	B	C	D	E	F	Attacco
AAP28	petal collet SSKIGKAPB40DIN for electrospindles	82	11	40,5	15°	30°	4,5	SK40
AAP29	petal collet SSKIGKAPB45DIN for electrospindles	89	11	46,5	15°	30°	4,5	SK45
AAP30	petal collet SSKIGKAPB50DIN for electrospindles	90	15	52,5	15°	30°	5	SK50
AAP31	petal collet SSKIGKAPB60DIN for electrospindles	130	15	78,5	15°	30°	6,5	SK60



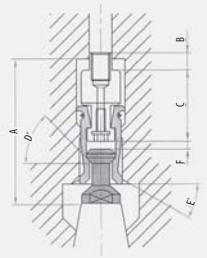
PETAL COLLET SSKA ANSI 7388/2B

Part code	Description	A	B	C	D	E	F	Connection
AAP32	petal collet SSKA30ANSI for electrospindles	50	20	33	45°	30°	2,5	SK30
AAP33	petal collet SSKA40ANSI for electrospindles	76	22	44,8	45°	30°	4,2	SK40
AAP34	petal collet SSKA45ANSI for electrospindles	84	30	48	45°	30°	6	SK45
AAP35	petal collet SSKA50ANSI for electrospindles	95	30	54,5	45°	30°	7	SK50
AAP36	petal collet SSKA60ANSI for electrospindles	115	35	62	45°	30°	10	SK60



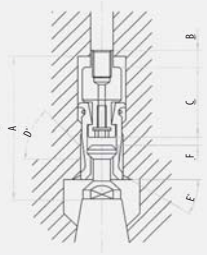
PETAL COLLET SSKKA ANSI 7388/2B

Part code	Description	A	B	C	D	E	F	Connection
AAP37	petal collet SSKKA30ANSI for electrospindles	50	20	-	45°	30°	4,5	SK30
AAP38	petal collet SSKKA40ANSI for electrospindles	76	22	45,5	45°	30°	7	SK40
AAP39	petal collet SSKKA45ANSI for electrospindles	84	30	50,5	45°	30°	7	SK45
AAP40	petal collet SSKKA50ANSI for electrospindles	95	30	58	45°	30°	8	SK50
AAP41	petal collet SSKKA60ANSI for electrospindles	115	35	65,4	45°	30°	15	SK60



PETAL COLLET SSKIGA ANSI 7388/2B

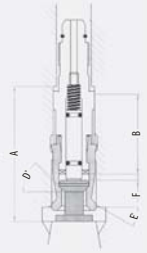
Part code	Description	A	B	C	D	E	F	Connection
AAP42	petal collet SSKIGA40ANSI for electrospindles	76	11	44,7	45°	30°	4,2	SK40
AAP43	petal collet SSKIGA45ANSI for electrospindles	84	11	48	45°	30°	6	SK45
AAP44	petal collet SSKIGA50ANSI for electrospindles	95	11	54,5	45°	30°	7	SK50
AAP45	petal collet SSKIGA60ANSI for electrospindles	115	15	62	45°	30°	10	SK60



PETAL COLLET SSKIGKA ANSI 7388/2B

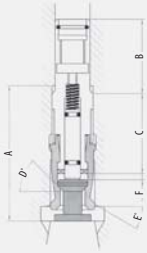
Part code	Description	A	B	C	D	E	F	Connection
AAP46	petal collet SSKIGKA40ANSI for electrospindles	76	11	45,4	45°	30°	4,5	SK40
AAP47	petal collet SSKIGKA45ANSI for electrospindles	84	11	50	45°	30°	4,5	SK45
AAP48	petal collet SSKIGKA50ANSI for electrospindles	95	11	58	45°	30°	5	SK50
AAP49	petal collet SSKIGKA60ANSI for electrospindles	115	15	65,4	45°	30°	6,5	SK60

Petal Collets SK/BT/CAT



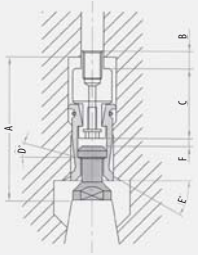
WATER TIGHT PETAL COLLET SSKIKA ANSI 7388/2B

Part code	Description	A	B	D	E	F	Connection
AAP50	water tight petal collet SSKIKA40ANSI	85	61,6	45°	30°	4,5	SK 40
AAP51	water tight petal collet SSKIKA45ANSI	100	70	45°	30°	4,5	SK 45
AAP52	water tight petal collet SSKIKA50ANSI	114	77,5	45°	30°	5	SK 50
AAP53	water tight petal collet SSKIKA60ANSI	145	93	45°	30°	6,5	SK 60



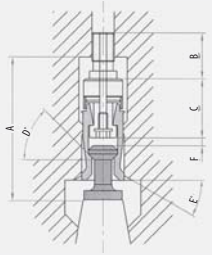
WATER TIGHT PETAL COLLET SSKIGIKA ANSI 7388/2B

Part code	Description	A	B	C	D	E	F	Connection
AAP54	petal collet SSKIGIKA40ANSI for electrospindles	85	45	61,6	45°	30°	4	SK 40
AAP55	petal collet SSKIGIKA45ANSI for electrospindles	100	50	70	45°	30°	6	SK 45
AAP56	petal collet SSKIGIKA50ANSI for electrospindles	114	50	77,5	45°	30°	7	SK 50
AAP57	petal collet SSKIGIKA60ANSI for electrospindles	145	50	93	45°	30°	10	SK 60



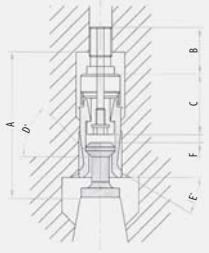
PETAL COLLET SSKIGKAPB ANSI 7388/2B

Part code	Description	A	B	C	D	E	F	Connection
AAP58	petal collet SSKIGKAPB40ANSI for electrospindles	82	11	50,5	45°	30°	4,5	SK 40
AAP59	petal collet SSKIGKAPB45ANSI for electrospindles	89	11	55,5	45°	30°	4,5	SK 45
AAP60	petal collet SSKIGKAPB50ANSI for electrospindles	90	15	61	45°	30°	5	SK 50
AAP61	petal collet SSKIGKAPB60ANSI for electrospindles	130	15	82,4	45°	30°	6,5	SK 60



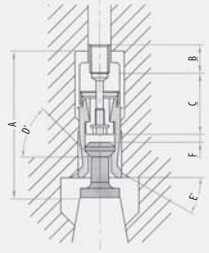
PETAL COLLET SSKABPT1

Part code	Description	A	B	C	D	E	F	Connection
AAP62	petal collet SSKA30BPT1 for electrospindles	48,5	20	20,5	45°	30°	3,5	BT 30
AAP63	petal collet SSKA40BPT1 for electrospindles	72	26	30	45°	30°	5	BT 40
AAP64	petal collet SSKA45BPT1 for electrospindles	82	32	33	45°	30°	7	BT 45
AAP65	petal collet SSKA50BPT1 for electrospindles	92,5	35	37	45°	30°	8	BT 50
AAP66	petal collet SSKA60BPT1 for electrospindles	127,5	15	49,5	45°	30°	10,5	BT 60



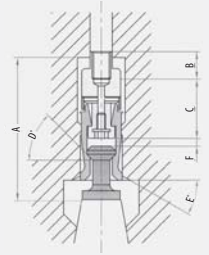
PETAL COLLET SSKKABPT1

Part code	Description	A	B	C	D	E	F	Connection
AAP67	petal collet SSKKA30BPT1 for electrospindles	48,5	20	21,5	45°	30°	2,5	BT 30
AAP68	petal collet SSKKA40BPT1 for electrospindles	72	26	31,5	45°	30°	3,5	BT 40
AAP69	petal collet SSKKA45BPT1 for electrospindles	82	32	36,5	45°	30°	3,5	BT 45
AAP70	petal collet SSKKA50BPT1 for electrospindles	92,5	35	41	45°	30°	4	BT 50
AAP71	petal collet SSKKA60BPT1 for electrospindles	127,5	40	55,5	45°	30°	4,5	BT 60



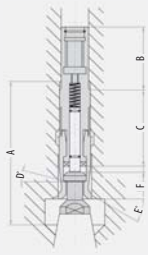
PETAL COLLET SSKIGABPT1

Part code	Description	A	B	C	D	E	F	Connection
AAP72	petal collet SSKIGA40BPT1 for electrospindles	72	11	30	45°	30°	5	BT 40
AAP73	petal collet SSKIGA45BPT1 for electrospindles	82	11	33	45°	30°	7	BT 45
AAP74	petal collet SSKIGA50BPT1 for electrospindles	92,5	15	37	45°	30°	8	BT 50
AAP75	petal collet SSKIGA60BPT1 for electrospindles	127,5	15	49,5	45°	30°	10,5	BT 60



PETAL COLLET SSKIGKABPT1

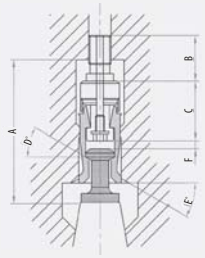
Part code	Description	A	B	C	D	E	F	Connection
AAP76	petal collet SSKIGKA40BPT1 for electrospindles	72	11	31,5	45°	30°	3,5	BT 40
AAP77	petal collet SSKIGKA45BPT1 for electrospindles	82	11	36,5	45°	30°	3,5	BT 45
AAP78	petal collet SSKIGKA50BPT1 for electrospindles	92,5	15	41	45°	30°	4	BT 50
AAP79	petal collet SSKIGKA60BPT1 for electrospindles	127,5	15	55,5	45°	30°	4,5	BT 60



WATER TIGHT PETAL COLLET SSKIGIKABPT1

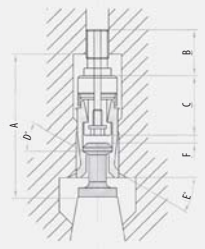
Part code	Description	A	B	C	D	E	F	Connection
AAP80	water tight petal collet SSKIGIKA40BPT1 for electrospindles	85	45	52	45°	30°	4	BT 40
AAP81	water tight petal collet SSKIGIKA40BPT1 for electrospindles	114	50	68	45°	30°	8	BT 50

Petal Collets SK/BT/CAT



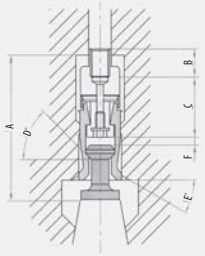
PETAL COLLET SSKABPT2

Part code	Description	A	B	C	D	E	F	Connection
AAP82	petal collet SSKA30BPT2 for electrospindles	48,5	20	20,5	30°	30°	3,5	BT 30
AAP83	petal collet SSKA40BPT2 for electrospindles	72	26	30	30°	30°	5	BT 40
AAP84	petal collet SSKA45BPT2 for electrospindles	82	32	33	30°	30°	7	BT 45
AAP85	petal collet SSKA50BPT2 for electrospindles	92,5	35	37	30°	30°	8	BT 50
AAP86	petal collet SSKA60BPT2 for electrospindles	127,5	40	49,5	30°	30°	10,5	BT 60



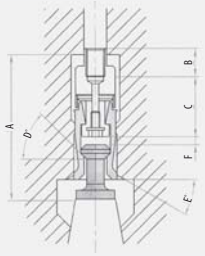
PETAL COLLET SSKKABPT2

Part code	Description	A	B	C	D	E	F	Connection
AAP87	petal collet SSKKA30BPT2 for electrospindles	48,5	20	21,5	30°	30°	2,5	BT 30
AAP88	petal collet SSKKA40BPT2 for electrospindles	72	26	31,5	30°	30°	3,5	BT 40
AAP89	petal collet SSKKA45BPT2 for electrospindles	82	32	36,5	30°	30°	3,5	BT 45
AAP90	petal collet SSKKA50BPT2 for electrospindles	92,5	35	41	30°	30°	4	BT 50
AAP91	petal collet SSKKA60BPT2 for electrospindles	127,5	40	55,5	30°	30°	4,5	BT 60



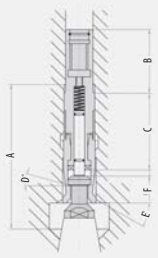
PETAL COLLET SSKIGABPT2

Part code	Description	A	B	C	D	E	F	Connection
AAP92	petal collet SSKIGA40BPT2 for electrospindles	72	11	30	30°	30°	5	BT 40
AAP93	petal collet SSKIGA45BPT2 for electrospindles	82	11	33	30°	30°	7	BT 45
AAP94	petal collet SSKIGA50BPT2 for electrospindles	92,5	15	37	30°	30°	8	BT 50
AAP95	petal collet SSKIGA60BPT2 for electrospindles	127,5	15	49,5	30°	30°	10,5	BT 60



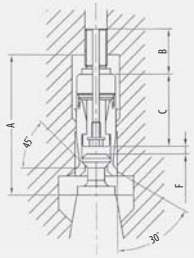
PETAL COLLET SSKIGKABPT2

Part code	Description	A	B	C	D	E	F	Connection
AAP96	petal collet SSKIGKA40BPT2 for electrospindles	72	11	31,5	30°	30°	3,5	BT 40
AAP97	petal collet SSKIGKA45BPT2 for electrospindles	82	11	36,5	30°	30°	3,5	BT 45
AAP98	petal collet SSKIGKA50BPT2 for electrospindles	92,5	15	41	30°	30°	4	BT 50
AAP99	petal collet SSKIGKA60BPT2 for electrospindles	127,5	15	55,5	30°	30°	4,5	BT 60



WATER TIGHT PETAL COLLET SSKIGIKABPT2

Part code	Description	A	B	C	D	E	F	Connection
AAQ00	water tight petal collet SSKIGIKA40BPT2	85	45	52	30°	30°	4	BT 40
AAQ01	water tight petal collet SSKIGIKA50BPT2	114	50	68	30°	30°	8	BT 50



WATER TIGHT PETAL COLLET SSKACAT

Part code	Description	A	B	C	F	Connection
AAQ02	petal collet SSKA30CAT for electrospindles	50	20	33	2,5	CAT 30
AAQ03	petal collet SSKA40CAT for electrospindles	82	26	50	4	CAT 40
AAQ04	petal collet SSKA50CAT for electrospindles	98	35	58	6,5	CAT 50

Standard Wrenches for collet nuts

IMS standard wrenches are the simplest and most affordable collet nut tightening systems. Thanks to their rubber handle they provide a firm grip and allow for stronger torque application.

HOOK WRENCH FOR ER/ETS COLLET NUT

Part code	Description	ER/ETS	D Collet nut
AAE00	hook wrench for collet nut	ER/ETS 25	42
AAE01	hook wrench for collet nut	ER/ETS 32	50
AAE02	hook wrench for collet nut	ER/ETS 40	63

HOOK WRENCH FOR EOC COLLET NUT

Part code	Description	EOC	D Collet nut
AAE41	hook wrench for collet nut	EOC 10	30
AAE42	hook wrench for collet nut	EOC 12	35
AAE43	hook wrench for collet nut	EOC 16	43
AAE44	hook wrench for collet nut	EOC 20	50
AAE45	hook wrench for collet nut	EOC 25	60
AAE46	hook wrench for collet nut	EOC 32	72
AAE47	hook wrench for collet nut	EOC 40	85

WRENCH FOR STANDARD ER/ETS COLLET NUT

Part code	Description	ER/ETS	D Collet nut
AAE04	wrench for collet nut	ER/ETS 16	32
AAE05	wrench for collet nut	ER/ETS 20	35
AAE06	wrench for collet nut	ER/ETS 25	42
AAE07	wrench for collet nut	ER/ETS 32	50
AAE08	wrench for collet nut	ER/ETS 40	63

WRENCH FOR GHIERE ER MINI COLLET NUT

Part code	Description	ER	D Collet nut
AAE09	wrench for mini collet nut	ER 8	12
AAE10	wrench for mini collet nut	ER 11	16
AAE11	wrench for mini collet nut	ER 16	22
AAE12	wrench for mini collet nut	ER 20	28
AAE13	wrench for mini collet nut	ER 25	35

Torque wrenches for collet nuts

IMS Torque Wrenches are essential instruments for the correct setting of the tool. They contribute in increasing the cut precision, improving the safety, and extending collets and collet nuts life. Thanks to the spring-loaded system, the torque applied during tool setting is ideal to avoid both damage to the components and excessive looseness of the tool.

page 175

TORQUE WRENCH FOR ER MINI COLLET NUT

Part code	Description	ER	D Collet nut	H
AAE14	torque wrench for mini collet nut	ER 8	12	117
AAE15	torque wrench for mini collet nut	ER 11	16	160
AAE16	torque wrench for mini collet nut	ER 16	22	175
AAE17	torque wrench for mini collet nut	ER 20	28	180
AAE18	torque wrench for mini collet nut	ER 25	35	185

TORQUE WRENCH FOR ER COLLET NUT

Part code	Description	ER	D Collet nut	H
AAE19	standard torque wrench collet nut	ER 16	32	300
AAE20	standard torque wrench collet nut	ER 20	35	300
AAE21	standard torque wrench collet nut	ER 25	42	470
AAE22	standard torque wrench collet nut	ER 32	50	470
AAE23	standard torque wrench collet nut	ER 40	63	470
AAE24	standard torque wrench collet nut	ER 50	78	470

TORQUE WRENCH FOR ER HEX COLLET NUT

Part code	Description	HEX Collect nut	H
AAE25	torque wrench for hex collet nut	HEX 14	161
AAE26	torque wrench for hex collet nut	HEX 17	168
AAE27	torque wrench for hex collet nut	HEX 22	194
AAE28	torque wrench for hex collet nut	HEX 25	324
AAE29	torque wrench for hex collet nut	HEX 30	330

ROLL BEARINGS TORQUE WRENCH FOR HIGH SPEED ER MINI COLLET NUT

Part code	Description	ER	D Collet nut	H
AAE30	roll bearings torque wrench for high speed mini collet nut	ER 8	12	117
AAE31	roll bearings torque wrench for high speed mini collet nut	ER 11	16	160
AAE32	roll bearings torque wrench for high speed mini collet nut	ER 16	22	175
AAE33	roll bearings torque wrench for high speed mini collet nut	ER 20	28	180
AAE34	roll bearings torque wrench for high speed mini collet nut	ER 25	35	185

Torque wrenches for collet nuts

ROLL BEARINGS TORQUE WRENCH FOR HIGH SPEED ER COLLET NUT

Part code	Description	ER	D Collet nut	H
AAE35	roll bearings torque wrench for high speed collet nut	ER 16	32	300
AAE36	roll bearings torque wrench for high speed collet nut	ER 20	35	300
AAE37	roll bearings torque wrench for high speed collet nut	ER 25	42	470
AAE38	roll bearings torque wrench for high speed collet nut	ER 32	50	470
AAE39	roll bearings torque wrench for high speed collet nut	ER 40	63	470
AAE40	roll bearings torque wrench for high speed collet nut	ER 50	78	470

HOOK TORQUE WRENCH FOR EOC COLLET NUT

Part code	Description	EOC	D Collet nut
AAE57	hook torque wrench for collet nut	EOC 25	60

Keys for components

TWISTER ADJUSTABLE KEY

Part code	Descrizione	Collet nut
AAE03	twister key	ER/EOC

HSK COOLANT TUBES KEY

Part code	Descrizione	HSK	D
AAE48	coolant tubes key	HSK 25 A-C-E / 32 B-D-F	6,5
AAE49	coolant tubes key	HSK 32 A-C-E / 40 B-D-F	8,5
AAE50	coolant tubes key	HSK 40 A-C-E / 50 B-D-F	10,5
AAE51	coolant tubes key	HSK 50 A-C-E / 63 B-D-F	14,5
AAE52	coolant tubes key	HSK 63 A-C-E / 80 B-D-F	16,5
AAE53	coolant tubes key	HSK 80 A-C-E / 100 B-D-F	18
AAE54	coolant tubes key	HSK 100 A-C-E / 125 B-D-F	22
AAE55	coolant tubes key	HSK 125 A-C-E	26
AAE56	coolant tubes key	HSK 160 A-C-E	30

DRIVE KEY FOR BALL CLAMPING SYSTEM

Part code	Descrizione	SK
AAE58	drive key for ball clamping system	SK 10
AAE59	drive key for ball clamping system	SK 15
AAE60	drive key for ball clamping system	SK 20
AAE61	drive key for ball clamping system	SK 25
AAE62	drive key for ball clamping system	SK 30
AAE63	drive key for ball clamping system	SK 40

Tool Clampers and Spindle Shank Wipers

Safety device for mounting tools on tool holders. It guarantees ease of use and stability during opening and tightening of collet nuts. The roll bearings system distribute torque on all the perimeter of the flange without damaging it.

page 161 page 175

The regular use of spindle shank wipers increases considerably the life of tool holders, prevents damages to the electrospindle due to the accumulation of residues and improves the torque between the cone and its housing.

TOOL CLAMPER 90° ANGLE

Part code	Description	Flange d	Connection
AAA00	tool clamper	20	SK 10-SK 15
AAA01	tool clamper	25	HSK 25
AAA02	tool clamper	30	SK 20
AAA03	tool clamper	32	HSK32
AAA04	tool clamper	38	SK 25
AAA05	tool clamper	40	HSK 40
AAA06	tool clamper	46	SK 30 "CMS"- BT 30
AAA07	tool clamper	50	SK 30- HSK 50- CAPTO 5
AAA08	tool clamper	53	SK 35 - BT 35
AAA09	tool clamper	57	SK 30 "THERMWOOD"
AAA10	tool clamper	63	HSK 63 - SK 40 - BT 40 CAT 40 - CAPTO 9 - KM63
AAA11	tool clamper	80	HSK 80 - CAPTO 8
AAA12	tool clamper	85	HSK "WEINIG"- HSK 85 "SCM" HSK "CELASCHI"
AAA13	tool clamper	97,5	SK 50
AAA14	tool clamper	100	HSK 100 - BT 50 - CAT 50
AAA15	tool clamper	125	HSK 125
AAA16	tool clamper	160	HSK 160 - SK 160

SPINDLE SHANK WIPERS

Part code	Description	Connection
AAB00	spindle shank wiper	SK20
AAB01	spindle shank wiper	SK25
AAB02	spindle shank wiper	SK30
AAB03	spindle shank wiper	SK40
AAB04	spindle shank wiper	SK50
AAB05	spindle shank wiper	HSK25E
AAB06	spindle shank wiper	HSK32E
AAB07	spindle shank wiper	HSK40A
AAB08	spindle shank wiper	HSK40E
AAB09	spindle shank wiper	HSK40F
AAB10	spindle shank wiper	HSK50A
AAB11	spindle shank wiper	HSK50E
AAB12	spindle shank wiper	HSK50F
AAB13	spindle shank wiper	HSK63A
AAB14	spindle shank wiper	HSK63E
AAB15	spindle shank wiper	HSK63F
AAB16	spindle shank wiper	HSK80A
AAB17	spindle shank wiper	HSK80E
AAB18	spindle shank wiper	HSK80B-F
AAB19	spindle shank wiper	HSK100A

Plastic forks for CNC machine

The IMS forks are designed to withstand the mechanical stress generated by the tool change operation. The elasticity of the acrylic resin body provides a flexible and totally reversible deformation, while the stainless steel reinforcement plate provides the right strength and load resistance.

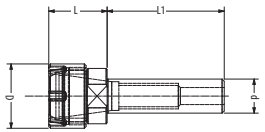
PLASTIC FORKS FOR CNC MACHINE

Part code	Description	Connection
AAL00	fork for "Colombo & Giordano"	SK 20
AAL01	fork for "Biesse"/"HSD"	SK 30
AAL02	fork for "Intermac"	SK 40
AAL03	fork for "Bimatech"	SK 40
AAL04	fork for "CMS"	SK 40
AAL05	fork for "Bavelloni"	SK 40
AAL06	fork for DIN 69871	SK 40
AAL07	fork for "Scandinvent"	SK 40
AAL08	fork for DIN 69871	SK 50
AAL09	fork for "Thibaut"	BT 40
AAL10	fork for "HSD"	HSK 25 E
AAL11	fork for "Colombo & Giordano"	HSK 40 E
AAL12	fork for "Biesse"/"HSD"	HSK 63 F
AAL13	fork for "Breton"	HSK 80 B

Collet Chuck Extensions DIN 1835/A

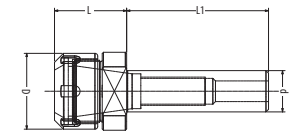
The IMS collect chuck extesions are excellent for deep operations that need the versatility of a collet chuck system. The "Mini" version provides lower encumbrances

page 161



COLLET CHUCK EXTENSIONS WITH ER MINI NUT

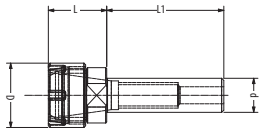
ER8			ER11			ER16			ER20			ER25		
Part code	d	L1	Part code	d	L1	Part code	d	L1	Part code	d	L1	Part code	d	L1
AA000	8	55	AA012	8	55	AA036	10	80	AA057	12	100	AA074	20	60
AA001	8	80	AA013	8	100	AA037	10	100	AA058	16	50	AA075	20	100
AA002	8	100	AA014	10	55	AA038	12	55	AA059	16	100	AA076	20	130
AA003	8	130	AA015	10	80	AA039	12	80	AA060	16	130	AA077	20	160
AA004	10	55	AA016	10	100	AA040	16	80	AA061	16	160	AA078	25	50
AA005	10	80	AA017	10	130	AA041	16	100	AA062	20	80	AA079	25	100
AA006	10	100	AA018	12	55	AA042	16	130	AA063	20	100	AA080	25	130
AA007	10	130	AA019	12	80	AA043	16	160	AA064	20	130	AA081	25	160
AA008	12	55	AA020	12	100	AA044	16	200	AA065	20	160	AA082	25	200
AA009	12	80	AA021	12	140	AA045	20	80	AA066	20	200			
AA010	12	100	AA022	16	60	AA046	20	100	AA067	20	250			
AA011	12	140	AA023	16	80	AA047	20	130	AA068	25	60			
			AA024	16	100	AA048	20	160	AA069	25	100			
			AA025	16	130	AA049	20	200	AA070	25	130			
			AA026	16	160	AA050	20	250	AA071	25	160			
			AA027	16	200	AA051	25	60	AA072	25	200			
			AA028	20	50	AA052	25	100	AA073	32	90			
			AA029	20	100	AA053	25	130						
			AA030	20	130	AA054	25	160						
			AA031	20	160	AA055	25	200						
			AA032	20	200	AA056	32	90						
			AA033	25	100									
			AA034	25	130									
			AA035	25	160									

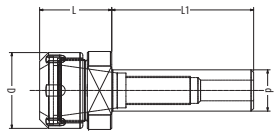


COLLET CHUCK EXTENSIONS WITH ER NUT

ER16			ER20			ER25			ER32			ER40		
Part code	d	L1	Part code	d	L1	Part code	d	L1	Part code	d	L1	Part code	d	L1
AA083	16	50	AA093	16	50	AA106	16	50	AA123	16	50	AA145	25	50
AA084	16	100	AA094	16	100	AA107	16	100	AA124	16	100	AA146	25	100
AA085	22	80	AA095	20	50	AA108	20	50	AA125	20	50	AA147	30	50
AA086	25	50	AA096	20	100	AA109	20	100	AA126	20	100	AA148	32	50
AA087	25	100	AA097	20	130	AA110	20	130	AA127	20	130	AA149	32	100
AA088	25	130	AA098	20	160	AA111	20	160	AA128	20	160	AA150	32	130
AA089	25	160	AA099	20	200	AA112	22	50	AA129	22	50	AA151	40	50
AA090	25	200	AA100	25	50	AA113	22	80	AA130	25	50	AA152	40	80
AA091	32	100	AA101	25	100	AA114	25	50	AA131	25	100	AA153	40	130
AA092	32	150	AA102	25	130	AA115	25	100	AA132	25	130	AA154	50	125
			AA103	25	160	AA116	25	130	AA133	25	160	AA155	50	160
			AA104	32	100	AA117	25	160	AA134	30	50			
			AA105	32	150	AA118	30	50	AA135	32	50			
						AA119	32	100	AA136	32	100			
						AA120	32	120	AA137	32	120			
						AA121	32	150	AA138	32	150			
						AA122	40	120	AA139	35	80			
									AA140	40	100			
									AA141	40	130			
									AA142	40	160			
									AA143	50	125			
									AA144	50	160			

Collet Chuck Extensions DIN 1835/A in inches





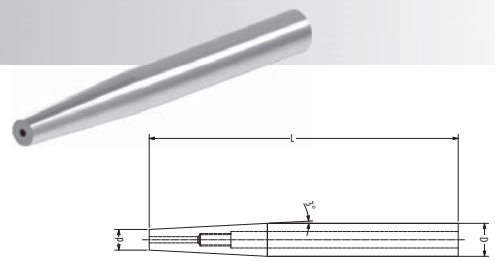
page 161

COLLET CHUCK EXTENSIONS WITH ER NUT FOR IMPERIAL SIZE COLLETS

Part code	Description	ER	d	L1
AA156	collet chuck extension for ER mini nut	ER 16	1/2"	50
AA157	prolunga per portapinze ER con ghiera mini	ER 16	1/2"	100
AA158	prolunga per portapinze ER con ghiera mini	ER 16	1/2"	150
AA159	prolunga per portapinze ER con ghiera mini	ER 20	1/2"	50
AA160	prolunga per portapinze ER con ghiera mini	ER 20	1/2"	100
AA161	prolunga per portapinze ER con ghiera mini	ER 20	1/2"	150
AA162	prolunga per portapinze ER con ghiera mini	ER 25	1/2"	50
AA163	prolunga per portapinze ER con ghiera mini	ER 25	1/2"	100
AA164	prolunga per portapinze ER con ghiera mini	ER 25	1/2"	150
AA165	prolunga per portapinze ER con ghiera standard	ER 16	1/2"	50
AA166	prolunga per portapinze ER con ghiera standard	ER 16	1/2"	100
AA167	prolunga per portapinze ER con ghiera standard	ER 16	1/2"	150
AA168	prolunga per portapinze ER con ghiera standard	ER 20	1/2"	50
AA169	prolunga per portapinze ER con ghiera standard	ER 20	1/2"	100
AA170	prolunga per portapinze ER con ghiera standard	ER 20	1/2"	150
AA171	prolunga per portapinze ER con ghiera standard	ER 25	1/2"	50
AA172	prolunga per portapinze ER con ghiera standard	ER 25	1/2"	100
AA173	prolunga per portapinze ER con ghiera standard	ER 25	1/2"	150

Shrink Fit Extensions

IMS Shrink fit extensions are the ideal solution for operations in tight spaces that need the highest precision. The new "Slim" version is designed to lower encumbrances even further, while maintaining the best TIR standards.

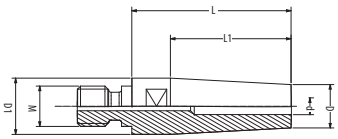


SHRINK FIT EXTENSIONS SLIM

Part code	Description	d	D	L	Angle
AA174	shrink fit extensions slim	4	12	150	3°
AA175	shrink fit extensions slim	5	12	150	3°
AA176	shrink fit extensions slim	6	12	150	3°
AA177	shrink fit extensions slim	4	16	150	3°
AA178	shrink fit extensions slim	5	16	150	3°
AA179	shrink fit extensions slim	6	16	150	3°
AA180	shrink fit extensions slim	8	16	150	3°
AA181	shrink fit extensions slim	4	20	150	3°
AA182	shrink fit extensions slim	5	20	150	3°
AA183	shrink fit extensions slim	6	20	150	3°
AA184	shrink fit extensions slim	8	20	150	3°
AA185	shrink fit extensions slim	10	20	150	3°
AA186	shrink fit extensions slim	12	20	150	3°
AA187	shrink fit extensions slim	4	25	150	3°
AA188	shrink fit extensions slim	5	25	150	3°
AA189	shrink fit extensions slim	6	25	150	3°
AA190	shrink fit extensions slim	8	25	150	3°
AA191	shrink fit extensions slim	10	25	150	3°
AA192	shrink fit extensions slim	12	25	150	3°
AA193	shrink fit extensions slim	14	25	150	3°
AA194	shrink fit extensions slim	16	25	150	3°
AA195	shrink fit extensions slim	4	32	150	3°
AA196	shrink fit extensions slim	5	32	150	3°
AA197	shrink fit extensions slim	6	32	150	3°
AA198	shrink fit extensions slim	8	32	150	3°
AA199	shrink fit extensions slim	10	32	150	3°
AA200	shrink fit extensions slim	12	32	150	3°
AA201	shrink fit extensions slim	14	32	150	3°
AA202	shrink fit extensions slim	16	32	150	3°
AA203	shrink fit extensions slim	18	32	150	3°
AA204	shrink fit extensions slim	20	32	150	3°
AA205	shrink fit extensions slim	3/8	1"	6"	3°
AA206	shrink fit extensions slim	1/2	1"	6"	3°
AA207	shrink fit extensions slim	3/4	1"	6"	3°

Extensions from modular to shrink fit

The extensions for modular shrink fit tool holders provide the ideal balance between tool change speed and maximum precision with low encumbrance.

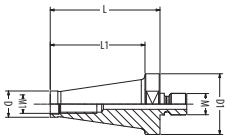


EXTENSIONS FROM MODULAR TO SHRINK FIT

Part code	Description	d	D	D1	L	L1	M
AA208	extension from modular to shrink fit	6	12	17,8	60	50	M10
AA209	extension from modular to shrink fit	6	12	20,8	60	50	M12
AA210	extension from modular to shrink fit	6	12	28,8	60	50	M16
AA211	extension from modular to shrink fit	8	15	17,8	60	50	M10
AA212	extension from modular to shrink fit	8	15	20,8	60	50	M12
AA213	extension from modular to shrink fit	8	15	28,8	60	50	M16
AA214	extension from modular to shrink fit	10	17	17,8	60	50	M10
AA215	extension from modular to shrink fit	10	17	20,8	60	50	M12
AA216	extension from modular to shrink fit	10	17	28,8	60	50	M16
AA217	extension from modular to shrink fit	12	20	20,8	60	50	M12
AA218	extension from modular to shrink fit	12	20	28,8	60	50	M16
AA219	extension from modular to shrink fit	16	23	28,8	60	50	M16

Extensions for modular tool holder

IMS extensions for modular tool holders feature the quickest tool changing system. Excellent for deep operations that require great versatility.

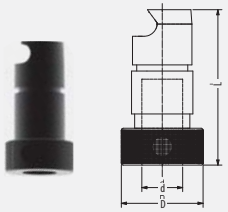


EXTENSIONS FOR MODULAR TOOL HOLDER

Part code	Description	D	D1	L	L1	M	M1
AA220	extension for modular tool holder	9,8	12,8	25	15	M8	M6
AA221	extension for modular tool holder	9,8	20,8	40	30	M12	M6
AA222	extension for modular tool holder	12,8	17,8	30	20	M10	M8
AA223	extension for modular tool holder	12,8	20,8	40	30	M12	M8
AA224	extension for modular tool holder	12,8	28,8	60	50	M16	M8
AA225	extension for modular tool holder	15,4	20,8	35	25	M12	M10
AA226	extension for modular tool holder	15,4	28,8	60	50	M16	M10
AA227	extension for modular tool holder	17,8	20,8	35	25	M12	M10
AA228	extension for modular tool holder	17,8	28,8	60	50	M16	M10
AA229	extension for modular tool holder	28,8	28,8	40	30	M16	M12

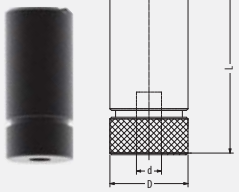
Quick change tool holders

Quick change tool holders
for CNC boring machines.



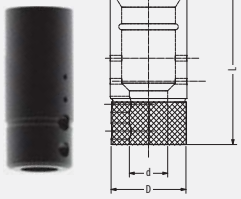
QUICK CHANGE TOOL HOLDERS FOR "BIESSE" BORING MACHINES

Part code	Description	d	D	L
AAH00	quick change tool holder "Biesse"	10	20	37
AAH01	quick change tool holder "Biesse"	10	20	30



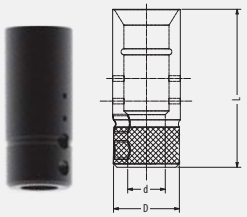
QUICK CHANGE TOOL HOLDERS FOR "MORBIDELLI" BORING MACHINES

Part code	Description	d	D	L
AAH02	quick change tool holder "Morbidelli"	10	20	43
AAH03	quick change tool holder "Morbidelli"	10	16	43
AAH04	quick change tool holder "Morbidelli"	M10	20	43



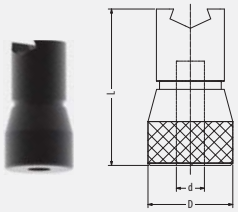
QUICK CHANGE TOOL HOLDERS FOR "MASTERWOOD", "MAGGI", "GRIGGIO" BORING MACHINES

Part code	Description	d	D	L
AAH10	quick change tool holder "Masterwood, Maggi, Griggio"	10	20	40



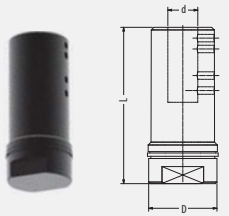
QUICK CHANGE TOOL HOLDERS FOR "VITAP" BORING MACHINES

Part code	Description	d	D	L
AAH05	quick change tool holder "Vitap"	10	18	42



QUICK CHANGE TOOL HOLDERS FOR "BUSELLATO" BORING MACHINES

Part code	Description	d	D	L
AAH06	quick change tool holder "Busellato"	10	19	34,5



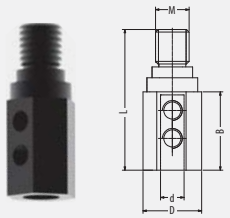
QUICK CHANGE TOOL HOLDERS FOR "WEEKE" BORING MACHINES

Part code	Description	d	D	L
AAH07	quick change tool holder "Weeke"	10	20	46
AAH08	quick change tool holder "Weeke"	10	20	56
AAH09	quick change tool holder "Weeke"	10	20	66

QUICK CHANGE TOOL HOLDERS FOR "VITAP", "ALBERTI" BORING MACHINES

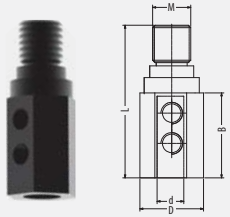
Part code	Description	d	D	L	B	M
AAH11	quick change tool holder "Vitap","Alberti" RH	14	18	40,5	25,5	10 x 1,5
AAH12	quick change tool holder "Vitap","Alberti" LH	14	18	40,5	25,5	10 x 1,5

Quick change tool holders



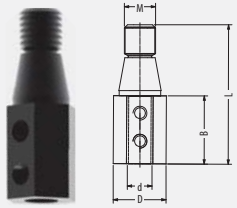
QUICK CHANGE TOOL HOLDERS FOR BORING MACHINES

Part code	Description	d	D	L	B	M
AAH13	quick change tool holder for boring machines RH	8	20	40	20	M8 x 1,5
AAH14	quick change tool holder for boring machines RH	10	20	40	20	M8 x 1,5
AAH15	quick change tool holder for boring machines LH	8	20	40	20	M8 x 1,5
AAH16	quick change tool holder for boring machines LH	10	20	40	20	M8 x 1,5



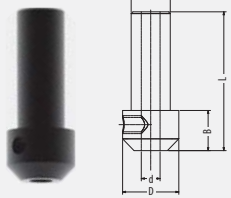
QUICK CHANGE TOOL HOLDERS FOR BORING MACHINES

Part code	Description	d	D	L	B	M
AAH17	quick change tool holder for boring machines RH	8	20	40	20	M10 x 1,5
AAH18	quick change tool holder for boring machines RH	10	20	40	20	M10 x 1,5
AAH19	quick change tool holder for boring machines LH	8	20	40	20	M10 x 1,5
AAH20	quick change tool holder for boring machines LH	10	20	40	20	M10 x 1,5



QUICK CHANGE TOOL HOLDERS FOR BORING MACHINES

Part code	Description	d	D	L	B	M
AAH21	quick change tool holder for boring machines RH	8	20	46	26	M10 x 1,5
AAH22	quick change tool holder for boring machines RH	10	20	46	26	M10 x 1,5
AAH23	quick change tool holder for boring machines LH	8	20	46	26	M10 x 1,5
AAH24	quick change tool holder for boring machines LH	10	20	46	26	M10 x 1,5

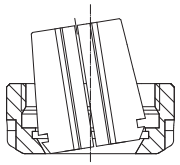


QUICK CHANGE TOOL HOLDERS FOR BORING MACHINES

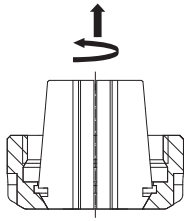
Part code	Description	d	D	L	B	D2
AAH25	quick change tool holder for boring machines	2	8	35	10	10
AAH26	quick change tool holder for boring machines	2,5	8	35	10	10
AAH27	quick change tool holder for boring machines	3	14	35	10	10
AAH28	quick change tool holder for boring machines	3,2	14	35	10	10
AAH29	quick change tool holder for boring machines	3,5	14	35	10	10
AAH30	quick change tool holder for boring machines	4	14	35	10	10
AAH31	quick change tool holder for boring machines	5	14	35	10	10

Useful tips for easy collet chuck set up

Inserting and removing the collet:



Inserting and removing the collet: To insert the collet in the collet nut, first introduce the collet slantwise its allocation and then push until the "click" sound happens.



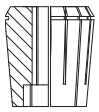
To remove the collet from the collet nut, rotate the collet half a turn counteclockwise and then extract it.

TIR CONCENTRICITY TABLE

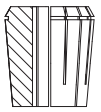
D	L	Standard ER Collets	High Precision ER Collets	Ultra Precision ER Collets
1,0 / 1,5	6	≤ 0,015	≤ 0,008	≤ 0,005
1,6 / 2,9	10	≤ 0,015	≤ 0,008	≤ 0,005
3,0 / 5,9	16	≤ 0,015	≤ 0,008	≤ 0,005
6,0 / 9,9	25	≤ 0,015	≤ 0,008	≤ 0,005
10,0 / 17,9	40	≤ 0,020	≤ 0,008	≤ 0,005
18,0 / 26	50	≤ 0,020	≤ 0,008	≤ 0,005

Using an IMS Torque Wrench

While tightening a tool holder collet nut it is important to be aware of the applied torque. A weak pull will lead to excessive vibrations or to the release of the tool itself, while tightening too much will damage the collet. The IMS torque wrench allows to tighten and release collet nuts in a secure way and without stressing the collets.



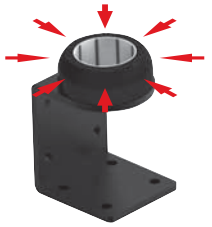
For step collets, use "MIN" torque setting



For straight bore collets, use "MAX" torque setting

Using an IMS tool clamper

The new rounded design is designed to reduce encumbrances when working on the tool holder

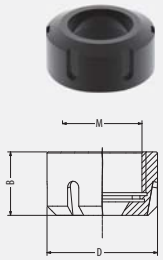


The roll bearings technology provides secure clamping and a correct subdivision of the torque force onto the whole diameter of the tool holder

Collet Nuts

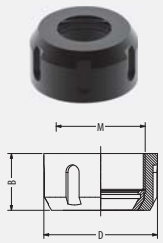
IMS collet nuts are manufactured following the international standards and designed for a firm grip on the collet. The special Darkside treatment provides total protection against rust, even in the most difficult work environments.

STANDARD ER COLLET NUT DIN 6499



Part code	Description	ER	D	B	M
AAC42	RH collet nut	ER 16	32	17,5	22 x 1,5
AAC43	RH collet nut	ER 20	35	19	25 x 1,5
AAC44	RH collet nut	ER 25	42	20	32 x 1,5
AAC45	RH collet nut	ER 32	50	22,5	40 x 1,5
AAC46	RH collet nut	ER 40	63	25,5	50 x 1,5
AAC47	RH collet nut	ER 50	78	35,5	64 x 2
AAC48	LH collet nut	ER 16	32	17,5	22 x 1,5
AAC49	LH collet nut	ER 20	35	19	25 x 1,5
AAC50	LH collet nut	ER 25	42	20	32 x 1,5
AAC51	LH collet nut	ER 32	50	22,5	40 x 1,5
AAC52	LH collet nut	ER 40	63	25,5	50 x 1,5
AAC53	LH collet nut	ER 50	78	35,5	64 x 2

BALL BEARING ER COLLET NUT DIN 6499

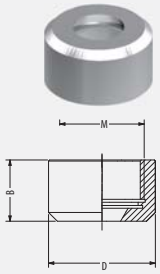


Part code	Description	ER	D	B	M
AAC54	RH ball bearing collet nut	ER 25	42	20	32 x 1,5
AAC55	RH ball bearing collet nut	ER 32	50	22,5	40 x 1,5
AAC56	RH ball bearing collet nut	ER 40	63	25,5	50 x 1,5
AAC58	LH ball bearing collet nut	ER 25	42	20	32 x 1,5
AAC59	LH ball bearing collet nut	ER 32	50	22,5	40 x 1,5
AAC60	LH ball bearing collet nut	ER 40	63	25,5	50 x 1,5

BALL BEARING EOC COLLET NUT DIN 6499

Part code	Description	EOC	D	B	M
AAC95	RH ball bearing collet nut	EOC 20	50	28	42 x 2
AAC61	RH ball bearing collet nut	EOC 25	60	30	48 x 2
AAC96	RH ball bearing collet nut	EOC 32	72	33,5	60 x 2,5
AAC97	RH ball bearing collet nut	EOC 40	85	37	68 x 2,5
AAC98	LH ball bearing collet nut	EOC 20	50	28	42 x 2
AAC62	LH ball bearing collet nut	EOC 25	60	30	48 x 2
AAC99	LH ball bearing collet nut	EOC 32	72	33,5	60 x 2,5
AAC57	LH ball bearing collet nut	EOC 40	85	37	68 x 2,5

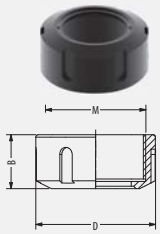
HIGH SPEED ER COLLET NUTS



Part code	Description	ER	D	B	M
AAC81	RH high speed collet nut	ER 16	32	17,5	22 x 1,5
AAC82	RH high speed collet nut	ER 20	35	19	25 x 1,5
AAC83	RH high speed collet nut	ER 25	42	20	32 x 1,5
AAC84	RH high speed collet nut	ER 32	50	22,5	40 x 1,5
AAC85	RH high speed collet nut	ER 40	63	25,5	50 x 1,5
AAC86	LH high speed collet nut	ER 16	32	17,5	22 x 1,5
AAC87	LH high speed collet nut	ER 20	35	19	25 x 1,5
AAC88	LH high speed collet nut	ER 25	42	20	32 x 1,5
AAC89	LH high speed collet nut	ER 32	50	22,5	40 x 1,5
AAC90	LH high speed collet nut	ER 40	63	25,5	50 x 1,5

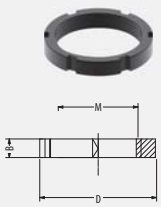
Manufacturing material: grounded steel

"PAOLINO BACCI " MACHINE CONNECTION NUTS



Part code	Description	ER	D	B	M
AAC91	Paolino Bacci RH nut	ER 32	50	22,5	40 x 1,5
AAC92	Paolino Bacci RH nut	ER 40	63	25,5	50 x 1,5
AAC93	Paolino Bacci LH nut	ER 32	50	22,5	40 x 1,5
AAC94	Paolino Bacci LH nut	ER 40	63	25,5	50 x 1,5

ER COUNTER NUTS



Part code	Description	ER	D	B	M
AAC22	mini RH counter nut	ER 20	30	5	24 x 1
AAC23	mini RH counter nut	ER 25	40	5	30 x 1
AAC24	RH counter nut	ER 25	42	8	32 x 1,5
AAC25	RH counter nut	ER 32	50	10	40 x 1,5
AAC26	RH counter nut	ER 40	63	10	50 x 1,5
AAC27	mini LH counter nut	ER 20	30	5	24 x 1
AAC28	mini LH counter nut	ER 25	40	5	30 x 1
AAC29	LH counter nut	ER 25	42	8	32 x 1,5
AAC30	LH counter nut	ER 32	50	10	40 x 1,5
AAC31	LH counter nut	ER 40	63	10	50 x 1,5

- MANUFACTURING MATERIAL
- OPTIONAL MATERIAL
- OPTIONAL FINISHES*

DARKSIDE

STAINLESS STEEL
Cod. **M1**

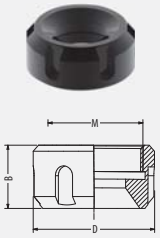
NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

Collet Nuts

HEX ER COLLET NUTS

Part code	Description	ER	D	B	M
AAC63	RH hex collet nut	ER 11	19	11,3	14 x 0,75
AAC64	RH hex collet nut	ER 16	28	17,5	22 x 1,5
AAC65	RH hex collet nut	ER 20	34	19	25 x 1,5
AAC66	RH hex collet nut	ER 25	42	20	32 x 1,5
AAC67	LH hex collet nut	ER 11	19	11,3	14 x 0,75
AAC68	LH hex collet nut	ER 16	28	17,5	22 x 1,5
AAC69	LH hex collet nut	ER 20	34	19	25 x 1,5
AAC70	LH hex collet nut	ER 25	42	20	32 x 1,5



ETS COLLET NUTS

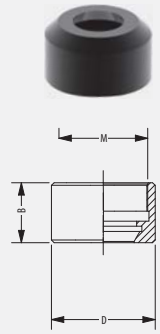
Part code	Description	ETS	D	B	M
AAC00	collet nut	ETS 16	32	15	22 x 1,5
AAC01	collet nut	ETS 20	35	16,5	25 x 1,5
AAC02	collet nut	ETS 25	42	18,5	32 x 1,5
AAC03	collet nut	ETS 32	50	22	40 x 1,5
AAC04	collet nut	ETS 40	63	25	50 x 1,5

EMBEDDED ER COLLET NUTS

Part code	Description	ER	M
AAC05	embedded collet nut	ER 25	32 x 1,5
AAC06	embedded collet nut	ER 32	40 x 1,5
AAC07	embedded collet nut	ER 40	50 x 1,5

EOC COLLET NUTS DIN 6388

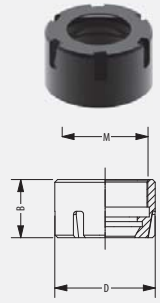
Part code	Description	EOC	D	B	M
AAC08	RH collet nut	EOC 10	30	19	22 x 1,5
AAC09	RH collet nut	EOC 12	35	20	27 x 1,5
AAC10	RH collet nut	EOC 16	43	24	33 x 1,5
AAC11	RH collet nut	EOC 20	50	28	42 x 2
AAC12	RH collet nut	EOC 25	60	30	48 x 2
AAC13	RH collet nut	EOC 32	72	33,5	60 x 2,5
AAC14	RH collet nut	EOC 40	85	37	68 x 2,5
AAC15	LH collet nut	EOC 10	30	19	22 x 1,5
AAC16	LH collet nut	EOC 12	35	20	27 x 1,5
AAC17	LH collet nut	EOC 16	43	24	33 x 1,5
AAC18	LH collet nut	EOC 20	50	28	42 x 2
AAC19	LH collet nut	EOC 25	60	30	48 x 2
AAC20	LH collet nut	EOC 32	72	33,5	60 x 2,5
AAC21	LH collet nut	EOC 40	85	37	68 x 2,5



ER MINI HIGH SPEED COLLET NUTS

Part code	Description	ER	D	B	M
AAC71	mini RH high speed collet nut	ER 8	12	10,8	10 x 0,75
AAC72	mini RH high speed collet nut	ER 11	15	12	13 x 0,75
AAC73	mini RH high speed collet nut	ER 16	22	18	19 x 1
AAC74	mini RH high speed collet nut	ER 20	28	19	24 x 1
AAC75	mini RH high speed collet nut	ER 25	35	20	30 x 1
AAC76	mini LH high speed collet nut	ER 8	12	10,8	10 x 0,75
AAC77	mini LH high speed collet nut	ER 11	15	12	13 x 0,75
AAC78	mini LH high speed collet nut	ER 16	22	18	19 x 1
AAC79	mini LH high speed collet nut	ER 20	28	19	24 x 1
AAC80	mini LH high speed collet nut	ER 25	35	20	30 x 1

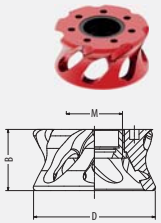
Manufacturing material: grounded steel



ER MINI COLLET NUT DIN 6499

Part code	Description	ER	D	B	M
AAC32	mini RH collet nut	ER 8	12	10,8	10 x 0,75
AAC33	mini RH collet nut	ER 11	16	12	13 x 0,75
AAC34	mini RH collet nut	ER 16	22	18	19 x 1
AAC35	mini RH collet nut	ER 20	28	19	24 x 1
AAC36	mini RH collet nut	ER 25	35	20	30 x 1
AAC37	mini LH collet nut	ER 8	12	10,8	10 x 0,75
AAC38	mini LH collet nut	ER 11	16	12	13 x 0,75
AAC39	mini LH collet nut	ER 16	22	18	19 x 1
AAC40	mini LH collet nut	ER 20	28	19	24 x 1
AAC41	mini LH collet nut	ER 25	35	20	30 x 1

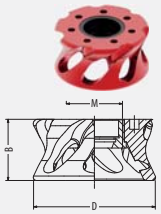
Twister



TWISTER FOR ER COLLET CHUCKS

Part code	Description	ER	D	B	M
AAD00	Twister for RH collet chucks	ER 25	90	41,5	32 x 1,5
AAD01	Twister for RH collet chucks	ER 32	98	44	40 x 1,5
AAD08	Twister for RH collet chucks	ER 32	80	44	40 x 1,5
AAD02	Twister for RH collet chucks	ER 40	98	47	50 x 1,5
AAD03	Twister for LH collet chucks	ER 25	90	41,5	32 x 1,5
AAD04	Twister for LH collet chucks	ER 32	98	44	40 x 1,5
AAD09	Twister for LH collet chucks	ER 32	80	44	40 x 1,5
AAD05	Twister for LH collet chucks	ER 40	98	47	50 x 1,5

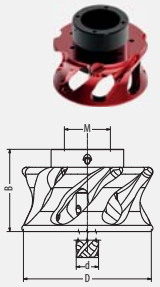
Manufacturing material: Anodyzed Aluminum



TWISTER FOR EOC COLLET CHUCKS

Part code	Description	EOC	D	B	M
AAD06	Twister for RH collet chucks	EOC 25	98	51,5	48 x 2
AAD07	Twister for LH collet chucks	EOC 25	98	51,5	48 x 2

Manufacturing material: Anodyzed Aluminum



TWISTER FOR HYDRO CHUCKS

Part code	Description	d	D	B	M
AAD16	Twister for RH hydro	32	98	47	60 x 1,5
AAD18	Twister for RH hydro	25	98	47	52 x 1,5
AAD10	Twister for RH hydro	20	98	47	42 x 1,5
AAD20	Twister for RH hydro	16	98	47	38 x 1,5
AAD12	Twister for RH hydro	12	98	47	32 x 1,5
AAD22	Twister for RH hydro	10	98	47	30 x 1,5
AAD24	Twister for RH hydro	3/8"	98	47	30 x 1,5
AAD14	Twister for RH hydro	1/2"	98	47	32 x 1,5
AAD26	Twister for RH hydro	3/4"	98	47	42 x 1,5
AAD17	Twister for LH hydro	32	98	47	60 x 1,5
AAD19	Twister for LH hydro	25	98	47	52 x 1,5
AAD11	Twister for LH hydro	20	98	47	42 x 1,5
AAD21	Twister for LH hydro	16	98	47	38 x 1,5
AAD13	Twister for LH hydro	12	98	47	32 x 1,5
AAD23	Twister for LH hydro	10	98	47	30 x 1,5
AAD25	Twister for LH hydro	3/8"	98	47	30 x 1,5
AAD15	Twister for LH hydro	1/2"	98	47	32 x 1,5
AAD27	Twister for LH hydro	3/4"	98	47	42 x 1,5

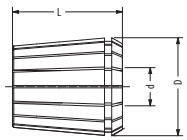
Manufacturing material: Anodyzed Aluminum

Twister mounting instructions

- Check if your IMS Twister **presents sign of wear** before every use.
- **Do not use** IMS Twister with worn out or damaged tools.
- IMS Twister is designed to not accumulate dust, maintaining the cut clean. However, **it is good practice to clean** IMS Twister, the collet and the tool holder after each use, in order to prevent production residues nesting in the threads.
- For better grip and precision, **insert the tool into the collet until the bottom**, but making sure that the flute is not in contact with the collet.
- **Use a Presetting device** to make sure that the tool is correctly positioned and that the IMS Twister bottom is between 2mm and 5mm far from the cutting surface. If after the passage small burns were visible on the material, increase the distance between the IMS Twister and the cutting surface.
- IMS Twister is **up to 40% quieter** than competing products. The noise is more intense when the tool turns free than during cutting operations. For further noise reduction, decrease the machine's RPM and IPM parameters.
- IMS Twister **must be used with precision collets** and assembled using a suitable tool clamper and wrench. Any improper use of IMS Twister will invalidate its warranty.

ER Collets DIN 6499/B

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



ER8			ER11			ER16			ER20				
Part code	D	L	Part code	D	L	Part code	D	L	Part code	D	L	d	Capacity
A0031	8,5	13,5	A0040	11,5	18	A0053	17	27,5	A0072	21	31,5	1	1 - 0,5
A0032	8,5	13,5	A0041	11,5	18	A0054	17	27,5	A0073	21	31,5	1,5	1,5 - 1
A0033	8,5	13,5	A0042	11,5	18	A0055	17	27,5	A0074	21	31,5	2	2 - 1
A0034	8,5	13,5	A0043	11,5	18	A0056	17	27,5	A0075	21	31,5	2,5	2,5 - 2
A0035	8,5	13,5	A0044	11,5	18	A0057	17	27,5	A0076	21	31,5	3	3 - 2
A0036	8,5	13,5	A0045	11,5	18	A0058	17	27,5	A0077	21	31,5	3,5	3,5 - 3
A0037	8,5	13,5	A0046	11,5	18	A0059	17	27,5	A0078	21	31,5	4	4 - 3
A0038	8,5	13,5	A0047	11,5	18	A0060	17	27,5	A0079	21	31,5	4,5	4,5 - 4
A0039	8,5	13,5	A0048	11,5	18	A0061	17	27,5	A0080	21	31,5	5	5 - 4
			A0049	11,5	18	A0062	17	27,5	A0081	21	31,5	5,5	5,5 - 5
			A0050	11,5	18	A0063	17	27,5	A0082	21	31,5	6	6 - 5
			A0051	11,5	18	A0064	17	27,5	A0083	21	31,5	6,5	6,5 - 6
			A0052	11,5	18	A0065	17	27,5	A0084	21	31,5	7	7 - 6
						A0066	17	27,5	A0085	21	31,5	7,5	7,5 - 7
						A0067	17	27,5	A0086	21	31,5	8	8 - 7
						A0068	17	27,5	A0087	21	31,5	8,5	8,5 - 8
						A0069	17	27,5	A0088	21	31,5	9	9 - 8
						A0070	17	27,5	A0089	21	31,5	9,5	9,5 - 9
						A0071	17	27,5	A0090	21	31,5	10	10 - 9
									A0091	21	31,5	10,5	10,5 - 10
									A0092	21	31,5	11	11 - 10
									A0093	21	31,5	11,5	11,5 - 11
									A0094	21	31,5	12	12 - 11
									A0095	21	31,5	12,5	12,5 - 12
									A0096	21	31,5	13	13 - 12

ER25			ER32			ER40			ER50				
Part code	D	L	Part code	D	L	Part code	D	L	Part code	D	L	d	Capacity
A0097	26	35	A0111	33	40	-	-	-	-	-	-	-	3 - 2
A0098	26	35	A0112	33	40	A0129	41	46	-	-	-	-	4 - 3
A0099	26	35	A0113	33	40	A0130	41	46	-	-	-	-	5 - 4
A0100	26	35	A0114	33	40	A0131	41	46	-	-	-	-	6 - 5
A0101	26	35	A0115	33	40	A0132	41	46	-	-	-	-	7 - 6
A0102	26	35	A0116	33	40	A0133	41	46	-	-	-	-	8 - 7
A0103	26	35	A0117	33	40	A0134	41	46	-	-	-	-	9 - 8
A0104	26	35	A0118	33	40	A0135	41	46	-	-	-	-	10 - 9
A0105	26	35	A0119	33	40	A0136	41	46	A0156	52	60	11	11 - 10
A0106	26	35	A0120	33	40	A0137	41	46	A0157	52	60	12	12 - 11
A0107	26	35	A0121	33	40	A0138	41	46	A0158	52	60	13	13 - 12
A0108	26	35	A0122	33	40	A0139	41	46	A0159	52	60	14	14 - 13
A0109	26	35	A0123	33	40	A0140	41	46	A0160	52	60	15	15 - 14
A0110	26	35	A0124	33	40	A0141	41	46	A0161	52	60	16	16 - 15
			A0125	33	40	A0142	41	46	A0162	52	60	17	17 - 16
			A0126	33	40	A0143	41	46	A0163	52	60	18	18 - 17
			A0127	33	40	A0144	41	46	A0164	52	60	19	19 - 18
			A0128	33	40	A0145	41	46	A0165	52	60	20	20 - 19
						A0146	41	46	A0166	52	60	21	21 - 20
						A0147	41	46	A0167	52	60	22	22 - 21
						A0148	41	46	A0168	52	60	23	23 - 22
						A0149	41	46	A0169	52	60	24	24 - 23
						A0150	41	46	A0170	52	60	25	25 - 24
						A0151	41	46	A0171	52	60	26	26 - 25
						A0152	41	46	A0172	52	60	27	27 - 26
						A0153	41	46	A0173	52	60	28	28 - 27
						A0154	41	46	A0174	52	60	29	29 - 28
						A0155	41	46	A0175	52	60	30	30 - 29
									A0176	52	60	31	31 - 30
									A0177	52	60	32	32 - 31
									A0178	52	60	33	33 - 32
									A0179	52	60	34	34 - 33

MANUFACTURING MATERIAL

STEEL

OPTIONAL FINISHES*

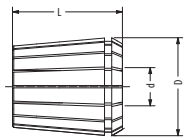
DARKSIDE
Cod. **Z1**

NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

High/Ultra Precision ER Collets DIN 6499/B

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



ER8				ER11				ER16				ER20				
High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	d
Part code	Part code			Part code	Part code			Part code	Part code			Part code	Part code			
A0180	A0298	8,5	13,5	A0185	A0303	11,5	18	A0192	A0310	17	27,5	A0202	A0320	21	31,5	1
A0181	A0299	8,5	13,5	A0186	A0304	11,5	18	A0193	A0311	17	27,5	A0203	A0321	21	31,5	2
A0182	A0300	8,5	13,5	A0187	A0305	11,5	18	A0194	A0312	17	27,5	A0204	A0322	21	31,5	3
A0183	A0301	8,5	13,5	A0188	A0306	11,5	18	A0195	A0313	17	27,5	A0205	A0323	21	31,5	4
A0184	A0302	8,5	13,5	A0189	A0307	11,5	18	A0196	A0314	17	27,5	A0206	A0324	21	31,5	5
				A0190	A0308	11,5	18	A0197	A0315	17	27,5	A0207	A0325	21	31,5	6
				A0191	A0309	11,5	18	A0198	A0316	17	27,5	A0208	A0326	21	31,5	7
								A0199	A0317	17	27,5	A0209	A0327	21	31,5	8
								A0200	A0318	17	27,5	A0210	A0328	21	31,5	9
								A0201	A0319	17	27,5	A0211	A0329	21	31,5	10
												A0212	A0330	21	31,5	11
												A0213	A0331	21	31,5	12
												A0214	A0332	21	31,5	13

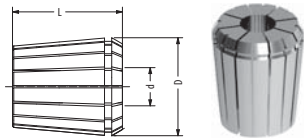
● MANUFACTURING MATERIAL

STEEL

ER25				ER32				ER40				ER50				
High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	High Precision	Ultra Precision	D	L	d
Part code	Part code			Part code	Part code			Part code	Part code			Part code	Part code			
A0215	A0333	26	35	A0229	A0347	33	40	-	-	-	-	-	-	-	-	3
A0216	A0334	26	35	A0230	A0348	33	40	A0247	A0365	41	46	-	-	-	-	4
A0217	A0335	26	35	A0231	A0349	33	40	A0248	A0366	41	46	-	-	-	-	5
A0218	A0336	26	35	A0232	A0350	33	40	A0249	A0367	41	46	-	-	-	-	6
A0219	A0337	26	35	A0233	A0351	33	40	A0250	A0368	41	46	-	-	-	-	7
A0220	A0338	26	35	A0234	A0352	33	40	A0251	A0369	41	46	-	-	-	-	8
A0221	A0339	26	35	A0235	A0353	33	40	A0252	A0370	41	46	-	-	-	-	9
A0222	A0340	26	35	A0236	A0354	33	40	A0253	A0371	41	46	-	-	-	-	10
A0223	A0341	26	35	A0237	A0355	33	40	A0254	A0372	41	46	A0274	A0392	52	60	11
A0224	A0342	26	35	A0238	A0356	33	40	A0255	A0373	41	46	A0275	A0393	52	60	12
A0225	A0343	26	35	A0239	A0357	33	40	A0256	A0374	41	46	A0276	A0394	52	60	13
A0226	A0344	26	35	A0240	A0358	33	40	A0257	A0375	41	46	A0277	A0395	52	60	14
A0227	A0345	26	35	A0241	A0359	33	40	A0258	A0376	41	46	A0278	A0396	52	60	15
A0228	A0346	26	35	A0242	A0360	33	40	A0259	A0377	41	46	A0279	A0397	52	60	16
				A0243	A0361	33	40	A0260	A0378	41	46	A0280	A0398	52	60	17
				A0244	A0362	33	40	A0261	A0379	41	46	A0281	A0399	52	60	18
				A0245	A0363	33	40	A0262	A0380	41	46	A0282	A0400	52	60	19
				A0246	A0364	33	40	A0263	A0381	41	46	A0283	A0401	52	60	20
								A0264	A0382	41	46	A0284	A0402	52	60	21
								A0265	A0383	41	46	A0285	A0403	52	60	22
								A0266	A0384	41	46	A0286	A0404	52	60	23
								A0267	A0385	41	46	A0287	A0405	52	60	24
								A0268	A0386	41	46	A0288	A0406	52	60	25
								A0269	A0387	41	46	A0289	A0407	52	60	26
								A0270	A0388	41	46	A0290	A0408	52	60	27
								A0271	A0389	41	46	A0291	A0409	52	60	28
								A0272	A0390	41	46	A0292	A0410	52	60	29
								A0273	A0391	41	46	A0293	A0411	52	60	30
												A0294	A0412	52	60	31
												A0295	A0413	52	60	32
												A0296	A0414	52	60	33
												A0297	A0415	52	60	34

ER Collets DIN 6499/B in imperial measures

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



ER8			ER11			ER16			ER20			
Part code	D	L	Part code	D	L	Part code	D	L	Part code	D	L	d
A0416	8,5	13,5	A0424	11,5	18	A0433	17	27,5	A0447	21	31,5	1/32"
A0417	8,5	13,5	A0425	11,5	18	A0434	17	27,5	A0448	21	31,5	3/64"
A0418	8,5	13,5	A0426	11,5	18	A0435	17	27,5	A0449	21	31,5	1/16"
A0419	8,5	13,5	A0427	11,5	18	A0436	17	27,5	A0450	21	31,5	3/32"
A0420	8,5	13,5	A0428	11,5	18	A0437	17	27,5	A0451	21	31,5	1/8"
A0421	8,5	13,5	A0429	11,5	18	A0438	17	27,5	A0452	21	31,5	5/32"
A0422	8,5	13,5	A0430	11,5	18	A0439	17	27,5	A0453	21	31,5	3/16"
A0423	8,5	13,5	A0431	11,5	18	A0440	17	27,5	A0454	21	31,5	7/32"
			A0432	11,5	18	A0441	17	27,5	A0455	21	31,5	1/4"
						A0442	17	27,5	A0456	21	31,5	9/32"
						A0443	17	27,5	A0457	21	31,5	5/16"
						A0444	17	27,5	A0458	21	31,5	11/32"
						A0445	17	27,5	A0459	21	31,5	3/8"
						A0446	17	27,5	A0460	21	31,5	13/32"
									A0461	21	31,5	7/16"
									A0462	21	31,5	15/32"
									A0463	21	31,5	1/2"

ER25			ER32			ER40			
Part code	D	L	Part code	D	L	Part code	D	L	d
A0464	26	35	-	-	-	-	-	-	3/64"
A0465	26	35	-	-	-	-	-	-	1/16"
A0466	26	35	A0484	33	40	-	-	-	3/32"
A0467	26	35	A0485	33	40	A0507	41	46	1/8"
A0468	26	35	A0486	33	40	A0508	41	46	5/32"
A0469	26	35	A0487	33	40	A0509	41	46	3/16"
A0470	26	35	A0488	33	40	A0510	41	46	7/32"
A0471	26	35	A0489	33	40	A0511	41	46	1/4"
A0472	26	35	A0490	33	40	A0512	41	46	9/32"
A0473	26	35	A0491	33	40	A0513	41	46	5/16"
A0474	26	35	A0492	33	40	A0514	41	46	11/32"
A0475	26	35	A0493	33	40	A0515	41	46	3/8"
A0476	26	35	A0494	33	40	A0516	41	46	13/32"
A0477	26	35	A0495	33	40	A0517	41	46	7/16"
A0478	26	35	A0496	33	40	A0518	41	46	15/32"
A0479	26	35	A0497	33	40	A0519	41	46	1/2"
A0480	26	35	A0498	33	40	A0520	41	46	17/32"
A0481	26	35	A0499	33	40	A0521	41	46	9/16"
A0482	26	35	A0500	33	40	A0522	41	46	19/32"
A0483	26	35	A0501	33	40	A0523	41	46	5/8"
			A0502	33	40	A0524	41	46	21/32"
			A0503	33	40	A0525	41	46	11/16"
			A0504	33	40	A0526	41	46	23/32"
			A0505	33	40	A0527	41	46	3/4"
			A0506	33	40	A0528	41	46	13/16"
						A0529	41	46	27/32"
						A0530	41	46	7/8"
						A0531	41	46	29/32"
						A0532	41	46	15/16"
						A0533	41	46	31/32"
						A0534	41	46	1"

MANUFACTURING MATERIAL

STEEL

OPTIONAL FINISHES*

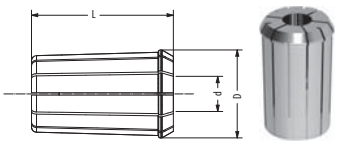
DARKSIDE
Cod. **Z1**

NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

EOC Collets Din 6388/B

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



EOC 10 B			EOC 12 B			EOC 16 B				
Part code	D	L	Part code	D	L	Part code	D	L	d	Capacity
A0612	17,2	30	A0622	19,5	34	-	-	-	1	1 - 0,5
A0613	17,2	30	A0623	19,5	34	A0634	25,5	40	2	2 - 1,5
A0614	17,2	30	A0624	19,5	34	A0635	25,5	40	3	3 - 2,5
A0615	17,2	30	A0625	19,5	34	A0636	25,5	40	4	4 - 3,5
A0616	17,2	30	A0626	19,5	34	A0637	25,5	40	5	5 - 4,5
A0617	17,2	30	A0627	19,5	34	A0638	25,5	40	6	6 - 5,5
A0618	17,2	30	A0628	19,5	34	A0639	25,5	40	7	7 - 6,5
A0619	17,2	30	A0629	19,5	34	A0640	25,5	40	8	8 - 7,5
A0620	17,2	30	A0630	19,5	34	A0641	25,5	40	9	9 - 8,5
A0621	17,2	30	A0631	19,5	34	A0642	25,5	40	10	10 - 9,5
			A0632	19,5	34	A0643	25,5	40	11	11 - 10,5
			A0633	19,5	34	A0644	25,5	40	12	12 - 11,5
						A0645	25,5	40	13	13 - 12,5
						A0646	25,5	40	14	14 - 13,5
						A0647	25,5	40	15	15 - 14,5
						A0648	25,5	40	16	16 - 15,5

MANUFACTURING MATERIAL

STEEL

OPTIONAL FINISHES*

DARKSIDE
Cod. **Z1**

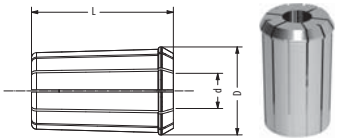
NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

EOC 20 B			EOC 25 B			EOC 32 B				
Part code	D	L	Part code	D	L	Part code	D	L	d	Capacity
A0649	29,8	45	-	-	-	-	-	-	2	2 - 1,5
A0650	29,8	45	A0668	35,5	52	-	-	-	3	3 - 2,5
A0651	29,8	45	A0669	35,5	52	-	-	-	4	4 - 3,5
A0652	29,8	45	A0670	35,5	52	-	-	-	5	5 - 4,5
A0653	29,8	45	A0671	35,5	52	A0691	43,7	60	6	6 - 5,5
A0654	29,8	45	A0672	35,5	52	A0692	43,7	60	7	7 - 6,5
A0655	29,8	45	A0673	35,5	52	A0693	43,7	60	8	8 - 7,5
A0656	29,8	45	A0674	35,5	52	A0694	43,7	60	9	9 - 8,5
A0657	29,8	45	A0675	35,5	52	A0695	43,7	60	10	10 - 9,5
A0658	29,8	45	A0676	35,5	52	A0696	43,7	60	11	11 - 10,5
A0659	29,8	45	A0677	35,5	52	A0697	43,7	60	12	12 - 11,5
A0660	29,8	45	A0678	35,5	52	A0698	43,7	60	13	13 - 12,5
A0661	29,8	45	A0679	35,5	52	A0699	43,7	60	14	14 - 13,5
A0662	29,8	45	A0680	35,5	52	A0700	43,7	60	15	15 - 14,5
A0663	29,8	45	A0681	35,5	52	A0701	43,7	60	16	16 - 15,5
A0664	29,8	45	A0682	35,5	52	A0702	43,7	60	17	17 - 16,5
A0665	29,8	45	A0683	35,5	52	A0703	43,7	60	18	18 - 17,5
A0666	29,8	45	A0684	35,5	52	A0704	43,7	60	19	19 - 18,5
A0667	29,8	45	A0685	35,5	52	A0705	43,7	60	20	20 - 19,5
			A0686	35,5	52	A0706	43,7	60	21	21 - 20,5
			A0687	35,5	52	A0707	43,7	60	22	22 - 21,5
			A0688	35,5	52	A0708	43,7	60	23	23 - 22,5
			A0689	35,5	52	A0709	43,7	60	24	24 - 23,5
			A0690	35,5	52	A0710	43,7	60	25	25 - 24,5
						A0711	43,7	60	26	26 - 25,5
						A0712	43,7	60	27	27 - 26,5
						A0713	43,7	60	28	28 - 27,5
						A0714	43,7	60	29	29 - 28,5
						A0715	43,7	60	30	30 - 29,5
						A0716	43,7	60	31	31 - 30,5
						A0717	43,7	60	32	32 - 31,5

EOC Collets Din 6388/B in imperial measures

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



EOC 20 B			EOC 25 B			EOC 32 B			
Part code	D	L	Part code	D	L	Part code	D	L	d
A0718	29,8	45	-	-	-	-	-	-	3/64"
A0719	29,8	45	-	-	-	-	-	-	1/16"
A0720	29,8	45	A0738	35,5	52	-	-	-	3/32"
A0721	29,8	45	A0739	35,5	52	-	-	-	1/8"
A0722	29,8	45	A0740	35,5	52	-	-	-	5/32"
A0723	29,8	45	A0741	35,5	52	-	-	-	3/16"
A0724	29,8	45	A0742	35,5	52	-	-	-	7/32"
A0725	29,8	45	A0743	35,5	52	A0761	43,7	60	1/4"
A0726	29,8	45	A0744	35,5	52	A0762	43,7	60	9/32"
A0727	29,8	45	A0745	35,5	52	A0763	43,7	60	5/16"
A0728	29,8	45	A0746	35,5	52	A0764	43,7	60	11/32"
A0729	29,8	45	A0747	35,5	52	A0765	43,7	60	3/8"
A0730	29,8	45	A0748	35,5	52	A0766	43,7	60	13/32"
A0731	29,8	45	A0749	35,5	52	A0767	43,7	60	7/16"
A0732	29,8	45	A0750	35,5	52	A0768	43,7	60	15/32"
A0733	29,8	45	A0751	35,5	52	A0769	43,7	60	1/2"
A0734	29,8	45	A0752	35,5	52	A0770	43,7	60	17/32"
A0735	29,8	45	A0753	35,5	52	A0771	43,7	60	9/16"
A0736	29,8	45	A0754	35,5	52	A0772	43,7	60	19/32"
A0737	29,8	45	A0755	35,5	52	A0773	43,7	60	5/8"
			A0756	35,5	52	A0774	43,7	60	21/32"
			A0757	35,5	52	A0775	43,7	60	11/16"
			A0758	35,5	52	A0776	43,7	60	23/32"
			A0759	35,5	52	A0777	43,7	60	3/4"
			A0760	35,5	52	A0778	43,7	60	13/16"
						A0779	43,7	60	27/32"
						A0780	43,7	60	7/8"
						A0781	43,7	60	29/32"
						A0782	43,7	60	15/16"
						A0783	43,7	60	31/32"
						A0784	43,7	60	1"
						A0785	43,7	60	1"1/4

MANUFACTURING MATERIAL **OPTIONAL FINISHES***

STEEL

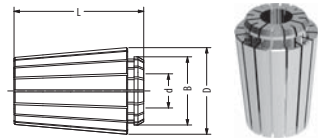
DARKSIDE
Cod. **Z1**

NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

E-TS Collets

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



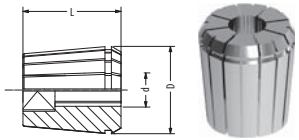
E-TS 16				E-TS 20				E-TS 25				E-TS 32				E-TS 40					
Part code	D	L	b	Part code	D	L	b	Part code	D	L	b	Part code	D	L	b	Part code	D	L	b	d	Capacity
A0535	17	24	13,6	A0544	21	30,5	17	A0555	26	34	21	-	-	-	-	-	-	-	-	2	2 - 1
A0536	17	24	13,6	A0545	21	30,5	17	A0556	26	34	21	A0571	33	40	27,2	-	-	-	-	3	3 - 2
A0537	17	24	13,6	A0546	21	30,5	17	A0557	26	34	21	A0572	33	40	27,2	A0589	41	46	32	4	4 - 3
A0538	17	24	13,6	A0547	21	30,5	17	A0558	26	34	21	A0573	33	40	27,2	A0590	41	46	32	5	5 - 4
A0539	17	24	13,6	A0548	21	30,5	17	A0559	26	34	21	A0574	33	40	27,2	A0591	41	46	32	6	6 - 5
A0540	17	24	13,6	A0549	21	30,5	17	A0560	26	34	21	A0575	33	40	27,2	A0592	41	46	32	7	7 - 6
A0541	17	24	13,6	A0550	21	30,5	17	A0561	26	34	21	A0576	33	40	27,2	A0593	41	46	32	8	8 - 7
A0542	17	24	13,6	A0551	21	30,5	17	A0562	26	34	21	A0577	33	40	27,2	A0594	41	46	32	9	9 - 8
A0543	17	24	13,6	A0552	21	30,5	17	A0563	26	34	21	A0578	33	40	27,2	A0595	41	46	32	10	10 - 9
				A0553	21	30,5	17	A0564	26	34	21	A0579	33	40	27,2	A0596	41	46	32	11	11 - 10
				A0554	21	30,5	17	A0565	26	34	21	A0580	33	40	27,2	A0597	41	46	32	12	12 - 11
								A0566	26	34	21	A0581	33	40	27,2	A0598	41	46	32	13	13 - 12
								A0567	26	34	21	A0582	33	40	27,2	A0599	41	46	32	14	14 - 13
								A0568	26	34	21	A0583	33	40	27,2	A0600	41	46	32	15	15 - 14
								A0569	26	34	21	A0584	33	40	27,2	A0601	41	46	32	16	16 - 15
								A0570	26	34	21	A0585	33	40	27,2	A0602	41	46	32	17	17 - 16
												A0586	33	40	27,2	A0603	41	46	32	18	18 - 17
												A0587	33	40	27,2	A0604	41	46	32	19	19 - 18
												A0588	33	40	27,2	A0605	41	46	32	20	20 - 19
																A0606	41	46	32	21	21 - 20
																A0607	41	46	32	22	22 - 21
																A0608	41	46	32	23	23 - 22
																A0609	41	46	32	24	24 - 23
																A0610	41	46	32	25	25 - 24
																A0611	41	46	32	26	26 - 25

MANUFACTURING MATERIAL

STEEL

ER collets "MF" for tapping

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



ER11			ER16			ER20			ER25			
Part code	D	L	Part code	D	L	Part code	D	L	Part code	D	L	d
A0786	11,5	18	A0794	17	27,5	A0807	21	31,5	A0822	26	34	3,5
A0787	11,5	18	A0795	17	27,5	A0808	21	31,5	A0823	26	34	3,55
A0788	11,5	18	A0796	17	27,5	A0809	21	31,5	A0824	26	34	4
A0789	11,5	18	A0797	17	27,5	A0810	21	31,5	A0825	26	34	4,5
A0790	11,5	18	A0798	17	27,5	A0811	21	31,5	A0826	26	34	5
A0791	11,5	18	A0799	17	27,5	A0812	21	31,5	A0827	26	34	5,5
A0792	11,5	18	A0800	17	27,5	A0813	21	31,5	A0828	26	34	5,6
A0793	11,5	18	A0801	17	27,5	A0814	21	31,5	A0829	26	34	6
			A0802	17	27,5	A0815	21	31,5	A0830	26	34	6,2
			A0803	17	27,5	A0816	21	31,5	A0831	26	34	6,3
			A0804	17	27,5	A0817	21	31,5	A0832	26	34	7
			A0805	17	27,5	A0818	21	31,5	A0833	26	34	7,1
			A0806	17	27,5	A0819	21	31,5	A0834	26	34	8
						A0820	21	31,5	A0835	26	34	9
						A0821	21	31,5	A0836	26	34	10
									A0837	26	34	11
									A0838	26	34	11,2
									A0839	26	34	12,5

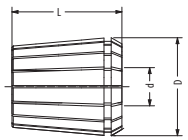
● MANUFACTURING MATERIAL

STEEL

ER32			ER40			ER50			
Part code	D	L	Part code	D	L	Part code	D	L	d
A0840	33	40	-	-	-	-	-	-	4
A0841	33	40	-	-	-	-	-	-	4,5
A0842	33	40	-	-	-	-	-	-	5
A0843	33	40	-	-	-	-	-	-	5,5
A0844	33	40	-	-	-	-	-	-	5,6
A0845	33	40	A0858	41	46	-	-	-	6
A0846	33	40	A0859	41	46	-	-	-	6,2
A0847	33	40	A0860	41	46	-	-	-	6,3
A0848	33	40	A0861	41	46	-	-	-	7
A0849	33	40	A0862	41	46	-	-	-	7,1
A0850	33	40	A0863	41	46	A0873	52	60	8
A0851	33	40	A0864	41	46	A0874	52	60	9
A0852	33	40	A0865	41	46	A0875	52	60	10
A0853	33	40	A0866	41	46	A0876	52	60	11
A0854	33	40	A0867	41	46	A0877	52	60	11,2
A0855	33	40	A0868	41	46	A0878	52	60	12,5
A0856	33	40	A0869	41	46	A0879	52	60	14
A0857	33	40	A0870	41	46	A0880	52	60	16
			A0871	41	46	A0881	52	60	18
			A0872	41	46	A0882	52	60	20
						A0883	52	60	22
						A0884	52	60	22,4
						A0885	52	60	25
						A0886	52	60	28
						A0887	52	60	31,5
						A0888	52	60	32

ER collets "RF" sealed

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



ER11				ER16				ER20				ER25				
Standard	Ultra Precision	D	L	Standard	Ultra Precision	D	L	Standard	Ultra Precision	D	L	Standard	Ultra Precision	D	L	d
Part code	Part code			Part code	Part code			Part code	Part code			Part code	Part code			
A0971	A1162	11,5	18	A0982	A1173	17	27,5	-	-	-	-	-	-	-	-	1
A0972	A1163	11,5	18	A0983	A1174	17	27,5	A0996	A1187	21	31,5	A1015	A1015	26	34	2
A0973	A1164	11,5	18	A0984	A1175	17	27,5	A0997	A1188	21	31,5	A1016	A1016	26	34	3
A0974	A1165	11,5	18	A0985	A1176	17	27,5	A0998	A1189	21	31,5	A1017	A1017	26	34	3,5
A0975	A1166	11,5	18	A0986	A1177	17	27,5	A0999	A1190	21	31,5	A1018	A1018	26	34	4
A0976	A1167	11,5	18	A0987	A1178	17	27,5	A1000	A1191	21	31,5	A1019	A1019	26	34	4,5
A0977	A1168	11,5	18	A0988	A1179	17	27,5	A1001	A1192	21	31,5	A1020	A1020	26	34	5
A0978	A1169	11,5	18	A0989	A1180	17	27,5	A1002	A1193	21	31,5	A1021	A1021	26	34	5,5
A0979	A1170	11,5	18	A0990	A1181	17	27,5	A1003	A1194	21	31,5	A1022	A1022	26	34	6
A0980	A1171	11,5	18	A0991	A1182	17	27,5	A1004	A1195	21	31,5	A1023	A1023	26	34	6,5
A0981	A1172	11,5	18	A0992	A1183	17	27,5	A1005	A1196	21	31,5	A1024	A1024	26	34	7
				-	-	-	-	A1006	A1197	21	31,5	A1025	A1025	26	34	7,5
				A0993	A1184	17	27,5	A1007	A1198	21	31,5	A1026	A1026	26	34	8
				-	-	-	-	A1008	A1199	21	31,5	A1027	A1027	26	34	8,5
				A0994	A1185	17	27,5	A1009	A1200	21	31,5	A1028	A1028	26	34	9
				-	-	-	-	A1010	A1201	21	31,5	A1029	A1029	26	34	9,5
				A0995	A1186	17	27,5	A1011	A1202	21	31,5	A1030	A1030	26	34	10
								-	-	-	-	A1031	A1031	26	34	10,5
								A1012	A1203	21	31,5	A1032	A1032	26	34	11
								-	-	-	-	A1033	A1033	26	34	11,5
								A1013	A1204	21	31,5	A1034	A1034	26	34	12
								-	-	-	-	A1035	A1035	26	34	12,5
								A1014	A1205	21	31,5	A1036	A1036	26	34	13
												A1037	A1037	26	34	14
												A1038	A1038	26	34	15
												A1039	A1039	26	34	16

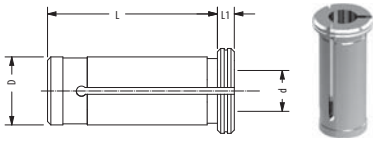
● MANUFACTURING MATERIAL

STEEL

ER32				ER40				ER50				
Standard	Ultra Precision	D	L	Standard	Ultra Precision	D	L	Standard	Ultra Precision	D	L	d
Part code	Part code			Part code	Part code			Part code	Part code			
A1040	A1231	33	40	-	-	-	-	-	-	-	-	3
A1041	A1232	33	40	A1071	A1262	41	46	-	-	-	-	3,5
A1042	A1233	33	40	A1072	A1263	41	46	-	-	-	-	4
A1043	A1234	33	40	A1073	A1264	41	46	-	-	-	-	4,5
A1044	A1235	33	40	A1074	A1265	41	46	A1111	A1302	52	60	5
A1045	A1236	33	40	A1075	A1266	41	46	A1112	A1303	52	60	5,5
A1046	A1237	33	40	A1076	A1267	41	46	A1113	A1304	52	60	6
A1047	A1238	33	40	A1077	A1268	41	46	A1114	A1305	52	60	6,5
A1048	A1239	33	40	A1078	A1269	41	46	A1115	A1306	52	60	7
A1049	A1240	33	40	A1079	A1270	41	46	A1116	A1307	52	60	7,5
A1050	A1241	33	40	A1080	A1271	41	46	A1117	A1308	52	60	8
A1051	A1242	33	40	A1081	A1272	41	46	A1118	A1309	52	60	8,5
A1052	A1243	33	40	A1082	A1273	41	46	A1119	A1310	52	60	9
A1053	A1244	33	40	A1083	A1274	41	46	A1120	A1311	52	60	9,5
A1054	A1245	33	40	A1084	A1275	41	46	A1121	A1312	52	60	10
A1055	A1246	33	40	A1085	A1276	41	46	A1122	A1313	52	60	10,5
A1056	A1247	33	40	A1086	A1277	41	46	A1123	A1314	52	60	11
A1057	A1248	33	40	A1087	A1278	41	46	A1124	A1315	52	60	11,5
A1058	A1249	33	40	A1088	A1279	41	46	A1125	A1316	52	60	12
A1059	A1250	33	40	A1089	A1280	41	46	A1126	A1317	52	60	12,5
A1060	A1251	33	40	A1090	A1281	41	46	A1127	A1318	52	60	13
A1061	A1252	33	40	A1091	A1282	41	46	A1128	A1319	52	60	13,5
A1062	A1253	33	40	A1092	A1283	41	46	A1129	A1320	52	60	14
A1063	A1254	33	40	A1093	A1284	41	46	A1130	A1321	52	60	14,5
A1064	A1255	33	40	A1094	A1285	41	46	A1131	A1322	52	60	15
A1065	A1256	33	40	A1095	A1286	41	46	A1132	A1323	52	60	15,5
A1066	A1257	33	40	A1096	A1287	41	46	A1133	A1324	52	60	16
-	-	-	-	A1097	A1288	41	46	A1134	A1325	52	60	16,5
A1067	A1258	33	40	A1098	A1289	41	46	A1135	A1326	52	60	17
-	-	-	-	A1099	A1290	41	46	A1136	A1327	52	60	17,5
A1068	A1259	33	40	A1100	A1291	41	46	A1137	A1328	52	60	18
-	-	-	-	A1101	A1292	41	46	A1138	A1329	52	60	18,5
A1069	A1260	33	40	A1102	A1293	41	46	A1139	A1330	52	60	19
-	-	-	-	A1103	A1294	41	46	A1140	A1331	52	60	19,5
A1070	A1261	33	40	A1104	A1295	41	46	A1141	A1332	52	60	20
				-	-	-	-	A1142	A1333	52	60	20,5
				A1105	A1296	41	46	A1143	A1334	52	60	21
				-	-	-	-	A1144	A1335	52	60	21,5
				A1106	A1297	41	46	A1145	A1336	52	60	22
				-	-	-	-	A1146	A1337	52	60	22,5
				A1107	A1298	41	46	A1147	A1338	52	60	23
				-	-	-	-	A1148	A1339	52	60	23,5
				A1108	A1299	41	46	A1149	A1340	52	60	24
				-	-	-	-	A1150	A1341	52	60	24,5
				A1109	A1300	41	46	A1151	A1342	52	60	25
				-	-	-	-	A1152	A1343	52	60	25,5
				A1110	A1301	41	46	A1153	A1344	52	60	26
								A1154	A1345	52	60	27
								A1155	A1346	52	60	28
								A1156	A1347	52	60	29
								A1157	A1348	52	60	30
								A1158	A1349	52	60	31
								A1159	A1350	52	60	32
								A1160	A1351	52	60	33
								A1161	A1352	52	60	34

Cylindrical collets

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



CYLINDRICAL COLLETS

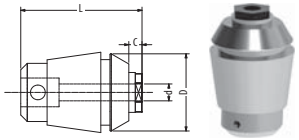
Part code	Description	D	d	L	L1
A1353	cylindrical collet	20	4	50	5
A1354	cylindrical collet	20	6	50	5
A1355	cylindrical collet	20	8	50	5
A1356	cylindrical collet	20	10	50	5
A1357	cylindrical collet	20	12	50	5
A1358	cylindrical collet	20	14	50	5
A1359	cylindrical collet	20	16	50	5
A1360	cylindrical collet	25	4	55	5
A1361	cylindrical collet	25	6	55	5
A1362	cylindrical collet	25	8	55	5
A1363	cylindrical collet	25	10	55	5
A1364	cylindrical collet	25	12	55	5
A1365	cylindrical collet	25	16	55	5
A1366	cylindrical collet	25	20	55	5
A1367	cylindrical collet	32	4	60	5
A1368	cylindrical collet	32	6	60	5
A1369	cylindrical collet	32	8	60	5
A1370	cylindrical collet	32	10	60	5
A1371	cylindrical collet	32	12	60	5
A1372	cylindrical collet	32	16	60	5
A1373	cylindrical collet	32	20	60	5
A1374	cylindrical collet	32	25	60	5

MANUFACTURING MATERIAL

STEEL

ER Collets "AM" with traction compensation

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



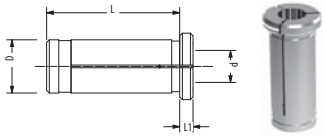
ER16				ER20				ER25				ER32				ER40				
Part code	D	L	C	Part code	D	L	C	Part code	D	L	C	Part code	D	L	C	Part code	D	L	C	d
A0889	17	27	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,4
A0890	17	27	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,6
A0891	17	27	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,8
A0892	17	27	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
A0893	17	27	7	A0907	21	31	7	-	-	-	-	-	-	-	-	-	-	-	-	2,2
A0894	17	27	7	A0908	21	31	7	-	-	-	-	-	-	-	-	-	-	-	-	2,24
A0895	17	27	7	A0909	21	31	7	A0924	26	34	8	-	-	-	-	-	-	-	-	2,5
A0896	17	27	7	A0910	21	31	7	A0925	26	34	8	-	-	-	-	-	-	-	-	2,8
A0897	17	27	7	A0911	21	31	7	A0926	26	34	8	-	-	-	-	-	-	-	-	3
A0898	17	27	7	A0912	21	31	7	A0927	26	34	8	-	-	-	-	-	-	-	-	3,15
A0899	17	27	7	A0913	21	31	7	A0928	26	34	8	-	-	-	-	-	-	-	-	3,5
A0900	17	27	7	A0914	21	31	7	A0929	26	34	8	-	-	-	-	-	-	-	-	3,55
A0901	17	27	7	A0915	21	31	7	A0930	26	34	8	-	-	-		-	-	-	-	4
A0902	17	27	7	A0916	21	31	7	A0931	26	34	8	A0943	33	43	10	-	-	-	-	4,5
A0903	17	27	7	A0917	21	31	7	A0932	26	34	8	A0944	33	43	10	-	-	-	-	5
A0904	17	27	7	A0918	21	31	7	A0933	26	34	8	A0945	33	43	10	-	-	-	-	5,5
A0905	17	27	7	A0919	21	31	7	A0934	26	34	8	A0946	33	43	10	-	-	-	-	5,6
A0906	17	27	7	A0920	21	31	7	A0935	26	34	8	A0947	33	43	10	A0958	41	54	13	6
				A0921	21	31	7	A0936	26	34	8	A0948	33	43	10	A0959	41	54	13	6,2
				A0922	21	31	7	A0937	26	34	8	A0949	33	43	10	A0960	41	54	13	6,3
				A0923	21	31	7	A0938	26	34	8	A0950	33	43	10	A0961	41	54	13	7
								A0939	26	34	8	A0951	33	43	10	A0962	41	54	13	7,1
								A0940	26	34	8	A0952	33	43	10	A0963	41	54	13	8
								A0941	26	34	8	A0953	33	43	10	A0964	41	54	13	9
								A0942	26	34	8	A0954	33	43	10	A0965	41	54	13	10
												A0955	33	43	10	A0966	41	54	13	11
												A0956	33	43	10	A0967	41	54	13	11,2
												A0957	33	43	10	A0968	41	54	13	12,5
																A0969	41	54	13	14
																A0970	41	54	13	16

MANUFACTURING MATERIAL

STEEL

Collets for Hydro Chucks

The broadness of IMS collets selection allows you to interface and use a collet chuck with a wide range of tools. Thanks to the different degrees of precision and to the optional anti-rust treatments, the IMS collets line satisfies every request and is suitable for any routing and milling application.



COLLETS FOR HYDRO CHUCKS

Part code	Description	D	d	L	L1	Capacity
A1375	collet for hydro chucks	12	3	44	2	3
A1376	collet for hydro chucks	12	4	44	2	4
A1377	collet for hydro chucks	12	5	44	2	5
A1378	collet for hydro chucks	12	6	44	2	6
A1379	collet for hydro chucks	12	7	44	2	7
A1380	collet for hydro chucks	12	8	44	2	8
A1381	collet for hydro chucks	12	9	44	2	9
A1382	collet for hydro chucks	12	10	44	2	10
A1383	collet for hydro chucks	20	3	50	2	3
A1384	collet for hydro chucks	20	4	50	2	4
A1385	collet for hydro chucks	20	5	50	2	5
A1386	collet for hydro chucks	20	6	50	2	6
A1387	collet for hydro chucks	20	7	50	2	7
A1388	collet for hydro chucks	20	8	50	2	8
A1389	collet for hydro chucks	20	9	50	2	9
A1390	collet for hydro chucks	20	10	50	2	10
A1391	collet for hydro chucks	20	11	50	2	11
A1392	collet for hydro chucks	20	12	50	2	12
A1393	collet for hydro chucks	20	13	50	2	13
A1394	collet for hydro chucks	20	14	50	2	14
A1395	collet for hydro chucks	20	15	50	2	15
A1396	collet for hydro chucks	20	16	50	2	16
A1397	collet for hydro chucks	20	17	50	2	17
A1398	collet for hydro chucks	20	18	50	2	18
A1399	collet for hydro chucks	25	3	56	3	3
A1400	collet for hydro chucks	25	4	56	3	4

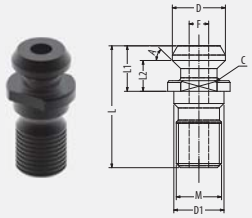
• MANUFACTURING MATERIAL

STEEL

Part code	Description	D	d	L	L1	Capacity
A1401	collet for hydro chucks	25	5	56	3	5
A1402	collet for hydro chucks	25	6	56	3	6
A1403	collet for hydro chucks	25	7	56	3	7
A1404	collet for hydro chucks	25	8	56	3	8
A1405	collet for hydro chucks	25	9	56	3	9
A1406	collet for hydro chucks	25	10	56	3	10
A1407	collet for hydro chucks	25	11	56	3	11
A1408	collet for hydro chucks	25	12	56	3	12
A1409	collet for hydro chucks	25	13	56	3	13
A1410	collet for hydro chucks	25	14	56	3	14
A1411	collet for hydro chucks	25	15	56	3	15
A1412	collet for hydro chucks	25	16	56	3	16
A1413	collet for hydro chucks	25	17	56	3	17
A1414	collet for hydro chucks	25	18	56	3	18
A1415	collet for hydro chucks	25	19	56	3	19
A1416	collet for hydro chucks	25	20	56	3	20
A1417	collet for hydro chucks	25	21	56	3	21
A1418	collet for hydro chucks	25	22	56	3	22
A1419	collet for hydro chucks	32	3	60	3	3
A1420	collet for hydro chucks	32	4	60	3	4
A1421	collet for hydro chucks	32	5	60	3	5
A1422	collet for hydro chucks	32	6	60	3	6
A1423	collet for hydro chucks	32	7	60	3	7
A1424	collet for hydro chucks	32	8	60	3	8
A1425	collet for hydro chucks	32	9	60	3	9
A1426	collet for hydro chucks	32	10	60	3	10
A1427	collet for hydro chucks	32	11	60	3	11
A1428	collet for hydro chucks	32	12	60	3	12
A1429	collet for hydro chucks	32	13	60	3	13
A1430	collet for hydro chucks	32	14	60	3	14
A1431	collet for hydro chucks	32	15	60	3	15
A1432	collet for hydro chucks	32	16	60	3	16
A1433	collet for hydro chucks	32	17	60	3	17
A1434	collet for hydro chucks	32	18	60	3	18
A1435	collet for hydro chucks	32	19	60	3	19
A1436	collet for hydro chucks	32	20	60	3	20
A1437	collet for hydro chucks	32	21	60	3	21
A1438	collet for hydro chucks	32	22	60	3	22
A1439	collet for hydro chucks	32	23	60	3	23
A1440	collet for hydro chucks	32	24	60	3	24
A1441	collet for hydro chucks	32	25	60	3	25
A1442	collet for hydro chucks	32	26	60	3	26
A1443	collet for hydro chucks	32	27	60	3	27
A1444	collet for hydro chucks	32	28	60	3	28

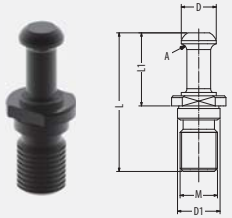
Pull Studs

IMS Pull Studs are manufactured following international standards and are a perfect replacement for the retainer knobs provided by the OEM. The special Darkside treatment provides a total protection against rust, even in the most difficult work environments. On request, IMS Pull Studs can be purchased in the non-Darkside version for increased hardness.



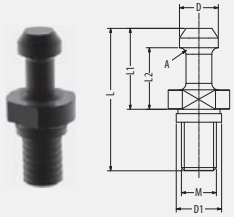
"MAZAK" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF00	"Mazak" pull stud	SK 40	18,79	17	41,25	16,25	11,17	19	7	M16	45°
AAF01	"Mazak" pull stud	SK 40	18,79	17	44,1	19,1	14,02	19	7	M16	45°
AAF02	"Mazak" pull stud	SK 50	28,95	25	65,4	25,4	17,78	30	10	M24	45°



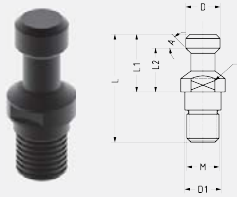
"RAMBAUDI" PULL STUDS

Part code	Description	SK	D	D1	L	C	M	A
AAF03	"Rambaudi" pull stud	SK 40	14,6	17	52	19	M16	Radius
AAF04	"Rambaudi" pull stud	SK 50	20	25	79,5	30	M24	Radius



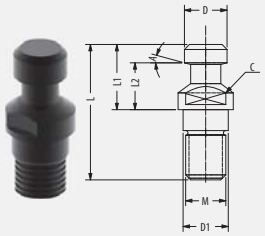
SK PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF05	pull stud	SK 10	6	7	22	12	10	8	M6	Radius



"COLOMBO & GIORDANO" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF06	"Colombo & Giordano" pull stud	SK 15	9	6,5	23	12	10	8	M6	45°
AAF07	"Colombo & Giordano" pull stud	SK 20	8,1	8,5	27	14	10	9	M8	45°
AAF08	"Colombo & Giordano" pull stud	SK 25	10	8,5	31	19	14	10	M8	45°
AAF09	"Colombo & Giordano" pull stud	SK 30	13	13	44	24	19	14	M12	45°



"ELTE" PULL STUDS

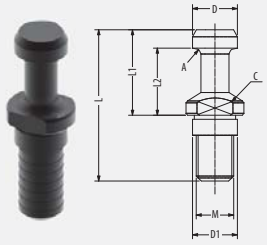
Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF10	"Elte" pull stud	SK 20	8,5	8,5	28	14	11	9	M8	15°

"MORBIDELLI" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF11	"Morbidelli" pull stud	SK 30	8,5	11	39	22	18	13	M8	Radius

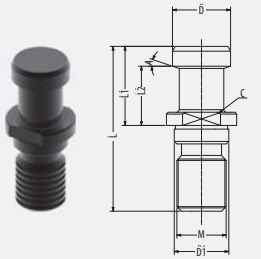
"HITECO"-"HSD"-"BIESSE" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF12	"Hiteco"-"HSD"-"Biesse" pull stud	SK 30	12	13	44	24	19	14	M12	Radius



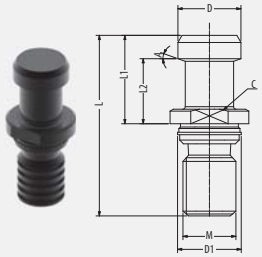
"CMS" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF13	"CMS" pull stud	SK 30	13	13	44	24	19	14	M12	Radius



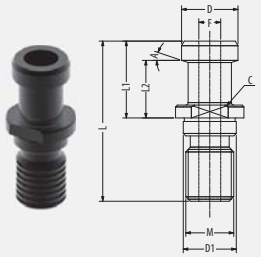
PULL STUDS SK 7388/2-A WITHOUT COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF14	pull studs SK 7388/2-A without coolant through	SK 30	12	13	44	24	19	14	M12	15°
AAF15	pull studs SK 7388/2-A without coolant through	SK 40	19	17	54	26	20	19	M16	15°
AAF16	pull studs SK 7388/2-A without coolant through	SK 45	23	21	65	30	23	24	M20	15°
AAF17	pull studs SK 7388/2-A without coolant through	SK 50	28	25	74	34	25	30	M24	15°



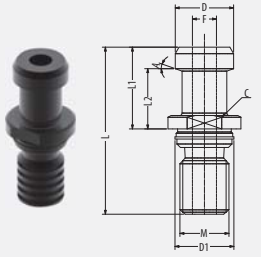
PULL STUDS SK 7388/2-A WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF18	pull studs SK 7388/2-A without coolant through, with O-Ring	SK 40	19	17	54	26	20	19	M16	15°
AAF19	pull studs SK 7388/2-A without coolant through, with O-Ring	SK 45	23	21	65	30	23	24	M20	15°
AAF20	pull studs SK 7388/2-A without coolant through, with O-Ring	SK 50	28	25	74	34	25	30	M24	15°



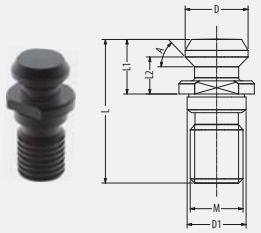
PULL STUDS SK 7388/2-A WITH COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF21	pull studs SK 7388/2-A with coolant through	SK 30	12	13	44	24	19	14	3	M12	15°
AAF22	pull studs SK 7388/2-A with coolant through	SK 40	19	17	54	26	20	19	7	M16	15°
AAF23	pull studs SK 7388/2-A with coolant through	SK 45	23	21	65	30	23	24	9,5	M20	15°
AAF24	pull studs SK 7388/2-A with coolant through	SK 50	28	25	74	34	25	30	11	M24	15°



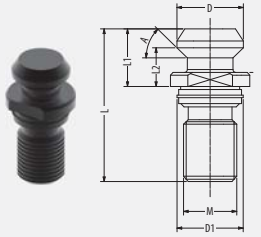
PULL STUDS SK 7388/2-A WITH COOLANT THROUGH, WITH O-RING

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF25	pull studs SK 7388/2-A with coolant through, with O-Ring	SK 40	19	17	54	26	20	19	7	M16	15°
AAF26	pull studs SK 7388/2-A with coolant through, with O-Ring	SK 45	23	21	65	30	23	24	9,5	M20	15°
AAF27	pull studs SK 7388/2-A with coolant through, with O-Ring	SK 50	28	25	74	34	25	30	11	M24	15°



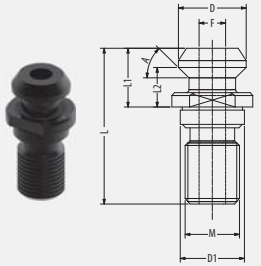
PULL STUDS SK 7388/2-B 45° WITHOUT COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF28	pull studs sk 7388/2-b 45° without coolant through	SK 30	13,3	13	34	11,8	8,1	14	M12	45°
AAF29	pull studs sk 7388/2-b 45° without coolant through	SK 40	18,9	17	44,5	16,4	11,1	18	M16	45°
AAF30	pull studs sk 7388/2-b 45° without coolant through	SK 45	24,05	21	56	20,9	14,8	24	M20	45°
AAF31	pull studs sk 7388/2-b 45° without coolant through	SK 50	29,1	25	65,5	25,5	17,9	30	M24	45°



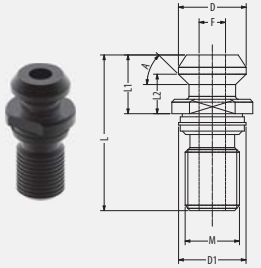
PULL STUDS SK 7388/2-B 45° WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF32	pull studs sk 7388/2-b 45° without coolant through, with O-Ring	SK 40	18,9	17	44,5	16,4	11,1	18	M16	45°
AAF33	pull studs sk 7388/2-b 45° without coolant through, with O-Ring	SK 45	24,05	21	56	20,9	14,8	24	M20	45°
AAF34	pull studs sk 7388/2-b 45° without coolant through, with O-Ring	SK 50	29,1	25	65,5	25,6	17,9	30	M24	45°



PULL STUDS SK 7388/2-B 45° WITH COOLANT THROUGH

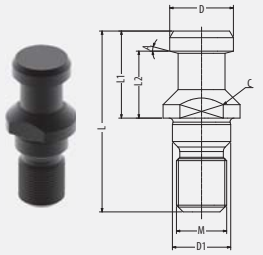
Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF35	pull studs sk 7388/2-b 45° with coolant through	SK 40	18,9	17	44,5	16,4	11,1	18	7,3	M16	45°
AAF36	pull studs sk 7388/2-b 45° with coolant through	SK 45	24	21	56	20,9	14,8	24	9,5	M20	45°
AAF37	pull studs sk 7388/2-b 45° with coolant through	SK 50	29,1	25	65,5	25,5	17,9	30	11,5	M24	45°



PULL STUDS SK 7388/2-B ANSI 45° WITH COOLANT THROUGH, WITH O-RING

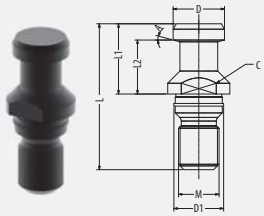
Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF38	pull studs sk 7388/2-b ansi 45° with coolant through, with O-Ring	SK 40	18,9	17	44,5	16,4	11,1	18	7,3	M16	45°
AAF39	pull studs sk 7388/2-b ansi 45° with coolant through, with O-Ring	SK 45	24,05	21	56	20,9	14,8	24	9,5	M20	45°
AAF40	pull studs sk 7388/2-b ansi 45° with coolant through, with O-Ring	SK 50	29,1	25	65,5	25,5	17,9	30	11,5	M24	45°

Pull Studs



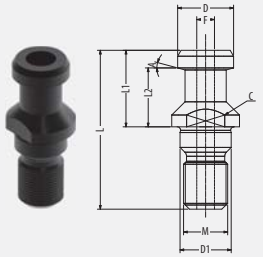
PULL STUDS SK DIN 69872/B WITHOUT COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF41	pull studs sk DIN 69872/B without coolant through	SK 30	13	13	44	24	19	14	M12	15°
AAF42	pull studs sk DIN 69872/B without coolant through	SK 40	19	17	54	26	20	19	M16	15°
AAF43	pull studs sk DIN 69872/B without coolant through	SK 45	23	21	65	30	23	24	M20	15°
AAF44	pull studs sk DIN 69872/B without coolant through	SK 50	28	25	74	34	25	30	M24	15°
AAF45	pull studs sk DIN 69872/B without coolant through	SK 60	40	32	90	40	30	46	M30	15°



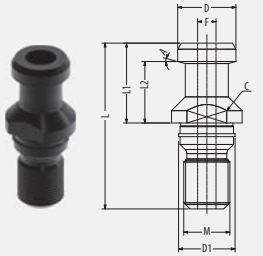
PULL STUDS SK DIN 69872/B WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF46	pull studs sk DIN 69872/B without coolant through, with O-Ring	SK 40	19	17	54	26	20	19	M16	15°
AAF47	pull studs sk DIN 69872/B without coolant through, with O-Ring	SK 45	23	21	65	30	23	24	M20	15°
AAF48	pull studs sk DIN 69872/B without coolant through, with O-Ring	SK 50	28	25	74	34	25	30	M24	15°



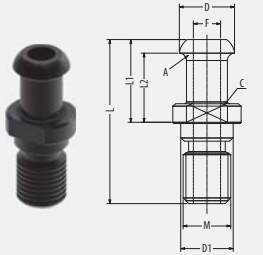
PULL STUDS SK DIN 69872/B WITH COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF49	pull studs sk DIN 69872/B with coolant through	SK 40	19	17	54	26	20	19	7	M16	15°
AAF50	pull studs sk DIN 69872/B with coolant through	SK 45	23	21	65	30	23	24	9,5	M20	15°
AAF51	pull studs sk DIN 69872/B with coolant through	SK 50	28	25	74	34	25	30	11,5	M24	15°
AAF52	pull studs sk DIN 69872/B with coolant through	SK 60	40	32	90	40	30	46	14	M30	15°



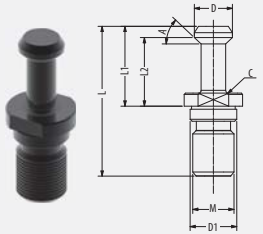
PULL STUDS SK DIN 69872/B WITH COOLANT THROUGH, WITH O-RING

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF53	pull studs sk DIN 69872/B with coolant through, with O-Ring	SK 40	19	17	54	24	20	19	7	M16	15°
AAF54	pull studs sk DIN 69872/B with coolant through, with O-Ring	SK 45	23	21	65	26	23	24	9,5	M20	15°
AAF55	pull studs sk DIN 69872/B with coolant through, with O-Ring	SK 50	28	25	74	30	25	30	11,5	M24	15°



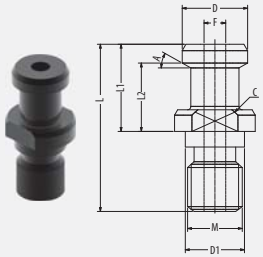
"CB FERRARI" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF56	"CB Ferrari" pull studs	SK 40	19	17	54	26	20,31	19	5	M16	Raggio



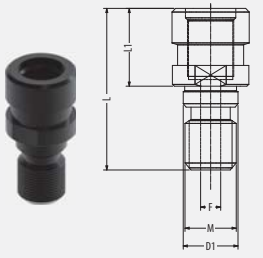
"CHIRON" PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	M	A
AAF57	"Chiron" pull studs	SK 30	10	13	36	20	15	14	M12	45°



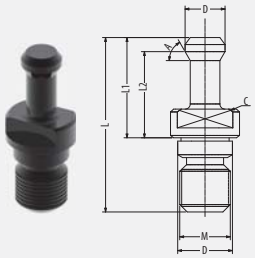
JIS B 6339 PULL STUDS

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAF58	JIS B 6339 pull studs	SK 40	19	17	54	29	23	19	7	M16	15°



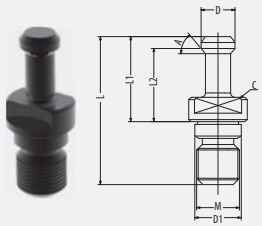
ADAPTER PULL STUD FROM SK/BT TO DIN2080

Part code	Description	TYPE	D	D1	L	L1	C	F	M
AAF59	adapter pull stud from SK/BT to DIN2080	SK 40/DIN 2080	25,3	17	53	25	19	4	M16
AAF60	adapter pull stud from SK/BT to DIN2080	BT 40/DIN 2080	25,3	17	56	28	19	4	M16
AAF61	adapter pull stud from SK/BT to DIN2080	BT 50/DIN 2080	39,6	25	65	25	30	6	M24



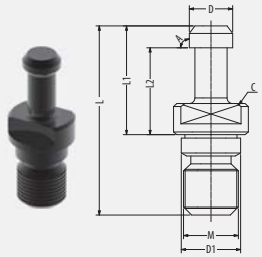
ADAPTER PULL STUD FROM BT TO SK 30° WITHOUT COOLANT THROUGH

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF62	adapter pull stud from bt to sk 30° without coolant through	BT/SK 40	15	17	57	32	19	M16	30°



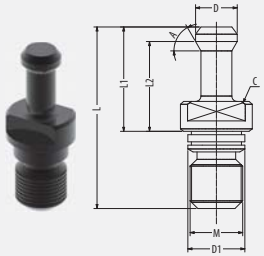
ADAPTER PULL STUD FROM BT TO SK 45° WITHOUT COOLANT THROUGH

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF63	adapter pull stud from bt to sk 45° without coolant through	BT/SK 40	15	17	57	32	19	M16	45°



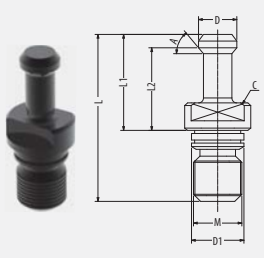
ADAPTER PULL STUD FROM BT TO SK 90° WITHOUT COOLANT THROUGH

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF64	adapter pull stud from bt to sk 90° without coolant through	BT/SK 40	15	17	57	32	19	M16	90°



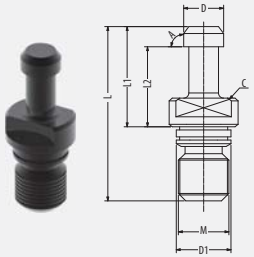
ADAPTER PULL STUD FROM BT TO SK 30° WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF65	adapter pull stud from bt to sk 30° without coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	M16	30°



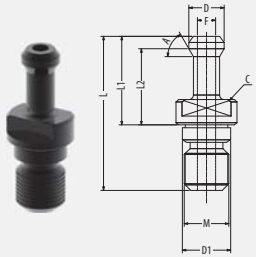
ADAPTER PULL STUD FROM BT TO SK 45° WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF66	adapterpull stud from bt to sk 45° without coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	M16	45°



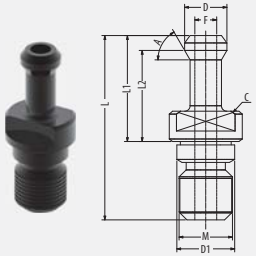
ADAPTER PULL STUD FROM BT TO SK 90° WITHOUT COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	M	A
AAF67	adapterpull stud from bt to sk 90° without coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	M16	90°



ADAPTER PULL STUD FROM BT TO SK 30° WITH COOLANT THROUGH

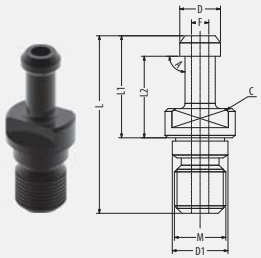
Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF68	adapter pull stud from bt to sk 30° with coolant through	BT/SK 40	15	17	57	32	19	4	M16	30°



ADAPTER PULL STUD FROM BT TO SK 45° WITH COOLANT THROUGH

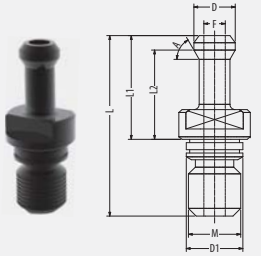
Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF69	adapter pull stud from bt to sk 45° with coolant through	BT/SK 40	15	17	57	32	19	4	M16	45°

Pull Studs



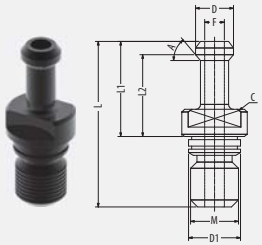
ADAPTER PULL STUD FROM BT TO SK 90° WITH COOLANT THROUGH

Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF70	adapter pull stud from bt to sk 90° with coolant through	BT/SK 40	15	17	57	32	19	4	M16	90°



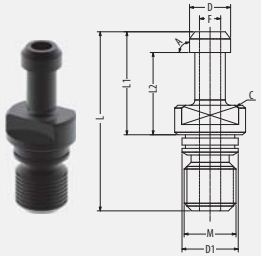
ADAPTER PULL STUD FROM BT TO SK 30° WITH COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF71	adapter pull stud from bt to sk 30° with coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	4	M16	30°



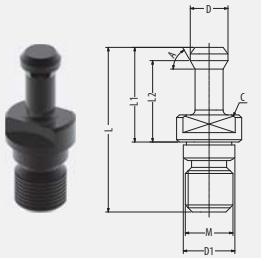
ADAPTER PULL STUD FROM BT TO SK 45° WITH COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF72	adapter pull stud from bt to sk 45° with coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	4	M16	45°



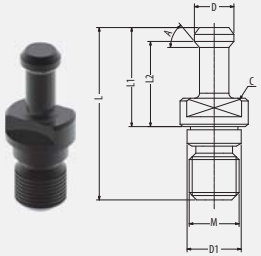
ADAPTER PULL STUD FROM BT TO SK 90° WITH COOLANT THROUGH, WITH O-RING

Part code	Description	BT/SK	D	D1	L	L1	C	F	M	A
AAF73	adapter pull stud from bt to sk 90° with coolant through, with O-Ring	BT/SK 40	15	17	57	32	19	4	M16	90°



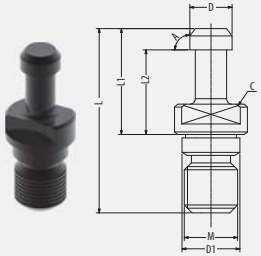
PULL STUD BT 30° WITHOUT COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	M	A
AAF74	pull stud bt 30° without coolant through	BT 30	11	12,5	43	23	14	M12	30°
AAF76	pull stud bt 30° without coolant through	BT 40	15	17	60	35	19	M16	30°
AAF79	pull stud bt 30° without coolant through	BT 50	23	25	85	45	30	M24	30°



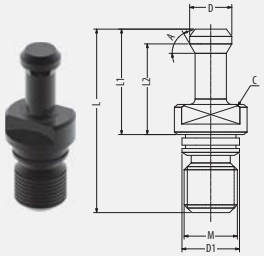
PULL STUD BT 45° WITHOUT COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	M	A
AAF75	pull stud bt 45° without coolant through	BT 30	11	12,5	43	23	14	M12	45°
AAF77	pull stud bt 45° without coolant through	BT 40	15	17	60	35	19	M16	45°
AAF80	pull stud bt 45° without coolant through	BT 50	23	25	85	45	30	M24	45°



PULL STUD BT 90° WITHOUT COOLANT THROUGH

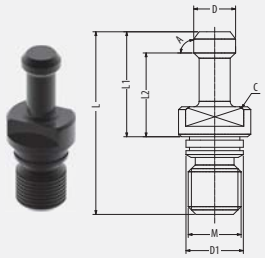
Part code	Description	BT	D	D1	L	L1	C	M	A
AAF78	pull stud bt 90° without coolant through	BT 40	15	17	60	35	19	M16	90°
AAF81	pull stud bt 90° without coolant through	BT 50	23	25	85	45	30	M24	90°



PULL STUD BT 30° WITHOUT COOLANT THROUGH WITH O-RING

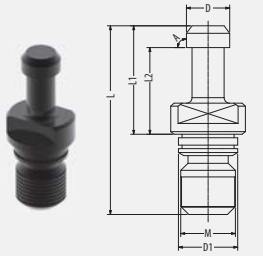
Part code	Description	BT	D	D1	L	L1	C	M	A
AAF82	pull stud bt 30° without coolant through with O-Ring	BT 40	15	17	60	35	19	M16	30°
AAF85	pull stud bt 30° without coolant through with O-Ring	BT 50	23	25	85	45	30	M24	30°

Pull Studs



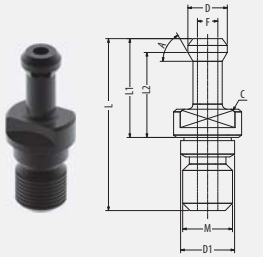
PULL STUD BT 45° WITHOUT COOLANT THROUGH WITH O-RING

Part code	Description	BT	D	D1	L	L1	C	M	A
AAF83	pull stud bt 45° without coolant through with o-ring	BT 40	15	17	60	35	19	M16	45°
AAF86	pull stud bt 45° without coolant through with o-ring	BT 50	23	25	85	45	30	M24	45°



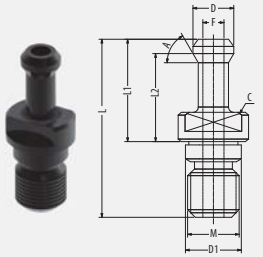
PULL STUD BT 90° WITHOUT COOLANT THROUGH WITH O-RING

Part code	Description	BT	D	D1	L	L1	C	M	A
AAF84	pull stud bt 90° without coolant through with o-ring	BT 40	15	17	60	35	19	M16	90°
AAF87	pull stud bt 90° without coolant through with o-ring	BT 50	23	25	85	45	30	M24	90°



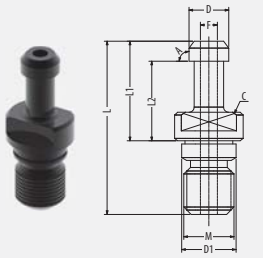
PULL STUD BT 30° WITH COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF88	pull stud bt 30° with coolant through	BT 40	15	17	60	35	19	4	M16	30°
AAF91	pull stud bt 30° with coolant through	BT 50	23	25	85	45	30	6	M24	30°



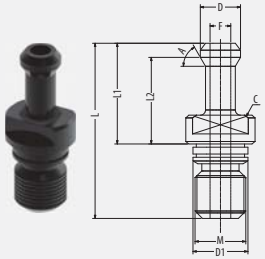
PULL STUD BT 45° WITH COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF89	pull stud bt 45° with coolant through	BT 40	15	17	60	35	19	4	M16	45°
AAF92	pull stud bt 45° with coolant through	BT 50	23	25	85	45	30	6	M24	45°



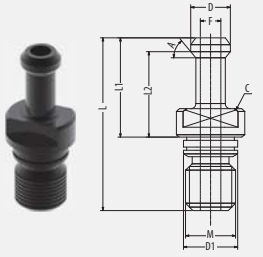
PULL STUD BT 90° WITH COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF90	pull stud bt 90° with coolant through	BT 40	15	17	60	35	19	4	M16	90°
AAF93	pull stud bt 90° with coolant through	BT 50	23	25	85	45	30	6	M24	90°



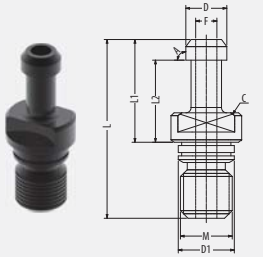
PULL STUD BT 30° WITH COOLANT THROUGH WITH O-RING

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF94	pull stud bt 30° with coolant through with o-ring	BT 40	15	17	60	35	19	4	M16	30°
AAF97	pull stud bt 30° with coolant through with o-ring	BT 50	23	25	85	45	30	6	M24	30°



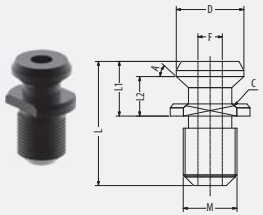
PULL STUD BT 45° WITH COOLANT THROUGH WITH O-RING

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF95	pull stud bt 45° with coolant through with o-ring	BT 40	15	17	60	35	19	4	M16	45°
AAF98	pull stud bt 45° with coolant through with o-ring	BT 50	23	25	85	45	30	6	M24	45°



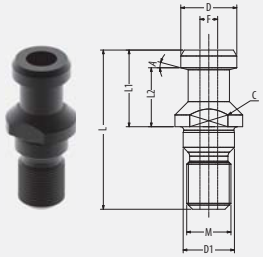
PULL STUD BT 90° WITH COOLANT THROUGH WITH O-RING

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAF96	pull stud bt 90° with coolant through with o-ring	BT 40	15	17	60	35	19	4	M16	90°
AAF99	pull stud bt 90° with coolant through with o-ring	BT 50	23	25	85	45	30	6	M24	90°



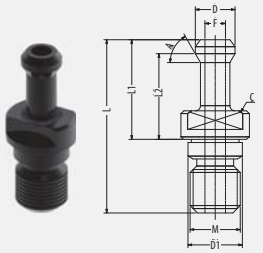
CAT PULL STUD

Part code	Description	CAT	D	L	L1	L2	C	F	INCH	A
AAG00	pull stud	CAT 40	.744"	1,496"	.640"	.437"	.748"	.280"	5/8"-11 UNC"	45°
AAG01	pull stud	CAT 50	.1146"	2,244"	1000"	.700"	1185"	.471"	1"-8"	45°



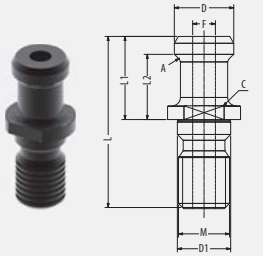
PULL STUD SK 30 DIN 69872/B WITH COOLANT THROUGH

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAG02	pull stud DIN 69872/B with coolant through	SK 30	13	13	44	24	19	14	3	M12	15°



PULL STUD BT 30 WITH COOLANT THROUGH

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAG03	pull stud with coolant through	BT 30	11	12,5	43	23	14	2,5	M12	45°



"INTERMAC", "BUSETTI", "FARNESE" PULL STUD

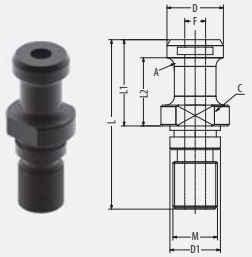
Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAG04	"Intermac", "Busetti", "Farnese" pull stud with coolant through	SK 40	19	17	54	26	20	19	6	M16	Radius

Optional finishes: nickel

"BIMATECH" PULL STUD

Part code	Description	SK	D	D1	L	L1	L2	C	F	M	A
AAG05	"Bimatech" pull stud with coolant through with o-ring	SK 40	19	17	54	26	20	19	8/6	M16	Radius

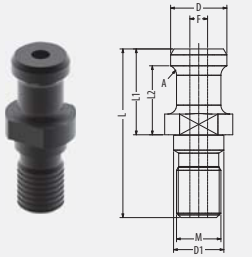
Optional finishes: nickel



"HELIOS" PULL STUD

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAG06	"Helios" pull stud with coolant through with o-ring	BT 40	19	17	57	29	19	8/6	M16	Radius

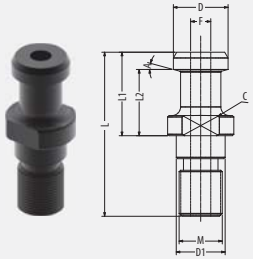
Optional finishes: nickel



"THIBAUT" PULL STUD

Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAG07	"Thibaut" pull stud with coolant through	BT 40	19	17	57	29	19	6	M16	Radius

Optional finishes: nickel



"OMAG", "LOVATI" PULL STUD

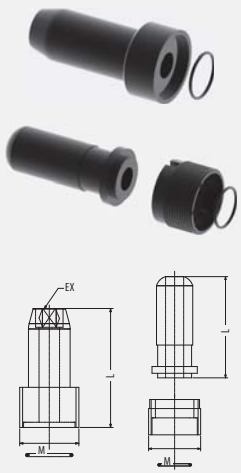
Part code	Description	BT	D	D1	L	L1	C	F	M	A
AAG08	"Omag", "Lovati" pull stud with coolant through	BT 40	19	17	54	29	19	6	M16	15°

Optional finishes: nickel

Coolant Tubes

Coolant Tubes provides cooling fluid passage. They are used for HSK tool holders in the A, C, E, B, D and F styles.

page 163



HSK COOLANT TUBES

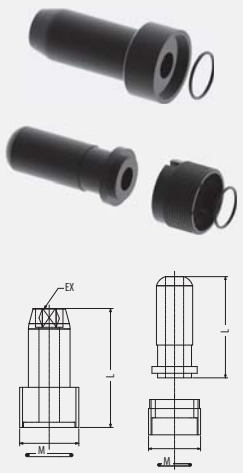
Part code	Description	M/ bush	L/ pivot	D/ pivot	Connection
AAG09	coolant tube for water passage - mounted	8 x 1	22	5	**HSK 25 A-C-E**
AAG10	coolant tube for water passage - mounted	10 x 1	26	6	**HSK 32 A-C-E**
AAG11	coolant tube for water passage	12 x 1	29,3	8	**HSK 40 A-C-E**
AAG12	coolant tube for water passage	16 x 1	33	10	**HSK 50 A-C-E**
AAG13	coolant tube for water passage	18 x 1	36,6	12	**HSK 63 A-C-E**
AAG14	coolant tube for water passage	20 x 1,5	40	14	**HSK 80 A-C-E**
AAG15	coolant tube for water passage	24 x 1,5	44	16	**HSK 100 A-C-E**
AAG16	coolant tube for water passage	30 x 1,5	48	18	**HSK 125 A-C-E**
AAG17	coolant tube for water passage	35 x 1,5	52	20	**HSK 160 A-C-E**

● MANUFACTURING MATERIAL ● OPTIONAL FINISHES*

DARKSIDE

NICKEL
Cod. **Z3**

*By choosing optional materials, the specific hardness may vary.

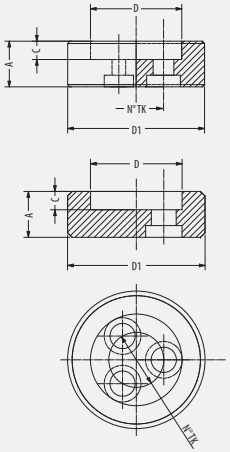


HSK COOLANT TUBES

Part code	Description	M/ rondella	L/ pivot	D/ pivot	Connection
AAG09	coolant tube for water passage - mounted	8 x 1	22	5	**32 B-D-F**
AAG10	coolant tube for water passage - mounted	10 x 1	26	6	**40 B-D-F**
AAG11	coolant tube for water passage	12 x 1	29,3	8	**50 B-D-F**
AAG12	coolant tube for water passage	16 x 1	33	10	**63 B-D-F**
AAG13	coolant tube for water passage	18 x 1	36,6	12	**80 B-D-F**
AAG14	coolant tube for water passage	20 x 1,5	40	14	**100 B-D-F**
AAG15	coolant tube for water passage	24 x 1,5	44	16	**125 B-D-F**

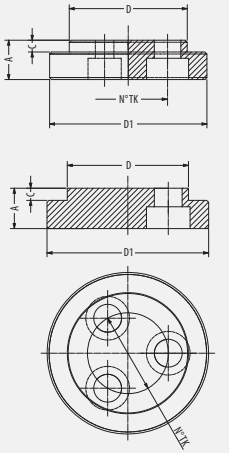
End Caps

IMS End Caps provide safer operations when machining with mill holder arbors. The three-screw system ensures a secure and constant locking even in complex operations.



RECESSED END CAPS

Part code	Description	D	D1	A	C	N°/TK
AAI00	recessed end cap	20	30	10	4	3/16
AAI01	recessed end cap	25	40	13	4	3/18
AAI02	recessed end cap	30	40	13	5	3/20
AAI03	recessed end cap	35	45	15	5	3/25
AAI04	recessed end cap	40	50	15	5	3/25
AAI05	recessed end cap	50	60	15	5	3/25
AAI06	recessed end cap	1″- 1/4	45	15	5	3/25
AAI07	recessed end cap	1″	35	15	5	3/16

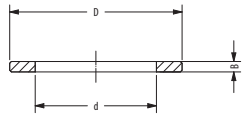


EXPANDED END CAPS

Part code	Description	D	D1	A	C	N°/TK
AAI08	expanded end cap	20	30	8	3	3/16
AAI09	expanded end cap	25	40	8	3	3/18
AAI10	expanded end cap	30	45	10	3	3/20
AAI11	expanded end cap	35	45	10	3	3/25
AAI12	expanded end cap	40	50	10	3	3/25
AAI13	expanded end cap	50	60	10	3	3/25
AAI14	expanded end cap	1″- 1/4	45	10	3	3/25
AAI15	expanded end cap	1″	35	10	3	3/16

Spacer Rings

IMS spacer rings are ideal to stabilize the tool without generating vibrations that could affect the machining result.



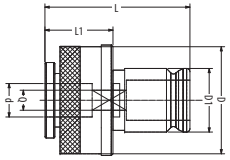
SPACER RINGS

Part code	Description	d	D	S
AAM00	spacer ring	20	40	5
AAM01	spacer ring	20	40	10
AAM02	spacer ring	20	40	20
AAM03	spacer ring	25	45	5
AAM04	spacer ring	25	45	10
AAM05	spacer ring	25	45	20
AAM06	spacer ring	30	50	5
AAM07	spacer ring	30	50	10
AAM08	spacer ring	30	50	20
AAM09	spacer ring	35	55	5
AAM10	spacer ring	35	55	10
AAM11	spacer ring	35	55	20
AAM12	spacer ring	40	60	5
AAM13	spacer ring	40	60	10
AAM14	spacer ring	40	60	20
AAM15	spacer ring	50	70	5
AAM16	spacer ring	50	70	10
AAM17	spacer ring	50	70	20
AAM18	spacer ring	60	80	10
AAM19	spacer ring	60	80	20

SPACER RINGS IN IMPERIAL DIMENSIONS

Part code	Description	d	D	S
AAM20	spacer ring	1/2″	35	5
AAM21	spacer ring	1/2″	55	10
AAM22	spacer ring	1/2″	35	20
AAM23	spacer ring	1 - 1/4″	55	5
AAM24	spacer ring	1 - 1/4″	55	10
AAM25	spacer ring	1 - 1/4″	55	20

Tap Collets with friction



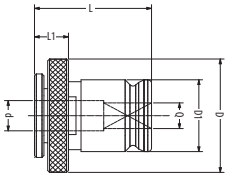
TAP COLLETS WITH FRICTION

Part code	Description	d	q	M	L	L1	D	D1	Gr. Bus.
AAJ00	tap collet with friction	3,5	2,8	M3 - M5	40,5	21	23	13	0
AAJ01	tap collet with friction	4	3,15	M3,5 - M4,5	40,5	21	23	13	0
AAJ02	tap collet with friction	4,5	3,4	M4 - M6	40,5	21	23	13	0
AAJ03	tap collet with friction	6	4,9	M5 - M8	40,5	21	23	13	0
AAJ04	tap collet with friction	7	5,5	M9 - M10	40,5	21	23	13	0
AAJ05	tap collet with friction	3,5	2,8	M3 - M5	46,5	25	32	19	1
AAJ06	tap collet with friction	4	3,15	M3,5 - M4,5	46,5	25	32	19	1
AAJ07	tap collet with friction	4,5	3,4	M4 - M6	46,5	25	32	19	1
AAJ08	tap collet with friction	6	4,9	M5 - M8	46,5	25	32	19	1
AAJ09	tap collet with friction	7	5,5	M9 - M10	46,5	25	32	19	1
AAJ10	tap collet with friction	8	6,2	M11	46,5	25	32	19	1
AAJ11	tap collet with friction	9	7	M12	46,5	25	32	19	1
AAJ12	tap collet with friction	10	8	M10 - M12	46,5	25	32	19	1
AAJ13	tap collet with friction	12	9	M16	46,5	25	32	19	1
AAJ14	tap collet with friction	4	3,15	M3,5 - M4,5	69	34	50	31	2
AAJ15	tap collet with friction	6	4,9	M5 - M6	69	34	50	31	2
AAJ16	tap collet with friction	7	5,5	M9 - M10	69	34	50	31	2
AAJ17	tap collet with friction	8	6,2	M11	69	34	50	31	2
AAJ18	tap collet with friction	9	7	M12	69	34	50	31	2
AAJ19	tap collet with friction	10	8	M10 - M12	69	34	50	31	2
AAJ20	tap collet with friction	11	8,5	M14	69	34	50	31	2
AAJ21	tap collet with friction	12	9	M16	69	34	50	31	2
AAJ22	tap collet with friction	14	11	M18	69	34	50	31	2

TAP COLLETS WITH FRICTION

Part code	Description	d	q	M	L	L1	D	D1	Gr. Bus.
AAJ23	tap collet with friction	16	12	M20	69	34	50	31	2
AAJ24	tap collet with friction	18	14,5	M22 - M24	69	34	50	31	2
AAJ25	tap collet with friction	12	9	M16	100,5	45	72	48	3
AAJ26	tap collet with friction	14	11	M18	100,5	45	72	48	3
AAJ27	tap collet with friction	16	12	M20	100,5	45	72	48	3
AAJ28	tap collet with friction	18	14,5	M22 - M24	100,5	45	72	48	3
AAJ29	tap collet with friction	20	16	M27	100,5	45	72	48	3
AAJ30	tap collet with friction	22	18	M30	100,5	45	72	48	3
AAJ31	tap collet with friction	25	20	M33	100,5	45	72	48	3
AAJ32	tap collet with friction	18	14,5	M22 - M24	131	60	95	60	4
AAJ33	tap collet with friction	20	16	M27	131	60	95	60	4
AAJ34	tap collet with friction	22	18	M30	131	60	95	60	4
AAJ35	tap collet with friction	25	20	M33	131	60	95	60	4
AAJ36	tap collet with friction	28	22	M36	131	60	95	60	4
AAJ37	tap collet with friction	32	24	M39 - M42	131	60	95	60	4
AAJ38	tap collet with friction	36	29	M45 - M48	131	60	95	60	4

Tap Collets without friction



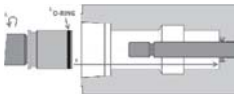
TAP COLLETS WITHOUT FRICTION

Part code	Description	d	q	M	L	L1	D	D1	Gr. Bus.
AAJ39	tap collet without friction	3	2,4	M1 - M2,5	26,5	7	22	13	0
AAJ40	tap collet without friction	3,5	2,8	M3 - M5	26,5	7	22	13	0
AAJ41	tap collet without friction	4	3,15	M3,5 - M4,5	26,5	7	22	13	0
AAJ42	tap collet without friction	4,5	3,4	M4 - M6	26,5	7	22	13	0
AAJ43	tap collet without friction	6	4,9	M5 - M8	26,5	7	22	13	0
AAJ44	tap collet without friction	7	5,5	M9 - M10	26,5	7	22	13	0
AAJ45	tap collet without friction	3,5	2,8	M3 - M5	28,5	7	30	19	1
AAJ46	tap collet without friction	4	3,15	M3,5 - M4,5	28,5	7	30	19	1
AAJ47	tap collet without friction	4,5	3,4	M4 - M6	28,5	7	30	19	1
AAJ48	tap collet without friction	6	4,9	M5 - M8	28,5	7	30	19	1
AAJ49	tap collet without friction	7	5,5	M9 - M10	28,5	7	30	19	1
AAJ50	tap collet without friction	8	6,2	M11	28,5	7	30	19	1
AAJ51	tap collet without friction	9	7	M12	28,5	7	30	19	1
AAJ52	tap collet without friction	10	8	M10 - M12	28,5	7	30	19	1
AAJ53	tap collet without friction	12	9	M16	28,5	7	30	19	1
AAJ54	tap collet without friction	4	3,15	M3,5 - M4,5	46	11	46	31	2
AAJ55	tap collet without friction	6	4,9	M5 - M8	46	11	46	31	2
AAJ56	tap collet without friction	7	5,5	M9 - M10	46	11	46	31	2
AAJ57	tap collet without friction	8	6,2	M11	46	11	46	31	2
AAJ58	tap collet without friction	9	7	M12	46	11	46	31	2
AAJ59	tap collet without friction	10	8	M10 - M12	46	11	46	31	2
AAJ60	tap collet without friction	11	8,5	M14	46	11	46	31	2
AAJ61	tap collet without friction	12	9	M16	46	11	46	31	2
AAJ62	tap collet without friction	14	11	M18	46	11	46	31	2
AAJ63	tap collet without friction	16	12	M20	46	11	46	31	2
AAJ64	tap collet without friction	18	14,5	M22 - M24	46	11	46	31	2
AAJ65	tap collet without friction	20	16	M27	35	8,5	46	31	2K

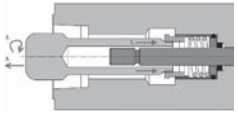
TAP COLLETS WITHOUT FRICTION

Part code	Description	d	q	M	L	L1	D	D1	Gr. Bus.
AAJ66	tap collet without friction	22	18	M30	35	8,5	46	31	2K
AAJ67	tap collet without friction	12	9	M16	69,5	14	68	48	3
AAJ68	tap collet without friction	14	11	M18	69,5	14	68	48	3
AAJ69	tap collet without friction	16	12	M20	69,5	14	68	48	3
AAJ70	tap collet without friction	18	14,5	M22 - M24	69,5	14	68	48	3
AAJ71	tap collet without friction	20	16	M27	69,5	14	68	48	3
AAJ72	tap collet without friction	22	18	M30	69,5	14	68	48	3
AAJ73	tap collet without friction	25	20	M33	69,5	14	68	48	3
AAJ74	tap collet without friction	28	22	M36	55,5	9	68	48	3K
AAJ75	tap collet without friction	32	24	M39 - M42	55,5	9	68	48	3K
AAJ76	tap collet without friction	36	29	M45 - M48	55,5	9	68	48	3K
AAJ77	tap collet without friction	18	14,5	M22 - M24	105	42	83	60	4
AAJ78	tap collet without friction	20	16	M27	105	42	83	60	4
AAJ79	tap collet without friction	22	18	M30	105	42	83	60	4
AAJ80	tap collet without friction	25	20	M33	105	42	83	60	4
AAJ81	tap collet without friction	28	22	M36	105	42	83	60	4
AAJ82	tap collet without friction	32	24	M39 - M42	105	42	83	60	4
AAJ83	tap collet without friction	36	29	M45 - M48	105	42	83	60	4
AAJ84	tap collet without friction	40	32	M52	105	42	83	60	4K
AAJ85	tap collet without friction	45	36	M56 - M60	105	42	83	60	4K

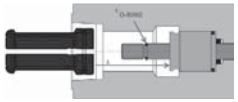
Petal Collets mounting instruction



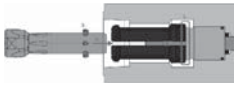
Place the bush as shown in the picture, making sure the O-Ring faces the bottom of the bush housing.



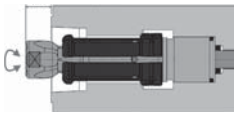
Release the pivot and remove it; test the bush functionality by pushing on it.



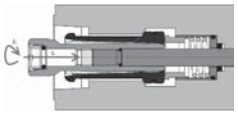
Itroduce the gripper assembly inside the spindle. Let the petals group rest against the bush previously inserted.



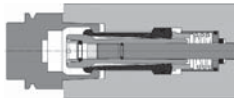
Insert the main body.
Its teeth, need to fit among the petals. This will allow the petal assembly to open.



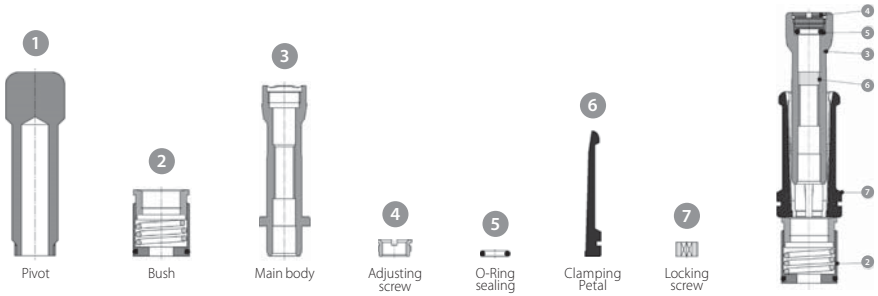
Once the petal collet assembly is leaned against the draw bar, set the tool ejector into release mode and tighten or release the adjusting screw to regulate the height.



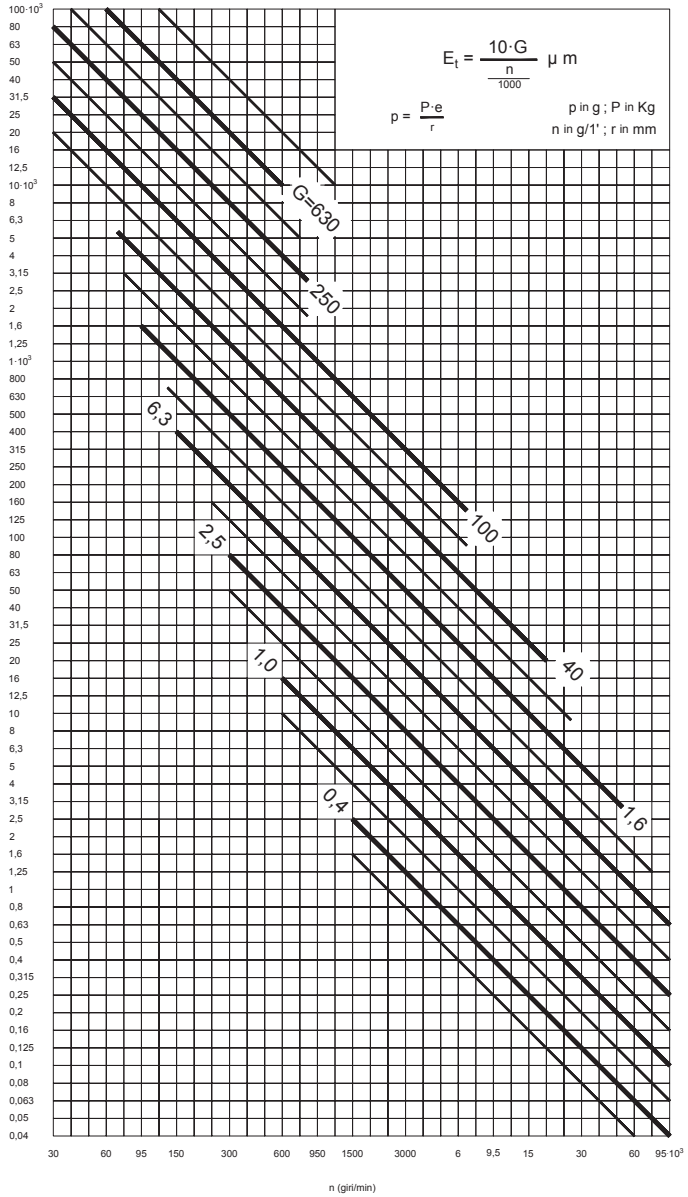
Tighten the locking screw.



Check that the tool holder can be properly clamped and released.



Balancing specs



“

With the advent of the **fiftieth anniversary** of the birth of **IMS** , it is good to take a moment to analyze the last half century within the global industrial scene. The historical period in which our company saw its beginnings was a decisive moment in Italian history: for the first time since the end of the Risorgimento , **our country was once again an innovative**, leader and world leader, as always basing its success on that inimitable mixture of **creativity**, **quality** and **open-mindedness** that have always characterized the Italian people.

In this flourishing context, the idea of devoting itself to a sector that was not considered as essential as that of the **tool holder**, immediately found fertile ground: the uniqueness of the product, together with the precision of the work and the skill in commercial action, soon granted an important feedback on the national market.

Since the end of the last century, the market focus shifted from Europe to a global market made of exasperated competitiveness, sudden changes and innovation at all costs.

The new reality led to the opening of new markets, bringing new awareness to the most astute local entrepreneurs about the need to propose an always **cutting edge** and **qualitatively recognizable product**.

To date, there is not much left of the prosperous Italian industrial landscape of 1969, swallowed up by the crisis, by a lack of propensity for change and by the difficulty in getting used to the idea of no longer being the center of the world.

In this difficult economic situation, only the most skillful companies to combine their productive quality with an effective international strategy have survived.

Those who searched for the shortcut of the economic product have been crushed by the struggle against competitors from nations that have turned low-cost market into their culture.

Equally, those relying on a romantic sense of patriotism and on a mistaken conception of events, remained firm in the conviction of a return to the ancient glories, were soon met with no requests.

The **adaptation to the new canons of the industrial distribution** while maintaining the **Italian production quality** were, however, the key to success for IMS.

Our **company is one of the longest-lasting tool-manufacturing companies in the world**, but our vision and corporate mission are definitely oriented towards a future of innovation and digitalization.

With the advent of the **Industry 4.0** , the contribution of a company like IMS, which combines constructive experience and international standards, is essential for maintaining quality standards of excellence, in a market that nowadays too often tends to level down.

This catalog, with its innovative approach to the search for the ideal product, wants to be an important tool in this path of growth, modernization and maintenance of performance.

”

Alberto Aprà
CEO IMS srl Industrial Machining Solutions

parts of your business

IMS IN THE WORLD

I.M.S. S.R.L
Industrial Machining Solutions
Via Giovanni Agnelli, 2 - 12048
Sommariva Bosco (CN) Italy
Tel. +39 0172 54015
Fax +39 0172 54014
www.ims.eu - ims@ims.eu

IMS USA LLC
110 Portwatch Way Unit 103 -
Wilmington NC - 28412 - USA
Tel. (+1) 910 796 2040
Fax (+1) 910 796 2039
info@imsusanc.com
www.imsusanc.com

MACHTECHSOLUTION S.R.O.
Oldřichova 247/5, Praha
2 nusle, 128 00 Czech Republic
Tel. (+420) 3711 21364
info@machtechsolution.cz
www.machtechsolution.cz

IMS TECNICA INDUSTRIAL S.L.
Avenida Amado Granell Mesado
75 - 46013 - Valencia - Espana
Tel: (+34) 9606 40056
info@imsiberica.es
www.imsiberica.es