

Precision chucks and collets

The ideal accessories for machining centres, point-to-point machines and CNC routers.

- extreme precision and reliability;
- perfect tool centering;
- defect-free rotation;
- made from extremely high resistant steel;
- precision grinding on all jointed parts;
- extreme high rotation performance ≥ 15 HP – 20.000 RPM;
- for very efficient sizing on extreme unprecedented high feed speed;
- excellent finishing quality on the workpiece and longer tool life;
- sturdy design with reduced height to increase the work space between the machine and the piece;
- safe and fast tool setup;
- interchangeable collet clamps with radial grooves for secure parallel tool clamping;
- wide clamping tolerance (± 0.7 mm);
- right or left-hand rotation chucks with self clamping threads;
- clamping nut with Woodruff radial grooves for c-spanners;
- practical withdrawal sleeves with double differential threads for the chuck spindle;
- central hexagonal low profile for easy tool clamping through a c-spanner;
- designed and tested in collaboration with the most renowned machining and CNC router construction centres;
- delivered in a smart professional packaging.

Universal assembly supports for chucks



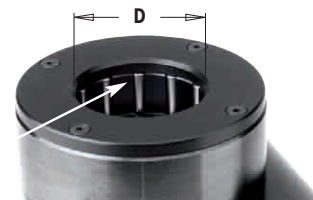
183

DESCRIPTION	D mm	ORDER NO.
Universal assembly supports for chucks HSK-F63	63	183-HSK
Universal assembly supports for chucks ISO30	50	183-ISO

For HSK-F63 and ISO30 chucks

CMT now offers new universal assembly supports for HSK-F63 and ISO30 chucks. Thanks to the bidirectional roller bearings, which clamp the toolholder to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.

The special bidirectional roller bearing clamps the toolholder to the flange, offering the highest protection to the tool taper.



HSK chuck for “ER32” precision collets



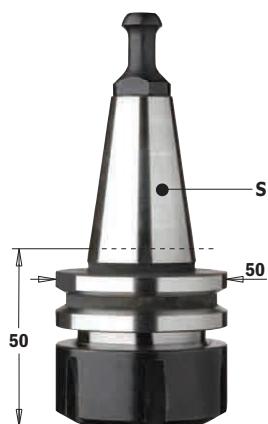
183.300

RH LH

S	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-F63	ER32	183.300.01	183.300.02

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

ISO30 chucks for "ER32" precision collets



995.200

183.200

RH LH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø12-8	183.200.01	183.200.02

For Biesse machines.



995.201

183.210

RH LH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø13-9	183.210.01	183.210.02

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.



995.202

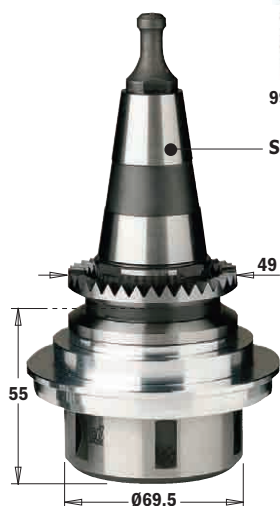
183.220

RH LH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø12,8-9	183.220.01	183.220.02

For Alberti and Masterwood machines.

ISO30 chucks for "ER32" precision collets



995.250

183.250

RH LH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø8,5	183.250.01	183.250.02

For Morbidelli and SCM machines.

183.251

RH LH

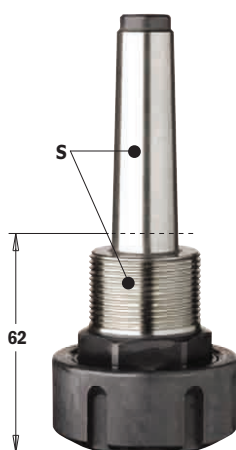
S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
ISO 30	ER32	Ø8,5	183.251.01	183.251.02

For Morbidelli and SCM machines aluminium flange already assembled Ø69,5mm.

Retaining stud and aluminium flange

DESCRIPTION	ORDER NO.
Ø69,5mm aluminium flange	992.501.00

Chucks for "ER32" precision collets



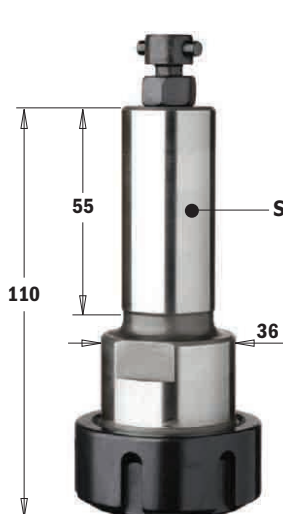
183.000/100

RH LH

S mm	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/M30x1,5	ER32	183.000.01	183.000.02
MK3/M30x1,5	ER32	183.100.01	

MK2/MK3 tapered shank

Chucks for "ER32" precision collets



183.400

RH

S mm	To be used with collet	Retaining stud	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Ø25x55	ER32	PS LEUCO	183.400.01	

For machines with PS Leuco system

Clamping nuts for chucks with "ER32" collets



992.183

RH LH

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing		
For 183.000/100/200/250/300/400 chucks	992.183.01	992.183.02
Clamping nut with bearing		
For 183.000/100/200/250/300/400 chucks	992.183.11	992.183.12

C-Spanner for "ER32" precision collets



991.183

DESCRIPTION	ORDER NO.
C-Spanner for "ER32" precision collets	991.183.00

HSK chucks for "ER40" precision collets



183.310

RH **LH**

S	To be used with collet		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-F63	ER40		183.310.01	183.310.02

For Homag, Eima, IMA from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

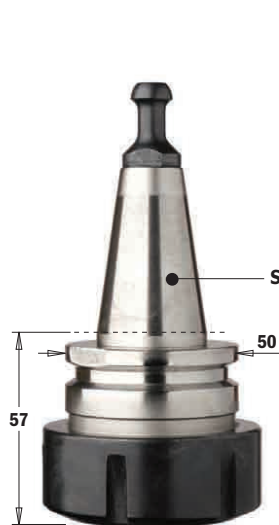
Spare Parts

Power Tools & Accessories

Display Cabinets

179

ISO30 chucks for "ER40" precision collets



995.200

183.201

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12-8	183.201.01	

For Biesse machines.



995.201

183.211

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø13-9	183.211.01	

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.



995.202

183.221

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12,8-9	183.221.01	

For Alberti and Masterwood machines.

Clamping nuts for chucks with "ER40" precision collets



992.383

RH **LH**

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing For 183.201/211/221/310 chucks	992.383.01	992.383.02
Clamping nut with bearing For 183.201/211/221/310 chucks	992.383.11	

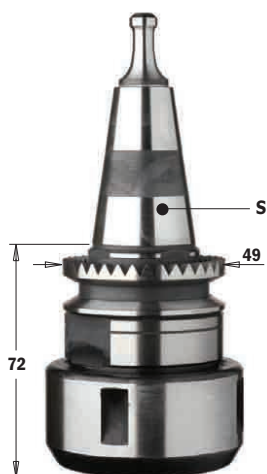
C-spanner for "ER40" precision collets



991.184

DESCRIPTION	ORDER NO.
C-Spanner for "ER40" precision collet	991.184.00

ISO30 chuck for "DIN6388" precision collet


183.255
RH

S	To be used with collet	ORDER NO.
ISO30	DIN6388	Right-hand rotation 183.255.01

For Morbidelli/SCM machines

Spare parts

Clamping nut without bearing	992.283.01
------------------------------	-------------------

HSK chuck for "DIN6388" precision collet


183.320
RH

S	To be used with collet	ORDER NO.
HSK-F63	DIN6388	Right-hand rotation 183.320.01

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

Spare parts

Clamping nut with bearing	992.283.11
---------------------------	-------------------

"DIN6388" precision collets


185

mm	D ₃	inches	ORDER NO.	mm	D ₃	inches	ORDER NO.
6			185.060.00	14			185.140.00
8		5/16	185.080.00	16		5/8	185.160.00
10			185.100.00	18			185.180.00
12			185.120.00	20			185.200.00
13		1/2	185.130.00	25			185.250.00

REMARK: special dimensions available on request

Clamping nuts


992.283
RH

DESCRIPTION	ORDER NO.
Clamping nut without bearing for 183.255 chucks	992.283.01
Clamping nut with bearing for 183.320 chucks	992.283.11

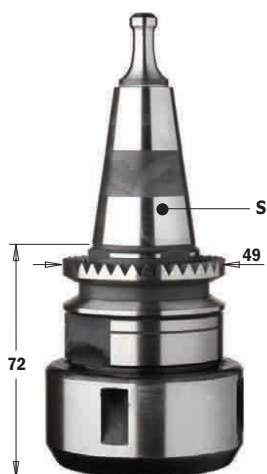
For 183.255 & 183.320 chucks

C-Spanner for "DIN6388" & "ER40"


991.283

DESCRIPTION	ORDER NO.
C-Spanner for "Usag" 58-62-65	991.283.00

ISO30 chuck for "DIN6388" precision collet


183.255
RH

S	To be used with collet	ORDER NO.
ISO30	DIN6388	Right-hand rotation 183.255.01

For Morbidelli/SCM machines

Spare parts

Clamping nut without bearing	992.283.01
------------------------------	-------------------

HSK chuck for "DIN6388" precision collet


183.320
RH

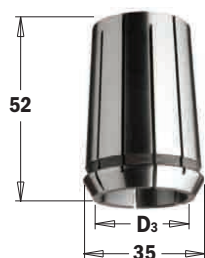
S	To be used with collet	ORDER NO.
HSK-F63	DIN6388	Right-hand rotation 183.320.01

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

Spare parts

Clamping nut with bearing	992.283.11
---------------------------	-------------------

"DIN6388" precision collets


185

mm	D ₃	inches	ORDER NO.	mm	D ₃	inches	ORDER NO.
6			185.060.00	14			185.140.00
8		5/16	185.080.00	16		5/8	185.160.00
10			185.100.00	18			185.180.00
12			185.120.00	20			185.200.00
13		1/2	185.130.00	25			185.250.00

REMARK: special dimensions available on request

Clamping nuts


992.283
RH

DESCRIPTION	ORDER NO.
Clamping nut without bearing for 183.255 chucks	992.283.01
Clamping nut with bearing for 183.320 chucks	992.283.11

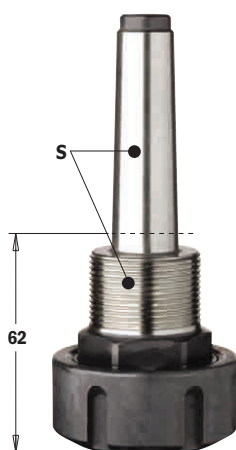
For 183.255 & 183.320 chucks

C-Spanner for "DIN6388" & "ER40"


991.283

DESCRIPTION	ORDER NO.
C-Spanner for "Usag" 58-62-65	991.283.00

Chucks for "ER32" precision collets



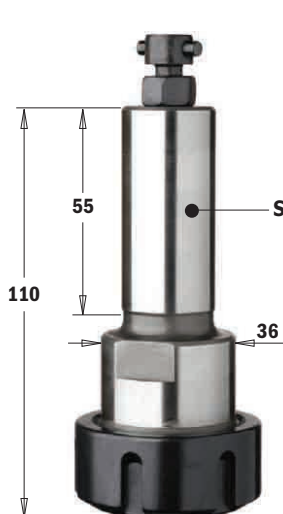
183.000/100

RH LH

S mm	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/M30x1,5	ER32	183.000.01	183.000.02
MK3/M30x1,5	ER32	183.100.01	

MK2/MK3 tapered shank

Chucks for "ER32" precision collets



183.400

RH

S mm	To be used with collet	Retaining stud	ORDER NO. Right-hand rotation
Ø25x55	ER32	PS LEUCO	183.400.01

For machines with PS Leuco system

Clamping nuts for chucks with "ER32" collets



992.183

RH LH

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing For 183.000/100/200/250/300/400 chucks	992.183.01	992.183.02
Clamping nut with bearing For 183.000/100/200/250/300/400 chucks	992.183.11	992.183.12

C-Spanner for "ER32" precision collets



991.183

DESCRIPTION	ORDER NO.
C-Spanner for "ER32" precision collets	991.183.00

HSK chucks for "ER40" precision collets



183.310

RH **LH**

S	To be used with collet		ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
HSK-F63	ER40		183.310.01	183.310.02

For Homag, Eima, IMA from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

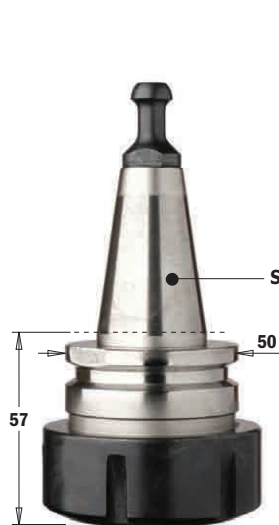
Spare Parts

Power Tools & Accessories

Display Cabinets

179

ISO30 chucks for "ER40" precision collets



995.200

183.201

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12-8	183.201.01	

For Biesse machines.



995.201

183.211

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø13-9	183.211.01	

For Biesse machines with Omlat engine, Bulleri, Busellato, CMS and IMA machines.



995.202

183.221

RH

S	To be used with collet	Retaining stud mm	ORDER NO. Right-hand rotation	
ISO30	ER40	Ø12,8-9	183.221.01	

For Alberti and Masterwood machines.

Clamping nuts for chucks with "ER40" precision collets



992.383

RH **LH**

DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing For 183.201/211/221/310 chucks	992.383.01	992.383.02
Clamping nut with bearing For 183.201/211/221/310 chucks	992.383.11	

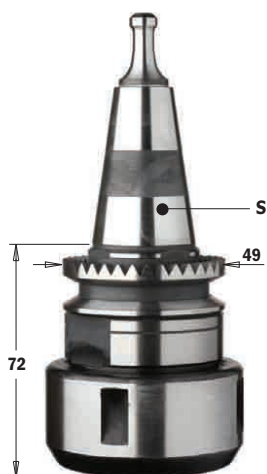
C-spanner for "ER40" precision collets



991.184

DESCRIPTION	ORDER NO.
C-Spanner for "ER40" precision collet	991.184.00

ISO30 chuck for "DIN6388" precision collet


183.255
RH

S	To be used with collet	ORDER NO.
ISO30	DIN6388	Right-hand rotation 183.255.01

For Morbidelli/SCM machines

Spare parts

Clamping nut without bearing	992.283.01
------------------------------	-------------------

HSK chuck for "DIN6388" precision collet


183.320
RH

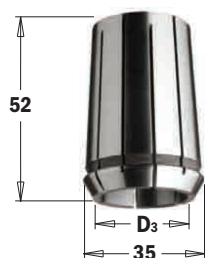
S	To be used with collet	ORDER NO.
HSK-F63	DIN6388	Right-hand rotation 183.320.01

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

Spare parts

Clamping nut with bearing	992.283.11
---------------------------	-------------------

"DIN6388" precision collets


185

mm	D ₃	inches	ORDER NO.	mm	D ₃	inches	ORDER NO.
6			185.060.00	14			185.140.00
8		5/16	185.080.00	16		5/8	185.160.00
10			185.100.00	18			185.180.00
12			185.120.00	20			185.200.00
13		1/2	185.130.00	25			185.250.00

REMARK: special dimensions available on request

Clamping nuts


992.283
RH

DESCRIPTION	ORDER NO.
Clamping nut without bearing for 183.255 chucks	992.283.01
Clamping nut with bearing for 183.320 chucks	992.283.11

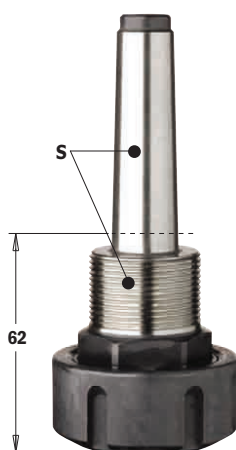
For 183.255 & 183.320 chucks

C-Spanner for "DIN6388" & "ER40"


991.283

DESCRIPTION	ORDER NO.
C-Spanner for "Usag" 58-62-65	991.283.00

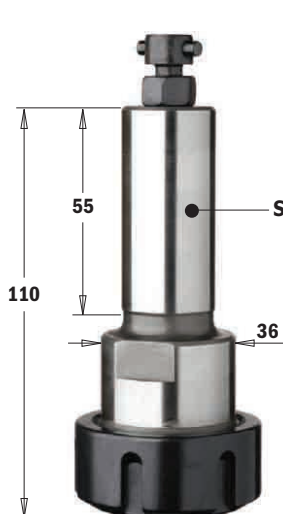
Chucks for "ER32" precision collets


183.000/100
RH LH

S mm	To be used with collet	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
MK2/M30x1,5	ER32	183.000.01	183.000.02
MK3/M30x1,5	ER32	183.100.01	

MK2/MK3 tapered shank

Chucks for "ER32" precision collets


183.400
RH

S mm	To be used with collet	Retaining stud	ORDER NO. Right-hand rotation
Ø25x55	ER32	PS LEUCO	183.400.01

For machines with PS Leuco system

Clamping nuts for chucks with "ER32" collets


992.183
RH LH

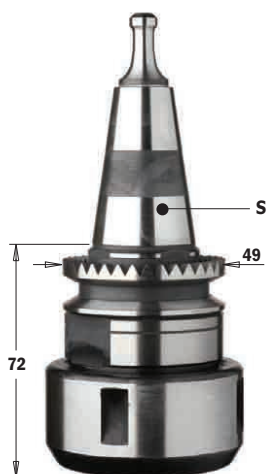
DESCRIPTION	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
Clamping nut without bearing For 183.000/100/200/250/300/400 chucks	992.183.01	992.183.02
Clamping nut with bearing For 183.000/100/200/250/300/400 chucks	992.183.11	992.183.12

C-Spanner for "ER32" precision collets


991.183

DESCRIPTION	ORDER NO.
C-Spanner for "ER32" precision collets	991.183.00

ISO30 chuck for "DIN6388" precision collet


183.255
RH

S	To be used with collet	ORDER NO.
ISO30	DIN6388	Right-hand rotation 183.255.01

For Morbidelli/SCM machines

Spare parts

Clamping nut without bearing	992.283.01
------------------------------	-------------------

HSK chuck for "DIN6388" precision collet


183.320
RH

S	To be used with collet	ORDER NO.
HSK-F63	DIN6388	Right-hand rotation 183.320.01

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.

Spare parts

Clamping nut with bearing	992.283.11
---------------------------	-------------------

"DIN6388" precision collets


185

mm	D ₃	inches	ORDER NO.	mm	D ₃	inches	ORDER NO.
6			185.060.00	14			185.140.00
8		5/16	185.080.00	16		5/8	185.160.00
10			185.100.00	18			185.180.00
12			185.120.00	20			185.200.00
13		1/2	185.130.00	25			185.250.00

REMARK: special dimensions available on request

Clamping nuts


992.283
RH

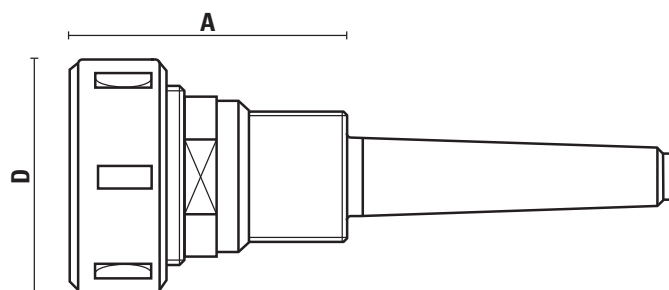
DESCRIPTION	ORDER NO.
Clamping nut without bearing for 183.255 chucks	992.283.01
Clamping nut with bearing for 183.320 chucks	992.283.11

For 183.255 & 183.320 chucks

C-Spanner for "DIN6388" & "ER40"


991.283

DESCRIPTION	ORDER NO.
C-Spanner for "Usag" 58-62-65	991.283.00

4111**MANDRINO DI PRECISIONE ATTACCO CONO MORSE
HIGH PRECISION COLLET CHUCK - MK2/ MK3 SHANK****CM2/M30x1,5 (Cono/Taper)**

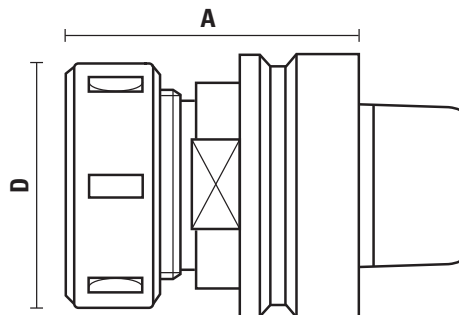
Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4111.010.001	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	E17
4111.010.002	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	C18

CM3/M30x1,5 (Cono/Taper)

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4111.020.001	50	62	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	E19
4111.020.002	50	62	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	M19

4112

MANDRINO DI PRECISIONE ATTACCO HSK HIGH PRECISION COLLET CHUCK - HSK SHANK

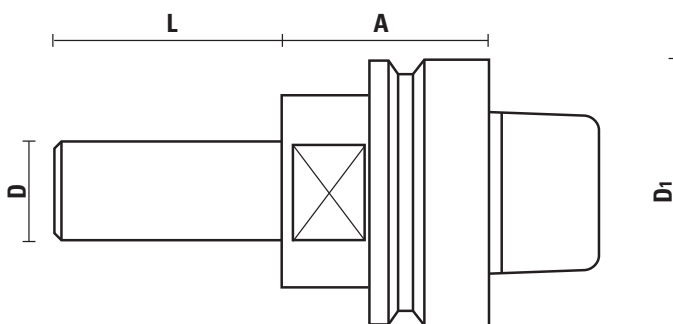


HSK 63 F (Cono/Taper)

Codice Code	D D	A A	Pinza Collet	Ghiera Lock nut	Rotazione Rotation	Codice Prezzo Price Code
4112.010.001	50	76	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	E19
4112.010.002	50	76	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	D20
4112.020.001	63	76	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	D20
4112.020.002	63	76	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	A21

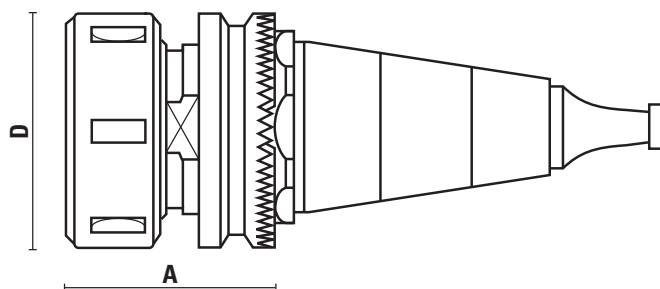
HSK 63 E (Cono/Taper)

Codice Code	D D	A A	Pinza Collet	Ghiera Lock nut	Rotazione Rotation	Codice Prezzo Price Code
4112.030.001	63	76	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	A21
4112.030.002	63	76	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	H21

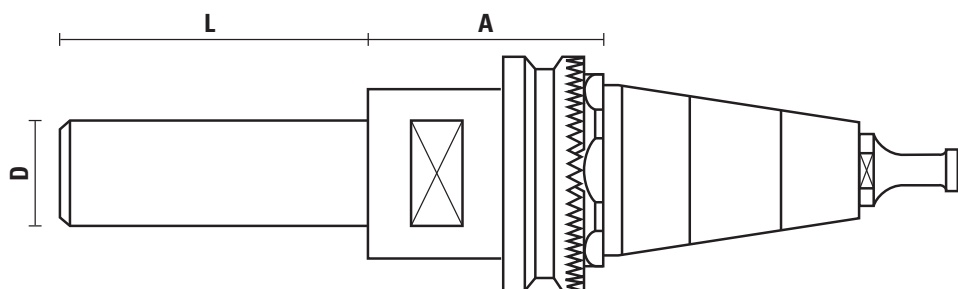


HSK 63 (Con albero/With spindle)

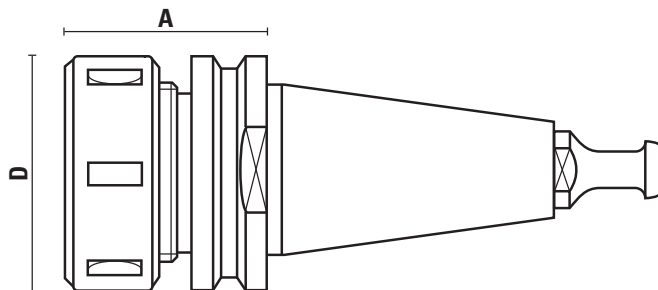
Codice Code	Tipo Type	D D	A A	L L	Codice Prezzo Price Code
4112.100.001	HSK 63 F	30	33	70	D20
4112.100.002	HSK 63 F	30	33	100	D20
4112.110.001	HSK 63 F	30	42	70	D20
4112.110.002	HSK 63 F	30	42	100	D20
4112.120.001	HSK 63 E	30	45	70	H21
4112.120.002	HSK 63 E	30	45	100	H21

4113**MANDRINO DI PRECISIONE ATTACCO ISO 30
HIGH PRECISION COLLET CHUCK - ISO 30 SHANK****ISO 30 (Cono/Taper)****Macchina/Machine: Morbidelli, SCM**

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4113.010.001	50	55	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	B19
4113.010.002	50	55	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	B20
4113.020.001	63	55	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	H21
4113.020.002	63	55	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	F22
4113.030.001	60	72	Ø3÷25 (art. 4116)	Din 6388 (art. 4118)	Dx/Rh	H21
4113.030.002	60	72	Ø3÷25 (art. 4116)	Din 6388 (art. 4118)	Sx/Lh	F22

**ISO 30 (Con albero/With spindle)**

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	L <i>L</i>	Codice Prezzo <i>Price Code</i>
4113.100.001	30	35	70	L20
4113.100.002	30	35	100	L20

4114**MANDRINO DI PRECISIONE ATTACCO ISO 30 - ISO 40
HIGH PRECISION COLLET CHUCK - ISO 30 /ISO 40 SHANK****Tipo/Type: ISO 30****Macchina/Machine: Biesse, Masterwood, Bulleri**

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4114.010.001	50	50	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	B16
4114.010.002	50	50	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	M16
4114.020.001	63	50	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	E17
4114.020.002	63	50	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	D18

Tipo/Type: ISO 30**Macchina/Machine: Alberti, Vitap, Masterwood (G. Colombo)**

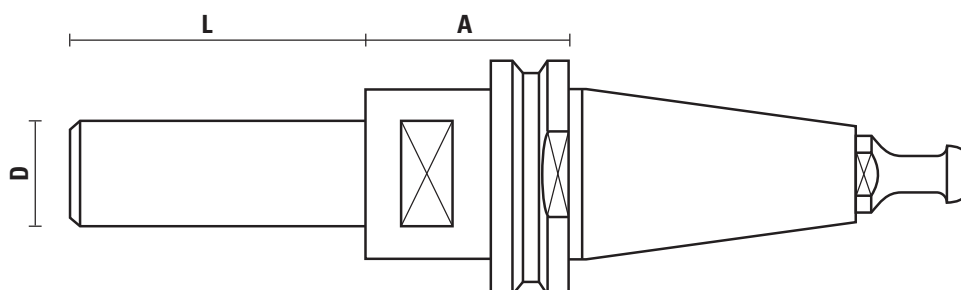
Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4114.030.001	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	B18
4114.030.002	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	M18
4114.040.001	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	A20
4114.040.002	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	F20

Tipo/Type: ISO 30**Macchina/Machine: Busellato, Weeke, IMA, Bulleri, Maka, Cosmec, Reinchenbacher**

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4114.050.001	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	B18
4114.050.002	50	60	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	M18
4114.060.001	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	A20
4114.060.002	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	F20

Tipo/Type: ISO 40**Macchina/Machine: Weeke, IMA, Maka, Reinchenbacher, Stegherr**

Codice <i>Code</i>	D <i>D</i>	A <i>A</i>	Pinza <i>Collet</i>	Ghiera <i>Lock nut</i>	Rotazione <i>Rotation</i>	Codice Prezzo <i>Price Code</i>
4114.070.001	50	50	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Dx/Rh	A21
4114.070.002	50	50	Ø3÷20 (art. 4116)	ER 32 (art. 4118)	Sx/Lh	H21
4114.080.001	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Dx/Rh	H21
4114.080.002	63	60	Ø3÷25 (art. 4116)	ER 40 (art. 4118)	Sx/Lh	E22

4115**MANDRINO PORTAFRESE DI PRECISIONE ISO 30-ISO 40
HIGH PRECISION SPINDLE CHUCK - ISO 30/ISO 40 SHANK****Macchina/Machine: Biesse, Masterwood, Bulleri**

Codice <i>Code</i>	Tipo <i>Type</i>	D <i>D</i>	A <i>A</i>	L <i>L</i>	Codice Prezzo <i>Price Code</i>
4115.010.001	ISO 30	30	35	70	F20
4115.010.002	ISO 30	30	35	100	F20

Macchina/Machine: Alberti, Vitap, Masterwood (G. Colombo)

Codice <i>Code</i>	Tipo <i>Type</i>	D <i>D</i>	A <i>A</i>	L <i>L</i>	Codice Prezzo <i>Price Code</i>
4115.030.001	ISO 30	30	35	70	E22
4115.030.002	ISO 30	30	35	100	E22

Macchina/Machine: Busellato, Weeke, IMA, Bulleri, Maka, Cosmec, Reinchenbacher

Codice <i>Code</i>	Tipo <i>Type</i>	D <i>D</i>	A <i>A</i>	L <i>L</i>	Codice Prezzo <i>Price Code</i>
4115.050.001	ISO 30	30	35	70	E22
4115.050.002	ISO 30	30	35	100	E22

Tipo/Type: ISO 40**Macchina/Machine: Weeke, IMA, Maka, Reinchenbacher, Stegherr**

Codice <i>Code</i>	Tipo <i>Type</i>	D <i>D</i>	A <i>A</i>	L <i>L</i>	Codice Prezzo <i>Price Code</i>
4115.070.001	ISO 40	30	40	70	B23
4115.070.002	ISO 40	30	40	100	B23