



UTENSILI PER PANTOGRAFO

ROUTER TOOLS

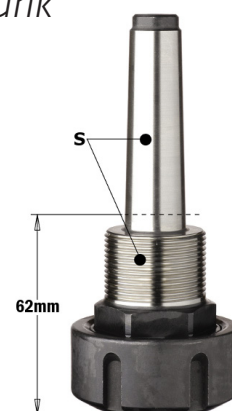
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ART. 200.000 / ART.200.100

Mandrini attacco CM2 / CM3 per pinze ER32

Chuck with precision collet CM2 / CM3 tapered shank

Cod. Dx	Cod. Sx	S
200.000.05	200.000.06	CM2/M30x1,5
200.100.05		CM3/M30x1,5

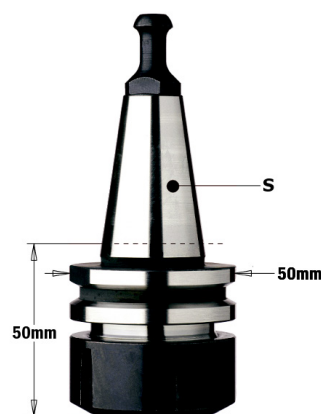


ART. 200.200

Mandrini attacco conico ISO 30 per Pinze ER32

Chuck with precision collet ISO 30 tapered shank

Cod. Dx	Cod. Sx	S
Per macchine Biesse		
200.200.05	200.200.06	ISO 30
Per macchine Biesse con motori Omlat, Bulleri, Busellato, CMS, IMA		
200.210.05	200.210.06	ISO 30
Per macchine Alberti e Masterwood		
200.220.05	200.220.06	ISO 30

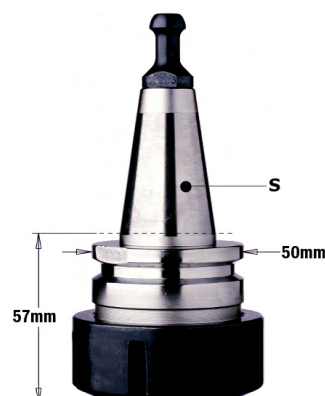


ART. 200.201

Mandrini attacco conico ISO 30 per Pinze ER40

Chuck with precision collet ISO 30 tapered shank

Cod. Dx	Cod. Sx	S
Per macchine Biesse		
200.201.05	200.201.06	ISO 30
Per macchine Biesse con motori Omlat, Bulleri, Busellato, CMS, IMA		
200.211.05	200.211.06	ISO 30
Per macchine Alberti e Masterwood		
200.221.05	200.221.06	ISO 30

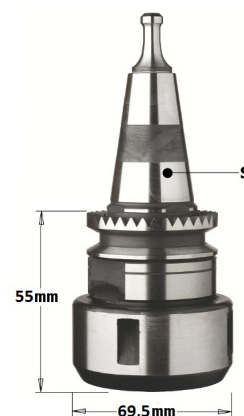


ART. 200.250

Per macchine Morbidelli, SCM

Chuck with precision collet ISO 30 tapered shank

Cod. Dx	Cod. Sx	S
Per macchine Morbidelli, SCM		
200.250.05	200.250.06	ISO 30
Per macchine Morbidelli, SCM con flangia Ø 69,5 già assemblata		
200.251.05	200.251.06	

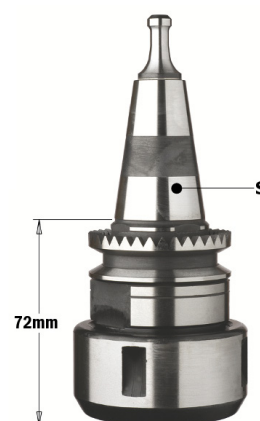


ART. 200.255

Mandrini attacco conico ISO 30 per Pinze DIN6388

Chuck with precision collet ISO 30 tapered shank

Cod. Dx	Cod. Sx	S
Per macchine Morbidelli, SCM		
200.255.05	200.255.06	ISO 30

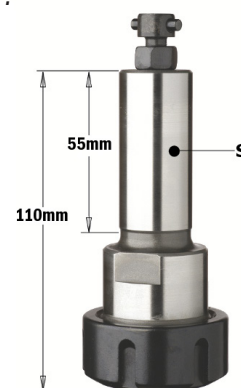


ART. 200.400

Mandrini attacco cilindrico Ø 25 per pinze ER32

Chuck with precision collet parallel shank Ø 25 mm.

Cod. Dx	Cod. Sx	S
200.400.05	200.400.06	Ø 25x55



ART. 200.300

Mandrini a pinze elastiche (ER32) attacco conico HSK

Chuck with precision collet (ER32) HSK tapered shank

Cod. Dx	Cod. Sx	S
200.300.05	200.300.06	HSK-F63



ART. 200.310

Mandrini a pinze elastiche (ER40) attacco conico HSK

Chuck with precision collet (ER40) HSK tapered shank

Cod. Dx	Cod. Sx	S
200.310.05	200.310.06	HSK-F63

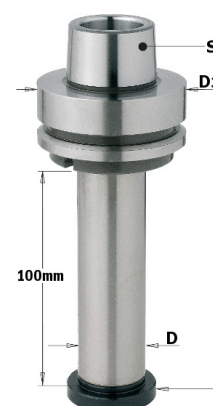


ART. 200.360

Mandrini portafresa con attacco HSK e ISO30

Cutter arbors with HSK tapered shank

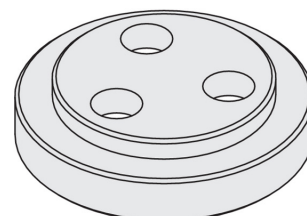
Cod. Dx	D	S
200.360.00	30	HSK-F63
200.361.00	35	HSK-F63
200.361.00	40	HSK-F63
200.260.00	30	ISO 30



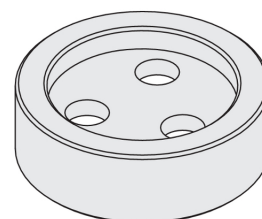
RICAMBI

SPARE PARTS

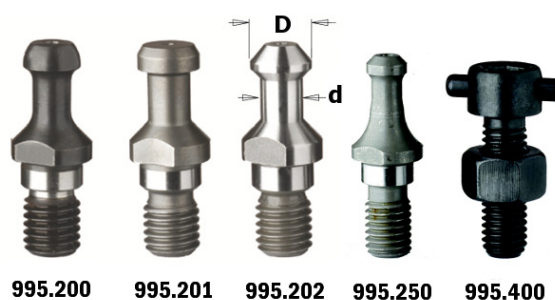
Cod. Dx	D
Flange per mandrini con albero portafres - Maschio <i>Steel flange for chucks with arbor - Male</i>	
992.560.30M	30
992.560.35M	35
992.560.40M	40



Cod. Dx	D
Flange per mandrini con albero portafres - Femmina <i>Steel flange for chucks with arbor - Female</i>	
992.560.30F	30
992.560.35F	35
992.560.40F	40



Cod. Dx	D	d
Tirante per mandrini 200.200/201 Biesse <i>Retaining stud for "Biesse" 200.200/201 chucks</i>		
995.200.00	12	8
Tirante per mandrini 200.210/211 Biesse, Omlat, Bulleri, Busellato, CMS e IMA <i>Retaining stud for Biesse, Omlat, Bulleri, Busellato, CMS and IMA 200.210/211 chucks</i>		
995.201.00	13	9
Tirante per mandrini 200.220/221 Alberti e Masterwood <i>Retaining stud for Alberti and Masterwood 200.220/221 chucks</i>		
995.202.00	12,8	9
Tirante per mandrini 200.250/251 SCM e Morbidelli <i>Retaining stud for SCM and Morbidelli 200.250/251 chucks</i>		
995.250.00	8,5	6,5
Tirante per mandrini 200.400 PS-Leuco <i>Retaining stud for PS and Leuco 200.400 chucks</i>		
995.400.00		



995.200 995.201 995.202 995.250 995.400

ER20

Cod. Dx

Ghiere per mandrini a pinze "ER20"
Clamping nut without bearing

992.483.01

Cod. Sx



ER32

Cod. Dx

Ghiere per mandrini a pinze "ER32"
Clamping nut without bearing

992.183.01

Cod. Sx

992.183.02

Ghiere per mandrini a pinze "ER32" con cuscinetto
Clamping nut with bearing

992.183.11

992.183.12



ER40

Cod. Dx

Ghiere per mandrini a pinze "ER40"
Clamping nut without bearing

992.383.01

Cod. Sx

992.383.02

Ghiere per mandrini a pinze "ER40" con cuscinetto
Clamping nut with bearing

992.383.11



DIN6388

Cod. Dx

Ghiere per mandrini a pinze "DIN6388"
Clamping nut without bearing

992.283.01

Cod. Sx

Ghiere per mandrini a pinze "DIN6388" con cuscinetto
Clamping nut with bearing

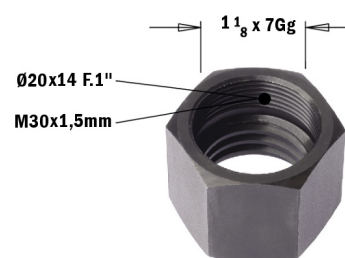
992.283.10



Cod. Dx	Cod. Sx	
Dadi di fissaggio per macchine punto/punto <i>Cap nuts for CNC machines</i>		
993.020.01	993.020.02	Ø20mm x14 Fx1"
993.030.01	993.030.02	M30mm x1,5mm



Cod. Dx	Cod. Sx	
Dadi di fissaggio per macchine pantografo <i>Cap nuts for Router machines</i>		
993.520.01		Ø20mm x14 Fx1"
993.530.01	993.530.02	M30mm x1,5mm



Cod. Dx
Smontaconi universale per mandrini HSK-F63 <i>Universal assembly support for chucks HSK-F63</i>
183-HSK
Smontaconi universale per mandrini ISO30 <i>Universal assembly support for chucks ISO30</i>
183-ISO



Cod. Dx
Chiave a settore per ghiera "ER32" <i>C-spanner for "ER32" clamping nuts</i>
991.183.00
Chiave a settore per ghiera "ER40" <i>C-spanner for "ER40" clamping nuts</i>
991.283.00



ART. 201

Pinze elastiche biconiche "ER 20"

Precision collet "ER 20"

Cod.	D ₃
201.030.20	3
201.060.20	6
201.080.20	8
201.100.20	10
201.120.20	12



Pinze elastiche biconiche "ER 25"

Precision collet "ER 25"

Cod.	D ₃
201.030.25	3
201.060.25	6
201.080.25	8
201.100.25	10
201.120.25	12



Pinze elastiche biconiche "ER 32"

Precision collet "ER 32"

Cod.	D ₃
201.030.00	3
201.040.00	4
201.050.00	5
201.060.00	6
201.070.00	7
201.080.00	8
201.100.00	10
201.120.00	12
201.130.00	13
201.140.00	14
201.160.00	16
201.180.00	18
201.200.00	20



Pinze elastiche biconiche “ER 40”

Precision collet “ER 40”

Cod.	D ₃
201.042.00	4
201.052.00	5
201.062.00	6
201.072.00	7
201.082.00	8
201.102.00	10
201.122.00	12
201.132.00	13
201.142.00	14
201.162.00	16
201.182.00	18
201.202.00	20
201.252.00	25



Pinze elastiche biconiche “DIN6388”

Precision collet “DIN6388”

Cod.	D ₃
201.065.00	6
201.085.00	8
201.105.00	10
201.125.00	12
201.135.00	13
201.145.00	14
201.165.00	16
201.185.00	18
201.205.00	20
201.255.00	25

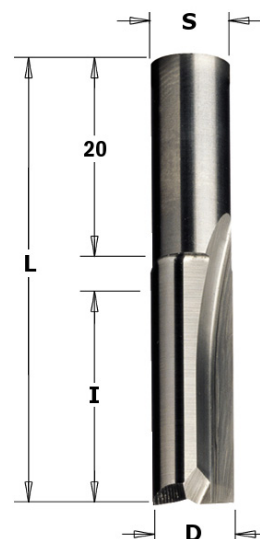


ART. 205

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I	L	S
205.030.55	3	10	37	9,5
205.040.55	4	10	37	9,5
205.050.55	5	12	39	9,5
205.060.55	6	14	41	9,5
205.070.55	7	16	43	9,5
205.080.55	8	18	48	9,5
205.081.55	8	30	60	9,5
205.090.55	9	20	52	9,5
205.100.55	10	22	52	9,5
205.101.55	10	35	65	9,5
205.110.55	11	24	52	9,5
205.120.55	12	26	52	9,5



ART. 206

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I	L	S
206.120.55	12	26	52	12×20
206.121.55	12	40	70	12×20
206.130.55	13	26	52	12×20
206.140.55	14	28	56	12×20
206.141.55	14	40	72	12×20
206.150.55	15	30	60	12×20
206.160.55	16	32	60	12×20
206.161.55	16	40	72	12×20
206.170.55	17	34	64	12×20
206.180.55	18	35	64	12×20
206.190.55	19	35	68	12×20
206.200.55	20	38	68	12×20
206.220.55	22	40	72	12×20
206.240.55	24	40	72	12×20
206.250.55	25	41	72	12×20
206.260.55	26	42	74	12×20
206.280.55	28	42	74	12×20
206.300.55	30	42	74	12×20

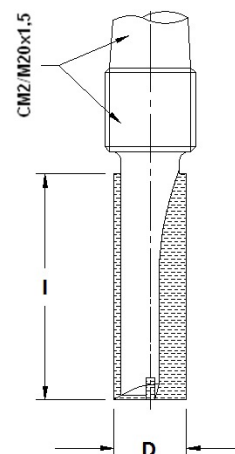


ART. 220

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I
220.1640.55	16	40
220.1650.55	16	50
220.1840.55	18	40
220.1850.55	18	50
220.1860.55	18	60
220.2040.55	20	40
220.2050.55	20	50
220.2060.55	20	60
220.2240.55	22	40
220.2250.55	22	50



ART. 221

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I	L	S
221.100.55	10	35	90	12
221.120.55	12	35	90	12
221.140.55	14	35	90	12
221.160.55	16	35	90	12
221.180.55	18	35	90	12
221.200.55	20	35	90	12
221.220.55	22	35	90	12
221.240.55	24	35	90	12
221.300.55	30	35	90	12
221.350.55	35	35	90	12

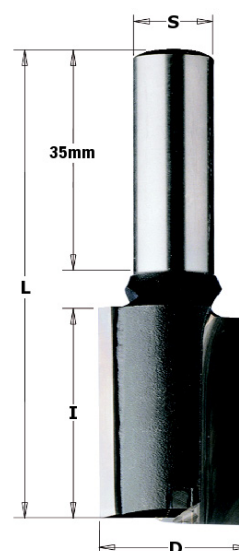


ART. 222

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I	L	S
222.040.55	4	10	65	10
222.050.55	5	12	65	10
222.060.55	6	14	65	10
222.070.55	7	17	65	10
222.080.55	8	20	65	10
222.090.55	9	23	65	10
222.100.55	10	25	70	10
222.101.55	10	40	87	10
222.120.55	12	25	70	10
222.121.55	12	40	87	10
222.140.55	14	25	70	10
222.141.55	14	40	87	10
222.150.55	15	25	70	10
222.151.55	15	40	87	10
222.160.55	16	25	70	10
222.161.55	16	40	87	10
222.180.55	18	25	70	10
222.181.55	18	40	87	10
222.200.55	20	25	70	10
222.201.55	20	40	87	10
222.220.55	22	25	70	10
222.240.55	24	25	70	10
222.250.55	25	25	70	10
222.260.55	26	25	70	10
222.300.55	30	25	70	10
222.350.55	35	25	70	10

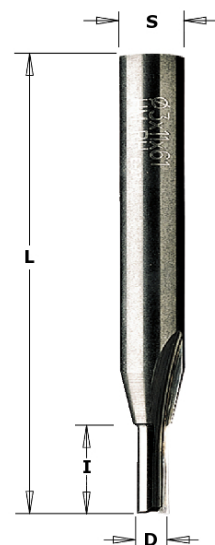


ART. 223

Punte pantografo a taglienti diritti

Router bit

Cod. Dx	D	I	L	S
223.030.55	3	10	55	8
223.040.55	4	10	55	8
223.050.55	5	12	55	8
223.060.55	6	14	55	8
223.070.55	7	17	55	8
223.080.55	8	20	55	8
223.090.55	9	20	55	8
223.100.55	10	20	60	8
223.110.55	11	20	60	8
223.120.55	12	20	60	8
223.130.55	13	20	60	8
223.140.55	14	20	60	8
223.150.55	15	20	60	8
223.160.55	16	20	70	8
223.161.55	16	40	90	8
223.180.55	18	20	70	8
223.200.55	20	20	70	8
223.220.55	22	10	70	8
223.240.55	24	10	70	8
223.260.55	26	10	70	8
223.280.55	28	10	70	8
223.300.55	30	10	70	8

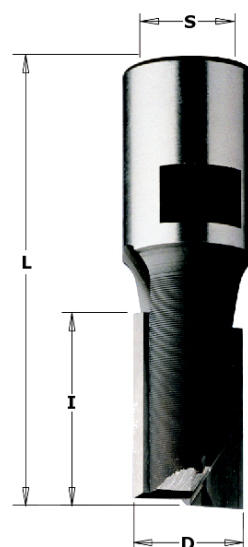


ART. 230

Frese a taglienti diritti per elettrofresatrici e cavatrici

Grooving cutters

Cod. Dx	D	I	L	S
230.060.55	6	18	60	M12×1
230.080.55	8	23	60	M12×1
230.081.55	8	35	67	M12×1
230.100.55	10	23	60	M12×1
230.101.55	10	35	67	M12×1
230.110.55	11	23	60	M12×1
230.111.55	11	35	67	M12×1
230.120.55	12	23	60	M12×1
230.121.55	12	35	67	M12×1
230.122.55	12	45	77	M12×1
230.140.55	14	23	60	M12×1
230.141.55	14	35	67	M12×1
230.150.55	15	25	60	M12×1
230.151.55	15	45	77	M12×1
230.160.55	16	25	60	M12×1
230.161.55	16	35	67	M12×1
230.162.55	16	45	77	M12×1
230.163.55	16	60	92	M12×1
230.180.55	18	25	60	M12×1
230.181.55	18	35	67	M12×1
230.182.55	18	45	77	M12×1
230.200.55	20	25	60	M12×1
230.201.55	20	35	67	M12×1
230.202.55	20	45	77	M12×1
230.203.55	20	60	92	M12×1
230.220.55	22	25	60	M12×1
230.221.55	22	35	67	M12×1
230.240.55	24	25	60	M12×1
230.250.55	25	25	60	M12×1
230.260.55	26	25	60	M12×1
230.280.55	28	25	60	M12×1
230.300.55	30	25	60	M12×1
230.350.55	35	25	60	M12×1

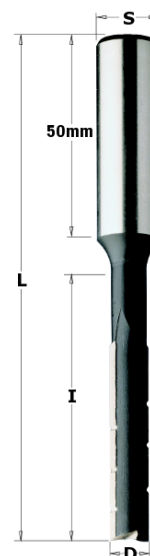


ART. 260 – ART.261

Frese a taglienti diritti con rompi truciolo per mortasare

Slot mortising bits with chip breaker

Cod. Dx	Cod. Sx	D	I	L	S
260.060.45	260.060.46	6	50	105	16
260.070.45	260.070.46	7	55	110	16
260.080.45	260.080.46	8	60	115	16
260.090.45	260.090.46	9	65	120	16
260.100.45	260.100.46	10	70	125	16
260.110.45	260.110.46	11	75	130	16
260.120.45	260.120.46	12	80	135	16
260.130.45	260.130.46	13	85	140	16
260.140.45	260.140.46	14	90	145	16
260.150.45	260.150.46	15	95	150	16
260.160.45	260.160.46	16	100	155	16
260.170.45	260.170.46	17	105	160	16
260.180.45	260.180.46	18	110	165	16
260.190.45	260.190.46	19	115	170	16
260.200.45	260.200.46	20	120	175	16
260.220.45	260.220.46	22	125	180	16
260.240.45	260.240.46	24	125	180	16
261.060.45	261.060.46	6	50	105	13
261.070.45	261.070.46	7	55	110	13
261.080.45	261.080.46	8	60	115	13
261.090.45	261.090.46	9	65	120	13
261.100.45	261.100.46	10	70	125	13
261.110.45	261.110.46	11	75	130	13
261.120.45	261.120.46	12	80	135	13
261.130.45	261.130.46	13	85	140	13
261.140.45	261.140.46	14	90	145	13
261.150.45	261.150.46	15	95	150	13
261.160.45	261.160.46	16	100	155	13
261.180.45	261.180.46	18	110	165	13
261.200.45	261.200.46	20	120	175	13



ART. 265 – ART.266

Frese a taglienti diritti ambidestri per mortasare

Reciprocating slot mortising bits

Cod. Dx	D	I	L	S
265.060.40	6	45	100	16
265.070.40	7	45	100	16
265.080.40	8	45	100	16
265.090.40	9	45	100	16
265.100.40	10	55	110	16
265.110.40	11	55	110	16
265.120.40	12	55	110	16
265.130.40	13	55	110	16
265.140.40	14	55	110	16
265.150.40	15	55	110	16
265.160.40	16	55	110	16
266.060.40	6	45	100	13
266.070.40	7	45	100	13
266.080.40	8	45	100	13
266.090.40	9	45	100	13
266.100.40	10	55	110	13
266.110.40	11	55	110	13
266.120.40	12	55	110	13
266.130.40	13	55	110	13

