

FRESE COMPONENTI Dal Ø 16 al Ø 100

GRUPPO 2

MANDRINI / Tool holders

2A Cono Morse

2AF Senza Penola



Gambo	CODICE	PREZZO €	CODICE	PREZZO €
M.T. 2	12.02.002 ●	138,00		
M.T. 3	12.02.003 ●	138,00	12.01.003 ●	242,55
M.T. 4	12.02.004 ●	149,30	12.01.004 ●	242,55
M.T. 5	12.02.005 □	331,20	12.01.005 □	495,80

2A/T

2AF/T Senza Penola



Gambo	CODICE	PREZZO €	CODICE	PREZZO €
M.T. 3	12.04.003 ●	223,50	12.03.003 ●	367,70
M.T. 4	12.04.004 ●	223,50	12.03.004 ●	367,70
M.T. 5	12.04.005 □	372,75	12.03.005 □	634,50

2C Cono Morse

Serie Lunga Long Type



Gambo	Lunghezza Guida	CODICE	PREZZO €
M.T. 3	175 mm	12.06.175 ●	270,15
M.T. 3	250 mm	12.06.250 ●	358,35

2B Gambo Cilindrico

Cylindrical Shank

Gambo	CODICE	PREZZO €
Ø 20	12.05.020 ●	148,00

2BW Weldon

2BW/T Weldon Shank



Gambo	CODICE	PREZZO €	CODICE	PREZZO €
Ø 25	12.05.025 ●	148,00		
Ø 32			12.05.032 ●	215,60

2D Registrabile

2D/T DIN 6237

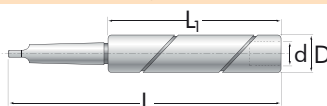


Gambo	CODICE	PREZZO €	CODICE	PREZZO €
TR-20	12.07.020 ●	292,45		
TR-28	12.07.028 ●	267,65	12.08.028 ●	351,10
TR-36	12.07.036 ▲	352,85	12.08.036 ▲	651,50
TR-48			12.08.048 ▲	728,45

Penole / Threaded tang

C.M.	Filetto	CODICE	PREZZO €
M.T.3	M.12	14.03.012 ●	26,55
M.T.4	M.16	20.03.016 ●	30,20
M.T.5	M.20	40.03.020 ●	30,20

MANDRINI/Toolholders 2C



Typo	L	L1	d(H7)	D(h7)
2C 175 mm	277	175	22	40
2C 250 mm	352	250		

PUNTE / Drills

2/C

2/L



Ø h8	CODICE	PREZZO €	CODICE	PREZZO €
*11,0	12.14.110 ●	48,00	12.15.110 ●	50,80
*11,5	12.14.115 ●	48,00	12.15.115 ●	50,80
12,0	12.14.120 ●	54,20	12.15.120 ●	57,65
12,2	12.14.122 ●	54,20	12.15.122 ●	57,65
12,5	12.14.125 ●	54,20	12.15.125 ●	57,65
13,0	12.14.130 ●	57,65	12.15.130 ●	60,40
13,5	12.14.135 ●	62,45	12.15.135 ●	65,20
14,0	12.14.140 ●	65,80	12.15.140 ●	69,25
14,5	12.14.145 ●	67,30	12.15.145 ●	69,90
15,0	12.14.150 ●	69,90	12.15.150 ●	73,45
15,1	12.14.151 ●	69,90	12.15.151 ●	73,45
15,5	12.14.155 ●	69,90	12.15.155 ●	73,45
16,0	12.14.160 ●	80,15	12.15.160 ●	82,20
16,5	12.14.165 ●	80,15	12.15.165 ●	82,20
17,0	12.14.170 ●	81,55	12.15.170 ●	84,35
17,5	12.14.175 ●	85,65	12.15.175 ●	89,80
18,0	12.14.180 ●	91,20	12.15.180 ●	94,55
18,5	12.14.185 ●	91,20	12.15.185 ●	94,55
19,0	12.14.190 ●	95,90	12.15.190 ●	99,35
19,25	12.14.193 ▲	98,35	12.15.193 ▲	101,80
19,5	12.14.195 ●	99,35	12.15.195 ●	102,25
20,0	12.14.200 ●	103,60	12.15.200 ●	106,25
21,0	12.14.210 ●	103,60	12.15.210 ●	106,25
22,0	12.14.220 ●	115,10	12.15.220 ●	119,25
23,0	12.14.230 ●	125,45	12.15.230 ●	128,15
24,0	12.14.240 ●	128,15	12.15.240 ●	129,55
25,0	12.14.250 ●	132,20	12.15.250 ●	134,80

*Da NON impiegare con frese in M.D.

PUNTE/Drills 2/C - 2/L

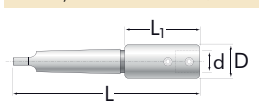
Typo	L	L1	d
2/C	125	30	10
2/L	145	50	

GUIDE/Pilots 2/F - 2/R

L	L1	d	D(e8)
105	20	10	10 - 52

MANDRINI/Toolholders 2A-2AF

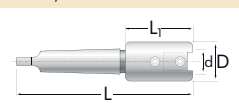
Frese / Counterbores <= Ø 49



Gambo	L	L1	d(H7)	D(h7)
C.M.2	158			
C.M.3	177	75	22	36
C.M.4	203			
C.M.5	235			

2A/T - 2AF/T

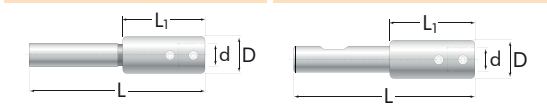
Frese / Counterbores >= Ø 50



L	L1	d(H7)	D(h7)
185			
211	83	22	48
243			

MANDRINI/Tool holders 2B

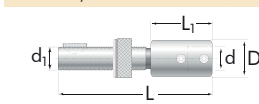
2BW - 2BW/T



Typo	Gambo	L	L1	d(H7)	D(h7)
B	Cilindrico Ø 20	147			
BW	Weldon Ø 25	135	75	22	36
BW/T	Weldon Ø 32	147	83	22	48

MANDRINI/Tool holders 2D C.N.

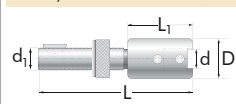
Frese / Counterbores <= Ø 49



Gambo	L	L1	d(H7)	D(h7)
TR-20	163			
TR-28	170	75	22	36
TR-36	193			
TR-48				

2D/T C.N.

Frese / Counterbores >= Ø 50



L	L1	d(H7)	D(h7)
180			
201	83	22	48
228			

GUIDE / Pilots

2/F



Ø e8	CODICE	PREZZO €
*10,0	12.16.100 ●	17,45
*10,5	12.16.105 ●	17,45
*11,0	12.16.110 ●	17,45
*11,5	12.16.115 ●	17,45
12,0	12.16.120 ●	17,45
12,5	12.16.125 ●	17,45
13,0	12.16.130 ●	17,45
13,5	12.16.135 ●	17,45
14,0	12.16.140 ●	19,55
14,5	12.16.145 ●	19,55
15,0	12.16.150 ●	19,55
15,5	12.16.155 ●	19,55

2/R

Ø e8	CODICE	PREZZO €
16,0	12.16.160 ●	35,45
16,5	12.16.165 ●	35,45
17,0	12.16.170 ●	35,45
17,5	12.16.175 ●	36,00
18,0	12.16.180 ●	36,00
18,5	12.16.185 ●	36,00
19,0	12.16.190 ●	36,00
19,5	12.16.195 ○	46,30
20,0	12.16.200 ○	36,00
20,5	12.16.205 ○	47,15
21,0	12.16.210 ○	36,85
21,5	12.16.215 ○	47,15
22,0	12.16.220 ○	36,85
22,5	12.16.225 ○	48,60
23,0	12.16.230 ○	38,30
23,5	12.16.235 ○	48,60
24,0	12.16.240 ○	38,30
24,5	12.16.245 ○	48,60
25,0	12.16.250 ○	38,30
25,5	12.16.255 ○	50,05
26,0	12.16.260 ○	39,75
26,5	12.16.265 ○	50,05
27,0	12.16.270 ○	39,75
27,5	12.16.275 ○	50,05
28,0	12.16.280 ○	39,75
28,5	12.16.285 ○	50,05
29,0	12.16.290 ○	39,75
29,5	12.16.295 ○	52,10
30,0	12.16.300 ○	41,80
30,5	12.16.305 ○	52,10
31,0	12.16.310 ○	41,80
31,5	12.16.315 ○	52,80
32,0	12.16.320 ○	42,45
32,5	12.16.325 ○	54,85
33,0	12.16.330 ○	44,55
33,5	12.16.335 ○	54,85
34,0	12.16.340 ○	44,55
34,5	12.16.345 ○	54,85
35,0	12.16.350 ○	44,55
35,5	12.16.355 ○	54,85
36,0	12.16.360 ○	44,55
36,5	12.16.365 ○	59,30
37,0	12.16.370 ○	49,00
37,5	12.16.375 ○	62,30
38,0	12.16.380 ○	52,00
38,5	12.16.385 ○	65,10
39,0	12.16.390 ○	54,80
39,5	12.16.395 ○	70,85
40,0	12.16.400 ○	60,55
41,0	12.16.410 ○	79,50
42,0	12.16.420 ○	69,20
43,0	12.16.430 ○	79,50
44,0	12.16.440 ○	69,20
45,0	12.16.450 ○	83,80
46,0	12.16.460 ○	73,50
47,0	12.16.470 ○	85,80
48,0	12.16.480 ○	75,50
49,0	12.16.490 ○	85,80
50,0	12.16.500 ○	75,50
51,0	12.16.510 ○	87,20
52,0	12.16.520 ○	76,85