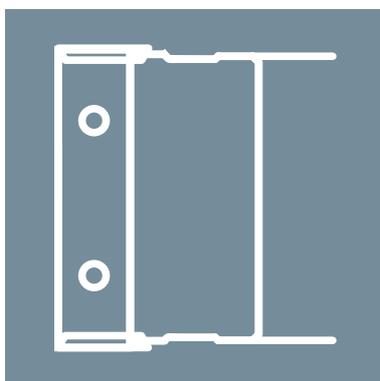


TESTE CON COLTELLI REVERSIBILI



CUTTERHEADS WITH REVERSIBLE KNIVES

WENDEPLATTE FRAESER MIT WENDEMESSER

CABEZALES CON CUCHILLAS REVERSIBLES

P.O. AVEC PLAQUETTES REVERSIBLES

ФРЕЗЫ С НОЖАМИ РЕВЕРСИВНЫМИ

teste con coltelli reversibili

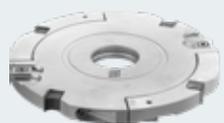
cutterheads with reversible knives

wendeplatte fraeser mit wendemesser

cabezales con cuchillas reversibles

p.o. avec plaquettes reversibles

фрезы с ножами реверсивными

<p>Art. 987</p> 	pag. 61	<p>Art. 923 A</p> 	pag. 68	<p>Art. 923 I</p> 	pag. 76	<p>Art. 751</p> 	pag. 83
<p>Art. 919</p> 	pag. 61	<p>Art. 923 B</p> 	pag. 69	<p>Art. 983</p> 	pag. 77	<p>Art. 1101</p> 	pag. 83
<p>Art. 989</p> 	pag. 62	<p>Art. 923 C</p> 	pag. 70	<p>Art. 494</p> 	pag. 78	<p>Art. 1105</p> 	pag. 84
<p>Art. 990</p> 	pag. 62	<p>Art. 923 D</p> 	pag. 71	<p>Art. 495</p> 	pag. 79	<p>Art. 101</p> 	pag. 85
<p>Art. 963</p> 	pag. 63	<p>Art. 923 E</p> 	pag. 72	<p>Art. 951</p> 	pag. 80	<p>Art. 994</p> 	pag. 86
<p>Art. 988</p> 	pag. 64	<p>Art. 923 F</p> 	pag. 73	<p>Art. 948</p> 	pag. 81	<p>Art. 1103</p> 	pag. 87
<p>Art. 676</p> 	pag. 65	<p>Art. 923 G</p> 	pag. 74	<p>Art. 100</p> 	pag. 81	<p>Art. 1104</p> 	pag. 87
<p>Art. 1100</p> 	pag. 66	<p>Art. 923 H</p> 	pag. 75	<p>Art. 955</p> 	pag. 82	<p>Art. 949</p> 	pag. 88

teste con coltelli reversibili

cutterheads with reversible knives

wendeplatte fraeser mit wendemesser

cabezales con cuchillas reversibles

p.o. avec plaquettes reversibles

фрезы с ножами реверсивными

<p>Art. 970</p> 	<p>pag. 89</p>	<p>Art. 470</p> 	<p>pag. 96</p>	<p>Art. 2021C</p> 	<p>pag. 108</p>	<p>Art. 2005</p> 	<p>pag. 115</p>
<p>Art. 976</p> 	<p>pag. 90</p>	<p>Art. 475</p> 	<p>pag. 96</p>	<p>Art. 2049</p> 	<p>pag. 110</p>	<p>Art. 356</p> 	<p>pag. 116</p>
<p>Art. 1300</p> 	<p>pag. 90</p>	<p>Art. 480</p> 	<p>pag. 97</p>	<p>Art. 2070</p> 	<p>pag. 111</p>	<p>Art. 716</p> 	<p>pag. 117</p>
<p>Art. 991</p> 	<p>pag. 91</p>	<p>Art. 485</p> 	<p>pag. 98</p>	<p>Art. 2051</p> 	<p>pag. 112</p>	<p>Art. 717</p> 	<p>pag. 118</p>
<p>Art. 993</p> 	<p>pag. 91</p>	<p>Art. 1109 A</p> 	<p>pag. 100</p>	<p>Art. 1102</p> 	<p>pag. 113</p>	<p>Art. 718</p> 	<p>pag. 119</p>
<p>Art. 950</p> 	<p>pag. 92</p>	<p>Art. 1109 B</p> 	<p>pag. 102</p>	<p>Art. 1108</p> 	<p>pag. 113</p>	<p>Art. 2037</p> 	<p>pag. 120</p>
<p>Art. 199</p> 	<p>pag. 94</p>	<p>Art. 2021A</p> 	<p>pag. 104</p>	<p>Art. 358</p> 	<p>pag. 114</p>	<p>Art. 1107</p> 	<p>pag. 121</p>
<p>Art. 200</p> 	<p>pag. 95</p>	<p>Art. 2021B</p> 	<p>pag. 106</p>	<p>Art. 1106</p> 	<p>pag. 114</p>	<p>Art. 2036</p> 	<p>pag. 122</p>

teste con coltelli reversibili

cutterheads with reversible knives

wendeplatte fraeser mit wendemesser

cabezales con cuchillas reversibles

p.o. avec plaquettes reversibles

фрезы с ножами реверсивными

Art.733



pag.
123

Art. 1201



pag.
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Art. 410



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Art. 903



pag.
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Art. 1110



pag.
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Art. 1112



pag.
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Art. 980



pag.
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Art. 1200



pag.
130

Art. 987

testa per battute con taglienti alternati inclinati

planning cutterhead with inclined alternated teeth

HobelmesserKopf mit schrägen wechselnd Zähne

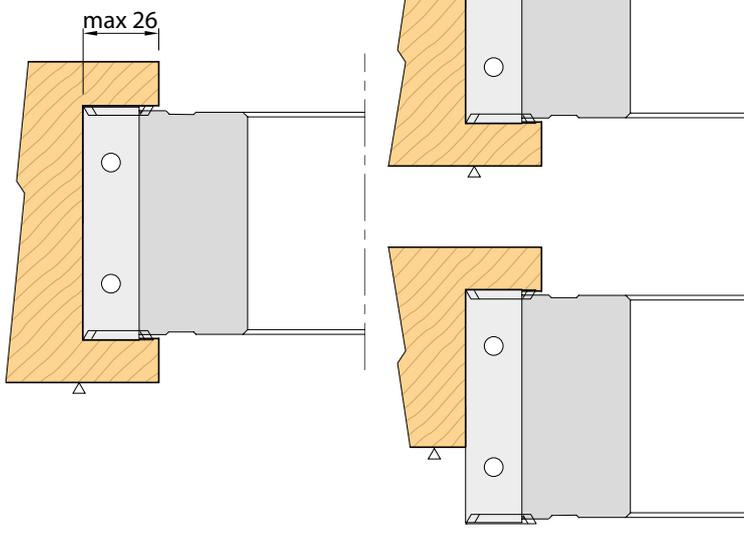
cabezal para topes con filos cortantes alternados inclinados

p.o. à calibrer et à feuillurer avec plaquettes alternées inclinées

фальцевая фреза с ножами поочередно под наклоном



AXIAL



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
987 10	125	50	30	4+4	6200 - 10000	4,318
987 11	125	50	35	4+4	6200 - 10000	4,222
987 12	125	50	40	4+4	6200 - 10000	4,113
987 13	125	50	50	4+4	6200 - 10000	3,849
987 14	125	60	30	4+4	6200 - 10000	5,181
987 15	125	60	35	4+4	6200 - 10000	5,067
987 16	125	60	40	4+4	6200 - 10000	4,935
987 17	125	60	50	4+4	6200 - 10000	4,618
987 18	125	80	30	4+4	6200 - 10000	6,908
987 19	125	80	35	4+4	6200 - 10000	6,756
987 20	125	80	40	4+4	6200 - 10000	6,580
987 21	125	80	50	4+4	6200 - 10000	6,158
987 22	125	120	30	4+4	6200 - 10000	10,363
987 23	125	120	35	4+4	6200 - 10000	10,134
987 24	125	120	40	4+4	6200 - 10000	9,870
987 25	125	120	50	4+4	6200 - 10000	9,237

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 20	Coltello / Knife	50 x12 x 1,5
907 22	Coltello / Knife	60 x12 x 1,5
907 23	Coltello / Knife	80 x13 x 2,2x
907 25	Coltello / Knife	120 x13 x 2,2
943 10	Rasante / Spur	14 x 14 x 2
CU 49	Cuneo / Wedge	49
CU 59	Cuneo / Wedge	59
CU 79	Cuneo / Wedge	79
CU 119	Cuneo / Wedge	119
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 16	Vite / Screw	M8 x 16
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx

Art. 919

testa con profilo inclinato a 45°

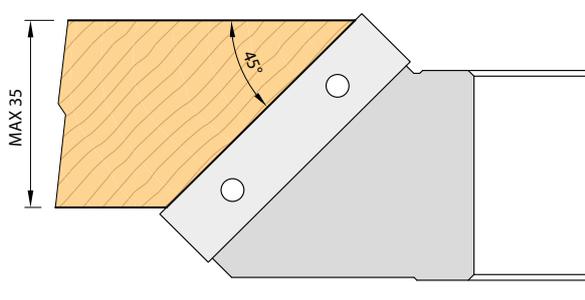
cutterhead with inclined profile at 45°

MesserKopf mit schrägen Profil 45°

cabezas portacuchillos con perfil inclinado de 45°

p.o. avec profil incliné à 45°

фреза с профилем под 45°



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
919 10	145	50	30	2	4000 - 7000	4,969
919 11	150	50	35	2	4000 - 7000	5,253
919 12	160	50	40	2	4000 - 7000	5,926
919 13	160	50	50	2	4000 - 7000	5,704

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 20	Coltello / Knife	50 x12 x 1,5
CU 49	Cuneo / Wedge	49
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4

Art. 989

testa per piallare con taglienti inclinati assiali

planning cutterhead with inclined teeth axial

HobelmesserKopf mit schrägen Zaeihen axial

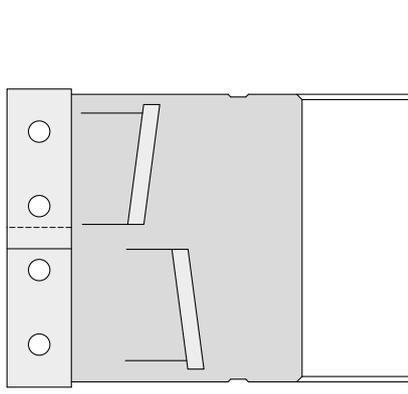
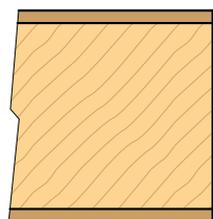
cabezal para cepillar con filos cortantes de inclinación axial

p.o. à raboter avec plaquettes inclinées axiales

строгальная фреза с аксиальными ножами под наклоном



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
989 10	125	56	30	3+3	6200 - 10000	4,836
989 11	125	56	35	3+3	6200 - 10000	4,729
989 12	125	56	40	3+3	6200 - 10000	4,606
989 13	125	56	50	3+3	6200 - 10000	4,310
989 14	150	56	30	3+3	4800 - 8300	7,094
989 15	150	56	35	3+3	4800 - 8300	6,987
989 16	150	56	40	3+3	4800 - 8300	6,864
989 17	150	56	50	3+3	4800 - 8300	6,568



Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 18	Coltello / Knife	30 x 12 x 1,5
CU 29	Cuneo / Wedge	29
VT M8 x 16	Vite / Screw	M8 x 16
CHT 4	Chiave / Allen key	T4

Art. 990

Testa per sedi ferramenta

Head for ironwork seats

Kopf für Sitze Eisenhütte

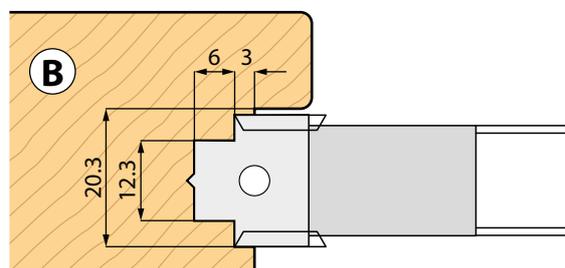
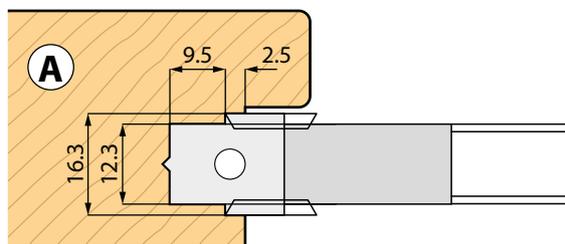
Cabeza para sedes cerrajería

p.o. pour serrurerie

Фреза для выборки мест для скобяных изделий и фурнитуры



Cod.	Rif	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
990 10	A	160	16,3	30	2+4	4800 - 8300	2,237
990 11	A	160	16,3	35	2+4	4800 - 8300	2,207
990 12	A	160	16,3	40	2+4	4800 - 8300	2,173
990 13	A	160	16,3	50	2+4	4800 - 8300	2,092
990 14	B	160	20,3	30	2+4	4800 - 8300	2,786
990 15	B	160	20,3	35	2+4	4800 - 8300	2,749
990 16	B	160	20,3	40	2+4	4800 - 8300	2,707
990 17	B	160	20,3	50	2+4	4800 - 8300	2,605



Cod.	Parti di ricambio Spare Partes	Rif	Dimensions mm
990 50	Coltello / Knife	A	16 x 30 x 2
990 51	Coltello / Knife	B	20 x 25 x 2
943 10	Rasante / Spur	A-B	14 x 14 x 2
CU 15	Cuneo / Wedge	A	15
CU 19	Cuneo / Wedge	B	19
VT M5 x 7 torx	Vite / Screw	A-B	M5 x 7 torx
VT M8 x 16	Vite / Screw	A-B	M8 x 16
CHT 3	Chiave / Allen key		T3
CHT 4	Chiave / Allen key		T4
CHT15 torx	Chiave / Allen key		T15 torx

Art. 963

Testa ad inclinazione variabile da 0° a 84°

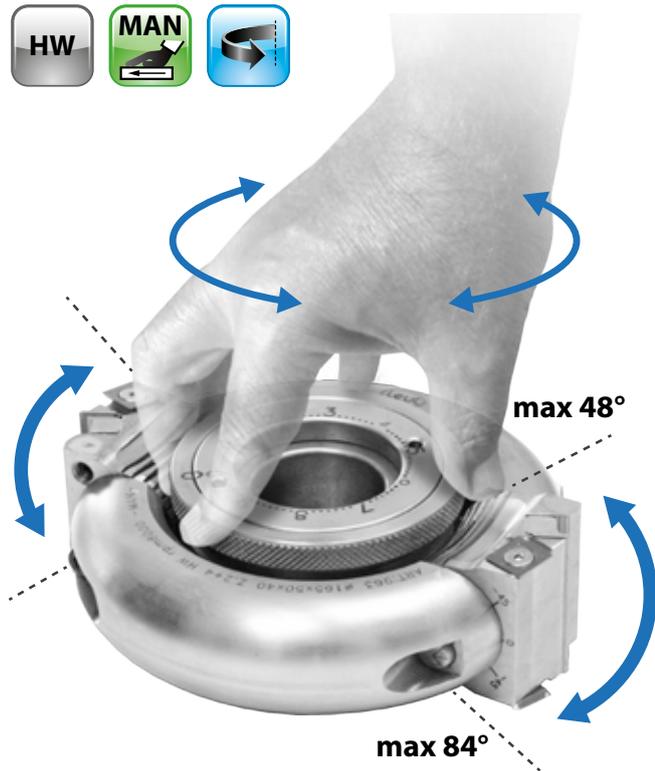
Cutterhead with variable inclination from 0° to 84°

Messerkopf mit verstellbarer Neigung 0° bis 84°

Cabezal de inclinación variable de 0° a 84°

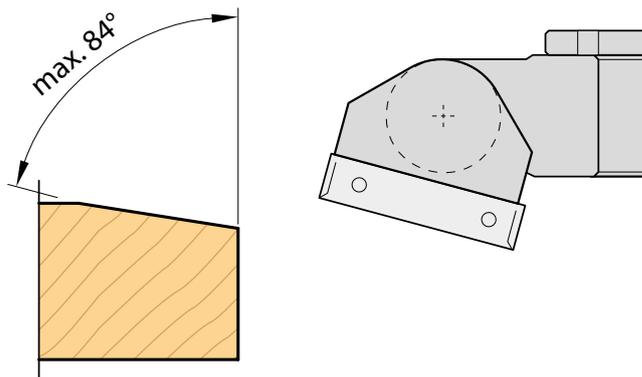
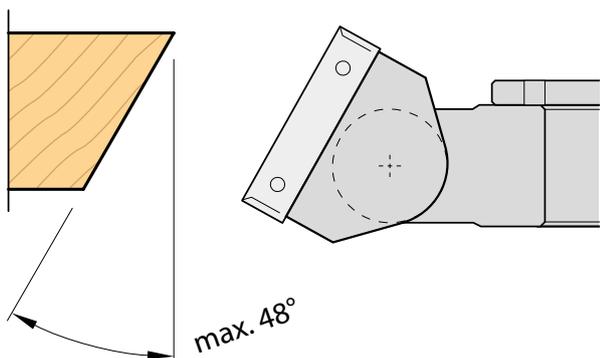
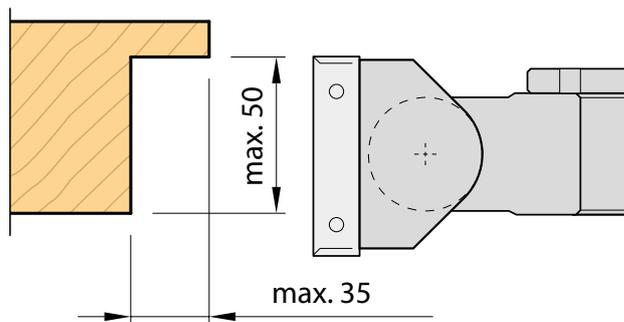
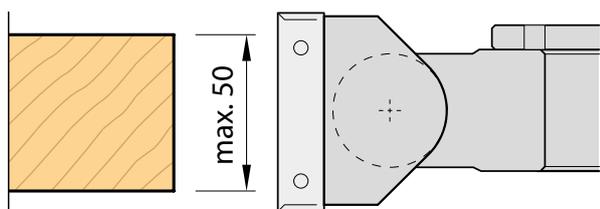
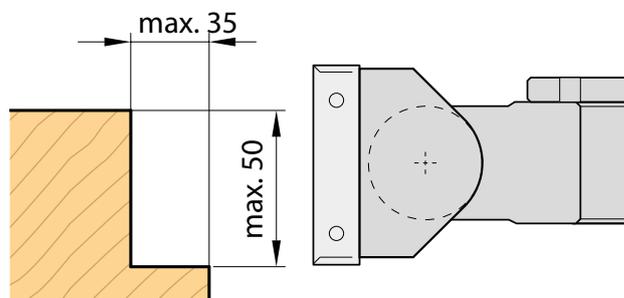
P.O. à inclinaison variable de 0° à 84°

Фреза с варьирующим наклоном от 0° до 84°



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
963 10	165	50	30	2+4	4800 - 8300	6,907
963 11	165	50	35	2+4	4800 - 8300	6,821
963 12	165	50	40	2+4	4800 - 8300	6,723
963 13	165	50	50	2+4	4800 - 8300	6,487

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 20	Coltello / Knife	50 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 49	Cuneo / Wedge	49
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 12	Vite / Screw	M8 x 12
CH T3	Chiave / Allen key	T3
CH T4	Chiave / Allen key	T4
CH T15 torx	Chiave / Allen key	T15 torx



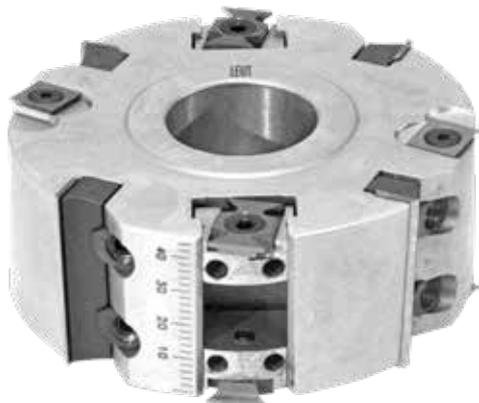
contouring cutterhead with edgebreaker

KonturmesserKopf mit Kantenbrecher

cabezal para cantear con maticantos

p.o. pour contourner avec briseurs d'arêtes

фреза для обработки кромки



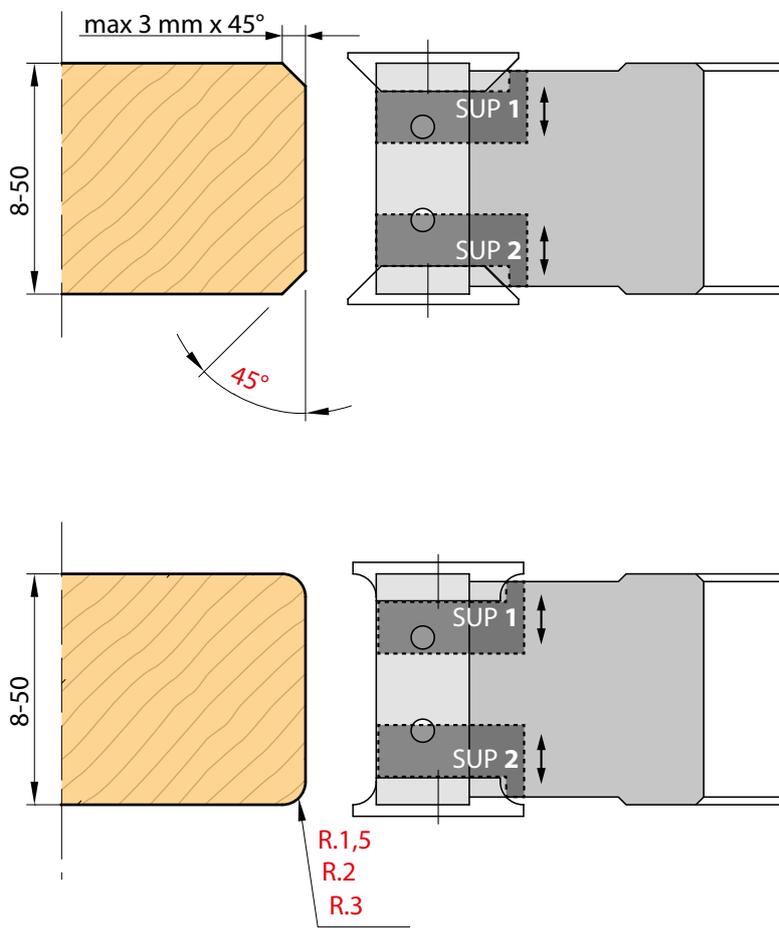
Profile R 1,5-2-3-45°		ø D	B	ø d	Z	rpm	weight
Cod.		mm	mm	mm		min/max	kg.
988 10		125	50	30	4+4	5900 - 10000	4,272
988 11		125	50	35	4+4	5900 - 10000	4,178
988 12		125	50	40	4+4	5900 - 10000	4,069
988 13		125	50	50	4+4	5900 - 10000	3,808

Cod.		Parti di ricambio Spare Parts	Rif. Profile	Dimensions mm
907 20		Coltello / Knife		50 x 12 x 1,5
943 10		Rasante / Spur		14 x 14 x 2
944 10		Inserto smussatore / Beveling insert	45°	22 x 16 x 5
944 A10		Inserto raggiatore / Rounding insert	R 1,5	22 x 16 x 5
944 A11		Inserto raggiatore / Rounding insert	R 2	22 x 16 x 5
944 A12		Inserto raggiatore / Rounding insert	R 3	22 x 16 x 5
SP 1		Supporto / Support	SUP 1	25 x 20 x 12
SP 2		Supporto / Support	SUP 2	25 x 20 x 12
CU 49		Cuneo / Wedge		49
OG M8		Ogiva / Nut		M8
VT M8 - M6		Vite / Screw		M8 - M6
VT M5 x 7 torx		Vite / Screw		M5 x 7 torx
VT M6 x 14		Vite / Screw		M6 x 14
VT M5 x 10		Vite / Screw		M5 x 10
CH T 2,5		Chiave / Allen key		T 2,5
CH T3		Chiave / Allen key		T3
CH T4		Chiave / Allen key		T4
CH T15 torx		Chiave / Allen key		T15 torx



Profile R 1,5-2-3-45°

Nell'ordine specificare un solo tipo di profilo
When ordering, specify only one type of profile
Geben Sie bei der Bestellung nur einen Profiltyp an
Lors de la commande, précisez un seul type de profil
Al realizar el pedido, especifique solo un tipo de perfil
При заказе указывайте только один тип профиля



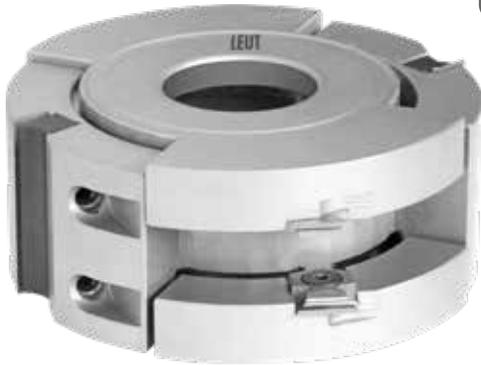
cutter head set for jointing, rounding and beveling

Fräskopf-einheit zum anfasen und abrunden

juego de cabezales para cantear, biselar y redondear

jeu de p.o. pour dresser, arrondir et chanfreiner

комплект ножевых головок для снятия фаски



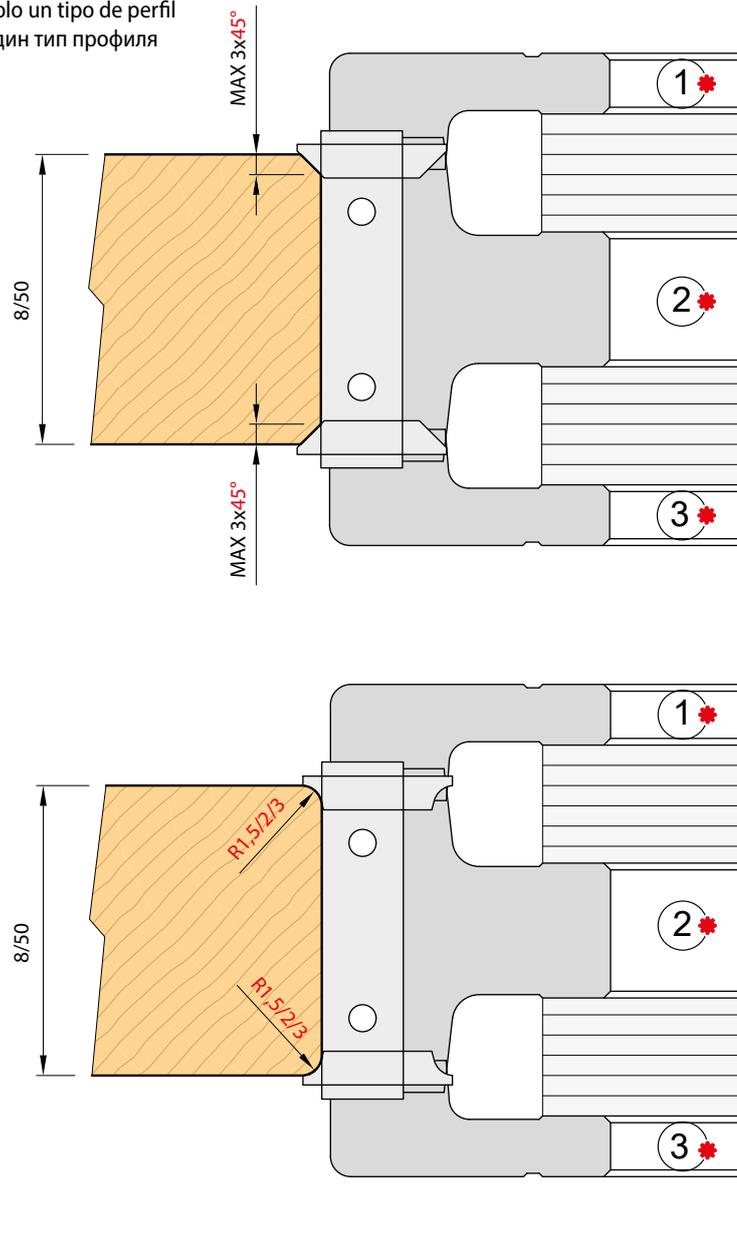
Profile R 1,5-2-3-45°		ø D	B	ø d	Z	rpm	weight
Cod.		mm	mm	mm		min/max	kg.
676 10		125	70	30	2	5900 - 10000	7,111
676 11		125	70	35	2	5900 - 10000	6,987
676 12		125	70	40	2	5900 - 10000	6,845
676 13		125	70	50	2	5900 - 10000	6,503



Profile R 1,5-2-3-45°

Nell'ordine specificare un solo tipo di profilo
 When ordering, specify only one type of profile
 Geben Sie bei der Bestellung nur einen Profiltyp an
 Lors de la commande, précisez un seul type de profil
 Al realizar el pedido, especifique solo un tipo de perfil
 При заказе указывайте только один тип профиля

Cod.		Parti di ricambio	•	Rif.	Dimensions
		Spare Parts		Profile	mm
907 20		Coltello / Knife	2		50 x 12 x 1,5
944 10		Inserto smussatore / Beveling insert	1-3	45°	22 x 16 x 5
944 A 10		Inserto raggatore / Rounding insert	1-3	R1,5	22 x 16 x 5
944 A 11		Inserto raggatore / Rounding insert	1-3	R2	22 x 16 x 5
944 A 12		Inserto raggatore / Rounding insert	1-3	R3	22 x 16 x 5
CU 49		Cuneo / Wedge			49
VT M5 x 12		Vite / Screw			M5 x 12
VT M8 x 16		Vite / Screw			M8 x 16
CHT3		Chiave / Allen key			T3
CHT4		Chiave / Allen key			T4



cutterhead with adjustable thickness multipurpose

VielzweckmesserKopf mit verstellbar Dicke

cabezal de espesor variable multiuso

p.o. à épaisseur variable multifonction

фреза варьирующей толщины многоцелевая



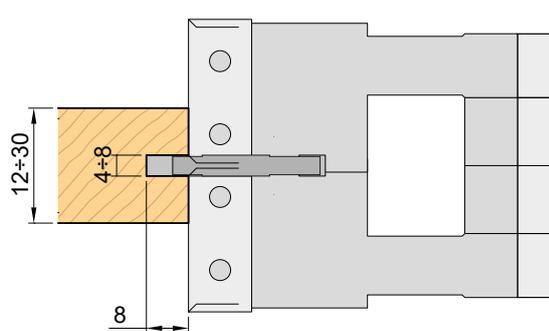
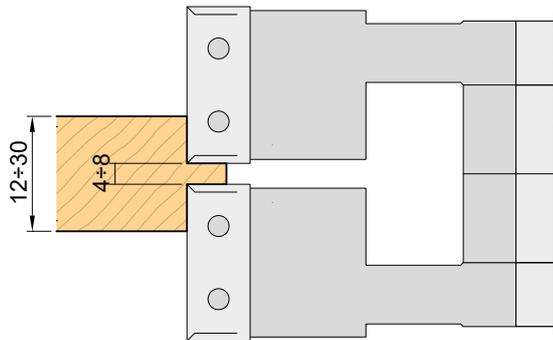
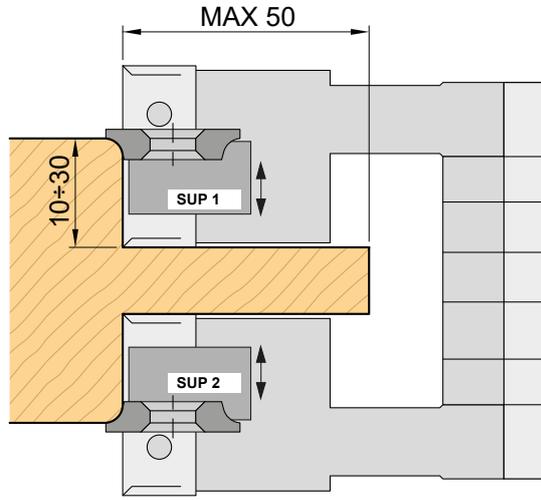
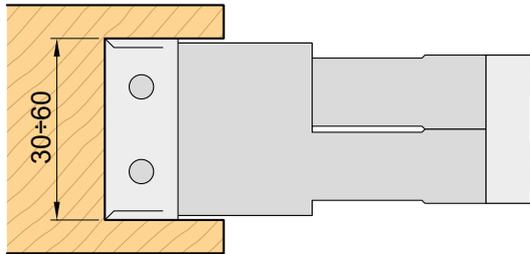
Profile R 1,5-2-3-45°		ø D	B	ø d	Z	rpm	weight
Cod.		mm	mm	mm		min/max	kg.
1100 10		160	30/60	30	4+4	5900 - 10000	4,300
1100 11		160	30/60	35	4+4	5900 - 10000	4,243
1100 12		160	30/60	40	4+4	5900 - 10000	4,178
1100 13		160	30/60	50	4+4	5900 - 10000	4,021

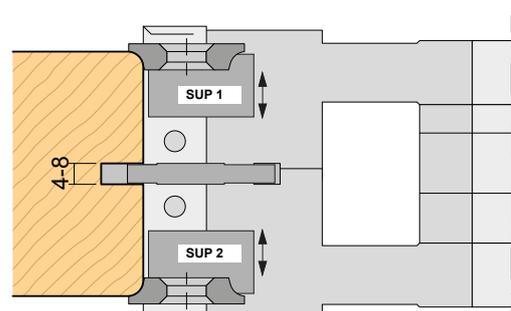
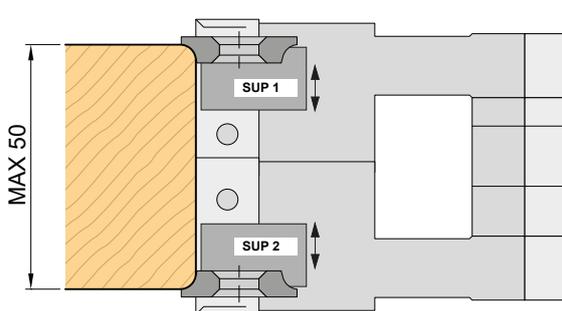
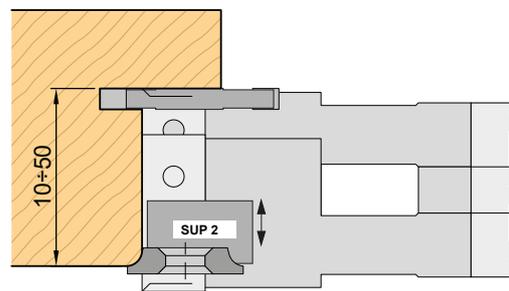
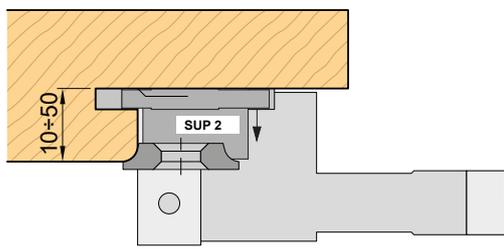
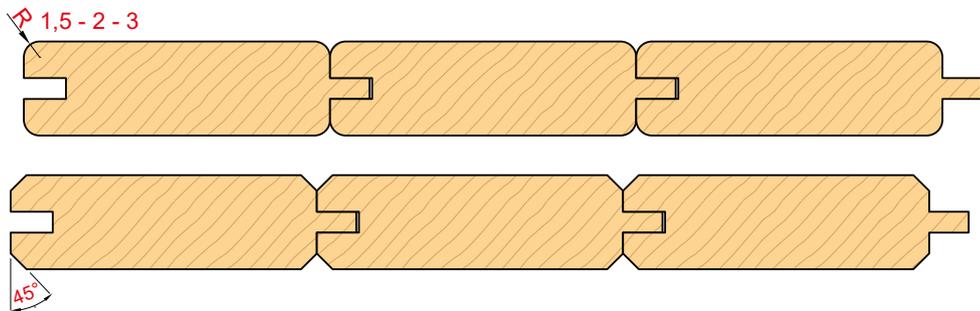
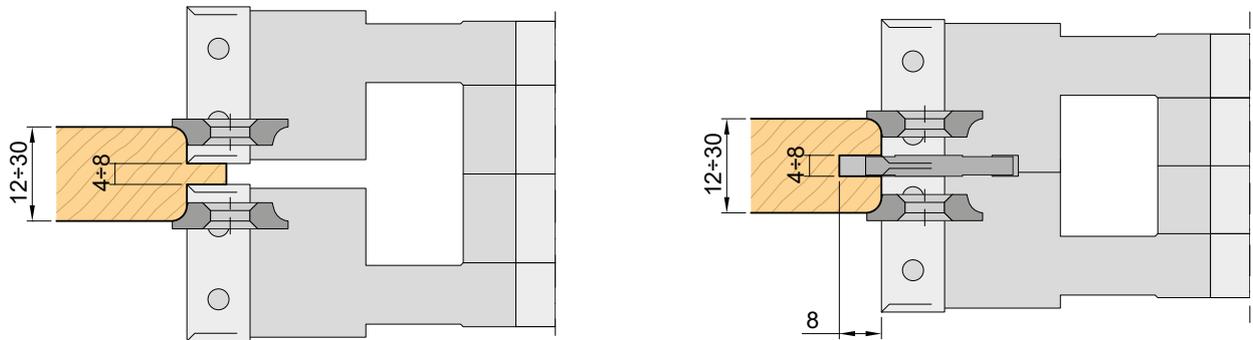
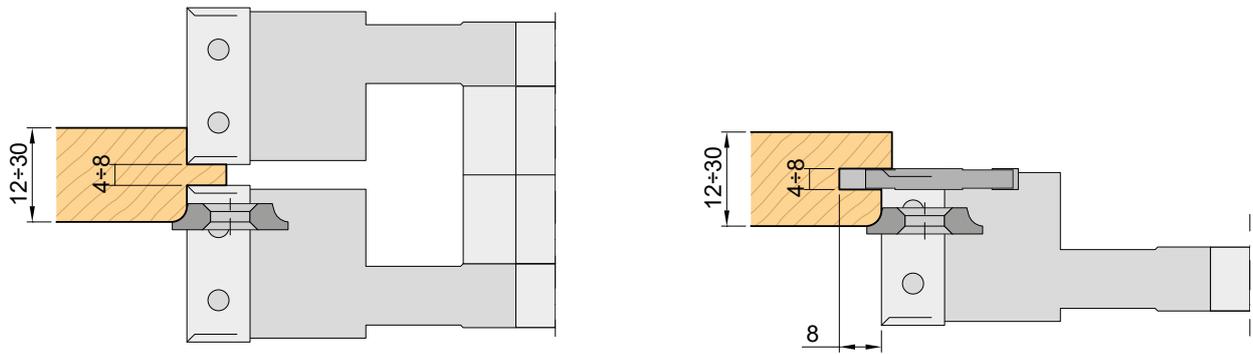
Cod.		Parti di ricambio Spare Parts	Rif. Profile	Dimensions mm
907 18		Coltello / Knife		30 x 12 x 1,5
943 10		Rasante / Spur		14 x 14 x 2
945 D11		Inserto per incastri / Grooving insert		25 x 20 x 4
944 10		Inserto smussatore / Beveling insert	45°	22 x 16 x 5
944 A 10		Inserto raggatore / Rounding insert	R 1,5	22 x 16 x 5
944 A 11		Inserto raggatore / Rounding insert	R 2	22 x 16 x 5
944 A 12		Inserto raggatore / Rounding insert	R 3	22 x 16 x 5
SP 1		Supporto / Support	SUP 1	25 x 20 x 12
SP 2		Supporto / Support	SUP 2	25 x 20 x 12
CU 29		Cuneo / Wedge		29
OG M8		Ogiva / Nut		M8
VT M8 - M6		Vite / Screw		M8 - M6
VT M5 x 7 torx		Vite / Screw		M5 x 7 torx
VT M5 x 10		Vite / Screw		M5 x 10
VT M5 x 12		Vite / Screw		M5 x 12
VT M6 x 14		Vite / Screw		M6 x 14
CH T 2,5		Chiave / Allen key		T 2.5
CH T 3		Chiave / Allen key		T 3
CH T 4		Chiave / Allen key		T 4
CH T15 torx		Chiave / Allen key		T15 torx



Profile R 1,5-2-3-45°

Nell'ordine specificare un solo tipo di profilo
When ordering, specify only one type of profile
Geben Sie bei der Bestellung nur einen Profiltyp an
Lors de la commande, précisez un seul type de profil
Al realizar el pedido, especifique solo un tipo de perfil
При заказе указывайте только один тип профиля





Art. 923A

testa per incastrì regolabili con anelli

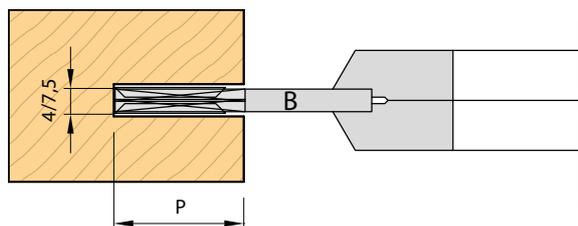
adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

cabezal para ensamblajes ajustables con anillos

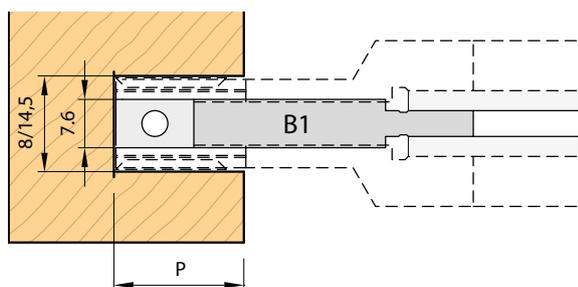
p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923A 10	120	4/7,5	30	4+4	20	4500 - 8500	0,350
923A 11	120	4/7,5	35	4+4	20	4500 - 8500	0,342
923A 12	120	4/7,5	40	4+4	20	4500 - 8500	0,332
923A 13	140	4/7,5	30	4+4	25	5500 - 9500	0,485
923A 14	140	4/7,5	35	4+4	25	5500 - 9500	0,476
923A 15	140	4/7,5	40	4+4	25	5500 - 9500	0,467
923A 16	140	4/7,5	50	4+4	25	5500 - 9500	0,443
923A 17	160	4/7,5	30	8+4	35	5000 - 9000	0,640
923A 18	160	4/7,5	35	8+4	35	5000 - 9000	0,632
923A 19	160	4/7,5	40	8+4	35	5000 - 9000	0,622
923A 20	160	4/7,5	50	8+4	35	5000 - 9000	0,599
923A 21	200	4/7,5	30	8+4	45	4000 - 6000	1,014
923A 22	200	4/7,5	35	8+4	45	4000 - 6000	1,005
923A 23	200	4/7,5	40	8+4	45	4000 - 6000	0,996
923A 24	200	4/7,5	50	8+4	45	4000 - 6000	0,972

Cod.		Parti di ricambio Spare Partes	Dimensions mm
979 10		Inserto per incastrì / Grooving insert	18 x 18 x 1,9
943 10		Rasante / Spur	14 x 14 x 2
GH 11,6 x 1,5 x 4		Ghiera / Nut	11,6 x 1,5 x 4
GH 9,35 x 1,7 x 4		Ghiera / Nut	9,35 x 1,7 x 4
VT M4 x 3,2 torx		Vite / Screw	M4 x 3,2 torx
CH T9 torx		Chiave / Allen key	T9 torx



Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923A 25	120	7,6	30	2	20	4500 - 8500	0,317
923A 26	120	7,6	35	2	20	4500 - 8500	0,309
923A 27	120	7,6	40	2	20	4500 - 8500	0,300
923A 28	140	7,6	30	2	25	5500 - 9500	0,439
923A 29	140	7,6	35	2	25	5500 - 9500	0,431
923A 30	140	7,6	40	2	25	5500 - 9500	0,422
923A 31	140	7,6	50	2	25	5500 - 9500	0,401
923A 32	160	7,6	30	2	35	5000 - 9000	0,579
923A 33	160	7,6	35	2	35	5000 - 9000	0,572
923A 34	160	7,6	40	2	35	5000 - 9000	0,563
923A 35	160	7,6	50	2	35	5000 - 9000	0,542
923A 36	200	7,6	30	2	45	4000 - 6000	0,917
923A 37	200	7,6	35	2	45	4000 - 6000	0,910
923A 38	200	7,6	40	2	45	4000 - 6000	0,901
923A 39	200	7,6	50	2	45	4000 - 6000	0,880

Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 10		Coltello / Knife	7,6 x 12 x 1,5
CU 7		Cuneo / Wedge	7
VT M6 x 16		Vite / Screw	M6 x 16
CH T3		Chiave / Allen key	T3

Art. 923B

testa per incastri regolabili con anelli

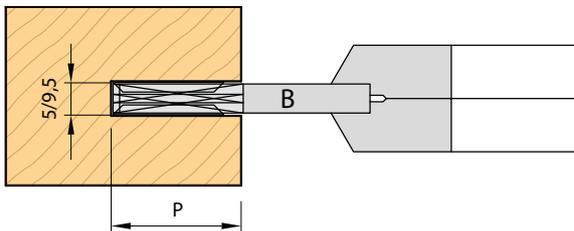
adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

cabezal para ensamblajes ajustables con anillos

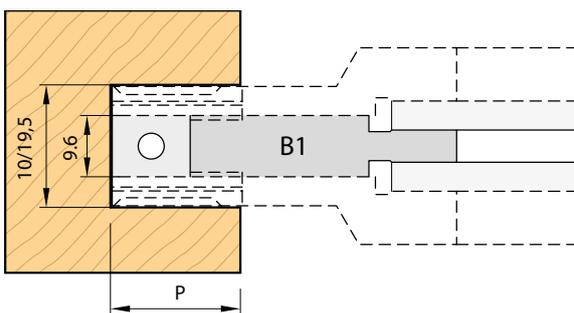
p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923B 10	120	5/9,5	30	4+4	20	4500 - 8500	0,438
923B 11	120	5/9,5	35	4+4	20	4500 - 8500	0,427
923B 12	120	5/9,5	40	4+4	20	4500 - 8500	0,415
923B 13	140	5/9,5	30	4+4	25	5500 - 9500	0,606
923B 14	140	5/9,5	35	4+4	25	5500 - 9500	0,596
923B 15	140	5/9,5	40	4+4	25	5500 - 9500	0,583
923B 16	140	5/9,5	50	4+4	25	5500 - 9500	0,554
923B 17	160	5/9,5	30	8+4	35	5000 - 9000	0,801
923B 18	160	5/9,5	35	8+4	35	5000 - 9000	0,790
923B 19	160	5/9,5	40	8+4	35	5000 - 9000	0,778
923B 20	160	5/9,5	50	8+4	35	5000 - 9000	0,749
923B 21	200	5/9,5	30	8+4	45	4000 - 6000	1,267
923B 22	200	5/9,5	35	8+4	45	4000 - 6000	1,257
923B 23	200	5/9,5	40	8+4	45	4000 - 6000	1,245
923B 24	200	5/9,5	50	8+4	45	4000 - 6000	1,215

Cod.	Parti di ricambio Spare Parts	Dimensions mm
979 11	Inserto per incastri / Grooving insert	18 x 18 x 2,9
943 10	Rasante / Spur	14 x 14 x 2
GH 11,6 x 2,5 x 4	Ghiera / Nut	11,6 x 2,5 x 4
GH 9,35 x 1,7 x 4	Ghiera / Nut	9,35 x 1,7 x 4
VT M4 x 4,2 torx	Vite / Screw	M4 x 4,2 torx
CH T9 torx	Chiave / Allen key	T9 torx



Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923B 25	120	9,6	30	2	20	4500 - 8500	0,400
923B 26	120	9,6	35	2	20	4500 - 8500	0,390
923B 27	120	9,6	40	2	20	4500 - 8500	0,379
923B 28	140	9,6	30	2	25	5500 - 9500	0,554
923B 29	140	9,6	35	2	25	5500 - 9500	0,544
923B 30	140	9,6	40	2	25	5500 - 9500	0,533
923B 31	140	9,6	50	2	25	5500 - 9500	0,507
923B 32	160	9,6	30	2	35	5000 - 9000	0,732
923B 33	160	9,6	35	2	35	5000 - 9000	0,722
923B 34	160	9,6	40	2	35	5000 - 9000	0,711
923B 35	160	9,6	50	2	35	5000 - 9000	0,684
923B 36	200	9,6	30	2	45	4000 - 6000	1,159
923B 37	200	9,6	35	2	45	4000 - 6000	1,149
923B 38	200	9,6	40	2	45	4000 - 6000	1,138
923B 39	200	9,6	50	2	45	4000 - 6000	1,111

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 11	Coltello / Knife	9,6 x 12 x 1,5
CU 9	Cuneo / Wedge	9
VT M6 x 16	Vite / Screw	M6 x 16
CH T3	Chiave / Allen key	T3

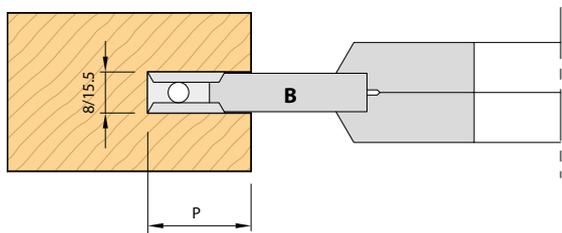
adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

cabezal para ensamblajes ajustables con anillos

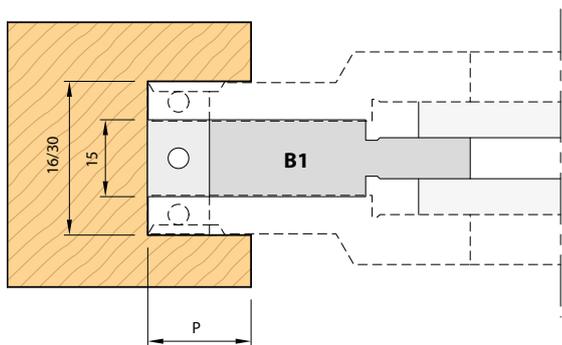
p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923C 10	140	8/15,5	30	4+4	25	5500 - 9500	0,970
923C 11	140	8/15,5	35	4+4	25	5500 - 9500	0,953
923C 12	140	8/15,5	40	4+4	25	5500 - 9500	0,933
923C 13	140	8/15,5	50	4+4	25	5500 - 9500	0,887
923C 14	160	8/15,5	30	4+4	35	5000 - 9000	1,281
923C 15	160	8/15,5	35	4+4	35	5000 - 9000	1,264
923C 16	160	8/15,5	40	4+4	35	5000 - 9000	1,245
923C 17	160	8/15,5	50	4+4	35	5000 - 9000	1,198
923C 18	200	8/15,5	30	4+4	50	4300 - 7400	2,028
923C 19	200	8/15,5	35	4+4	50	4300 - 7400	2,011
923C 20	200	8/15,5	40	4+4	50	4300 - 7400	1,991
923C 21	200	8/15,5	50	4+4	50	4300 - 7400	1,945
923C 22	250	8/15,5	30	4+4	55	4000 - 6000	3,194
923C 23	250	8/15,5	35	4+4	55	4000 - 6000	3,177
923C 24	250	8/15,5	40	4+4	55	4000 - 6000	3,158
923C 25	250	8/15,5	50	4+4	55	4000 - 6000	3,111

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 10	Coltello / Knife	7,6 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 7	Cuneo / Wedge	7
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M6 x 16	Vite / Screw	M6 x 16
CHT3	Chiave / Allen key	T3
CH T15 torx	Chiave / Allen key	T15 torx



Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923C 26	140	15	30	2	25	5500 - 9500	0,866
923C 27	140	15	35	2	25	5500 - 9500	0,851
923C 28	140	15	40	2	25	5500 - 9500	0,833
923C 29	140	15	50	2	25	5500 - 9500	0,792
923C 30	160	15	30	2	35	5000 - 9000	1,144
923C 31	160	15	35	2	35	5000 - 9000	1,129
923C 32	160	15	40	2	35	5000 - 9000	1,111
923C 33	160	15	50	2	35	5000 - 9000	1,070
923C 34	200	15	30	2	50	4300 - 7400	1,810
923C 35	200	15	35	2	50	4300 - 7400	1,795
923C 36	200	15	40	2	50	4300 - 7400	1,778
923C 37	200	15	50	2	50	4300 - 7400	1,736
923C 38	250	15	30	2	55	4000 - 6000	2,852
923C 39	250	15	35	2	55	4000 - 6000	2,837
923C 40	250	15	40	2	55	4000 - 6000	2,820
923C 41	250	15	50	2	55	4000 - 6000	2,778

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 14	Coltello / Knife	15 x 12 x 1,5
CU 14	Cuneo / Wedge	14
VT M8 x 16	Vite / Screw	M8 x 16
CH T4	Chiave / Allen key	T4

Art. 923D

testa per incastrati regolabili con anelli

adjustable cutterhead with rings

Verstellbar MesserKopf mit Ringe

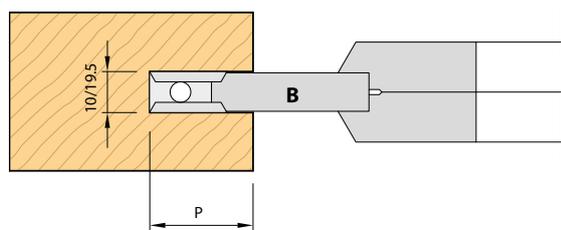
cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

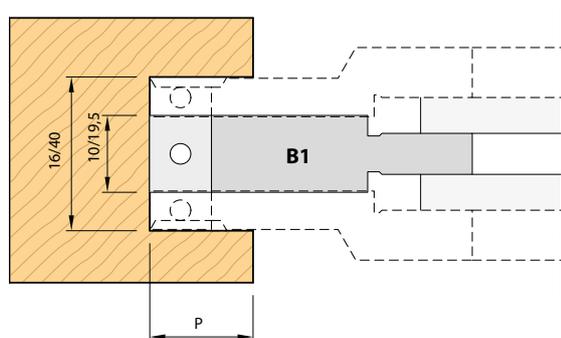
фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923D 10	140	10/19,5	30	4+4	25	5500 - 9500	1,212
923D 11	140	10/19,5	35	4+4	25	5500 - 9500	1,191
923D 12	140	10/19,5	40	4+4	25	5500 - 9500	1,167
923D 13	140	10/19,5	50	4+4	25	5500 - 9500	1,108
923D 14	160	10/19,5	30	4+4	35	5000 - 9000	1,601
923D 15	160	10/19,5	35	4+4	35	5000 - 9000	1,580
923D 16	160	10/19,5	40	4+4	35	5000 - 9000	1,556
923D 17	160	10/19,5	50	4+4	35	5000 - 9000	1,497
923D 18	200	10/19,5	30	4+4	55	4000 - 6000	2,534
923D 19	200	10/19,5	35	4+4	55	4000 - 6000	2,513
923D 20	200	10/19,5	40	4+4	55	4000 - 6000	2,489
923D 21	200	10/19,5	50	4+4	55	4000 - 6000	2,431
923D 22	250	10/19,5	30	4+4	55	3100 - 5300	3,993
923D 23	250	10/19,5	35	4+4	55	3100 - 5300	3,972
923D 24	250	10/19,5	40	4+4	55	3100 - 5300	3,947
923D 25	250	10/19,5	50	4+4	55	3100 - 5300	3,889



Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 11	Coltello / Knife	9,6 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 9	Cuneo / Wedge	9
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M6 x 16	Vite / Screw	M6 x 16
CHT3	Chiave / Allen key	T3
CHT15 torx	Chiave / Allen key	T15 torx



Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923D 26	140	20	30	2	25	5500 - 9500	1,154
923D 27	140	20	35	2	25	5500 - 9500	1,134
923D 28	140	20	40	2	25	5500 - 9500	1,111
923D 29	140	20	50	2	25	5500 - 9500	1,056
923D 30	160	20	30	2	35	5000 - 9000	1,525
923D 31	160	20	35	2	35	5000 - 9000	1,505
923D 32	160	20	40	2	35	5000 - 9000	1,482
923D 33	160	20	50	2	35	5000 - 9000	1,426
923D 34	200	20	30	2	55	4000 - 6000	2,414
923D 35	200	20	35	2	55	4000 - 6000	2,394
923D 36	200	20	40	2	55	4000 - 6000	2,371
923D 37	200	20	50	2	55	4000 - 6000	2,315
923D 38	250	20	30	2	55	3100 - 5300	3,803
923D 39	250	20	35	2	55	3100 - 5300	3,783
923D 40	250	20	40	2	55	3100 - 5300	3,759
923D 41	250	20	50	2	55	3100 - 5300	3,704

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 15	Coltello / Knife	20 x 12 x 1,5
CU 19	Cuneo / Wedge	19
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4

Art. 923E

testa per incastrati regolabili con anelli

adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

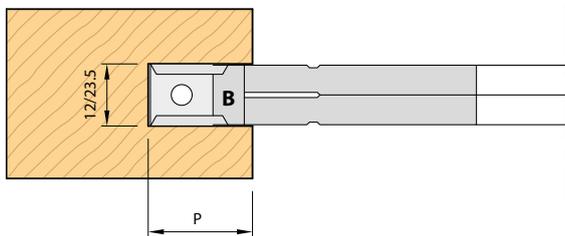
cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

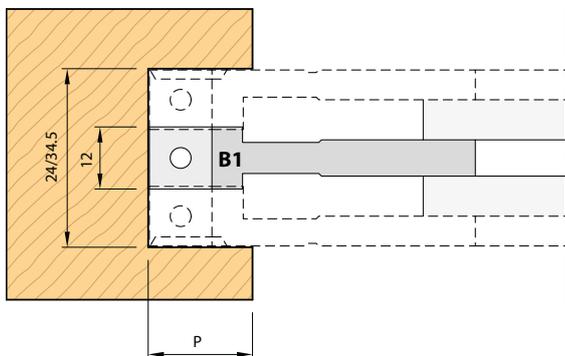
фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923E 10	140	12,3/24	30	4+4	40	5500 - 9500	1,349
923E 11	140	12,3/24	35	4+4	40	5500 - 9500	1,325
923E 12	140	12,3/24	40	4+4	40	5500 - 9500	1,298
923E 13	140	12,3/24	50	4+4	40	5500 - 9500	1,233
923E 14	160	12,3/24	30	4+4	50	5000 - 9000	1,782
923E 15	160	12,3/24	35	4+4	50	5000 - 9000	1,758
923E 16	160	12,3/24	40	4+4	50	5000 - 9000	1,731
923E 17	160	12,3/24	50	4+4	50	5000 - 9000	1,666
923E 18	200	12,3/24	30	4+4	50	4000 - 6000	2,820
923E 19	200	12,3/24	35	4+4	50	4000 - 6000	2,797
923E 20	200	12,3/24	40	4+4	50	4000 - 6000	2,770
923E 21	200	12,3/24	50	4+4	50	4000 - 6000	2,705
923E 22	250	12,3/24	30	4+4	60	3100 - 6300	4,443
923E 23	250	12,3/24	35	4+4	60	3100 - 6300	4,420
923E 24	250	12,3/24	40	4+4	60	3100 - 6300	4,393
923E 25	250	12,3/24	50	4+4	60	3100 - 6300	4,328



Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 13	Coltello / Knife	12 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 11	Cuneo / Wedge	11
VT M8 x 16	Vite / Screw	M8 x 16
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx



Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923E 26	140	12	30	2	40	5500 - 9500	0,693
923E 27	140	12	35	2	40	5500 - 9500	0,681
923E 28	140	12	40	2	40	5500 - 9500	0,667
923E 29	140	12	50	2	40	5500 - 9500	0,633
923E 30	160	12	30	2	50	5000 - 9000	0,915
923E 31	160	12	35	2	50	5000 - 9000	0,903
923E 32	160	12	40	2	50	5000 - 9000	0,889
923E 33	160	12	50	2	50	5000 - 9000	0,856
923E 34	200	12	30	2	50	4000 - 6000	1,448
923E 35	200	12	35	2	50	4000 - 6000	1,436
923E 36	200	12	40	2	50	4000 - 6000	1,422
923E 37	200	12	50	2	50	4000 - 6000	1,389
923E 38	250	12	30	2	60	3100 - 6300	2,282
923E 39	250	12	35	2	60	3100 - 6300	2,270
923E 40	250	12	40	2	60	3100 - 6300	2,256
923E 41	250	12	50	2	60	3100 - 6300	2,222

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 13	Coltello / Knife	12x12 x 1,5
CU 11	Cuneo / Wedge	11
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4

Art. 923F

testa per incastri regolabili con anelli

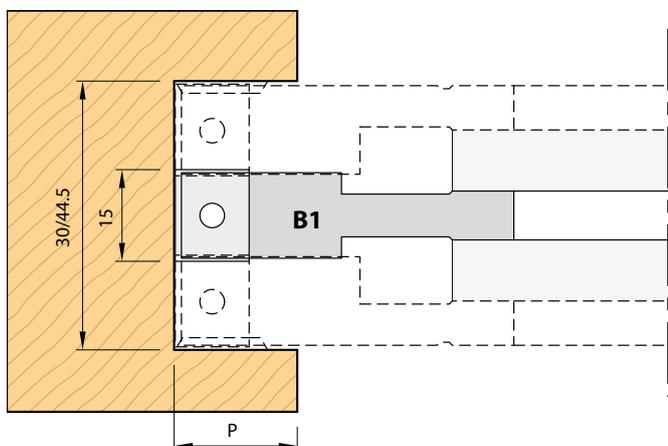
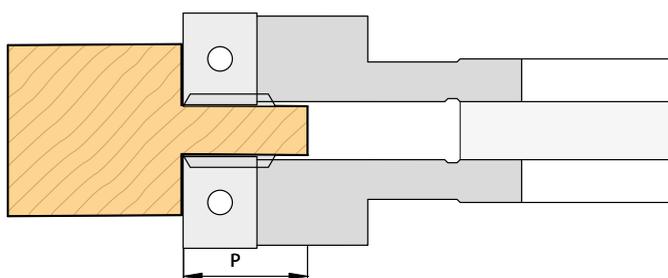
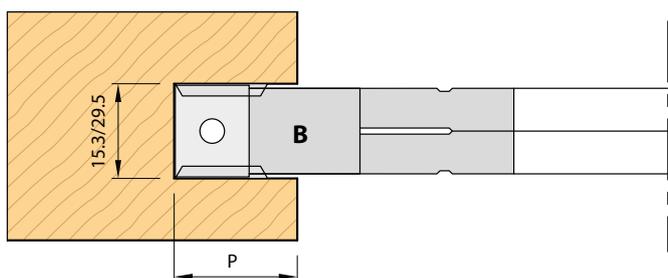
adjustable cutterhead with rings

Verstellbar MesserKopf mit Ringe

cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923F 10	140	15/29,5	30	4+4	40	5500 - 9500	1,645
923F 11	140	15/29,5	35	4+4	40	5500 - 9500	1,616
923F 12	140	15/29,5	40	4+4	40	5500 - 9500	1,583
923F 13	140	15/29,5	50	4+4	40	5500 - 9500	1,504
923F 14	160	15/29,5	30	4+4	50	5000 - 9000	2,173
923F 15	160	15/29,5	35	4+4	50	5000 - 9000	2,144
923F 16	160	15/29,5	40	4+4	50	5000 - 9000	2,111
923F 17	160	15/29,5	50	4+4	50	5000 - 9000	2,032
923F 18	200	15/29,5	30	4+4	70	4000 - 6000	3,440
923F 19	200	15/29,5	35	4+4	70	4000 - 6000	3,411
923F 20	200	15/29,5	40	4+4	70	4000 - 6000	3,378
923F 21	200	15/29,5	50	4+4	70	4000 - 6000	3,299
923F 22	250	15/29,5	30	4+4	95	3100 - 5300	5,419
923F 23	250	15/29,5	35	4+4	95	3100 - 5300	5,390
923F 24	250	15/29,5	40	4+4	95	3100 - 5300	5,357
923F 25	250	15/29,5	50	4+4	95	3100 - 5300	5,278
923F 26	300	15/29,5	30	8+8	120	2700 - 4600	7,838
923F 27	300	15/29,5	35	8+8	120	2700 - 4600	7,809
923F 28	300	15/29,5	40	8+8	120	2700 - 4600	7,776
923F 29	300	15/29,5	50	8+8	120	2700 - 4600	7,697

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 14	Coltello / Knife	15x12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 14	Cuneo / Wedge	14
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 16	Vite / Screw	M8 x 16
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx

Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923F 30	140	15	30	2	40	5500 - 9500	0,866
923F 31	140	15	35	2	40	5500 - 9500	0,851
923F 32	140	15	40	2	40	5500 - 9500	0,833
923F 33	140	15	50	2	40	5500 - 9500	0,792
923F 34	160	15	30	2	50	5000 - 9000	1,144
923F 35	160	15	35	2	50	5000 - 9000	1,129
923F 36	160	15	40	2	50	5000 - 9000	1,111
923F 37	160	15	50	2	50	5000 - 9000	1,070
923F 38	200	15	30	2	70	4000 - 6000	1,810
923F 39	200	15	35	2	70	4000 - 6000	1,795
923F 40	200	15	40	2	70	4000 - 6000	1,778
923F 41	200	15	50	2	70	4000 - 6000	1,736
923F 42	250	15	30	2	95	3100 - 5300	2,852
923F 43	250	15	35	2	95	3100 - 5300	2,837
923F 44	250	15	40	2	95	3100 - 5300	2,820
923F 45	250	15	50	2	95	3100 - 5300	2,778
923F 46	300	15	30	2	120	2700 - 4600	4,125
923F 47	300	15	35	2	120	2700 - 4600	4,110
923F 48	300	15	40	2	120	2700 - 4600	4,093
923F 49	300	15	50	2	120	2700 - 4600	4,051

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 14	Coltello / Knife	15x12 x 1,5
CU 14	Cuneo / Wedge	14
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4



adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

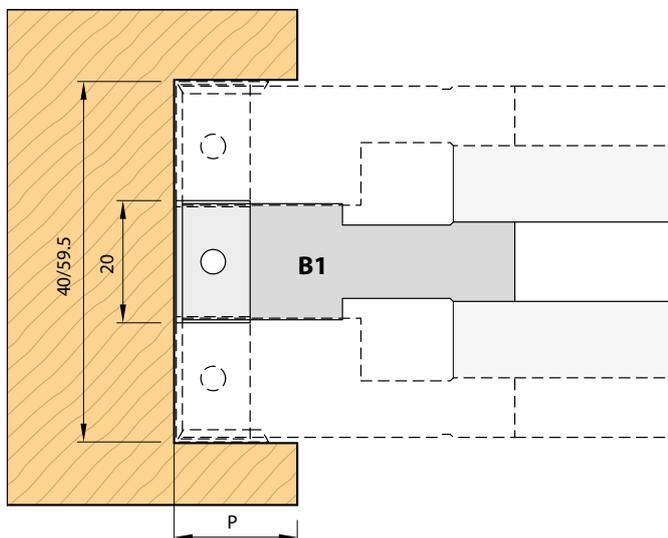
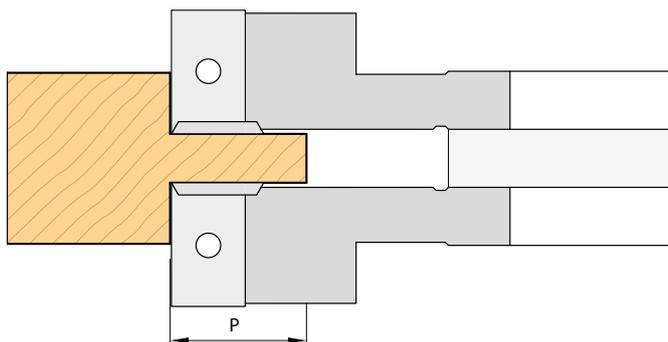
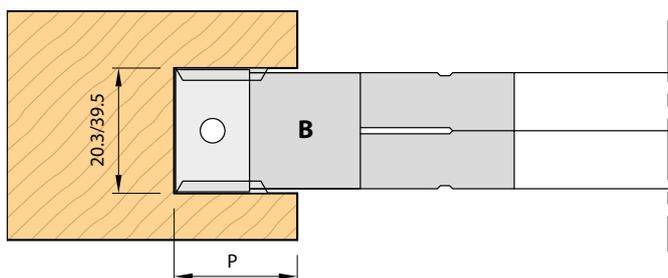
cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



AXIAL



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923G 10	140	20/39,5	30	4+4	40	5500 - 9500	2,193
923G 11	140	20/39,5	35	4+4	40	5500 - 9500	2,155
923G 12	140	20/39,5	40	4+4	40	5500 - 9500	2,111
923G 13	140	20/39,5	50	4+4	40	5500 - 9500	2,006
923G 14	160	20/39,5	30	4+4	50	5000 - 9000	2,897
923G 15	160	20/39,5	35	4+4	50	5000 - 9000	2,859
923G 16	160	20/39,5	40	4+4	50	5000 - 9000	2,815
923G 17	160	20/39,5	50	4+4	50	5000 - 9000	2,709
923G 18	200	20/39,5	30	4+4	70	4000 - 6000	4,586
923G 19	200	20/39,5	35	4+4	70	4000 - 6000	4,548
923G 20	200	20/39,5	40	4+4	70	4000 - 6000	4,504
923G 21	200	20/39,5	50	4+4	70	4000 - 6000	4,398
923G 22	250	20/39,5	30	4+4	95	3100 - 5300	7,225
923G 23	250	20/39,5	35	4+4	95	3100 - 5300	7,187
923G 24	250	20/39,5	40	4+4	95	3100 - 5300	7,143
923G 25	250	20/39,5	50	4+4	95	3100 - 5300	7,037
923G 26	300	20/39,5	30	8+8	120	2700 - 4600	10,451
923G 27	300	20/39,5	35	8+8	120	2700 - 4600	10,413
923G 28	300	20/39,5	40	8+8	120	2700 - 4600	10,369
923G 29	300	20/39,5	50	8+8	120	2700 - 4600	10,263

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 15	Coltello / Knife	20 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 19	Cuneo / Wedge	19
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 16	Vite / Screw	M8 x 16
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx

Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923G 30	140	20	30	2	40	5500 - 9500	1,154
923G 31	140	20	35	2	40	5500 - 9500	1,134
923G 32	140	20	40	2	40	5500 - 9500	1,111
923G 33	140	20	50	2	40	5500 - 9500	1,056
923G 34	160	20	30	2	50	5000 - 9000	1,525
923G 35	160	20	35	2	50	5000 - 9000	1,505
923G 36	160	20	40	2	50	5000 - 9000	1,482
923G 37	160	20	50	2	50	5000 - 9000	1,426
923G 38	200	20	30	2	70	4000 - 6000	2,414
923G 39	200	20	35	2	70	4000 - 6000	2,394
923G 40	200	20	40	2	70	4000 - 6000	2,371
923G 41	200	20	50	2	70	4000 - 6000	2,315
923G 42	250	20	30	2	95	3100 - 5300	3,803
923G 43	250	20	35	2	95	3100 - 5300	3,783
923G 44	250	20	40	2	95	3100 - 5300	3,759
923G 45	250	20	50	2	95	3100 - 5300	3,704
923G 46	300	20	30	2	120	2700 - 4600	5,500
923G 47	300	20	35	2	120	2700 - 4600	5,480
923G 48	300	20	40	2	120	2700 - 4600	5,457
923G 49	300	20	50	2	120	2700 - 4600	5,402

Cod.	Parti di ricambio Spare Partes	Dimensions mm
907 15	Coltello / Knife	20x12 x 1,5
CU 19	Cuneo / Wedge	19
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4

Art. 923H

testa per incastri regolabili con anelli

adjustable cutterhead with rings

Verstellbar MesserKopf mit Ringe

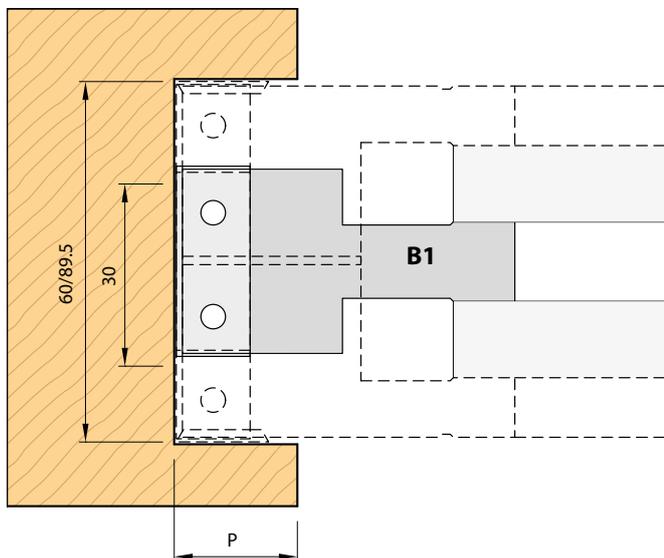
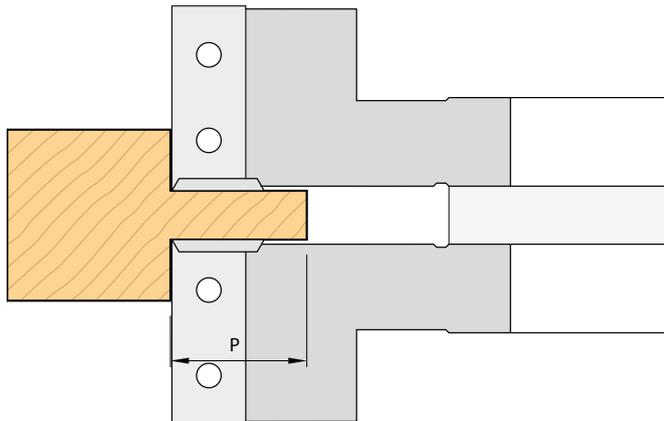
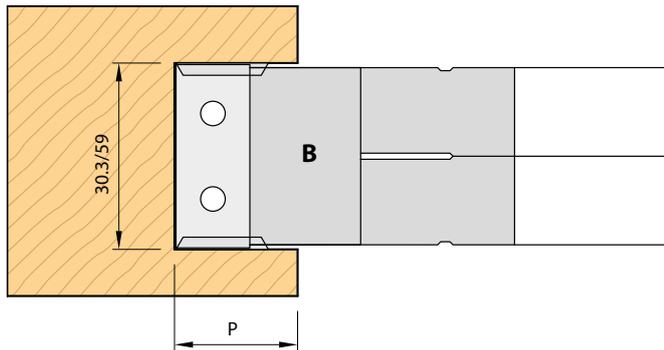
cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



AXIAL



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923H 10	140	30/59,5	30	4+4	40	5500 - 9500	3,290
923H 11	140	30/59,5	35	4+4	40	5500 - 9500	3,233
923H 12	140	30/59,5	40	4+4	40	5500 - 9500	3,167
923H 13	140	30/59,5	50	4+4	40	5500 - 9500	3,009
923H 14	160	30/59,5	30	4+4	50	5000 - 9000	4,346
923H 15	160	30/59,5	35	4+4	50	5000 - 9000	4,288
923H 16	160	30/59,5	40	4+4	50	5000 - 9000	4,222
923H 17	160	30/59,5	50	4+4	50	5000 - 9000	4,064
923H 18	200	30/59,5	30	4+4	70	4000 - 6000	6,879
923H 19	200	30/59,5	35	4+4	70	4000 - 6000	6,822
923H 20	200	30/59,5	40	4+4	70	4000 - 6000	6,756
923H 21	200	30/59,5	50	4+4	70	4000 - 6000	6,598
923H 22	250	30/59,5	30	4+4	95	3100 - 5300	10,838
923H 23	250	30/59,5	35	4+4	95	3100 - 5300	10,781
923H 24	250	30/59,5	40	4+4	95	3100 - 5300	10,715
923H 25	250	30/59,5	50	4+4	95	3100 - 5300	10,556
923H 26	250	30/59,5	30	8+8	95	3100 - 5300	10,838
923H 27	250	30/59,5	35	8+8	95	3100 - 5300	10,781
923H 28	250	30/59,5	40	8+8	95	3100 - 5300	10,715
923H 29	250	30/59,5	50	8+8	95	3100 - 5300	10,556

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 18	Coltello / Knife	30 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 29	Cuneo / Wedge	29
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 16	Vite / Screw	M8 x 16
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx

Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
923H 30	140	30	30	2	40	5500 - 9500	1,732
923H 31	140	30	35	2	40	5500 - 9500	1,701
923H 32	140	30	40	2	40	5500 - 9500	1,667
923H 33	140	30	50	2	40	5500 - 9500	1,583
923H 34	160	30	30	2	50	5000 - 9000	2,287
923H 35	160	30	35	2	50	5000 - 9000	2,257
923H 36	160	30	40	2	50	5000 - 9000	2,222
923H 37	160	30	50	2	50	5000 - 9000	2,139
923H 38	200	30	30	2	70	4000 - 6000	3,621
923H 39	200	30	35	2	70	4000 - 6000	3,591
923H 40	200	30	40	2	70	4000 - 6000	3,556
923H 41	200	30	50	2	70	4000 - 6000	3,472
923H 42	250	30	30	2	95	3100 - 5300	5,704
923H 43	250	30	35	2	95	3100 - 5300	5,674
923H 44	250	30	40	2	95	3100 - 5300	5,639
923H 45	250	30	50	2	95	3100 - 5300	5,556

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 18	Coltello / Knife	30 x 12 x 1,5
CU 29	Cuneo / Wedge	29
VT M8 x 16	Vite / Screw	M8 x 16
CHT4	Chiave / Allen key	T4

adjustable cutterhead with rings

Verstellbar Messerkopf mit Ringe

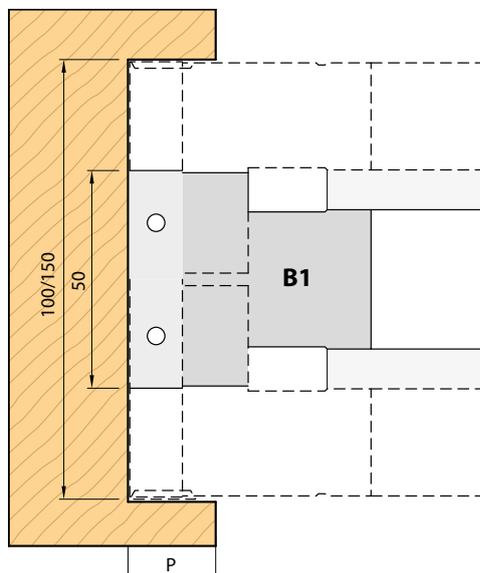
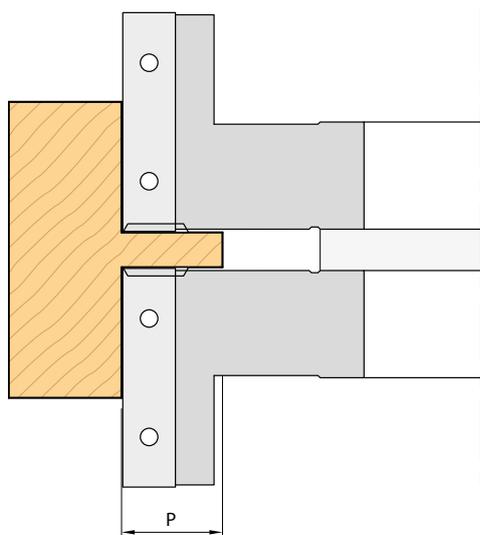
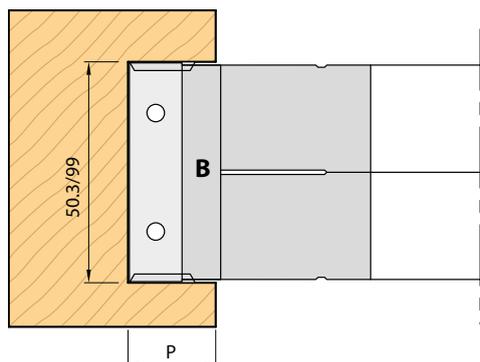
cabezal para ensamblajes ajustables con anillos

p.o. pour rainures extensibles avec bagues

фреза регулируемых шпунтовых соединений с кольцами



AXIAL



Cod.	ø D mm	B mm	ø d mm	Z	P mm	rpm min/max	weight kg.
9231 10	140	50/99,5	30	4+4	40	5500 - 9500	5,483
9231 11	140	50/99,5	35	4+4	40	5500 - 9500	5,388
9231 12	140	50/99,5	40	4+4	40	5500 - 9500	5,278
9231 13	140	50/99,5	50	4+4	40	5500 - 9500	5,014
9231 14	160	50/99,5	30	4+4	50	5000 - 9000	7,243
9231 15	160	50/99,5	35	4+4	50	5000 - 9000	7,147
9231 16	160	50/99,5	40	4+4	50	5000 - 9000	7,037
9231 17	160	50/99,5	50	4+4	50	5000 - 9000	6,774
9231 18	200	50/99,5	35	4+4	70	4000 - 6000	11,370
9231 19	200	50/99,5	40	4+4	70	4000 - 6000	11,260
9231 20	200	50/99,5	50	4+4	70	4000 - 6000	10,996

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 20	 Coltello / Knife	50 x 12 x 1,5
943 10	 Rasante / Spur	14 x 14 x 2
CU 49	 Cuneo / Wedge	49
VT M5 x 7 torx	 Vite / Screw	M5 x 7 torx
VT M8 x 16	 Vite / Screw	M8 x 16
CH T3	 Chiave / Allen key	T3
CH T4	 Chiave / Allen key	T4
CH T15 torx	 Chiave / Allen key	T15 torx

Cod.	ø D mm	B1 mm	ø d mm	Z	P mm	rpm min/max	weight kg.
9231 21	140	50	30	2	40	5500 - 9500	2,886
9231 22	140	50	35	2	40	5500 - 9500	2,836
9231 23	140	50	40	2	40	5500 - 9500	2,778
9231 24	140	50	50	2	40	5500 - 9500	2,639
9231 25	160	50	30	2	50	5000 - 9000	3,812
9231 26	160	50	35	2	50	5000 - 9000	3,762
9231 27	160	50	40	2	50	5000 - 9000	3,704
9231 28	160	50	50	2	50	5000 - 9000	3,565
9231 29	200	50	35	2	70	4000 - 6000	5,984
9231 30	200	50	40	2	70	4000 - 6000	5,926
9231 31	200	50	50	2	70	4000 - 6000	5,787

Cod.	Parti di ricambio Spare Parts	Dimensions mm
907 20	 Coltello / Knife	50 x 12 x 1,5
CU 49	 Cuneo / Wedge	49
VT M8 x 16	 Vite / Screw	M8 x 16
CH T4	 Chiave / Allen key	T4

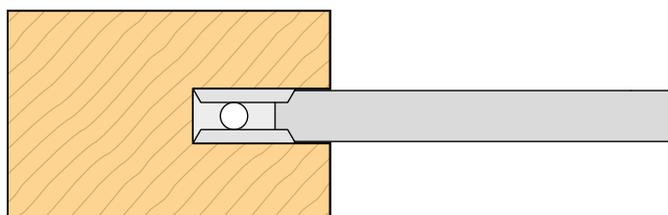
grooving cutterhead with spurs

NutmesserKopf mit Vorschneiden

cabezal para ensambles con rasantes

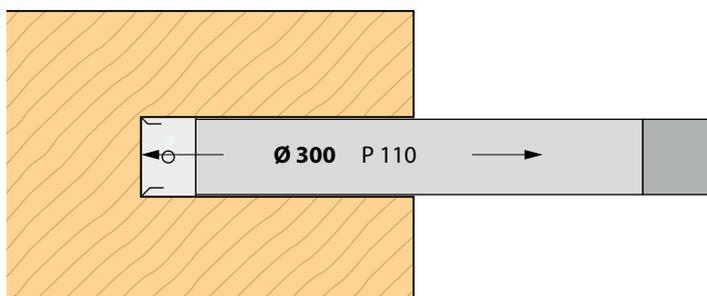
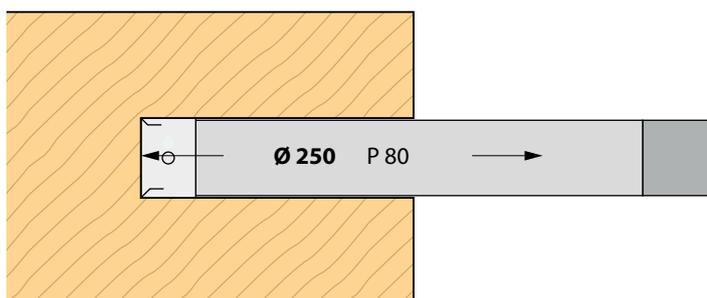
p.o. à rainer avec araseurs

фреза для шпунтовых соединений с режущими пластинами



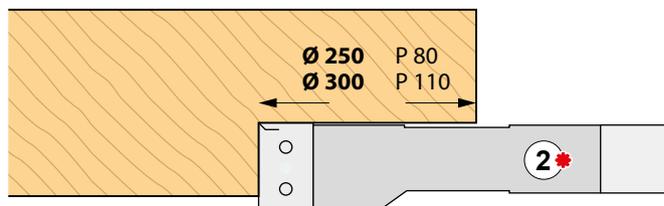
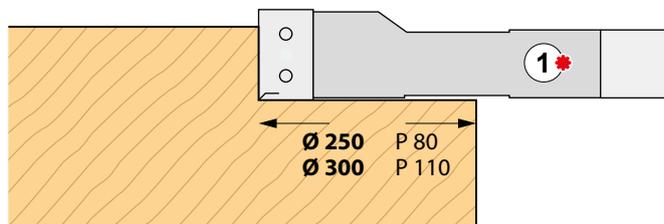
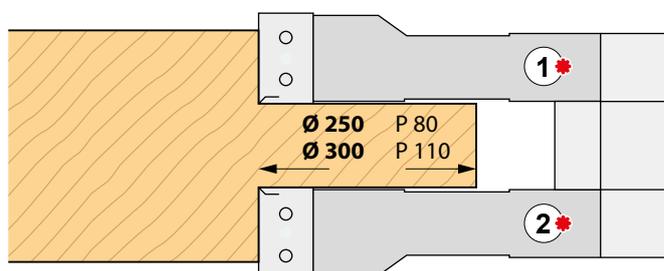
Cod.		Parti di ricambio Spare Partes	B mm	Dimensions mm
979 10		Coltello / Knife	4	18 x 18 x 1,9
979 11		Coltello / Knife	5	18 x 18 x 2,9
979 12		Coltello / Knife	6	18 x 18 x 3,9
979 12		Coltello / Knife	7	18 x 18 x 3,9
907 10		Coltello / Knife	8	7,5 x 12 x 1,5
943 10		Rasante / Spur	4-5-6-7-8	14 x 14 x 2
CU 7		Cuneo / Wedge	8	7
GH 9,35 x 1,7x 4		Ghiera / Nut	4-5	9,35 x 1,7 x 4
GH 11,6 x 1,5 x 4		Ghiera / Nut	4	11,6 x 1,5 x 4
GH 11,6 x 2,5 x 4		Ghiera / Nut	5-6-7	11,6 x 2,5 x 4
VT M5 x 7 torx		Vite / Screw	8	M5 x 7 torx
VT M6 x 16		Vite / Screw	8	M6 x 16
VT M4 x 3,2 torx		Vite / Screw	4	M4 x 3,2 torx
VT M4 x 4,2 torx		Vite / Screw	5	M4 x 4,2 torx
VT M4 x 5,2 torx		Vite / Screw	6	M4 x 5,2 torx
VT M4 x 6 torx		Vite / Screw	7	M4 x 6 torx
CH T9 torx		Chiave / Allen key		T9 torx
CH T3		Chiave / Allen key		T3
CH T15 torx		Chiave / Allen key		T15 torx

Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
983 10	100	4	35	4+4	5700 - 9000	0,206
983 11	100	4	40	4+4	5700 - 9000	0,197
983 12	100	4	50	4+4	5700 - 9000	0,176
983 13	100	5	35	4+4	5700 - 9000	0,257
983 14	100	5	40	4+4	5700 - 9000	0,246
983 15	100	5	50	4+4	5700 - 9000	0,220
983 16	100	6	35	4+4	5700 - 9000	0,309
983 17	100	6	40	4+4	5700 - 9000	0,296
983 18	100	6	50	4+4	5700 - 9000	0,264
983 19	100	7	35	4+4	5700 - 9000	0,360
983 20	100	7	40	4+4	5700 - 9000	0,345
983 21	100	7	50	4+4	5700 - 9000	0,308
983 22	100	8	35	4+4	5700 - 9000	0,412
983 23	100	8	40	4+4	5700 - 9000	0,394
983 24	100	8	50	4+4	5700 - 9000	0,352
983 25	120	4	35	4+4	6500 - 8500	0,309
983 26	120	4	40	4+4	6500 - 8500	0,300
983 27	120	4	50	4+4	6500 - 8500	0,279
983 28	120	5	35	4+4	6500 - 8500	0,386
983 29	120	5	40	4+4	6500 - 8500	0,375
983 30	120	5	50	4+4	6500 - 8500	0,349
983 31	120	6	35	4+4	6500 - 8500	0,464
983 32	120	6	40	4+4	6500 - 8500	0,450
983 33	120	6	50	4+4	6500 - 8500	0,419
983 34	120	7	35	4+4	6500 - 8500	0,541
983 35	120	7	40	4+4	6500 - 8500	0,525
983 36	120	7	50	4+4	6500 - 8500	0,489
983 37	120	8	35	4+4	6500 - 8500	0,618
983 38	120	8	40	4+4	6500 - 8500	0,601
983 39	120	8	50	4+4	6500 - 8500	0,558
983 40	150	4	35	4+4	5000 - 9000	0,499
983 41	150	4	40	4+4	5000 - 9000	0,490
983 42	150	4	50	4+4	5000 - 9000	0,469
983 43	150	5	35	4+4	5000 - 9000	0,624
983 44	150	5	40	4+4	5000 - 9000	0,613
983 45	150	5	50	4+4	5000 - 9000	0,586
983 46	150	6	35	4+4	5000 - 9000	0,749
983 47	150	6	40	4+4	5000 - 9000	0,735
983 48	150	6	50	4+4	5000 - 9000	0,704
983 49	150	7	35	4+4	5000 - 9000	0,873
983 50	150	7	40	4+4	5000 - 9000	0,858
983 51	150	7	50	4+4	5000 - 9000	0,821
983 52	150	8	35	4+4	5000 - 9000	0,998
983 53	150	8	40	4+4	5000 - 9000	0,981
983 54	150	8	50	4+4	5000 - 9000	0,938
983 55	180	4	35	4+4	4800 - 7000	0,731
983 56	180	4	40	4+4	4800 - 7000	0,723
983 57	180	4	50	4+4	4800 - 7000	0,701
983 58	180	5	35	4+4	4800 - 7000	0,914
983 59	180	5	40	4+4	4800 - 7000	0,903
983 60	180	5	50	4+4	4800 - 7000	0,877
983 61	180	6	35	4+4	4800 - 7000	1,097
983 62	180	6	40	4+4	4800 - 7000	1,084
983 63	180	6	50	4+4	4800 - 7000	1,052
983 64	180	7	35	4+4	4800 - 7000	1,280
983 65	180	7	40	4+4	4800 - 7000	1,264
983 66	180	7	50	4+4	4800 - 7000	1,227
983 67	180	8	35	4+4	4800 - 7000	1,463
983 68	180	8	40	4+4	4800 - 7000	1,445
983 69	180	8	50	4+4	4800 - 7000	1,403



Cod.	ø D mm	B mm	ø d mm	P mm	Z	rpm min/max	weight kg.
494 10	250	8	30	80	4 + 4	2700 - 4600	3,012
494 11	250	8	35	80	4 + 4	2700 - 4600	2,996
494 12	250	8	40	80	4 + 4	2700 - 4600	2,978
494 13	250	8	50	80	4 + 4	2700 - 4600	2,934
494 14	250	10	30	80	4 + 4	2700 - 4600	3,765
494 15	250	10	35	80	4 + 4	2700 - 4600	3,745
494 16	250	10	40	80	4 + 4	2700 - 4600	3,722
494 17	250	10	50	80	4 + 4	2700 - 4600	3,667
494 18	250	12	30	80	4 + 4	2700 - 4600	4,518
494 19	250	12	35	80	4 + 4	2700 - 4600	4,494
494 20	250	12	40	80	4 + 4	2700 - 4600	4,466
494 21	250	12	50	80	4 + 4	2700 - 4600	4,400
494 22	250	15	30	80	4 + 4	2700 - 4600	5,647
494 23	250	15	35	80	4 + 4	2700 - 4600	5,617
494 24	250	15	40	80	4 + 4	2700 - 4600	5,583
494 25	250	15	50	80	4 + 4	2700 - 4600	5,500
494 26	250	20	30	80	4 + 4	2700 - 4600	7,529
494 27	250	20	35	80	4 + 4	2700 - 4600	7,490
494 28	250	20	40	80	4 + 4	2700 - 4600	7,444
494 29	250	20	50	80	4 + 4	2700 - 4600	7,334
494 30	300	8	30	110	4 + 4	2700 - 4600	4,356
494 31	300	8	35	110	4 + 4	2700 - 4600	4,340
494 32	300	8	40	110	4 + 4	2700 - 4600	4,322
494 33	300	8	50	110	4 + 4	2700 - 4600	4,278
494 34	300	10	30	110	4 + 4	2700 - 4600	5,445
494 35	300	10	35	110	4 + 4	2700 - 4600	5,425
494 36	300	10	40	110	4 + 4	2700 - 4600	5,403
494 37	300	10	50	110	4 + 4	2700 - 4600	5,348
494 38	300	12	30	110	4 + 4	2700 - 4600	6,534
494 39	300	12	35	110	4 + 4	2700 - 4600	6,511
494 40	300	12	40	110	4 + 4	2700 - 4600	6,483
494 41	300	12	50	110	4 + 4	2700 - 4600	6,417
494 42	300	15	30	110	4 + 4	2700 - 4600	8,168
494 43	300	15	35	110	4 + 4	2700 - 4600	8,138
494 44	300	15	40	110	4 + 4	2700 - 4600	8,104
494 45	300	15	50	110	4 + 4	2700 - 4600	8,021
494 46	300	20	30	110	4 + 4	2700 - 4600	10,891
494 47	300	20	35	110	4 + 4	2700 - 4600	10,851
494 48	300	20	40	110	4 + 4	2700 - 4600	10,805
494 49	300	20	50	110	4 + 4	2700 - 4600	10,695

Cod.		Parti di ricambio Spare Parts	Dimensions mm
907 10		Coltello / Knife	7,6 x 12 x 1,5
907 11		Coltello / Knife	9,6 x 12 x 1,5
907 12		Coltello / Knife	11,6 x 12 x 1,5
907 14		Coltello / Knife	15 x 12 x 1,5
907 15		Coltello / Knife	20 x 12 x 1,5
943 10		Rasante / Spur	14 x 14 x 2
CU 7		Cuneo / Wedge	7
CU 9		Cuneo / Wedge	9
CU 11		Cuneo / Wedge	11
CU 14		Cuneo / Wedge	14
CU 19		Cuneo / Wedge	19
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M6 x 16		Vite / Screw	M6 x 16
VT M8 x 16		Vite / Screw	M8 x 16
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4
CHT15 torx		Chiave / Allen key	T15 torx



Cod.	•	ø D mm	B mm	ø d mm	P mm	Z	rpm min/max	weight kg.
495 10	1	250	20	30	80	3 + 3	2700 - 4600	7,529
495 11	1	250	20	35	80	3 + 3	2700 - 4600	7,490
495 12	1	250	20	40	80	3 + 3	2700 - 4600	7,444
495 13	1	250	20	50	80	3 + 3	2700 - 4600	7,334
495 14	1	250	30	30	80	3 + 3	2700 - 4600	11,294
495 15	1	250	30	35	80	3 + 3	2700 - 4600	11,234
495 16	1	250	30	40	80	3 + 3	2700 - 4600	11,166
495 17	1	250	30	50	80	3 + 3	2700 - 4600	11,001
495 22	1	300	20	30	110	3 + 3	2700 - 4600	10,891
495 23	1	300	20	35	110	3 + 3	2700 - 4600	10,851
495 24	1	300	20	40	110	3 + 3	2700 - 4600	10,805
495 25	1	300	20	50	110	3 + 3	2700 - 4600	10,695
495 26	1	300	30	30	110	3 + 3	2700 - 4600	16,336
495 27	1	300	30	35	110	3 + 3	2700 - 4600	16,276
495 28	1	300	30	40	110	3 + 3	2700 - 4600	16,208
495 29	1	300	30	50	110	3 + 3	2700 - 4600	16,043
495 34	2	250	20	30	80	3 + 3	2700 - 4600	7,529
495 35	2	250	20	35	80	3 + 3	2700 - 4600	7,490
495 36	2	250	20	40	80	3 + 3	2700 - 4600	7,444
495 37	2	250	20	50	80	3 + 3	2700 - 4600	7,334
495 38	2	250	30	30	80	3 + 3	2700 - 4600	11,294
495 39	2	250	30	35	80	3 + 3	2700 - 4600	11,234
495 40	2	250	30	40	80	3 + 3	2700 - 4600	11,166
495 41	2	250	30	50	80	3 + 3	2700 - 4600	11,001
495 46	2	300	20	30	110	3 + 3	2700 - 4600	10,891
495 47	2	300	20	35	110	3 + 3	2700 - 4600	10,851
495 48	2	300	20	40	110	3 + 3	2700 - 4600	10,805
495 49	2	300	20	50	110	3 + 3	2700 - 4600	10,695
495 50	2	300	30	30	110	3 + 3	2700 - 4600	16,336
495 51	2	300	30	35	110	3 + 3	2700 - 4600	16,276
495 52	2	300	30	40	110	3 + 3	2700 - 4600	16,208
495 53	2	300	30	50	110	3 + 3	2700 - 4600	16,043

Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 15		Coltello / Knife	20 x 12 x 1,5
907 18		Coltello / Knife	30 x 12 x 1,5
943 10		Rasante / Spur	14 x 14 x 2
CU 19		Cuneo / Wedge	19
CU 29		Cuneo / Wedge	29
CU 39		Cuneo / Wedge	39
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M8 x 16		Vite / Screw	M8 x 16
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4
CHT15 torx		Chiave / Allen key	T15 torx

Art. 951

Teste prepiallatore per piani rigati

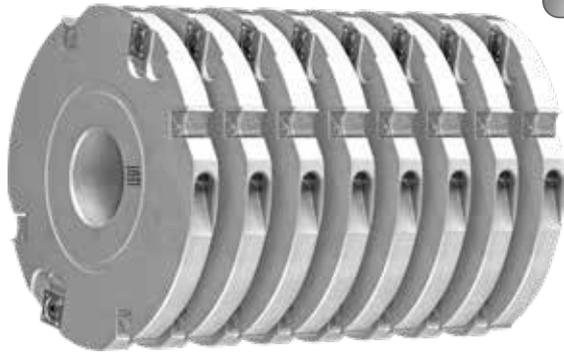
Thickening heads for striped planks

Vorhobelköpfe für geriffelte Flächen

Cabezales para precepilladora para superficies rayadas

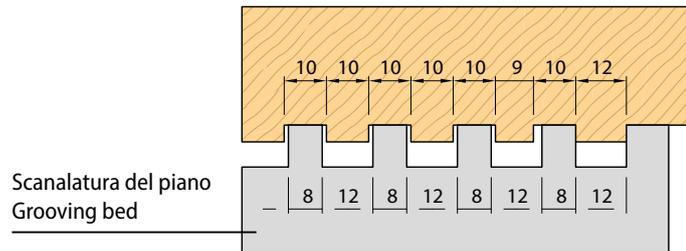
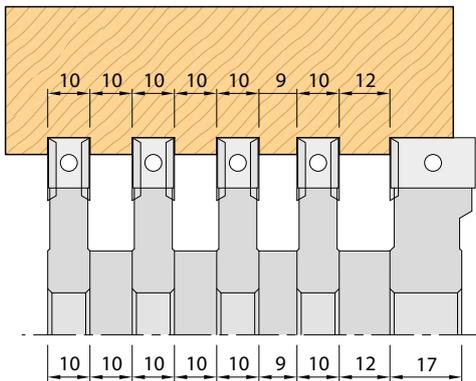
P.O. pour rainure de guidage

головки предварительного строгания для негладких поверхностей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
951 10	125	20	40	4+2	6000 - 12000	1,697
951 11	125	10	40	4+4	6000 - 12000	0,848
951 12	140	20	40	4+2	6000 - 11000	2,178
951 13	140	10	40	4+4	6000 - 11000	1,089

Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 15		Coltello / Knife	20 x 12 x 1,5
907 11		Coltello / Knife	9,6 x 12 x 1,5
943 10		Rasante / Spur	14 x 14 x 2
CU 9		Cuneo / Wedge	9
CU 19		Cuneo / Wedge	19
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M6 x 16		Vite / Screw	M6 x 16
VT M8 x 16		Vite / Screw	M8 x 16
CH T3		Chiave / Allen key	T3
CH T4		Chiave / Allen key	T4
CH T15 torx		Chiave / Allen key	T15 torx



	Number of tools for different widths working width mm.				
B mm	80	100	120	140	170
B 20	1	1	1	1	1
B 10	3	4	5	6	8

Art. 948

testa per piallare

planning cutterhead

Hobelmesserkopf

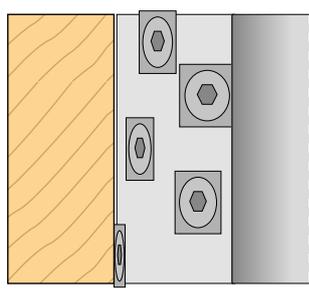
cabecal para cepillar

p.o. pour dégauchir

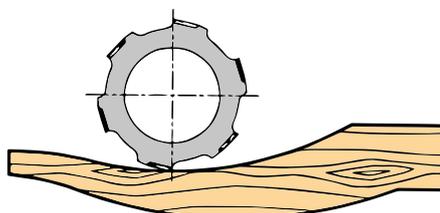
фреза для строгания



Cod.	ø D mm	B mm	ø d mm	Z	Knife N.	rpm min/max	weight kg.
948 10	62	60	30	4	14	6000 - 10000	0,981
948 11	62	80	30	4	16	6000 - 10000	1,309
948 12	62	100	30	4	18	6000 - 10000	1,636
948 13	62	120	30	4	20	6000 - 10000	1,963
948 18	80	60	35	4	14	6000 - 10000	1,725
948 19	80	80	35	4	16	6000 - 10000	2,300
948 20	80	100	35	4	18	6000 - 10000	2,875
948 21	80	120	35	4	20	6000 - 10000	3,450
948 22	80	60	40	4	14	6000 - 10000	1,600
948 23	80	80	40	4	16	6000 - 10000	2,133
948 24	80	100	40	4	18	6000 - 10000	2,667
948 25	80	120	40	4	20	6000 - 10000	3,200
948 26	80	60	50	4	14	6000 - 10000	1,300
948 27	80	80	50	4	16	6000 - 10000	1,733
948 28	80	100	50	4	18	6000 - 10000	2,167
948 29	80	120	50	4	20	6000 - 10000	2,600



Cod.		Parti di ricambio Spare Partes	Dimensions mm
942 10		Coltello / Knife	14 x 14 x 2 Smus
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
CHT15 torx		Chiave / Allen key	T15 torx



Art. 100

cuscinetto per guida

bearing guide

Führungslager

rodamiento guía

roulement à billes

направляющий подшипник



Cod.	ø D mm	Thickness mm	Bore mm
100 10	62	14	30
100 11	80	21	35
100 12	80	18	40
100 13	80	16	50

Art. 955

testa per piallare corpo in lega leggera (ergal)

planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

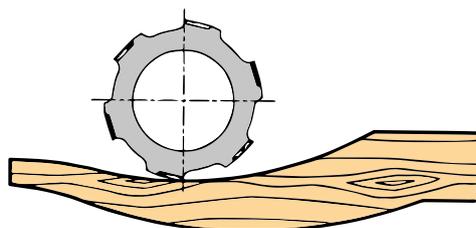
cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

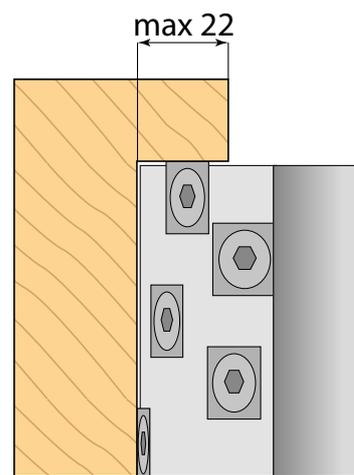
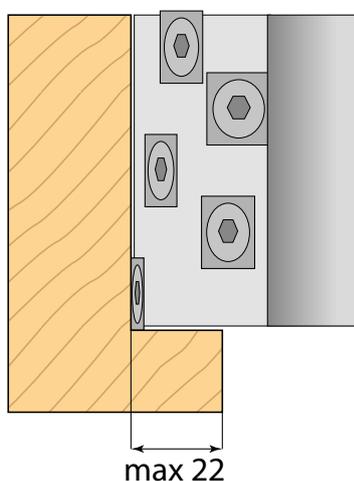
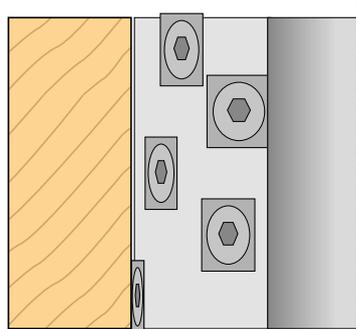
строгальная фреза из легкого сплава (ergal)



Cod.	ø D mm	B mm	ø d mm	Z	Knife N.	rpm min/max	weight kg.
955 10	95	60	30	4 2+2	10	6000 - 10000	1,003
955 11	95	80	30	4 2+2	14	6000 - 10000	1,337
955 12	95	100	30	4 2+2	16	6000 - 10000	1,671
955 13	95	120	30	4 2+2	20	6000 - 10000	2,006
955 20	100	60	35	4 2+2	10	6000 - 10000	1,083
955 21	100	80	35	4 2+2	14	6000 - 10000	1,444
955 22	100	100	35	4 2+2	16	6000 - 10000	1,805
955 23	100	120	35	4 2+2	20	6000 - 10000	2,166
955 25	105	60	40	4 2+2	10	6000 - 10000	1,163
955 26	105	80	40	4 2+2	14	6000 - 10000	1,551
955 27	105	100	40	4 2+2	16	6000 - 10000	1,939
955 28	105	120	40	4 2+2	20	6000 - 10000	2,326
955 30	115	60	50	4 2+2	10	6000 - 10000	1,324
955 31	115	80	50	4 2+2	14	6000 - 10000	1,765
955 32	115	100	50	4 2+2	16	6000 - 10000	2,206
955 33	115	120	50	4 2+2	20	6000 - 10000	2,647



Cod.		Parti di ricambio Spare Parts	Dimensions mm
942 10		Coltello / Knife	14 x 14 x 2 Smus
943 10		Rasante / Spur	14 x 14 x 2
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M5 x 12,6 torx		Vite / Screw	M5 x 12,6 torx
CH T20 torx		Chiave / Allen key	T20 torx
CH T15 torx		Chiave / Allen key	T15 torx



Art. 751

coppia di teste per tenonatrici manuali

pair of cutterheads for manual tenoner

paar von MesserKopf für manuell Zapfenmaschine

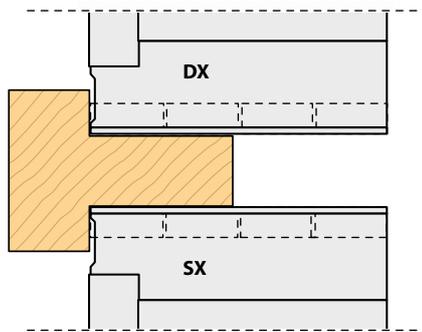
juego de cabezales para espigadoras manuales

paire de p.o. pour tenonneuses manuelles

пара фрез для ручной шипорезки



DX



SX



Cod.	Rot.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
751 10	DX	85	100	25	12+4	9100 - 12000	3,137
751 11	SX	85	100	25	12+4	9100 - 12000	3,137
751 12	DX	85	100	30	12+4	9100 - 12000	3,007
751 13	SX	85	100	30	12+4	9100 - 12000	3,007
751 14	DX	85	115	25	14+4	9100 - 12000	3,608
751 15	SX	85	115	25	14+4	9100 - 12000	3,608
751 16	DX	85	115	30	14+4	9100 - 12000	3,457
751 17	SX	85	115	30	14+4	9100 - 12000	3,457
751 18	DX	120	130	30	16+4	6200 - 8400	8,342
751 19	SX	120	130	30	16+4	6200 - 8400	8,342
751 20	DX	120	150	30	16+4	6200 - 8400	9,626
751 21	SX	120	150	30	16+4	6200 - 8400	9,626

Cod.	Spare Partes	Dimensions
907 15	Coltello / Knife	20 x 12 x 1,5
943 10	Rasante / Spur	14 x 14 x 2
CU 19	Cuneo / Wedge	19
VT M5 x 7 torx	Vite / Screw	M5 x 7 torx
VT M8 x 16	Vite / Screw	M8 x 16
CHT3	Chiave / Allen key	T3
CHT4	Chiave / Allen key	T4
CHT15 torx	Chiave / Allen key	T15 torx

Art. 1101

testa per incastri (lamello)

grooving cutterhead (lamello)

NutmesserKopf mit Vorschneiden (lamello)

cabezal para ensambles (galleta)

p.o. à rainier (lamello)

фреза для шпунтовых соединений (ламината)

1101 10

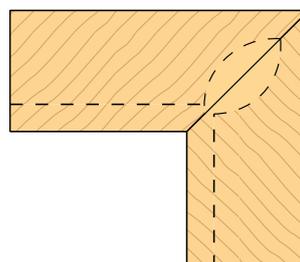


1101 20



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1101 10	100	4	22	4+4	7700 - 13000	0,219
1101 20	100	4	22	4+4	7700 - 13000	0,219

Cod.	Parti di ricambio Spare Partes	Dimensions mm
979 10	Coltello / Knife	18 x 18 x 1,9
943 10	Rasante / Spur	14 x 14 x 2
GH 9,35 x 1,7 x 4	Ghiera / Nut	9,35 x 1,7 x 4
GH 11,6 x 1,5 x 4	Ghiera / Nut	11,6 x 1,5 x 4
VT M4 x 3,2 torx	Vite / Screw	M4 x 3,2 torx
CH T9 torx	Chiave / Allen key	T9 torx



Art. 1105

testa per piallare corpo in lega leggera (ergal)

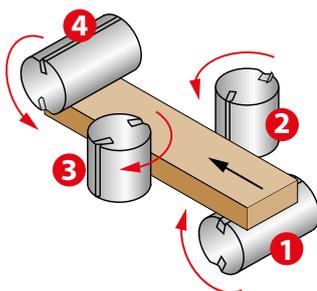
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1105 31	140	120	35	4	12000	4,988
1105 32	140	120	40	4	12000	4,988
1105 33	140	120	50	4	12000	4,988
1105 34	140	130	35	4	12000	5,403
1105 35	140	130	40	4	12000	5,403
1105 36	140	130	50	4	12000	5,403
1105 37	140	150	35	4	12000	6,234
1105 38	140	150	40	4	12000	6,234
1105 39	140	150	50	4	12000	6,234
1105 40	140	160	35	4	12000	6,650
1105 41	140	160	40	4	12000	6,650
1105 42	140	160	50	4	12000	6,650
1105 43	140	180	35	4	12000	7,481
1105 44	140	180	40	4	12000	7,481
1105 45	140	180	50	4	12000	7,481
1105 46	140	190	35	4	12000	7,897
1105 47	140	190	40	4	12000	7,897
1105 48	140	190	50	4	12000	7,897
1105 49	140	200	35	4	12000	8,313
1105 50	140	200	40	4	12000	8,313
1105 51	140	200	50	4	12000	8,313
1105 52	140	230	35	4	12000	9,560
1105 53	140	230	40	4	12000	9,560
1105 54	140	230	50	4	12000	9,560
1105 55	140	250	35	4	12000	10,391
1105 56	140	250	40	4	12000	10,391
1105 57	140	250	50	4	12000	10,391

Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1105 10	100	120	35	3	12000	2,545
1105 11	100	180	35	3	12000	3,817
1105 12	100	190	35	3	12000	4,029
1105 13	125	120	35	4	12000	3,976
1105 14	125	120	40	4	12000	3,976
1105 15	125	130	35	4	12000	4,307
1105 16	125	130	40	4	12000	4,307
1105 17	125	150	35	4	12000	4,970
1105 18	125	150	40	4	12000	4,970
1105 19	125	160	35	4	12000	5,301
1105 20	125	160	40	4	12000	5,301
1105 21	125	180	35	4	12000	5,964
1105 22	125	180	40	4	12000	5,964
1105 23	125	190	35	4	12000	6,295
1105 24	125	190	40	4	12000	6,295
1105 25	125	200	35	4	12000	6,627
1105 26	125	200	40	4	12000	6,627
1105 27	125	230	35	4	12000	7,621
1105 28	125	230	40	4	12000	7,621
1105 29	125	250	35	4	12000	8,283
1105 30	125	250	40	4	12000	8,283

Cod.	Parti di ricambio Spare Parts	Dimensions mm
CU 119	Cuneo / Wedge	119
CU 129	Cuneo / Wedge	129
CU 149	Cuneo / Wedge	149
CU 159	Cuneo / Wedge	159
CU 179	Cuneo / Wedge	179
CU 189	Cuneo / Wedge	189
CU 199	Cuneo / Wedge	199
CU 229	Cuneo / Wedge	229
CU 249	Cuneo / Wedge	249
VT M10 x 20	Vite / Screw	M10 x 20
CHT4	Chiave / Allen key	T4

Art. 101

coppia di calibri per teste articolo 1105

pair of callipers for article 1105

kaliberpaar fur kopfe artikel 1105

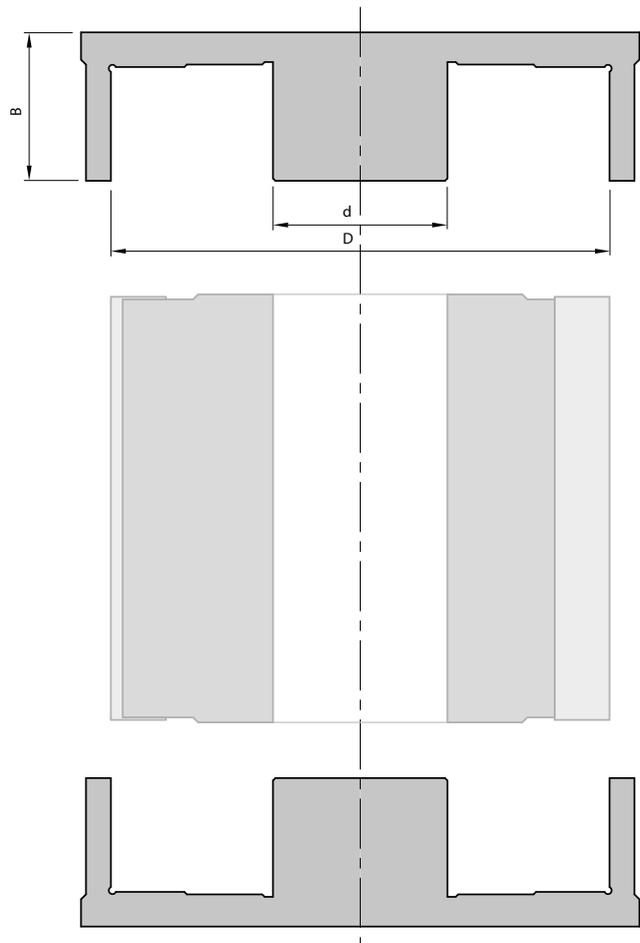
pareja de calibres para cabezas articulo 1105

paire de calibres pour article 1105

пара суппортов для арт. 1105



Cod.	ø D mm	B mm	ø d mm	weight kg.
101 10	100	30	30	1,800
101 11	100	30	35	1,800
101 12	120	30	30	1,190
101 13	120	30	35	1,190
101 14	120	30	40	1,190
101 15	120	30	50	1,190
101 16	125	30	30	1,200
101 17	125	30	35	1,200
101 18	125	30	40	1,200
101 19	125	30	50	1,200
101 20	140	30	30	1,250
101 21	140	30	35	1,250
101 22	140	30	40	1,250
101 23	140	30	50	1,250



light alloy plane heads
centrolock

Abrichtköpfe aus
leichtlegierung centrolock

cabecal para cepillar en
alición ligera centrolock

p.o. à raboter en alliage
léger centrolock

головки для строгания из
лёгкого сплава centrolock



NEW

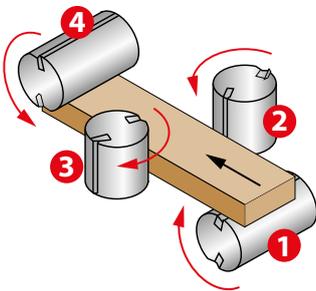
teste con coltelli centrolock a
sostituzione rapida con auto-
bloccaggio centrifugo

quick-change centrolock knife
cutterheads with centrifugal
self-blocking.

schnellwechselcentrolock-mes-
serköpfe mit zentrifugal-selb-
stblockierung.

cabecales con cuchillas cen-
trolock de cambio rápido con
autobloqueo centrifugo.

porte ouil centrolock a rempla-
cement rapide avec autoblo-
quante centrifuge



Parti di ricambio - Spare Parts			Dimensions mm
HSS	HW		
994 142	994 153	Coltello / Knife	130 x 16 x 3
994 143	994 154	Coltello / Knife	150 x 16 x 3
994 144	994 155	Coltello / Knife	170 x 16 x 3
994 145	994 156	Coltello / Knife	180 x 16 x 3
994 146	994 157	Coltello / Knife	190 x 16 x 3
994 147	994 158	Coltello / Knife	210 x 16 x 3
994 148	994 159	Coltello / Knife	230 x 16 x 3
994 149	994 160	Coltello / Knife	240 x 16 x 3
994 150	994 161	Coltello / Knife	260 x 16 x 3
994 151	994 162	Coltello / Knife	270 x 16 x 3
994 152	994 163	Coltello / Knife	310 x 16 x 3

Cod.		Parti di ricambio Spare Parts	Dimensions mm
CU 129		Cuneo / Wedge	129
CU 149		Cuneo / Wedge	149
CU 169		Cuneo / Wedge	169
CU 179		Cuneo / Wedge	179
CU 189		Cuneo / Wedge	189
CU 209		Cuneo / Wedge	209
CU 229		Cuneo / Wedge	229
CU 239		Cuneo / Wedge	239
CU 259		Cuneo / Wedge	259
CU 269		Cuneo / Wedge	269
CU 309		Cuneo / Wedge	309
VT M10 x 20		Vite / Screw	M10 x 20
CH T4		Chiave / Allen key	T4

Cod.	Cod.	ø D mm	B mm	ø d mm	Z	rpm max	weight kg.
HSS	HW						
994 10	994 76	125	130	40	2	12000	3,866
994 11	994 77	125	150	40	2	12000	4,461
994 12	994 78	125	170	40	2	12000	5,056
994 13	994 79	125	180	40	2	12000	5,353
994 14	994 80	125	190	40	2	12000	5,651
994 15	994 81	125	210	40	2	12000	6,246
994 16	994 82	125	230	40	2	12000	6,840
994 17	994 83	125	240	40	2	12000	7,138
994 18	994 84	125	260	40	2	10000	7,733
994 19	994 85	125	270	40	2	10000	8,030
994 20	994 86	125	310	40	2	10000	9,220
994 21	994 87	125	130	40	4	12000	4,307
994 22	994 88	125	150	40	4	12000	4,970
994 23	994 89	125	170	40	4	12000	5,633
994 24	994 90	125	180	40	4	12000	5,964
994 25	994 91	125	190	40	4	12000	6,295
994 26	994 92	125	210	40	4	12000	6,958
994 27	994 93	125	230	40	4	12000	7,621
994 28	994 94	125	240	40	4	12000	7,952
994 29	994 95	125	260	40	4	10000	8,615
994 30	994 96	125	270	40	4	10000	8,946
994 31	994 97	125	310	40	4	10000	10,272
994 32	994 98	140	130	40	2	12000	4,962
994 33	994 99	140	150	40	2	12000	5,726
994 34	994 100	140	170	40	2	12000	6,489
994 35	994 101	140	180	40	2	12000	6,871
994 36	994 102	140	190	40	2	12000	7,252
994 37	994 103	140	210	40	2	12000	8,016
994 38	994 104	140	230	40	2	12000	8,779
994 39	994 105	140	240	40	2	12000	9,161
994 40	994 106	140	260	40	2	10000	9,924
994 41	994 107	140	270	40	2	10000	10,306
994 42	994 108	140	310	40	2	10000	11,833
994 43	994 109	140	130	40	4	12000	5,403
994 44	994 110	140	150	40	4	12000	6,234
994 45	994 111	140	170	40	4	12000	7,066
994 46	994 112	140	180	40	4	12000	7,481
994 47	994 113	140	190	40	4	12000	7,897
994 48	994 114	140	210	40	4	12000	8,728
994 49	994 115	140	230	40	4	12000	9,560
994 50	994 116	140	240	40	4	12000	9,975
994 51	994 117	140	260	40	4	10000	10,806
994 52	994 118	140	270	40	4	10000	11,222
994 53	994 119	140	310	40	4	10000	12,885
994 54	994 120	140	130	50	2	12000	4,714
994 55	994 121	140	150	50	2	12000	5,439
994 56	994 122	140	170	50	2	12000	6,165
994 57	994 123	140	180	50	2	12000	6,527
994 58	994 124	140	190	50	2	12000	6,890
994 59	994 125	140	210	50	2	12000	7,615
994 60	994 126	140	230	50	2	12000	8,340
994 61	994 127	140	240	50	2	12000	8,703
994 62	994 128	140	260	50	2	10000	9,428
994 63	994 129	140	270	50	2	10000	9,791
994 64	994 130	140	310	50	2	10000	11,241
994 65	994 131	140	130	50	4	12000	5,403
994 66	994 132	140	150	50	4	12000	6,234
994 67	994 133	140	170	50	4	12000	7,066
994 68	994 134	140	180	50	4	12000	7,481
994 69	994 135	140	190	50	4	12000	7,897
994 70	994 136	140	210	50	4	12000	8,728
994 71	994 137	140	230	50	4	12000	9,560
994 72	994 138	140	240	50	4	12000	9,975
994 73	994 139	140	260	50	4	10000	10,806
994 74	994 140	140	270	50	4	10000	11,222
994 75	994 141	140	310	50	4	10000	12,885

Art. 1103

testa combinata per piallare

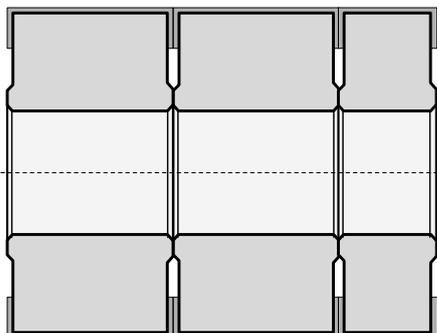
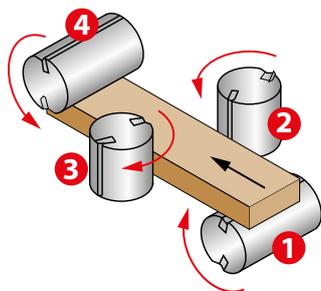
combined cutterhead for planing

Combiert MesserKopf für hobeln

cabezal combinado para cepillar

p.o. combiné pour dégauchir

комбинированная строгальная фреза



Cod.	∅ D mm	B mm	∅ d mm	Z	rpm min/max	weight kg.
1103 16	125	30	35	4	6200 - 10000	0,994
1103 17	125	30	40	4	6200 - 10000	0,994
1103 18	125	40	35	4	6200 - 10000	1,325
1103 19	125	40	40	4	6200 - 10000	1,325
1103 20	125	50	35	4	6200 - 10000	1,657
1103 21	125	50	40	4	6200 - 10000	1,657

Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 18		Coltello / Knife	30 x 12 x 1,5
907 19		Coltello / Knife	40 x 12 x 1,5
907 20		Coltello / Knife	50 x 12 x 1,5
CU 29		Cuneo / Wedge	29
CU 39		Cuneo / Wedge	39
CU 49		Cuneo / Wedge	49
VT M8 x 16		Vite / Screw	M8 x 16
CH T4		Chiave / Allen key	T4

Art. 1104

testa rasante per albero prepialla

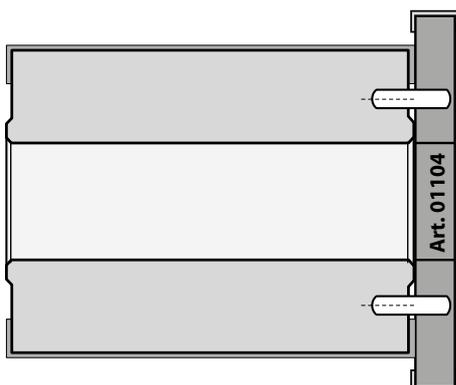
pre-grooving cutterhead

Führungsfalz MesserKopf

cabezal rasante para árbol precepillado

p.o. araseur pour arbre pré-dégauchisseuse

фреза с напайками для вала предварительного строгания



Cod.	∅ D mm	B mm	∅ d mm	Z	rpm min/max	weight kg.
1104 10	120	12	35	2+2	6200 - 10000	0,488
1104 11	125	12	35	2+2	6200 - 10000	0,533
1104 12	140	12	40	2+2	6200 - 10000	0,667
1104 13	145	12	40	2+2	6200 - 10000	0,719
1104 14	150	12	40	2+2	6200 - 10000	0,774
1104 15	160	12	40	2+2	6200 - 10000	0,889

Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 13		Coltello / Knife	12 x 12 x 1,5
943 10		Rasante / Spur	14 x 14 x 2
CU 11		Cuneo / Wedge	11
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M8 x 16		Vite / Screw	M8 x 16
CH T15 torx		Chiave / Allen key	T15 torx
CH T4		Chiave / Allen key	T4

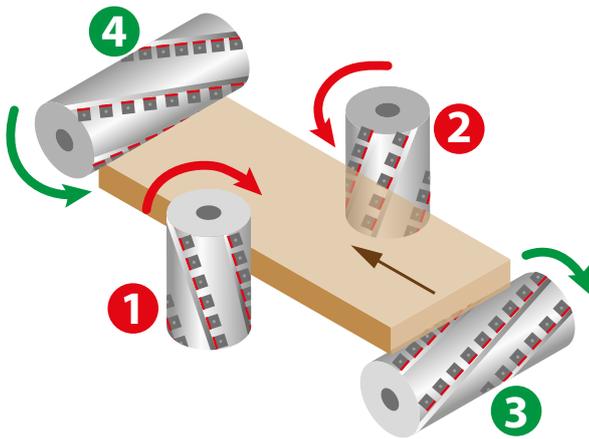
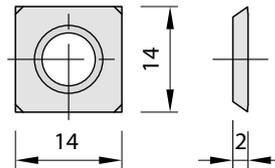
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod. 3	Cod. 4	ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
949 3 10	949 4 10	125	170	40	4	28	12000	5,056
949 3 11	949 4 11	125	180	40	4	30	12000	5,353
949 3 12	949 4 12	125	210	40	4	34	12000	6,246
949 3 13	949 4 13	125	220	40	4	36	12000	6,543
949 3 14	949 4 14	125	230	40	4	38	12000	6,840
949 3 15	949 4 15	125	240	40	4	40	12000	7,138
949 3 16	949 4 16	125	250	40	4	40	12000	7,435
949 3 17	949 4 17	125	270	40	4	44	12000	8,030
949 3 18	949 4 18	125	170	50	4	28	12000	4,732
949 3 19	949 4 19	125	180	50	4	30	12000	5,010
949 3 20	949 4 20	125	210	50	4	34	12000	5,845
949 3 21	949 4 21	125	220	50	4	36	12000	6,123
949 3 22	949 4 22	125	230	50	4	38	12000	6,401
949 3 23	949 4 23	125	240	50	4	40	12000	6,680
949 3 24	949 4 24	125	250	50	4	40	12000	6,958
949 3 25	949 4 25	125	270	50	4	44	12000	7,515
949 3 26	949 4 26	125	170	40	6	42	10000	5,056
949 3 27	949 4 27	125	180	40	6	45	10000	5,353
949 3 28	949 4 28	125	210	40	6	51	10000	6,246
949 3 29	949 4 29	125	220	40	6	54	10000	6,543
949 3 30	949 4 30	125	230	40	6	57	10000	6,840
949 3 31	949 4 31	125	240	40	6	60	10000	7,138
949 3 32	949 4 32	125	250	40	6	60	10000	7,435
949 3 33	949 4 33	125	270	40	6	66	10000	8,030
949 3 34	949 4 34	125	170	50	6	42	10000	4,732
949 3 35	949 4 35	125	180	50	6	45	10000	5,010
949 3 36	949 4 36	125	210	50	6	51	10000	5,845
949 3 37	949 4 37	125	220	50	6	54	10000	6,123
949 3 38	949 4 38	125	230	50	6	57	10000	6,401
949 3 39	949 4 39	125	240	50	6	60	10000	6,680
949 3 40	949 4 40	125	250	50	6	60	10000	6,958
949 3 41	949 4 41	125	270	50	6	66	10000	7,515
949 3 42	949 4 42	140	170	40	6	42	9000	6,489
949 3 43	949 4 43	140	180	40	6	45	9000	6,871
949 3 44	949 4 44	140	210	40	6	51	9000	8,016
949 3 45	949 4 45	140	220	40	6	54	9000	8,397
949 3 46	949 4 46	140	230	40	6	57	9000	8,779
949 3 47	949 4 47	140	240	40	6	60	9000	9,161
949 3 48	949 4 48	140	250	40	6	60	9000	9,543
949 3 49	949 4 49	140	270	40	6	66	9000	10,306
949 3 50	949 4 50	140	170	50	6	42	9000	6,165
949 3 51	949 4 51	140	180	50	6	45	9000	6,527
949 3 52	949 4 52	140	210	50	6	51	9000	7,615
949 3 53	949 4 53	140	220	50	6	54	9000	7,978
949 3 54	949 4 54	140	230	50	6	57	9000	8,340
949 3 55	949 4 55	140	240	50	6	60	9000	8,703
949 3 56	949 4 56	140	250	50	6	60	9000	9,065
949 3 57	949 4 57	140	270	50	6	66	9000	9,791

Cod. 1	Cod. 2	ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
949 1 10	949 2 10	125	120	40	4	20	12000	3,569
949 1 11	949 2 11	125	130	40	4	22	12000	3,866
949 1 12	949 2 12	125	140	40	4	24	12000	4,164
949 1 13	949 2 13	125	120	50	4	20	12000	3,340
949 1 14	949 2 14	125	130	50	4	22	12000	3,618
949 1 15	949 2 15	125	140	50	4	24	12000	3,897
949 1 16	949 2 16	125	120	40	6	30	10000	3,569
949 1 17	949 2 17	125	130	40	6	33	10000	3,866
949 1 18	949 2 18	125	140	40	6	36	10000	4,164
949 1 19	949 2 19	125	120	50	6	30	10000	3,340
949 1 20	949 2 20	125	130	50	6	33	10000	3,618
949 1 21	949 2 21	125	140	50	6	36	10000	3,897
949 1 22	949 2 22	140	120	40	6	30	9000	4,580
949 1 23	949 2 23	140	130	40	6	33	9000	4,962
949 1 24	949 2 24	140	140	40	6	36	9000	5,344
949 1 25	949 2 25	140	120	50	6	30	9000	4,351
949 1 26	949 2 26	140	130	50	6	33	9000	4,714
949 1 27	949 2 27	140	140	50	6	36	9000	5,077

Cod.	Parti di ricambio Spare Parts	Dimensions mm
942 10	Coltello / Knife	14 x 14 x 2 Smus
VT M5 x 12,6 torx	Vite / Screw	M5 x 12,6 torx
CH T20 torx	Chiave / Allen key	T20 torx

Art. 970

testa per piallare corpo in lega leggera (ergal)

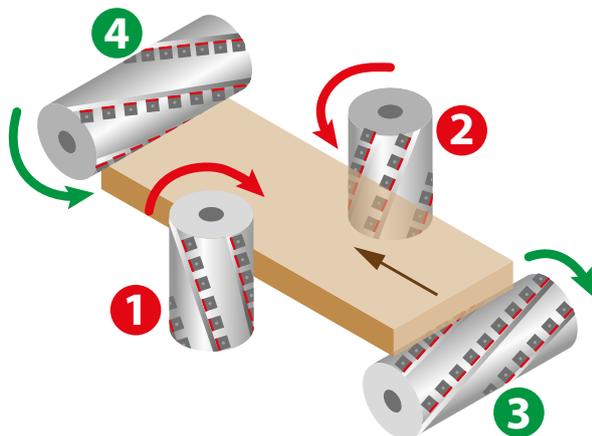
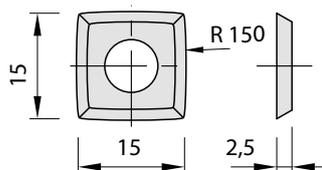
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod. 3	Cod. 4	ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
970 3 10	970 4 10	125	170	40	4	34	12000	5,056
970 3 11	970 4 11	125	180	40	4	36	12000	5,353
970 3 12	970 4 12	125	210	40	4	42	12000	6,246
970 3 13	970 4 13	125	220	40	4	44	12000	6,543
970 3 14	970 4 14	125	230	40	4	46	12000	6,840
970 3 15	970 4 15	125	240	40	4	48	12000	7,138
970 3 16	970 4 16	125	250	40	4	50	12000	7,435
970 3 17	970 4 17	125	270	40	4	54	12000	8,030
970 3 18	970 4 18	125	170	50	4	34	12000	4,732
970 3 19	970 4 19	125	180	50	4	36	12000	5,010
970 3 20	970 4 20	125	210	50	4	42	12000	5,845
970 3 21	970 4 21	125	220	50	4	44	12000	6,123
970 3 22	970 4 22	125	230	50	4	46	12000	6,401
970 3 23	970 4 23	125	240	50	4	48	12000	6,680
970 3 24	970 4 24	125	250	50	4	50	12000	6,958
970 3 25	970 4 25	125	270	50	4	54	12000	7,515
970 3 26	970 4 26	125	170	40	6	51	10000	5,056
970 3 27	970 4 27	125	180	40	6	54	10000	5,353
970 3 28	970 4 28	125	210	40	6	63	10000	6,246
970 3 29	970 4 29	125	220	40	6	66	10000	6,543
970 3 30	970 4 30	125	230	40	6	69	10000	6,840
970 3 31	970 4 31	125	240	40	6	72	10000	7,138
970 3 32	970 4 32	125	250	40	6	75	10000	7,435
970 3 33	970 4 33	125	270	40	6	81	10000	8,030
970 3 34	970 4 34	125	170	50	6	51	10000	4,732
970 3 35	970 4 35	125	180	50	6	54	10000	5,010
970 3 36	970 4 36	125	210	50	6	63	10000	5,845
970 3 37	970 4 37	125	220	50	6	66	10000	6,123
970 3 38	970 4 38	125	230	50	6	69	10000	6,401
970 3 39	970 4 39	125	240	50	6	72	10000	6,680
970 3 40	970 4 40	125	250	50	6	75	10000	6,958
970 3 41	970 4 41	125	270	50	6	81	10000	7,515
970 3 42	970 4 42	140	170	40	6	51	9000	6,489
970 3 43	970 4 43	140	180	40	6	54	9000	6,871
970 3 44	970 4 44	140	210	40	6	63	9000	8,016
970 3 45	970 4 45	140	220	40	6	66	9000	8,397
970 3 46	970 4 46	140	230	40	6	69	9000	8,779
970 3 47	970 4 47	140	240	40	6	72	9000	9,161
970 3 48	970 4 48	140	250	40	6	75	9000	9,543
970 3 49	970 4 49	140	270	40	6	81	9000	10,306
970 3 50	970 4 50	140	170	50	6	51	9000	6,165
970 3 51	970 4 51	140	180	50	6	54	9000	6,527
970 3 52	970 4 52	140	210	50	6	63	9000	7,615
970 3 53	970 4 53	140	220	50	6	66	9000	7,978
970 3 54	970 4 54	140	230	50	6	69	9000	8,340
970 3 55	970 4 55	140	240	50	6	72	9000	8,703
970 3 56	970 4 56	140	250	50	6	75	9000	9,065
970 3 57	970 4 57	140	270	50	6	81	9000	9,791

Cod. 1	Cod. 2	ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
970 1 10	970 2 10	125	120	40	4	24	12000	3,569
970 1 11	970 2 11	125	130	40	4	26	12000	3,866
970 1 12	970 2 12	125	140	40	4	26	12000	4,164
970 1 13	970 2 13	125	120	50	4	24	12000	3,340
970 1 14	970 2 14	125	130	50	4	26	12000	3,618
970 1 15	970 2 15	125	140	50	4	26	12000	3,897
970 1 16	970 2 16	125	120	40	6	36	10000	3,569
970 1 17	970 2 17	125	130	40	6	39	10000	3,866
970 1 18	970 2 18	125	140	40	6	39	10000	4,164
970 1 19	970 2 19	125	120	50	6	36	10000	3,340
970 1 20	970 2 20	125	130	50	6	39	10000	3,618
970 1 21	970 2 21	125	140	50	6	39	10000	3,897
970 1 22	970 2 22	140	120	40	6	36	9000	4,580
970 1 23	970 2 23	140	130	40	6	39	9000	4,962
970 1 24	970 2 24	140	140	40	6	39	9000	5,344
970 1 25	970 2 25	140	120	50	6	36	9000	4,351
970 1 26	970 2 26	140	130	50	6	39	9000	4,714
970 1 27	970 2 27	140	140	50	6	39	9000	5,077

Cod.	Parti di ricambio Spare Partes	Dimensions mm
945 E11	Coltello / Knife	15x15x2,5 R150
VT M5 x 12,6 torx	Vite / Screw	M5 x 12,6 torx
CH T20 torx	Chiave / Allen key	T20 torx



Art. 976

testa per piallare corpo in lega leggera (ergal)

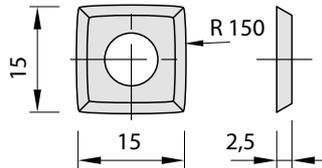
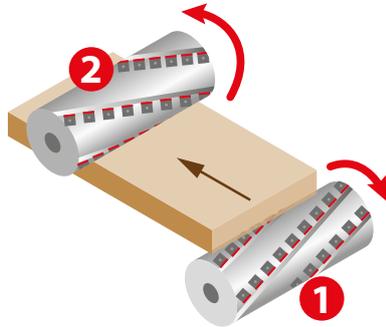
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod. 1	Cod. 2	ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
976 1 10	976 2 10	125	310	40	4	60	12000	9,220
976 1 11	976 2 11	125	360	40	4	70	12000	10,707
976 1 12	976 2 12	125	310	50	4	60	12000	8,628
976 1 13	976 2 13	125	360	50	4	70	12000	10,020
976 1 14	976 2 14	125	310	40	6	96	10000	9,220
976 1 15	976 2 15	125	360	40	6	110	10000	10,707
976 1 16	976 2 16	125	310	50	6	96	10000	8,628
976 1 17	976 2 17	125	360	50	6	110	10000	10,020
976 1 18	976 2 18	140	310	40	6	96	9000	11,833
976 1 19	976 2 19	140	360	40	6	110	9000	13,741
976 1 20	976 2 20	140	310	50	6	96	9000	11,241
976 1 21	976 2 21	140	360	50	6	110	9000	13,054

Cod.		Parti di ricambio Spare Partes	Dimensions mm
945 E 11		Coltello / Knife	15x15x2,5 R150
VT M5 x 12,6 torx		Vite / Screw	M5 x 12,6 torx
CHT20 torx		Chiave / Allen key	T20 torx

Art. 1300

truciolo in lega leggera ergal per macchine HUNDEGGER

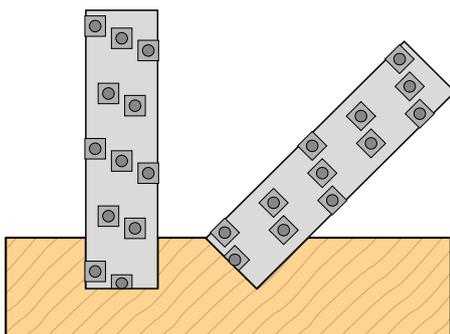
hoggers in light alloy (ergal) for HUNDEGGER machine

ergal leichtmetall spanplatten-fräser für HUNDEGGER maschine

tritadora de aleación ligera ergal para máquina HUNDEGGER

dechiqueteur en alliage léger(ergal) pour machine HUNDEGGER

строгальная фреза из лёгкого сплава ERGAL для станка HUNDEGGER



Cod.	ø D mm	B mm	ø d mm	Z	V	weight kg.
1300 10	250	60	30	4 + 4	8 + 8	7,838
1300 11	250	80	30	4 + 4	8 + 8	10,450
1300 12	250	100	30	4 + 4	8 + 8	13,063
1300 13	300	40	30	4 + 4	8 + 8	7,558
1300 14	300	60	30	4 + 4	8 + 8	11,337
1300 15	300	80	30	4 + 4	8 + 8	15,115
1300 16	300	100	30	4 + 4	8 + 8	18,894
1300 17	350	40	30	4 + 4	8 + 8	10,314
1300 18	350	60	30	4 + 4	8 + 8	15,472
1300 19	350	80	30	4 + 4	8 + 8	20,629
1300 20	350	100	30	4 + 4	8 + 8	25,786

Cod.		Parti di ricambio Spare Partes	Dimensions mm
946 10		Coltello / Knife	21 x 21 x 5,5
VT M7 x 16 torx		Vite / Screw	M7 x 16
CHT30 torx		Chiave / Allen key	T30 torx

Art. 991

testa per piallare corpo in lega leggera (ergal)

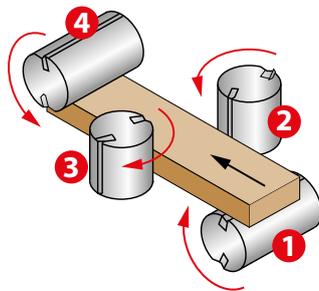
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 B12		Coltello / Knife	30 x 12 x 1,5 smus.
CU 29		Cuneo / Wedge	29
VT M8 x 20		Vite / Screw	M8 x 20
CH T4		Chiave / Allen key	T4

Cod.		ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
991 10	Acier	100	120	35	6	15	10000	2,029
991 11	Acier	100	140	35	6	18	10000	2,368
991 12	Acier	100	190	35	6	27	10000	3,213
991 13	Alloy	120	120	40	6	15	9400	3,028
991 14	Alloy	120	180	40	6	24	9400	4,542
991 15	Alloy	120	220	40	6	30	9400	5,552
991 16	Alloy	120	230	40	6	30	9400	5,804
991 17	Alloy	125	120	40	6	15	9400	3,340
991 18	Alloy	125	140	40	6	18	9400	3,897
991 19	Alloy	125	180	40	6	24	9400	5,010
991 20	Alloy	125	220	40	6	30	9400	6,123
991 21	Alloy	125	230	40	6	30	9400	6,401
991 22	Alloy	125	250	40	6	30	9400	6,958
991 23	Alloy	140	120	40	6	15	9000	4,351
991 24	Alloy	140	180	40	6	24	9000	6,527
991 25	Alloy	140	220	40	6	30	9000	7,978
991 26	Alloy	140	230	40	6	30	9000	8,340
991 27	Alloy	140	250	40	6	30	9000	9,065
991 28	Alloy	140	120	50	6	15	9000	4,072
991 29	Alloy	140	180	50	6	24	9000	6,107
991 30	Alloy	140	220	50	6	30	9000	7,464
991 31	Alloy	140	230	50	6	30	9000	7,804
991 32	Alloy	140	250	50	6	30	9000	8,482

Art. 993

testa per piallare corpo in lega leggera (ergal)

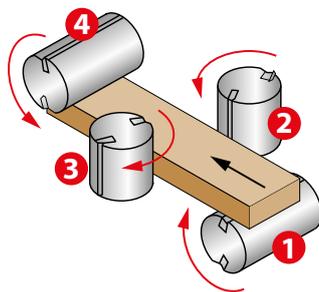
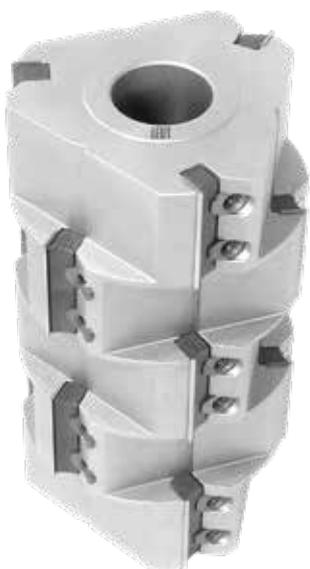
planer cutterhead body in light alloy (ergal)

HobelmesserKopf leichtmetall Körper (ergal)

cabezal para cepillar con cuerpo en aleación ligera (ergal)

p.o. pour raboter corps en alliage léger (ergal)

строгальная фреза из легкого сплава (ergal)



Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 B14		Coltello / Knife	50 x 12 x 1,5 smus.
CU 49		Cuneo / Wedge	49
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CH T4		Chiave / Allen key	T4

Cod.		ø D mm	B mm	ø d mm	Z	Knife N.	rpm max	weight kg.
993 10		100	120	35	3	9	10000	1,298
993 11		100	140	35	3	12	10000	1,514
993 12		100	190	35	3	15	10000	2,055
993 13		120	120	40	3	9	9400	2,036
993 14		120	180	40	3	12	9400	3,054
993 15		120	220	40	3	15	9400	3,732
993 16		120	230	40	3	15	9400	3,902
993 17		125	120	40	3	9	9400	2,347
993 18		125	140	40	3	9	9400	2,739
993 19		125	180	40	3	12	9400	3,521
993 20		125	220	40	3	12	9400	4,304
993 21		125	230	40	3	15	9400	4,499
993 22		125	250	40	3	18	9400	4,891
993 23		140	120	40	3	9	9000	3,359
993 24		140	180	40	3	12	9000	5,038
993 25		140	220	40	3	15	9000	6,158
993 26		140	230	40	3	15	9000	6,438
993 27		140	250	40	3	18	9000	6,998
993 28		140	120	50	3	9	9000	2,443
993 29		140	180	50	3	12	9000	3,664
993 30		140	220	50	3	15	9000	4,479
993 31		140	230	50	3	15	9000	4,682
993 32		140	250	50	3	18	9000	5,089

cutterhead for planing, chamfering and rounding in light alloy (ergal) centrolock

Messerkopf zum hobeln, anfasen und runden leichtmetall Körper (ergal) centrolock

cabezal para cepillar, biselar y radiar en aleación ligera (ergal) centrolock

p.o. pour dégauchir, chanfreiner et rayonner en alliage léger (ergal) centrolock

фреза для строгания, снятия фаски и радиусной обработки (ergal) centrolock



NEW

teste con coltelli centrolock a sostituzione rapida con autobloccaggio centrifugo

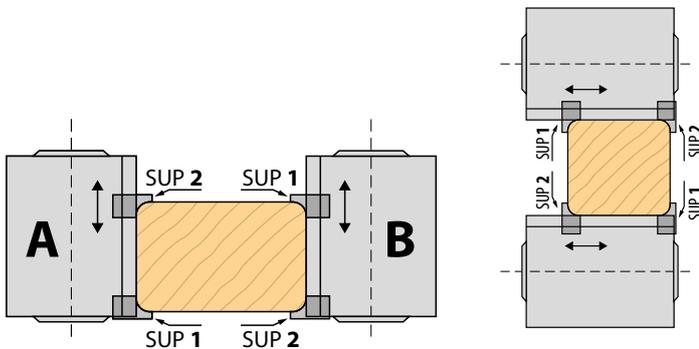
quick-change centrolock knife cutterheads with centrifugal self-blocking.

schnellwechselcentrolock-mes-serköpfe mit zentrifugal-selbstblockierung.

cabezales con cuchillas centrolock de cambio rápido con autobloqueo centrifugo.

porte outil centrolock a remplacement rapide avec autobloquante centrifuge

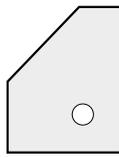
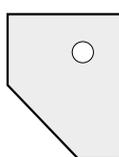
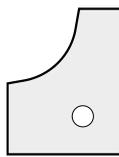
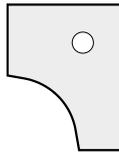
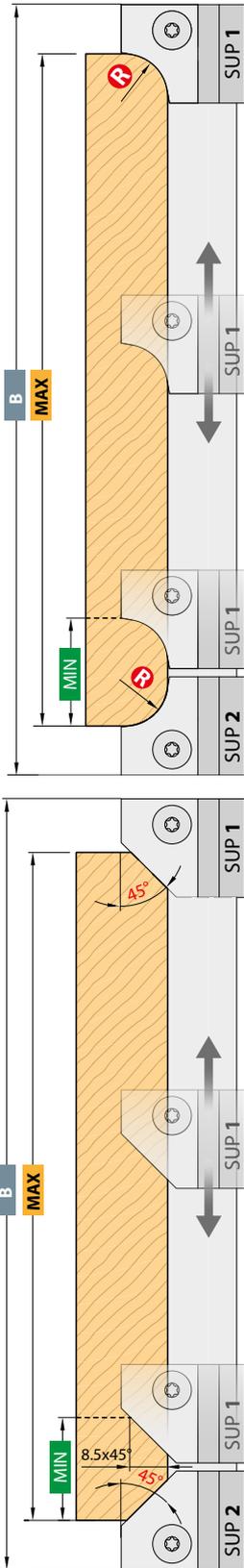
Cod.	Cod.	ø D	B	ø d	Z	rpm	weight
HSS	HW	mm	mm	mm		max	kg.
950 10	950 43	125	130	40	2+4	10200	4,307
950 11	950 44	125	150	40	2+4	10200	4,970
950 12	950 45	125	170	40	2+4	10200	5,633
950 13	950 46	125	180	40	2+4	10200	5,964
950 14	950 47	125	190	40	2+4	10200	6,295
950 15	950 48	125	210	40	2+4	10200	6,958
950 16	950 49	125	230	40	2+4	10200	7,621
950 17	950 50	125	240	40	2+4	10200	7,952
950 18	950 51	125	260	40	2+4	10200	8,615
950 19	950 52	125	270	40	2+4	10200	8,946
950 20	950 53	125	310	40	2+4	10200	10,272
950 21	950 54	140	130	40	4+4	9500	5,403
950 22	950 55	140	150	40	4+4	9500	6,234
950 23	950 56	140	170	40	4+4	9500	7,066
950 24	950 57	140	180	40	4+4	9500	7,481
950 25	950 58	140	190	40	4+4	9500	7,897
950 26	950 59	140	210	40	4+4	9500	8,728
950 27	950 60	140	230	40	4+4	9500	9,560
950 28	950 61	140	240	40	4+4	9500	9,975
950 29	950 62	140	260	40	4+4	9500	10,806
950 30	950 63	140	270	40	4+4	9500	11,222
950 31	950 64	140	310	40	4+4	9500	12,885
950 32	950 65	140	130	50	4+4	9500	5,403
950 33	950 66	140	150	50	4+4	9500	6,234
950 34	950 67	140	170	50	4+4	9500	7,066
950 35	950 68	140	180	50	4+4	9500	7,481
950 36	950 69	140	190	50	4+4	9500	7,897
950 37	950 70	140	210	50	4+4	9500	8,728
950 38	950 71	140	230	50	4+4	9500	9,560
950 39	950 72	140	240	50	4+4	9500	9,975
950 40	950 73	140	260	50	4+4	9500	10,806
950 41	950 74	140	270	50	4+4	9500	11,222
950 42	950 75	140	310	50	4+4	9500	12,885



Cod.	Parti di ricambio	Rif.	Dimensions
	Spare Partes		mm
CU 129	Cuneo / Wedge		129
CU 149	Cuneo / Wedge		149
CU 169	Cuneo / Wedge		169
CU 179	Cuneo / Wedge		179
CU 189	Cuneo / Wedge		189
CU 209	Cuneo / Wedge		209
CU 229	Cuneo / Wedge		229
CU 239	Cuneo / Wedge		239
CU 259	Cuneo / Wedge		259
CU 269	Cuneo / Wedge		269
CU 309	Cuneo / Wedge		309
SP 950 1	Supporto / Support	SUP 1	25 x 27 x 17
SP 950 2	Supporto / Support	SUP 2	25 x 27 x 17
VT M6 x 12	Vite / Screw	SUP 1-2	M6 x 12
VT M10 x 20	Vite / Screw		M10 x 20
VT M5 x 8 torx	Vite / Screw		M5 x 8 torx
CHT15 torx	Chiave / Allen key		T15 torx
CHT 3	Chiave / Allen key		T3
CHT 5	Chiave / Allen key		T5



Parti di ricambio - Spare Partes			B	H	S
HSS	HW		mm	mm	mm
950 76	950 87	Coltello / Knife	130	16	3
950 77	950 88	Coltello / Knife	150	16	3
950 78	950 89	Coltello / Knife	170	16	3
950 79	950 90	Coltello / Knife	180	16	3
950 80	950 91	Coltello / Knife	190	16	3
950 81	950 92	Coltello / Knife	210	16	3
950 82	950 93	Coltello / Knife	230	16	3
950 83	950 94	Coltello / Knife	240	16	3
950 84	950 95	Coltello / Knife	260	16	3
950 85	950 96	Coltello / Knife	270	16	3
950 86	950 97	Coltello / Knife	310	16	3



Cod. Ricambi	Spare Partes	B	H	S
HW	R mm	mm	mm	mm
950 98	3	25	25	2
950 99	4	25	25	2
950 100	5	25	25	2
950 101	6	25	25	2
950 102	7	25	25	2
950 103	8	25	25	2
950 104	9	25	25	2
950 105	10	25	25	2
950 106	12	25	25	2

Cod. Ricambi	Spare Partes	B	H	S
HW	R mm	mm	mm	mm
950 107	3	25	25	2
950 108	4	25	25	2
950 109	5	25	25	2
950 110	6	25	25	2
950 111	7	25	25	2
950 112	8	25	25	2
950 113	9	25	25	2
950 114	10	25	25	2
950 115	12	25	25	2



Profile R 3...>>>...12 | 45°

Nell'ordine specificare un solo tipo di profilo
 When ordering, specify only one type of profile
 Geben Sie bei der Bestellung nur einen Profiltyp an
 Lors de la commande, précisez un seul type de profil
 Al realizar el pedido, especifique solo un tipo de perfil
 При заказе указывайте только один тип профиля

Cod. Ricambi	Spare Partes	B	H	S
HW	α	mm	mm	mm
950 116	45°	25	25	2

Cod. Ricambi	Spare Partes	B	H	S
HW	α	mm	mm	mm
950 117	45°	25	25	2

R	B 130		B 150		B 170		B 180		B 190		B 210		B 230		B 240		B 260		B 270		B 310	
	Min	Max																				
3	20	102	20	122	20	142	20	152	20	162	20	182	20	202	20	212	20	232	20	242	20	282
4	22	104	22	124	22	144	22	154	22	164	22	184	22	204	22	214	22	234	22	244	22	284
5	22	104	22	124	22	144	22	154	22	164	22	184	22	204	22	214	22	234	22	244	22	284
6	23	105	23	125	23	145	23	155	23	165	23	185	23	205	23	215	23	235	23	245	23	285
7	23	105	23	125	23	145	23	155	23	165	23	185	23	205	23	215	23	235	23	245	23	285
8	24	106	24	126	24	146	24	156	24	166	24	186	24	206	24	216	24	236	24	246	24	286
9	24	106	24	126	24	146	24	156	24	166	24	186	24	206	24	216	24	236	24	246	24	286
10	25	107	25	127	25	147	25	157	25	167	25	187	25	207	25	217	25	237	25	247	25	287
12	25	108	25	128	25	148	25	158	25	168	25	188	25	208	25	218	25	238	25	248	25	288
45°	24	106	24	126	24	146	24	156	24	166	24	186	24	206	24	216	24	236	24	246	24	286

Shaped HSS 8mm knives
-holder cutter head

ProfilmesserfräsKopf HSS
8mm

Cabezal puertacuchillas
perfiladas HSS 8mm

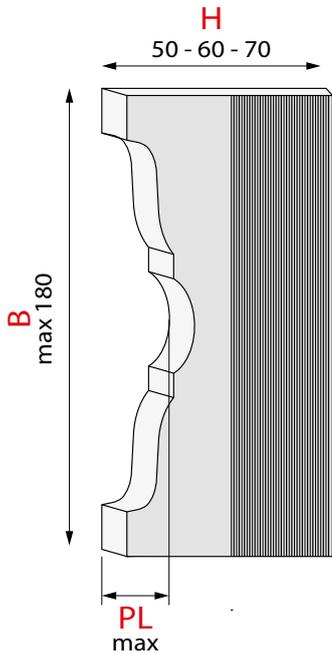
p.o. perfilés HSS 8mm

Ножевая головка с
профилированными
ножами из HSS 8mm



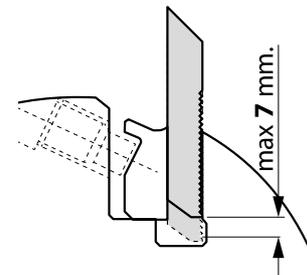
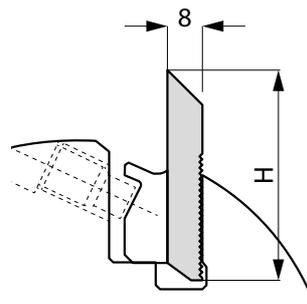
Corpo utensile escluso coltelli.
Tool body without knives.
Werkzeug-körper ohne profilmesser.
Cuerpo de la herramienta sin cuchillo.
Corps de l'outil sans plaquettes.
Тело инструмента без ножей

H mm	PL max mm
50	15
60	20
70	30



Cod.	Cod.	ø D mm	B mm	ø d mm	rpm max	weight kg.
Z 2	Z 4					
199 10	199 50	122	60	35	9000	4,806
199 11	199 51	122	80	35	9000	6,408
199 12	199 52	122	100	35	9000	8,010
199 13	199 53	122	130	35	9000	10,414
199 14	199 54	122	150	35	9000	12,016
199 15	199 55	122	180	35	9000	14,419
199 18	199 58	122	60	40	9000	4,674
199 19	199 59	122	80	40	9000	6,232
199 20	199 60	122	100	40	9000	7,790
199 21	199 61	122	130	40	9000	10,128
199 22	199 62	122	150	40	9000	11,686
199 23	199 63	122	180	40	9000	14,023
199 42	199 82	137	60	50	8000	5,725
199 43	199 83	137	80	50	8000	7,633
199 44	199 84	137	100	50	8000	9,541
199 45	199 85	137	130	50	8000	12,403
199 46	199 86	137	150	50	8000	14,312
199 47	199 87	137	180	50	8000	17,174

Cod.		Parti di ricambio Spare Parts	Dimensions L - H - S
CU 59		Cuneo / Wedge	59
CU 79		Cuneo / Wedge	79
CU 99		Cuneo / Wedge	99
CU 129		Cuneo / Wedge	129
CU 149		Cuneo / Wedge	149
CU 179		Cuneo / Wedge	179
VT M10 x 20		Vite / Screw	M10 x 20
CHT5		Chiave / Allen key	T5



Profilatura coltelli a preventivo
Profiling knives on request
Messern profilierung auf anfrage
Perfilado de cuchillas según presupuesto
Profilage de plaquettes suivant devis
Профилирование ножей по
предварительной смете

cutterhead for corrugated knives from 8 mm with chip limiter

messerkopf mit rückenverzahnung von 8 mm mit abweiser

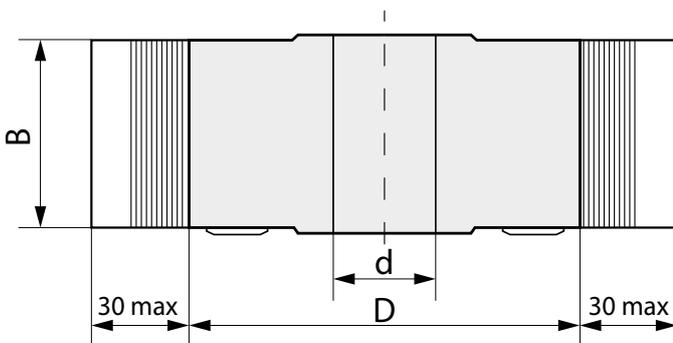
porte outils pour fers crantés de 8 mm avec limiteur

cabezal para cuchillos moldeados de 8 mm con limitador de viruta

ножевая головка для ножей под наклоном от 8 мм с чип-ограничителем



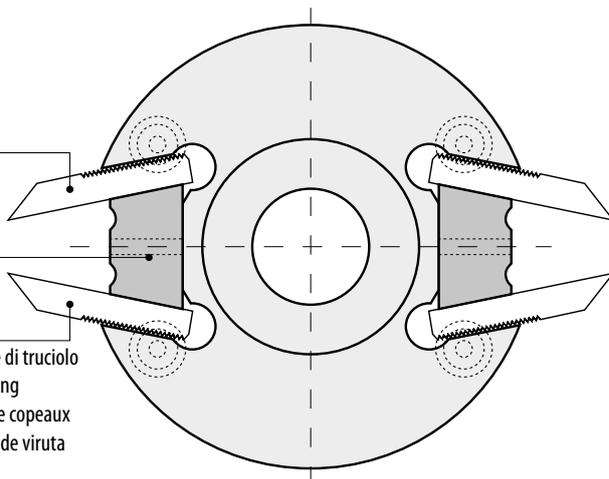
Corpo utensile escluso coltelli.
Tool body without knives.
Werkzeug-körper ohne Profilmesser.
Cuerpo de la herramienta sin cuchillo.
Corps de l'outil sans plaquettes.
Тело инструмента без ножей



Coltello
Knives
couteau
Cuchillas
Messer

Tassello
Wedge
goujon
Cuña
Sperrer

Limitatore di truciolo
Chip limiting
limiteur de copeaux
Limitador de viruta
Abweiser



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
200 10	122	40	30	2	6000 - 8000	3,091
200 11	122	50	30	2	6000 - 8000	3,863
200 12	122	60	30	2	6000 - 8000	4,636
200 13	122	80	30	2	6000 - 8000	6,181
200 14	122	100	30	2	6000 - 8000	7,727
200 15	122	120	30	2	6000 - 8000	9,272
200 16	122	130	30	2	6000 - 8000	10,045
200 17	122	150	30	2	6000 - 8000	11,590
200 18	122	160	30	2	6000 - 8000	12,363
200 19	122	180	30	2	6000 - 8000	13,908
200 20	122	40	31,75	2	6000 - 8000	3,068
200 21	122	50	31,75	2	6000 - 8000	3,835
200 22	122	60	31,75	2	6000 - 8000	4,602
200 23	122	80	31,75	2	6000 - 8000	6,136
200 24	122	100	31,75	2	6000 - 8000	7,670
200 25	122	120	31,75	2	6000 - 8000	9,204
200 26	122	130	31,75	2	6000 - 8000	9,971
200 27	122	150	31,75	2	6000 - 8000	11,505
200 28	122	160	31,75	2	6000 - 8000	12,272
200 29	122	180	31,75	2	6000 - 8000	13,806
200 30	122	40	35	2	6000 - 8000	3,022
200 31	122	50	35	2	6000 - 8000	3,778
200 32	122	60	35	2	6000 - 8000	4,534
200 33	122	80	35	2	6000 - 8000	6,045
200 34	122	100	35	2	6000 - 8000	7,556
200 35	122	120	35	2	6000 - 8000	9,067
200 36	122	130	35	2	6000 - 8000	9,823
200 37	122	150	35	2	6000 - 8000	11,334
200 38	122	160	35	2	6000 - 8000	12,090
200 39	122	180	35	2	6000 - 8000	13,601
200 40	122	40	40	2	6000 - 8000	2,944
200 41	122	50	40	2	6000 - 8000	3,680
200 42	122	60	40	2	6000 - 8000	4,416
200 43	122	80	40	2	6000 - 8000	5,887
200 44	122	100	40	2	6000 - 8000	7,359
200 45	122	120	40	2	6000 - 8000	8,831
200 46	122	130	40	2	6000 - 8000	9,567
200 47	122	150	40	2	6000 - 8000	11,039
200 48	122	160	40	2	6000 - 8000	11,775
200 49	122	180	40	2	6000 - 8000	13,247

Cod.	Parti di ricambio Spare Partes	Dimensions mm
VT M8 x 20	Vite / Screw	M8 x 20
CH T4	Chiave / Allen key	T4

Art. 470

testa per piallare corpo in lega leggera (ergal) POWERLOCK

planing head - POWER-LOCK light alloy (ergal) body

hobelkopf, traggkörper aus leichtmetall (ergal) POWERLOCK

cabezal para cepillar, cuerpo en aleación ligera (ergal) POWERLOCK

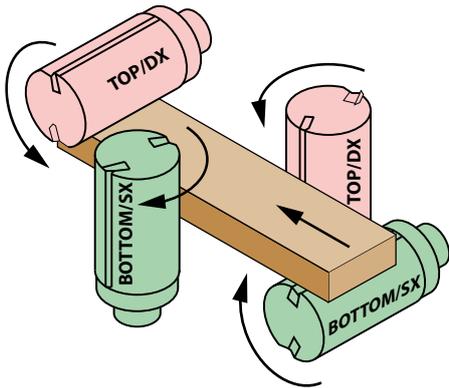
p.o. a raboter avec corps en alliage léger (ergal) POWERLOCK

фреза для строгания, корпус из легкого сплава (ergal) POWERLOCK



Cod. Bottom/SX	Cod Top/DX	ø D mm	B mm	Z	rpm max	weight kg.
470 10	470 20	125	130	2+2	12000	5,491
470 11	470 21	125	170	2+2	12000	7,181
470 12	470 22	125	210	2+2	12000	8,870
470 13	470 23	125	240	2+2	12000	10,131
470 14	470 24	125	270	2+2	8000	11,405
470 15	470 25	125	310	2+2	8000	13,094

Cod.		Parti di ricambio Spare Parts	Dimensions mm.
945 E11		Coltello / Knife	15 x 15 x 2,5 R 150
VT M5 x 12,6 torx		Vite / Screw	M5 x 12,6 torx
CH T20 torx		Chiave / Allen key	T20 torx



Art. 475

testa per piallare, corpo in lega leggera ergal, POWERLOCK, con fresa rasante

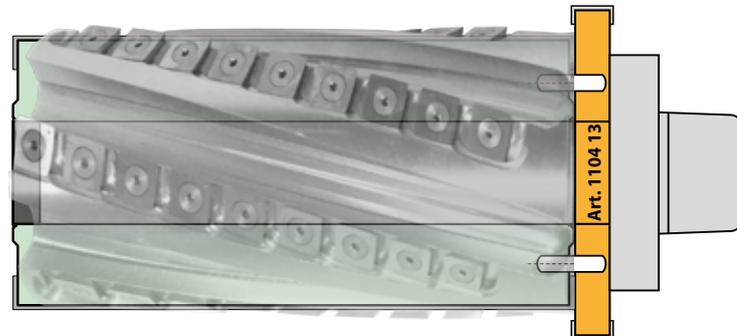
planing head - POWER-LOCK light alloy (ergal) body with shaving cutter

hobelkopf, traggkörper aus leichtmetall (ergal) POWERLOCK mit schabrad

cabezal para cepillar, cuerpo en aleación ligera (ergal) POWERLOCK con fresa rasante

p.o. a raboter avec corps en alliage léger (ergal) POWERLOCK avec p.o. araseur

фреза для строгания, корпус из легкого сплава (ergal) POWERLOCK с подрезной фрезой



Cod.	ø D mm	B mm	Z	rpm max	weight kg.
475 10	125	210	2+2	12000	8,870
475 11	125	240	2+2	12000	10,131
475 12	125	270	2+2	8000	11,405
475 13	125	310	2+2	8000	13,094

Cod.		Parti di ricambio Spare Parts	Dimensions mm.
945 E11		Coltello / Knife	15 x 15 x 2,5 R 150
VT M5 x 12,6 torx		Vite / Screw	M5 x 12,6 torx
CH T20 torx		Chiave / Allen key	T20 torx

Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1104 13	145	12	40	2+2	6200 - 10000	0,719

Cod.		Parti di ricambio Spare Parts	Dimensions mm
907 13		Coltello / Knife	12 x 12 x 1,5
943 10		Rasante / Spur	14 x 14 x 2
CU 11		Cuneo / Wedge	11
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M8 x 16		Vite / Screw	M8 x 16
CH T15 torx		Chiave / Allen key	T15 torx
CH T4		Chiave / Allen key	T4

shaped cutterhead -
POWERLOCK steel body
with zigro hss knives

profilmesserkopf,
tragkörper aus stahl
POWERLOCK mit zigro-
messern hss

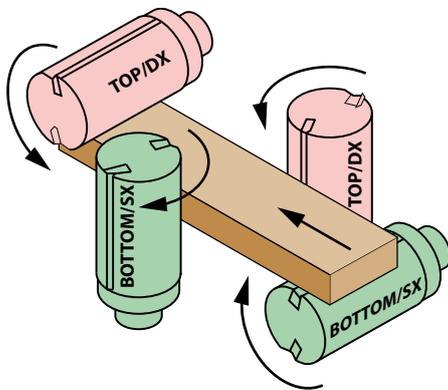
cabezal perfilado porta-
cuchillas, cuerpo en acero
POWERLOCK con cuchillas
zigro en hss

P.O. profilé avec corps en
acier POWERLOCK avec
plaquettes zigro hss

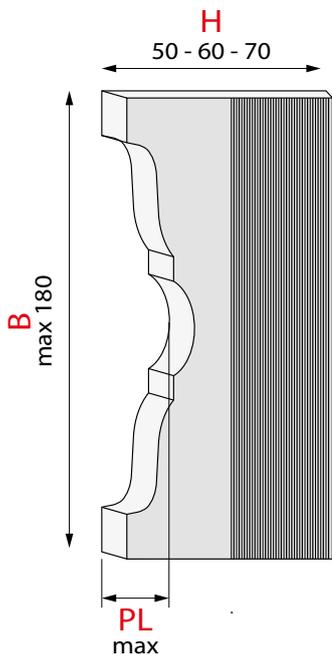
профилированная фреза
с ножами, корпус из стали
POWERLOCK с ножами из
zigro hss



Corpo utensile escluso coltelli.
Tool body without knives.
Werkzeug-körper ohne profilmesser.
Cuerpo de la herramienta sin cuchillo.
Corps de l'outil sans plaquettes.
Тело инструмента без ножей

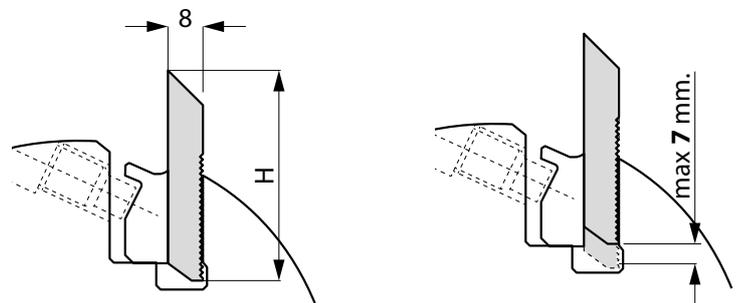


H mm	PL max mm
50	15
60	20
70	30



Angolo di taglio 20° - Cutting angle 20°						
Cod. Bottom/SX	Cod. Top/DX	ø D mm	B mm	Z	rpm max	weight kg.
480 10	480 30	90	40	2	12000	1,940
480 11	480 31	90	60	2	12000	2,910
480 12	480 32	90	80	2	12000	3,880
480 13	480 33	90	100	2	12000	4,850
480 14	480 34	90	130	2	12000	6,305
480 15	480 35	90	150	2	12000	7,275
480 16	480 36	90	170	2	12000	8,246
480 17	480 37	90	210	2	12000	10,186
480 18	480 38	90	240	2	12000	11,641
480 19	480 39	90	270	2	8000	13,096
480 20	480 40	90	40	4	12000	1,940
480 21	480 41	90	60	4	12000	2,910
480 22	480 42	90	80	4	12000	3,880
480 23	480 43	90	100	4	12000	4,850
480 24	480 44	90	130	4	12000	6,305
480 25	480 45	90	150	4	12000	7,275
480 26	480 46	90	170	4	12000	8,246
480 27	480 47	90	210	4	12000	10,186
480 28	480 48	90	240	4	12000	11,641
480 29	480 49	90	270	4	8000	13,096

Cod.		Parti di ricambio Spare Parts	Dimensions L - H - S
CU 39		Cuneo / Wedge	39
CU 59		Cuneo / Wedge	59
CU 79		Cuneo / Wedge	79
CU 99		Cuneo / Wedge	99
CU 129		Cuneo / Wedge	129
CU 149		Cuneo / Wedge	149
CU 169		Cuneo / Wedge	169
CU 209		Cuneo / Wedge	209
CU 239		Cuneo / Wedge	239
CU 269		Cuneo / Wedge	269
VT M8 x 20		Vite / Screw	M8 x 20
CHT4		Chiave / Allen key	T4



Profilatura coltelli a preventivo
Profiling knives on request
Messern profilierung auf anfrage
Perfilado de cuchillas según presupuesto
Profilage de plaquettes suivant devis
Профилирование ножей по предварительной смете

planing, rounding and beveling cutterhead - POWERLOCK wood (ergal) body

hobelkopf zum anfasen und abrunden, tragkörper aus leichtmetall (ergal) POWERLOCK

cabezal para cepillar, biselar y radiar, cuerpo en aleación ligera (ergal) POWERLOCK

p.o. à raboter, chanfreiner et rayonner avec corps en alliage léger (ergal) POWERLOCKS

фреза для строгания, снятия фаски и радиусной обработки из легкого сплава (ergal) POWERLOCK



	Cod. HSS	Cod. HW	ø D mm	B mm	Z	rpm max	weight kg.
Bottom/SX	485 10	485 20	125	130	2+4	12000	5.930
Top/DX	485 11	485 21	125	130	2+4	12000	5.930
Bottom/SX	485 12	485 18	125	165	2+4	12000	7.520
Top/DX	485 13	485 22	125	165	2+4	12000	7.520
Bottom/SX	485 14	485 23	125	235	2+4	12000	10.720
Top/DX	485 15	485 24	125	235	2+4	12000	10.720

NEW

teste con coltelli centrolock a sostituzione rapida con auto-bloccaggio centrifugo

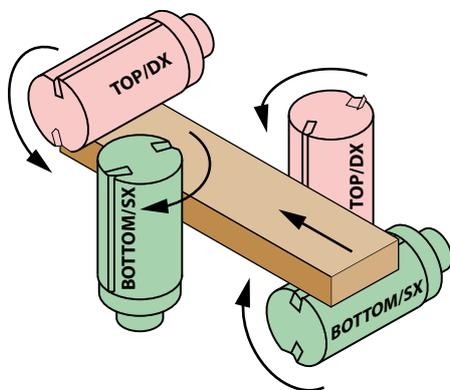
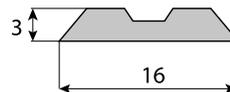
quick-change centrolock knife cutterheads with centrifugal self-blocking.

schnellwechselcentrolock-mes-serköpfe mit zentrifugal-selbstblockierung.

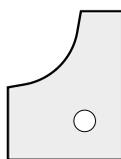
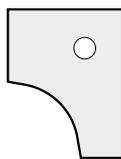
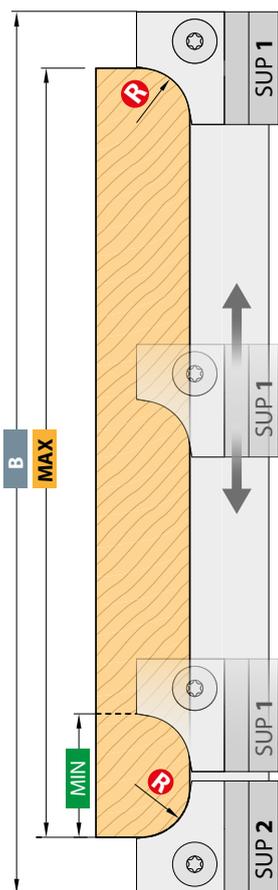
cabezales con cuchillas centrolock de cambio rápido con autobloqueo centrifugo.

porte ouil centrolock a remplacement rapide avec autobloquante centrifuge

Parti di ricambio - Spare Partes				B mm	H mm	S mm
HSS	HW					
485 50	485 60		Coltello / Knife	130	16	3
485 51	485 61		Coltello / Knife	165	16	3
485 52	485 62		Coltello / Knife	235	16	3



Cod.		Parti di ricambio Spare Partes	Rif.	Dimensions mm
CU 129		Cuneo / Wedge		129
CU 164		Cuneo / Wedge		164
CU 234		Cuneo / Wedge		234
SP 485 1		Supporto / Support	SUP 1	25 x 27 x 17
SP 485 2		Supporto / Support	SUP 2	25 x 27 x 17
VT M6 x 12		Vite / Screw	SUP 1-2	M6 x 12
VT M10 x 20		Vite / Screw		M10 x 20
VT M5 x 8 torx		Vite / Screw		M5 x 8 torx
CH T15 torx		Chiave / Allen key		T15 torx
CH T3		Chiave / Allen key		T3
CH T5		Chiave / Allen key		T5



Cod. Ricambi	Spare Partes	B	H	S
HW	R	mm	mm	mm
485 70	3	25	25	2
485 71	4	25	25	2
485 72	5	25	25	2
485 73	6	25	25	2
485 74	7	25	25	2
485 75	8	25	25	2
485 76	9	25	25	2
485 77	10	25	25	2
485 78	12	25	25	2

Cod. Ricambi	Spare Partes	B	H	S
HW	R	mm	mm	mm
485 80	3	25	25	2
485 81	4	25	25	2
485 82	5	25	25	2
485 83	6	25	25	2
485 84	7	25	25	2
485 85	8	25	25	2
485 86	9	25	25	2
485 87	10	25	25	2
485 88	12	25	25	2



Profile R 3...>>>...12 | 45°

Nell'ordine specificare un solo tipo di profilo

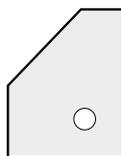
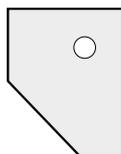
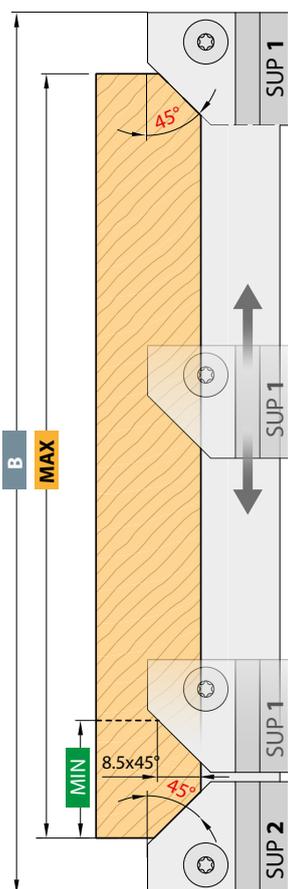
When ordering, specify only one type of profile

Geben Sie bei der Bestellung nur einen Profiltyp an

Lors de la commande, précisez un seul type de profil

Al realizar el pedido, especifique solo un tipo de perfil

При заказе указывайте только один тип профиля



Cod. Ricambi	Spare Partes	B	H	S
HW	α	mm	mm	mm
485 90	45°	25	25	2

Cod. Ricambi	Spare Partes	B	H	S
HW	α	mm	mm	mm
485 91	45°	25	25	2

R	B 130		B 170		B 240		B 310	
	Min	Max	Min	Max	Min	Max	Min	Max
3	20	102	20	142	20	212	20	282
4	22	104	22	144	22	214	22	284
5	22	104	22	144	22	214	22	284
6	23	105	23	145	23	215	23	285
7	23	105	23	145	23	215	23	285
8	24	106	24	146	24	216	24	286
9	24	106	24	146	24	216	24	286
10	25	107	25	147	25	217	25	287
12	25	108	25	148	25	218	25	288
45°	24	106	24	146	24	216	24	286

Art. 1109A

testa per piattabanda multiprofil

multiprofile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

cabezal multiperfil para
platabanda

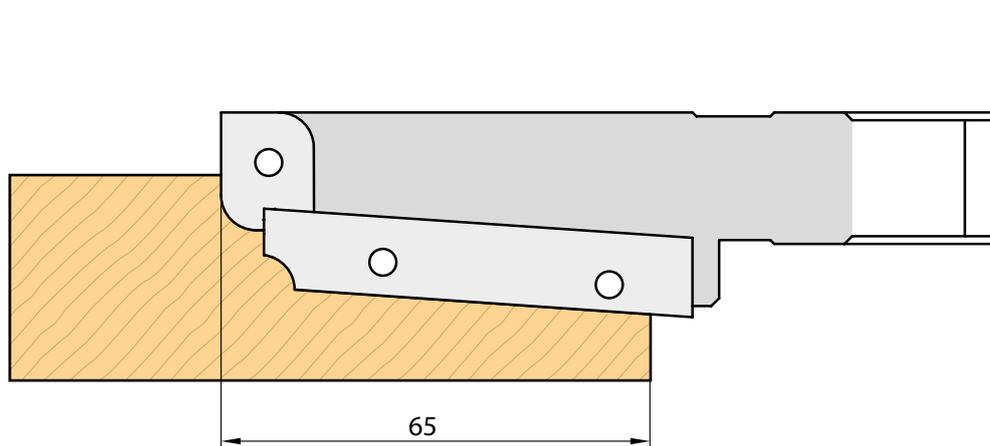
p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилирований

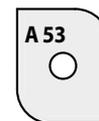
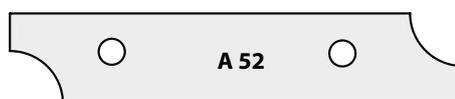


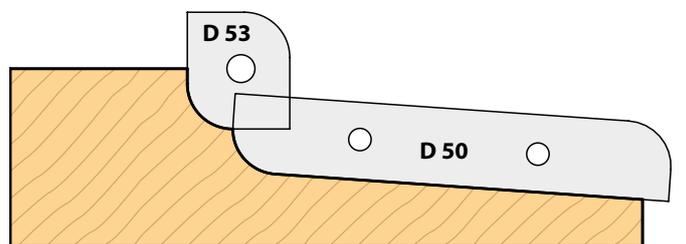
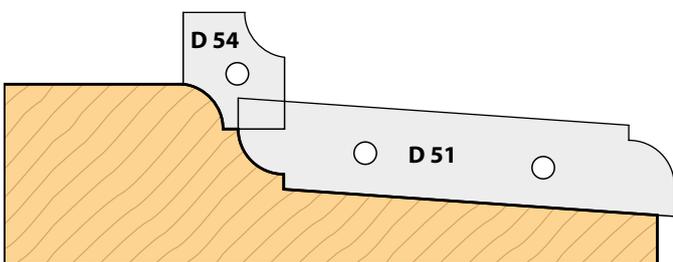
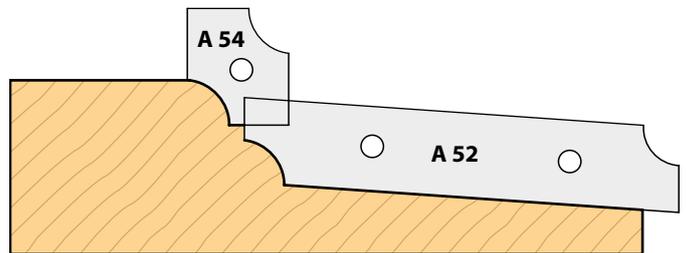
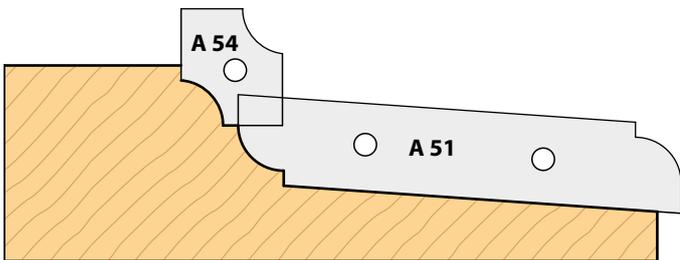
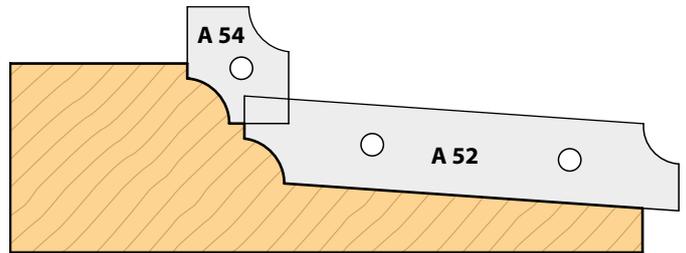
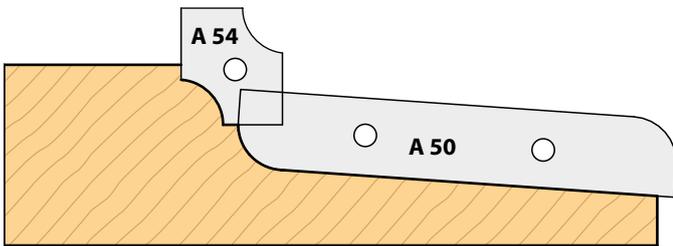
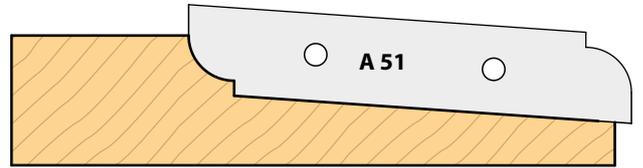
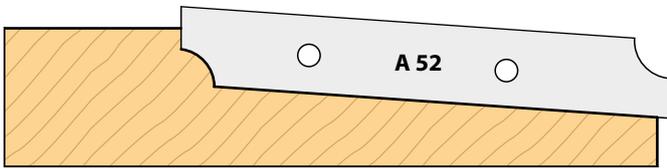
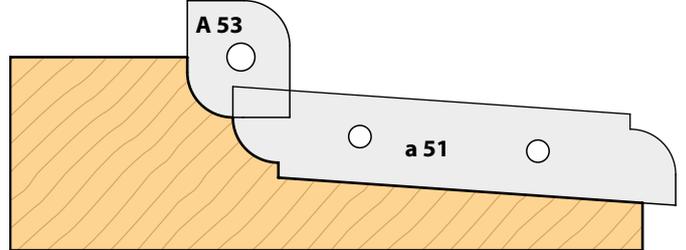
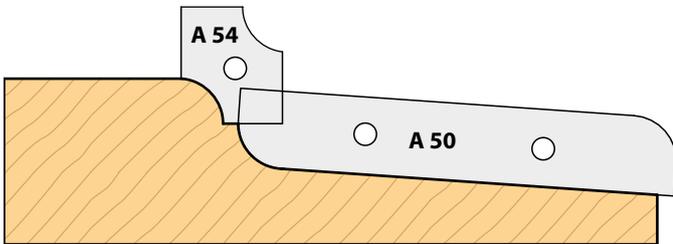
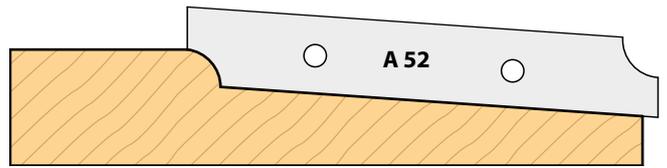
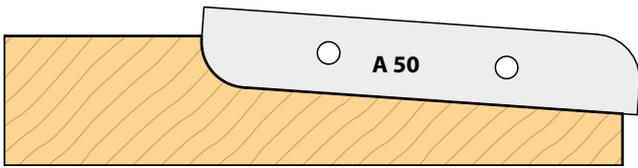
Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1109A 10	200	30	30	2+2	3900 - 6500	7,024
1109A 11	200	30	35	2+2	3900 - 6500	6,966
1109A 12	200	30	40	2+2	3900 - 6500	6,898
1109A 13	200	30	50	2+2	3900 - 6500	6,737

Cod.		Parti di ricambio Spare Parts	Dimensions mm
1109A 50		Coltello / Knife	60 x 12 x 1,5
1109A 51		Coltello / Knife	60 x 12 x 1,5
1109A 52		Coltello / Knife	60 x 12 x 1,5
1109A 53		Coltello / Knife	20 x 12 x 1,5
1109A 54		Coltello / Knife	20 x 12 x 1,5
CU 19		Cuneo / Wedge	19
CU 59		Cuneo / Wedge	59
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4



La testa viene fornita con tutti i coltelli.
Cutterhead is supplied with all knives.
Messerkopf ist mit allen Messern geliefert
El cabezal se suministra con todas las cuchillas.
Le p.o. est fourni avec toutes les plaquettes.
фреза в комплекте со всеми ножами.





Art. 1109B

testa per piattabanda multiprofil

multiprofile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

cabezal multiperfil para
platabanda

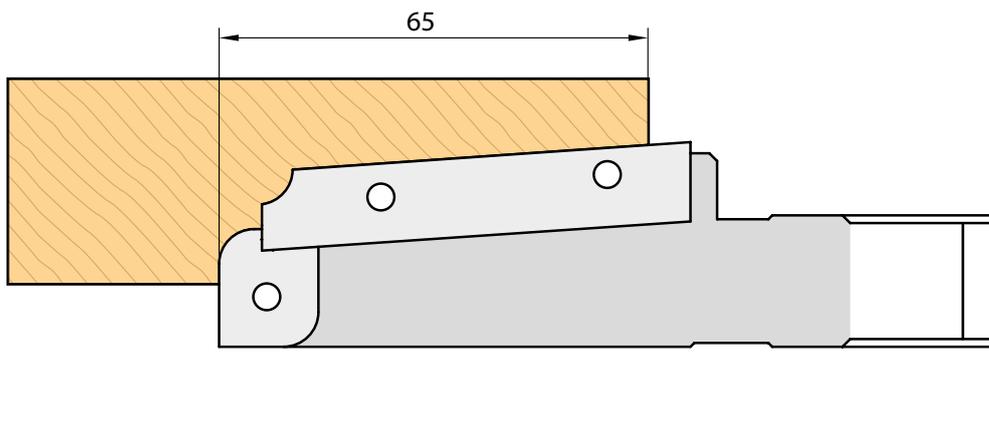
p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилирований

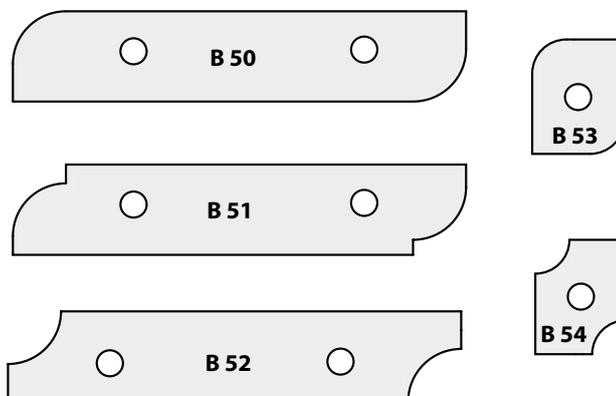


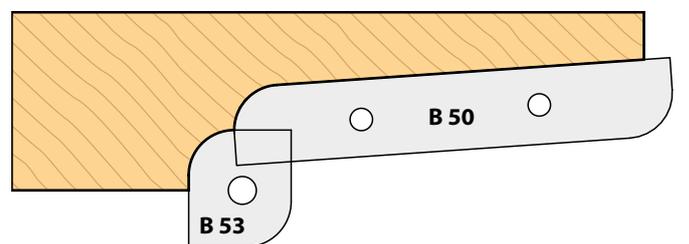
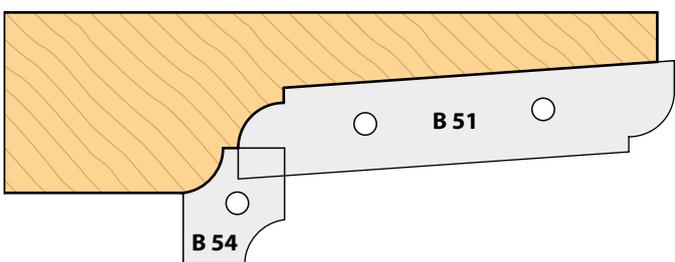
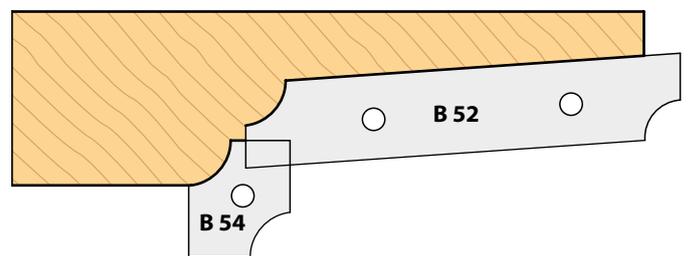
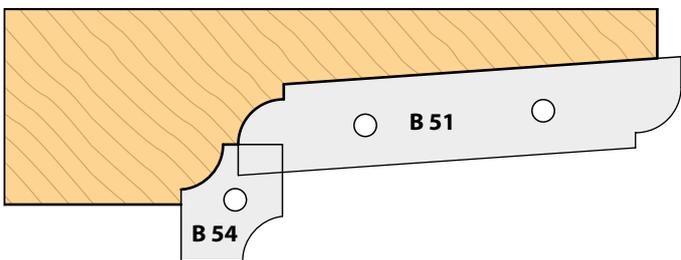
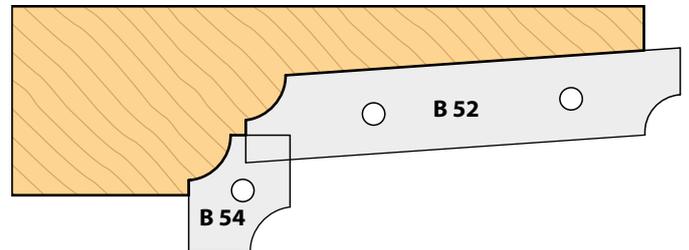
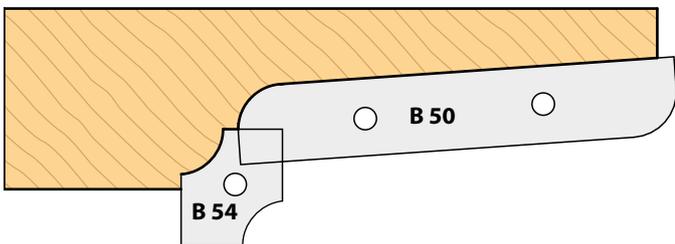
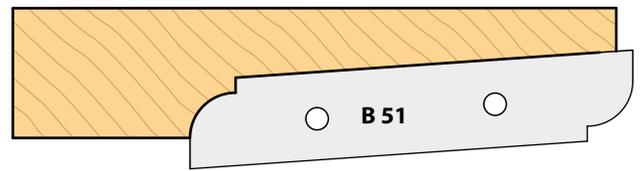
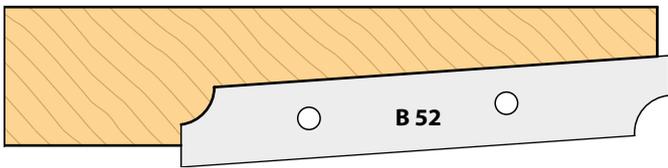
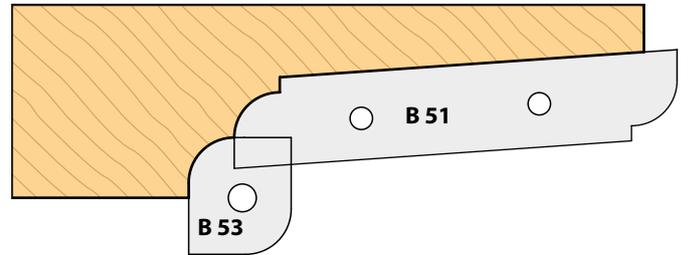
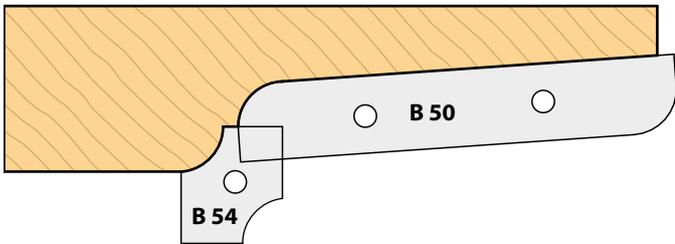
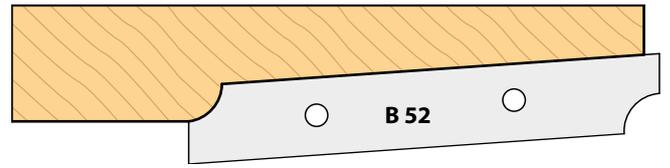
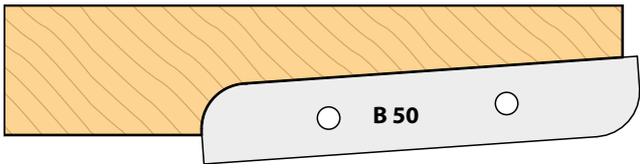
Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1109B 10	200	30	30	2+2	3900 - 6500	7,024
1109B 11	200	30	35	2+2	3900 - 6500	6,966
1109B 12	200	30	40	2+2	3900 - 6500	6,898
1109B 13	200	30	50	2+2	3900 - 6500	6,737

Cod.		Parti di ricambio Spare Parts	Dimensions mm
1109B 50		Coltello / Knife	60 x 12 x 1,5
1109B 51		Coltello / Knife	60 x 12 x 1,5
1109B 52		Coltello / Knife	60 x 12 x 1,5
1109B 53		Coltello / Knife	20 x 12 x 1,5
1109B 54		Coltello / Knife	20 x 12 x 1,5
CU 19		Cuneo / Wedge	19
CU 59		Cuneo / Wedge	59
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4



La testa viene fornita con tutti i coltelli.
Cutterhead is supplied with all knives.
Messerkopf ist mit allen Messern geliefert
El cabezal se suministra con todas las cuchillas.
Le p.o. est fourni avec toutes les plaquettes.
фреза в комплекте со всеми ножами.





Art. 2021A

testa per piattabanda multiprofil

multi-profile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

cabezal multiperfil para
platabanda

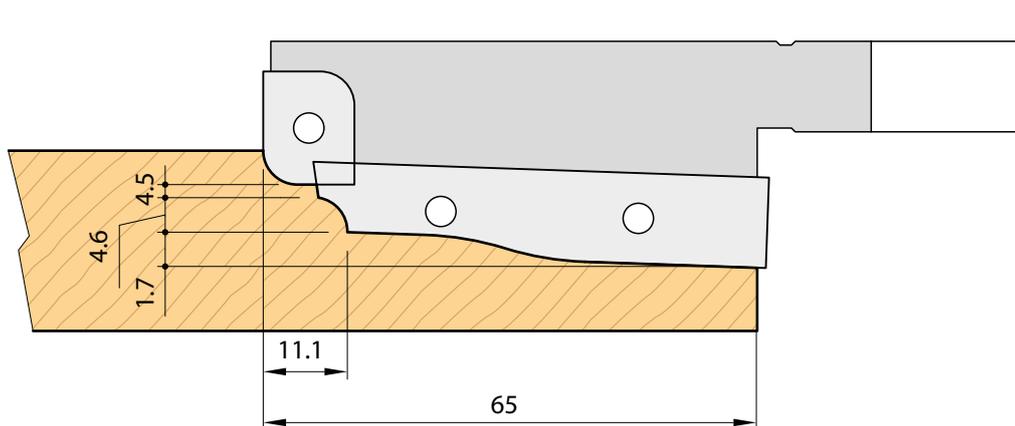
p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилирований



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2021A 10	200	30	30	2+2	3900 - 6500	7,024
2021A 11	200	30	35	2+2	3900 - 6500	6,966
2021A 12	200	30	40	2+2	3900 - 6500	6,898
2021A 13	200	30	50	2+2	3900 - 6500	6,737

Cod.		Parti di ricambio Spare Parts	Dimensions mm
2021A 50		Coltello / Knife	60 x 12 x 1,5
2021A 51		Coltello / Knife	60 x 12 x 1,5
2021A 52		Coltello / Knife	60 x 12 x 1,5
2021A 53		Coltello / Knife	20 x 12 x 1,5
2021A 54		Coltello / Knife	20 x 12 x 1,5
CU 19		Cuneo / Wedge	19
CU 59		Cuneo / Wedge	59
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4



La testa viene fornita con tutti i coltelli.
Cutterhead is supplied with all knives.
Messerkopf ist mit allen Messern geliefert
El cabezal se suministra con todas las cuchillas.
Le p.o. est fourni avec toutes les plaquettes.
фреза в комплекте со всеми ножами.



multiprofile plateband cutterhead

Multiprofil Abplatt messerkopf

cabezal multiperfil para platabanda

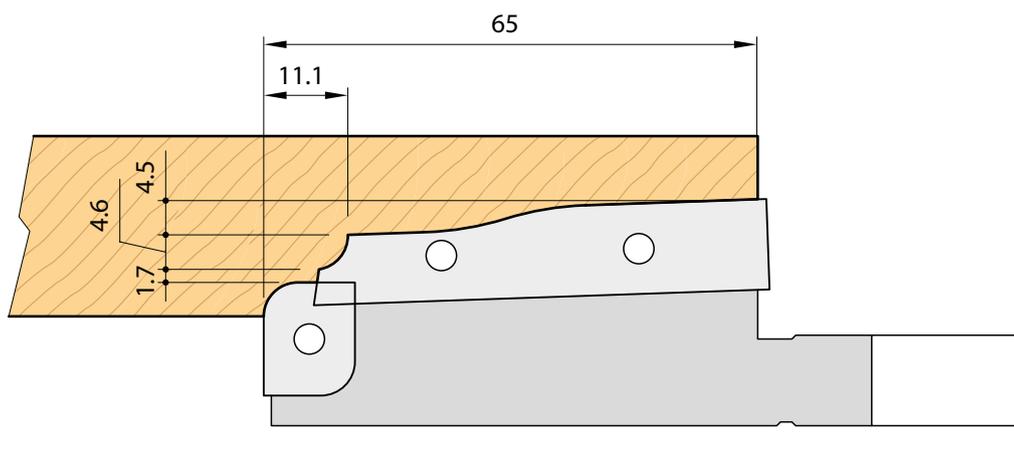
p.o. pour plate bandes multiprofiles

фреза для наличников разных профилированных



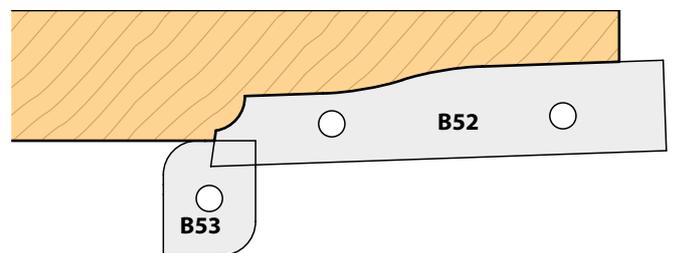
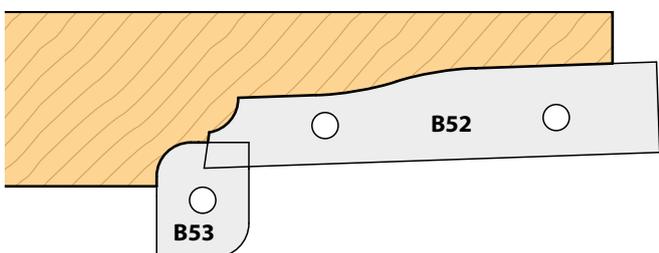
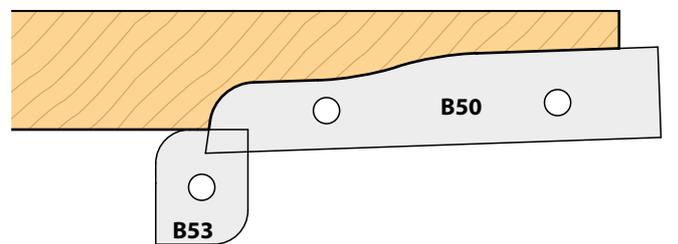
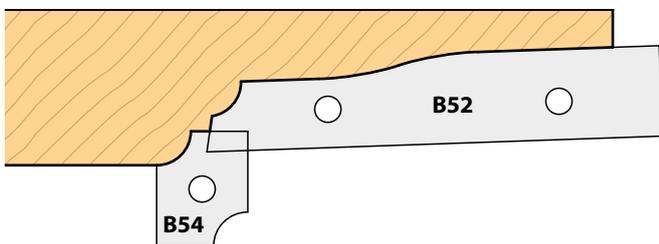
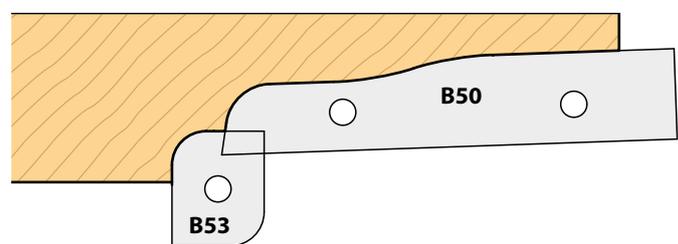
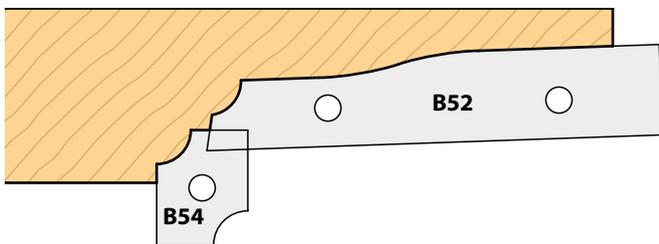
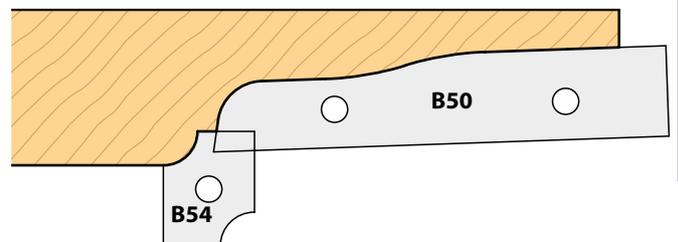
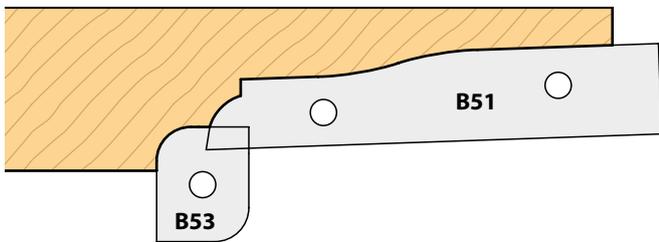
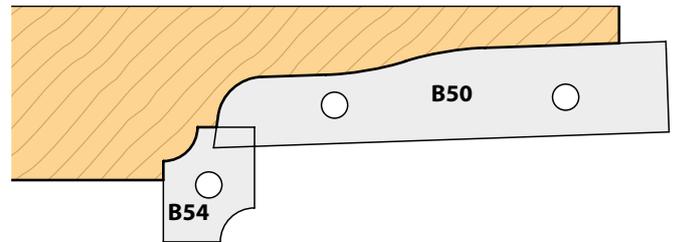
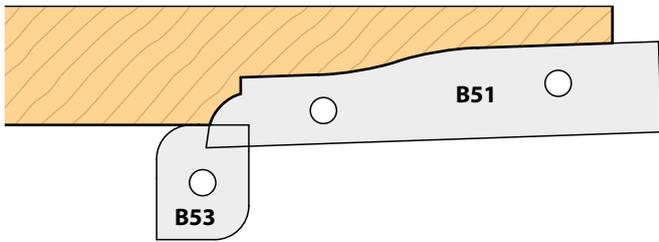
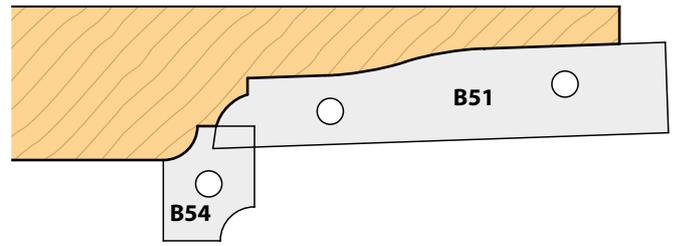
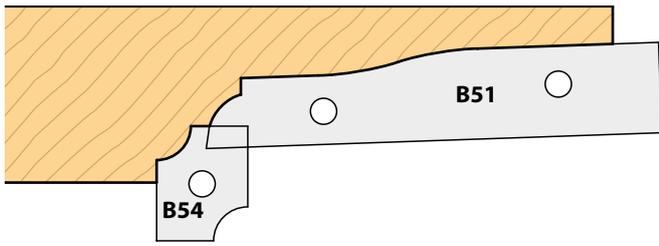
Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2021B 10	200	30	30	2+2	3900 - 6500	7,024
2021B 11	200	30	35	2+2	3900 - 6500	6,966
2021B 12	200	30	40	2+2	3900 - 6500	6,898
2021B 13	200	30	50	2+2	3900 - 6500	6,737

Cod.		Parti di ricambio Spare Parts	Dimensions mm
2021B 50		Coltello / Knife	60 x 12 x 1,5
2021B 51		Coltello / Knife	60 x 12 x 1,5
2021B 52		Coltello / Knife	60 x 12 x 1,5
2021B 53		Coltello / Knife	20 x 12 x 1,5
2021B 54		Coltello / Knife	20 x 12 x 1,5
CU 19		Cuneo / Wedge	19
CU 59		Cuneo / Wedge	59
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4



La testa viene fornita con tutti i coltelli.
Cutterhead is supplied with all knives.
Messerkopf ist mit allen Messern geliefert
El cabezal se suministra con todas las cuchillas.
Le p.o. est fourni avec toutes les plaquettes.
фреза в комплекте со всеми ножами.





multiprofile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

cabezal multiperfil para
platabanda

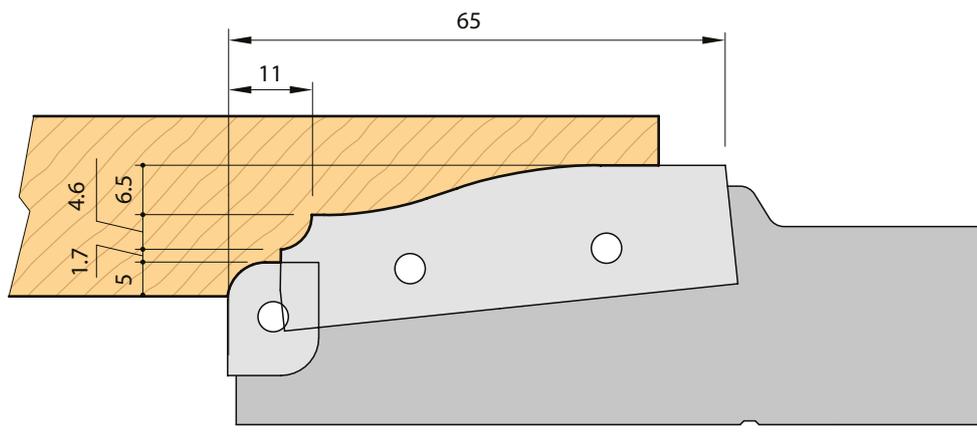
p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилированных

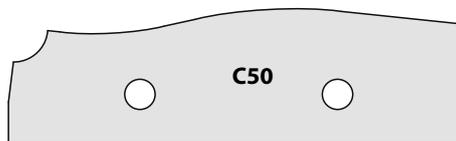


Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2021C 10	200	35	30	2+2	3900 - 6500	8,195
2021C 11	200	35	35	2+2	3900 - 6500	8,127
2021C 12	200	35	40	2+2	3900 - 6500	8,048
2021C 13	200	35	50	2+2	3900 - 6500	7,859

Cod.		Parti di ricambio Spare Parts	Dimensions mm
2021C 50		Coltello / Knife	60 x 20 x 2
2021C 51		Coltello / Knife	60 x 20 x 2
2021C 52		Coltello / Knife	60 x 20 x 2
2021C 53		Coltello / Knife	20 x 12 x 1,5
2021C 54		Coltello / Knife	20 x 12 x 1,5
CU 19		Cuneo / Wedge	19
CU 59		Cuneo / Wedge	59
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT3		Chiave / Allen key	T3
CHT4		Chiave / Allen key	T4



La testa viene fornita con tutti i coltelli.
Cutterhead is supplied with all knives.
Messerkopf ist mit allen Messern geliefert
El cabezal se suministra con todas las cuchillas.
Le p.o. est fourni avec toutes les plaquettes.
фреза в комплекте со всеми ножами.



plateband cutterhead for inclined profile

Abplattfräserkopf schräges Profil

Cabezal para platabanda perfil inclinado

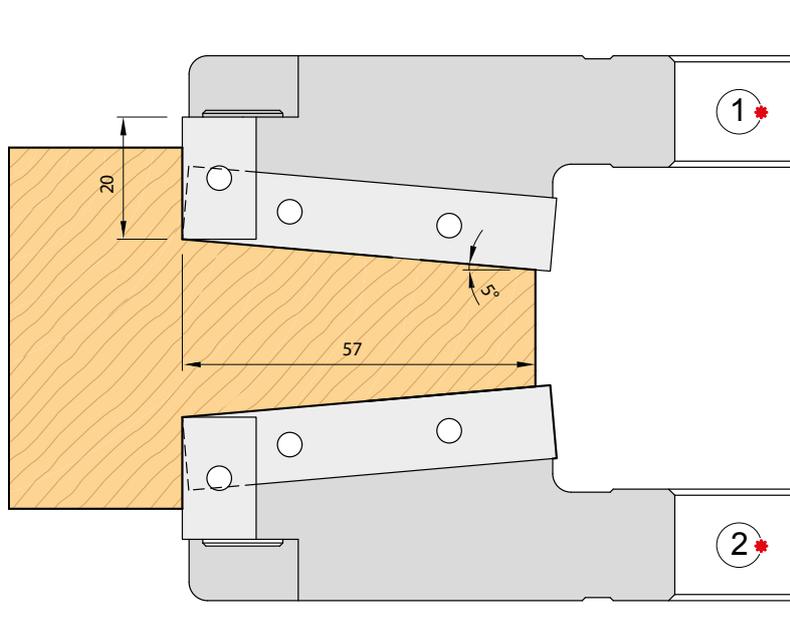
Mèche pour platebande avec profil incliné

Фреза для филенки с профилем под наклоном



Cod.		ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2049 10	1	200	25	30	2+2	3900 - 6500	5,853
2049 11	1	200	25	35	2+2	3900 - 6500	5,805
2049 12	1	200	25	40	2+2	3900 - 6500	5,749
2049 13	1	200	25	50	2+2	3900 - 6500	5,614
2049 14	2	200	25	30	2+2	3900 - 6500	5,853
2049 15	2	200	25	35	2+2	3900 - 6500	5,805
2049 16	2	200	25	40	2+2	3900 - 6500	5,749
2049 17	2	200	25	50	2+2	3900 - 6500	5,614

Cod.		Parti di ricambio Spare Parts		Dimensions mm
907 22		Coltello / Knife	1-2	60 x 12 x 1,5
907 15		Coltello / Knife	1-2	20 x 12 x 1,5
CU 19		Cuneo / Wedge	1-2	19
CU 59		Cuneo / Wedge	1-2	59
OG M8		Ogiva / Nut	1-2	M8
VT M8 - M6		Vite / Screw	1-2	M8 - M6
CH T4		Chiave / Allen key		T4



multiprofile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

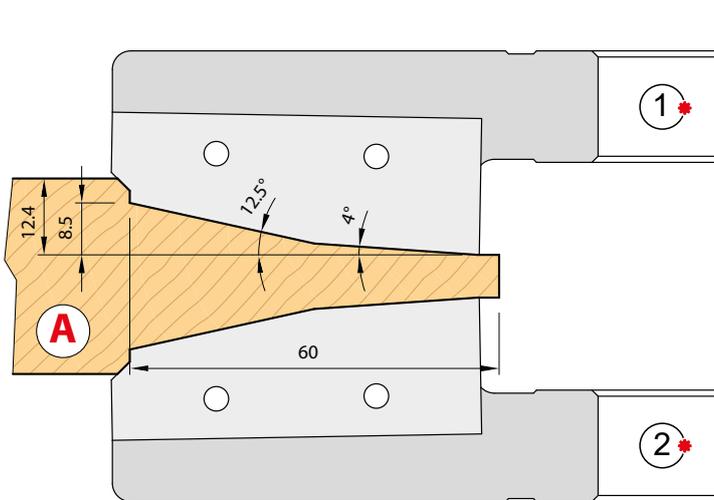
cabezal multiperfil para
platabanda

p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилирований



Profile A-B-C-D-E	•	∅ D	B	∅ d	Z	rpm	weight
Cod.		mm	mm	mm		min/max	
2070 10	1	200	40	30	4	8,979	8,979
2070 11	1	200	40	35	4	8,904	8,904
2070 12	1	200	40	40	4	8,818	8,818
2070 13	1	200	40	50	4	8,612	8,612
2070 14	2	200	40	30	4	8,979	8,979
2070 15	2	200	40	35	4	8,904	8,904
2070 16	2	200	40	40	4	8,818	8,818
2070 17	2	200	40	50	4	8,612	8,612



Cod.	Parti di ricambio Spare Parts	•	Rif. Profile	Dimensions mm
2070 50	Coltello / Knife	1	A	60 x 20 x 2
2070 51	Coltello / Knife	1	B	60 x 20 x 2
2070 52	Coltello / Knife	1	C	60 x 20 x 2
2070 53	Coltello / Knife	1	D	60 x 20 x 2
2070 54	Coltello / Knife	1	E	60 x 20 x 2
2070 55	Coltello / Knife	2	A	60 x 20 x 2
2070 56	Coltello / Knife	2	B	60 x 20 x 2
2070 57	Coltello / Knife	2	C	60 x 20 x 2
2070 58	Coltello / Knife	2	D	60 x 20 x 2
2070 59	Coltello / Knife	2	E	60 x 20 x 2
CU 59	Cuneo / Wedge	1-2		59
OG M8	Ogiva / Nut			M8
VT M8 - M6	Vite / Screw			M8 - M6
CHT4	Chiave / Allen key			T4



Profile A-B-C-D-E

Nell'ordine specificare un solo tipo di profilo

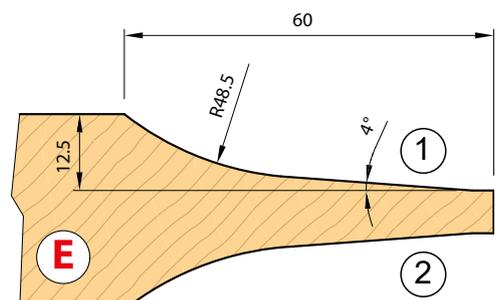
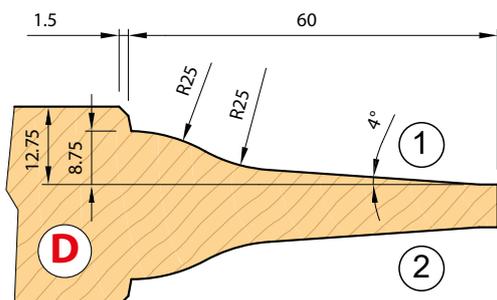
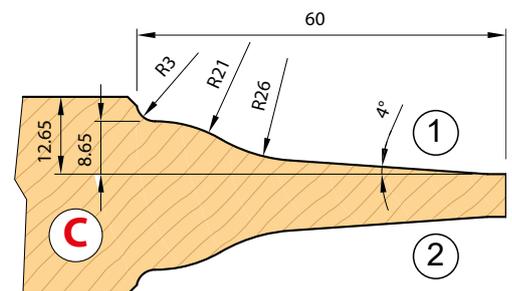
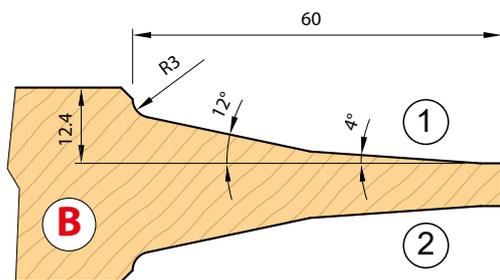
When ordering, specify only one type of profile

Geben Sie bei der Bestellung nur einen Profiltyp an

Lors de la commande, précisez un seul type de profil

Al realizar el pedido, especifique solo un tipo de perfil

При заказе указывайте только один тип профиля



multiprofile plateband cut-
terhead

Multiprofil Abplatt
messerkopf

cabezal multiperfil para
platabanda

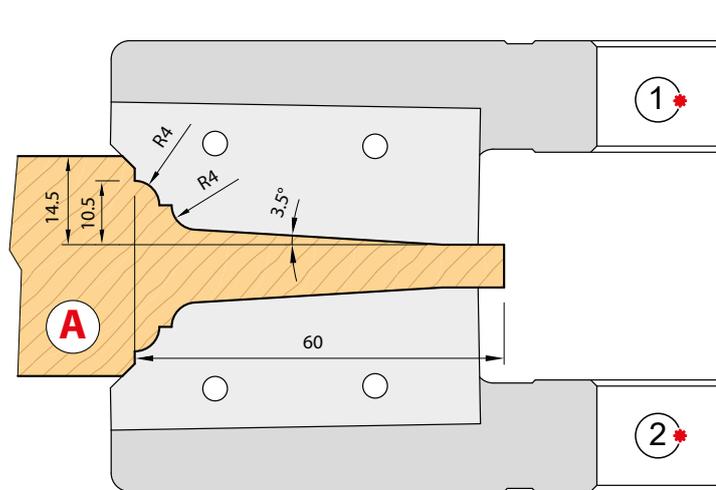
p.o. pour plate bandes
multiprofiles

фреза для наличников
разных профилирований



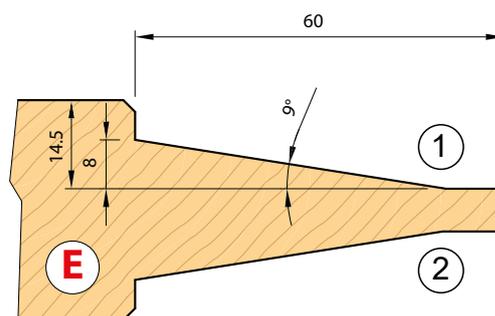
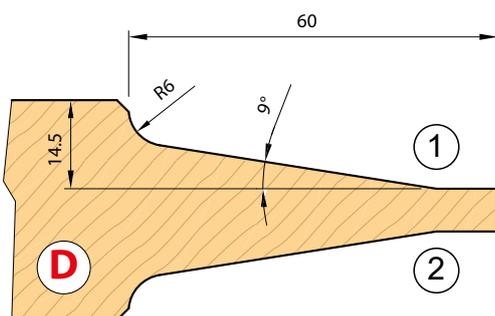
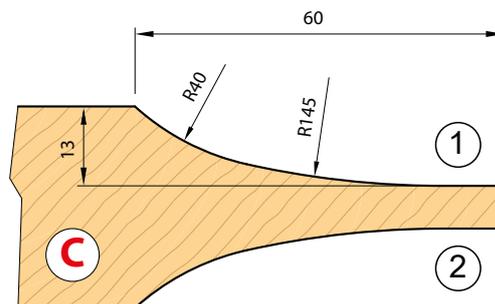
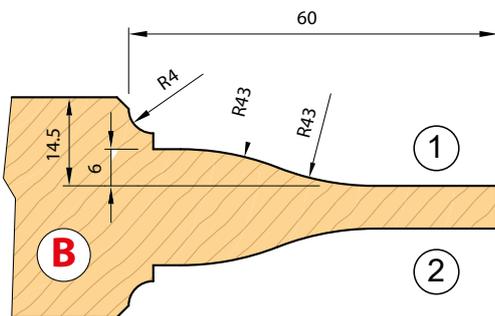
Profile A-B-C-D-E	•	ø D	B	ø d	Z	rpm	weight
Cod.		mm	mm	mm		min/max	kg.
2051 10	1	200	40	30	4	3900 - 6500	8,979
2051 11	1	200	40	35	4	3900 - 6500	8,904
2051 12	1	200	40	40	4	3900 - 6500	8,818
2051 13	1	200	40	50	4	3900 - 6500	8,612
2051 14	2	200	40	30	4	3900 - 6500	8,979
2051 15	2	200	40	35	4	3900 - 6500	8,904
2051 16	2	200	40	40	4	3900 - 6500	8,818
2051 17	2	200	40	50	4	3900 - 6500	8,612

Cod.	Parti di ricambio	•	Rif.	Dimensions
	Spare Parts		Profile	mm
2051 50	Coltello / Knife	1	A	60 x 30 x 2
2051 51	Coltello / Knife	1	B	60 x 25 x 2
2051 52	Coltello / Knife	1	C	60 x 25 x 2
2051 53	Coltello / Knife	1	D	60 x 25 x 2
2051 54	Coltello / Knife	1	E	60 x 25 x 2
2051 55	Coltello / Knife	2	A	60 x 30 x 2
2051 56	Coltello / Knife	2	B	60 x 25 x 2
2051 57	Coltello / Knife	2	C	60 x 25 x 2
2051 58	Coltello / Knife	2	D	60 x 25 x 2
2051 59	Cuneo / Wedge	1-2	E	60 x 25 x 2
OG M8	Ogiva / Nut			M8
VT M8 - M6	Vite / Screw			M8 - M6
CHT4	Chiave / Allen key			T4



Profile A-B-C-D-E

Nell'ordine specificare un solo tipo di profilo
When ordering, specify only one type of profile
Geben Sie bei der Bestellung nur einen Profiltyp an
Lors de la commande, précisez un seul type de profil
Al realizar el pedido, especifique solo un tipo de perfil
При заказе указывайте только один тип профиля



Art. 1102

testa per giunzione 45°

cutterhead for joint

MesserKopf für Verbindungen

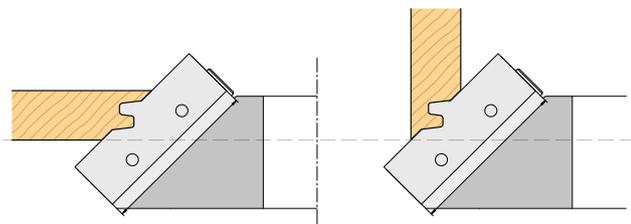
cabezal para junta

p.o. pour aboutage

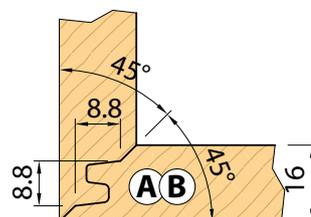
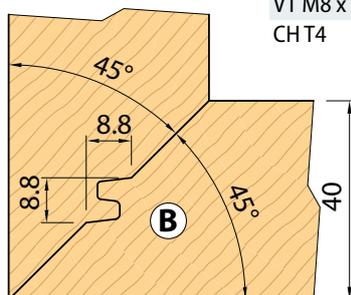
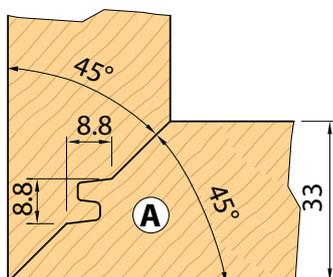
комплект фрез для сращиваний под



Cod.	ø D mm	B mm	ø d mm	Rif.	Z	rpm min/max	weight kg.
1102 10	152	50	30	A	2	4300 - 7300	5,346
1102 11	157	50	35	A	2	4300 - 7300	5,639
1102 12	162	50	40	A	2	4300 - 7300	5,933
1102 13	172	50	50	A	2	4300 - 7300	6,521
1102 14	165	60	30	B	2	4300 - 7300	7,605
1102 15	170	60	35	B	2	4300 - 7300	7,996
1102 16	175	60	40	B	2	4300 - 7300	8,386
1102 17	185	60	50	B	2	4300 - 7300	9,166



Cod.		Parti di ricambio Spare Parts	Rif.	Dimensions mm
1102 50		Coltello / Knife	A	50 x 25 x 2
1102 51		Coltello / Knife	B	60 x 25 x 2
CU 49		Cuneo / Wedge	A	49
CU 59		Cuneo / Wedge	B	59
VT M8 x 16		Vite / Screw		M8 x 16
CHT4		Chiave / Allen key		T4



Art. 1108

testa per giunzione 45°

cutterhead for joint

MesserKopf für Verbindungen

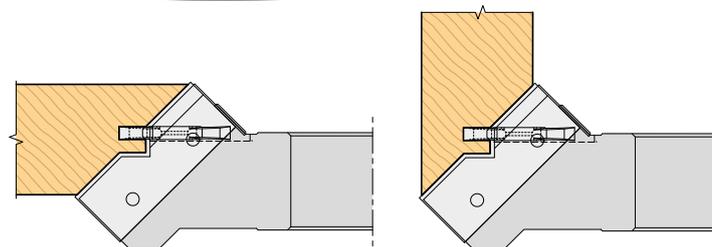
cabezal para junta

p.o. pour aboutage

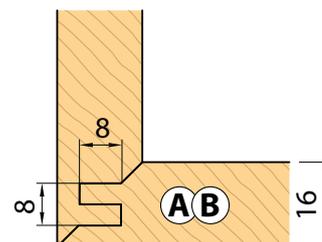
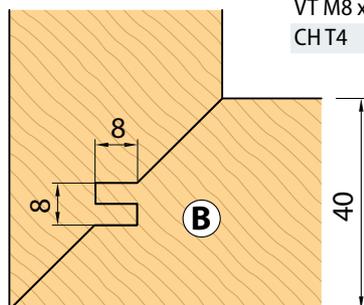
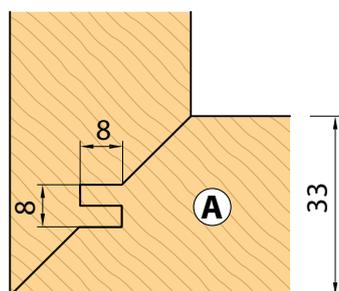
комплект фрез для сращиваний под



Cod.	ø D mm	B mm	ø d mm	Rif.	Z	rpm min/max	weight kg.
1108 10	152	50	30	A	2	4300 - 7300	5,346
1108 11	157	50	35	A	2	4300 - 7300	5,639
1108 12	162	50	40	A	2	4300 - 7300	5,933
1108 13	172	50	50	A	2	4300 - 7300	6,521
1108 14	165	60	30	B	2	4300 - 7300	7,605
1108 15	170	60	35	B	2	4300 - 7300	7,996
1108 16	175	60	40	B	2	4300 - 7300	8,386
1108 17	185	60	50	B	2	4300 - 7300	9,166



Cod.		Parti di ricambio Spare Parts	Rif.	Dimensions mm
1108 50		Coltello / Knife	A	50 x 25 x 2
1108 51		Coltello / Knife	B	60 x 25 x 2
945 D11		Inserto / Grooving insert	A-B	25 x 20 x 4
CU 49		Cuneo / Wedge	A	49
CU 59		Cuneo / Wedge	B	59
VT M8 x 16		Vite / Screw		M8 x 16
CHT4		Chiave / Allen key		T4



Art. 358

testa per giunzione 22,5°

cutterhead for joint 22,5°

MesserKopf für Verbindungen 22,5°

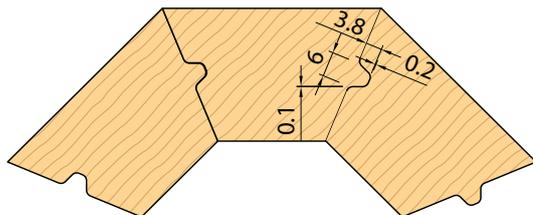
cabezal para junta a 22,5°

p.o. pour aboutage à 22,5°

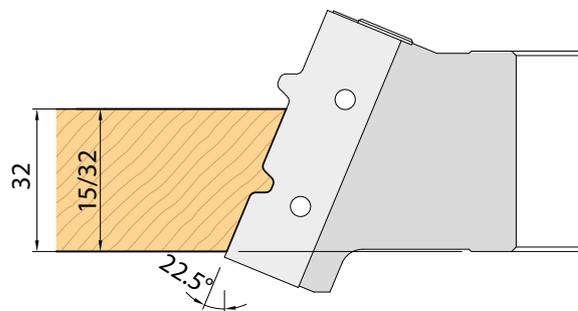
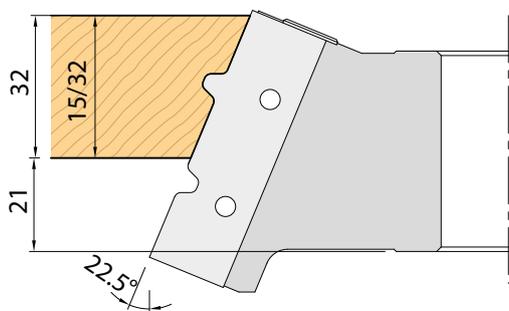
комплект фрез для сращиваний под 22,5°



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
358 10	150	60	30	2	5500 - 8000	6,560
358 11	155	60	35	2	5500 - 8000	6,925
358 12	160	60	40	2	5500 - 8000	7,289
358 13	170	60	50	2	5500 - 8000	8,018



Cod.		Parti di ricambio Spare Parts	Dimensions mm
358 50		Coltello / Knife	60 x 20 x 2
CU 59		Cuneo / Wedge	59
VT M8 x 16		Vite / Screw	M8 x 16
CHT4		Chiave / Allen key	T4



Art. 1106

testa per giunzione

cutterhead for joint

MesserKopf für Verbindungen

cabezal para junta

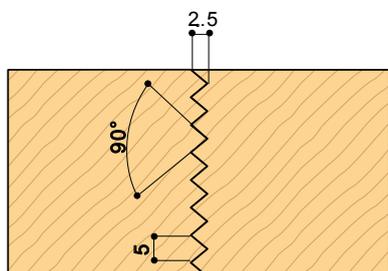
p.o. pour aboutage

комплект фрез для сращиваний под



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1106 11	125	60	30	2	6200 - 10000	5,236
1106 12	125	60	35	2	6200 - 10000	5,120
1106 13	125	60	40	2	6200 - 10000	4,987
1106 14	125	60	50	2	6200 - 10000	4,667
1106 15	125	80	30	2	6200 - 10000	6,981
1106 16	125	80	35	2	6200 - 10000	6,827
1106 17	125	80	40	2	6200 - 10000	6,649
1106 18	125	80	50	2	6200 - 10000	6,223

Cod.		Parti di ricambio Spare Parts	Dimensions mm
1106 50		Coltello / Knife	60 x 20 x 2
1106 51		Coltello / Knife	80 x 20 x 2
CU 59		Cuneo / Wedge	59
CU 79		Cuneo / Wedge	79
VT M8 x 16		Vite / Screw	M8 x 16
CHT4		Chiave / Allen key	T4



Spess. 2,5

Art. 2005

gruppo di teste per giunzioni 45°

set of cutterheads for joint 45°

Messerkopfsatz für Verbindungen 45°

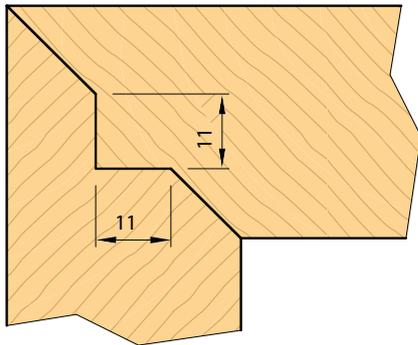
juego de cabezales para juntas a 45°

groupe de p.o. pour aboutage à 45°

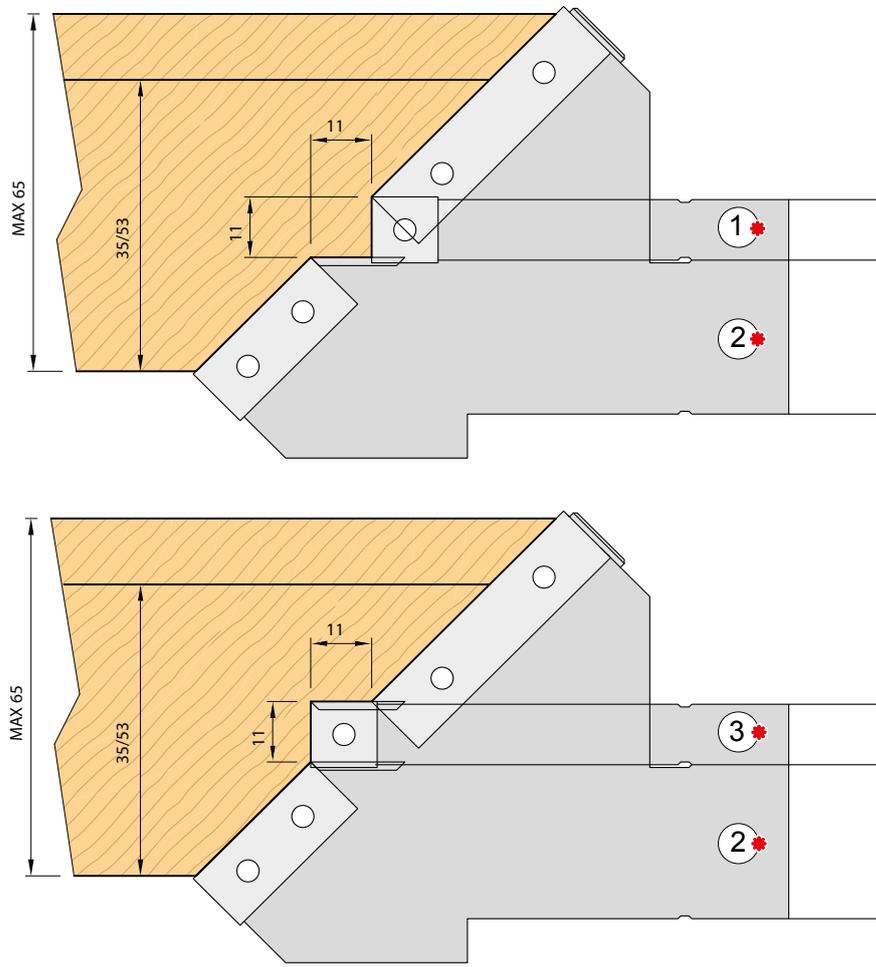
комплект фрез для сращиваний под 45°



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2005 10	254	70	30	3	3500 - 5400	21,442
2005 11	254	70	35	3	3500 - 5400	21,333
2005 12	254	70	40	3	3500 - 5400	21,206
2005 13	254	70	50	3	3500 - 5400	20,903



Cod.		Parti di ricambio Spare Parts	•	Dimensions mm
907 13		Coltello / Knife	1-3	12 x 12 x 1,5
907 18		Coltello / Knife	2	30 x 12 x 1,5
907 20		Coltello / Knife	2	50 x 12 x 1,5
943 10		Rasante / Spur	2-3	14 x 14 x 2
CU 11		Cuneo / Wedge	1-3	11
CU 29		Cuneo / Wedge	2	29
CU 49		Cuneo / Wedge	2	49
OG M8		Ogiva / Nut		M8
VT M5 x 7 torx		Vite / Screw	2-3	M5 x 7 torx
VT M8 - M6		Vite / Screw	1-2-3	M8 - M6
CHT3		Chiave / Allen key		T3
CHT4		Chiave / Allen key		T4
CHT15 torx		Chiave / Allen key		T15 torx



cutterhead for joint

MesserKopf für Verbindungen

cabezal para junta

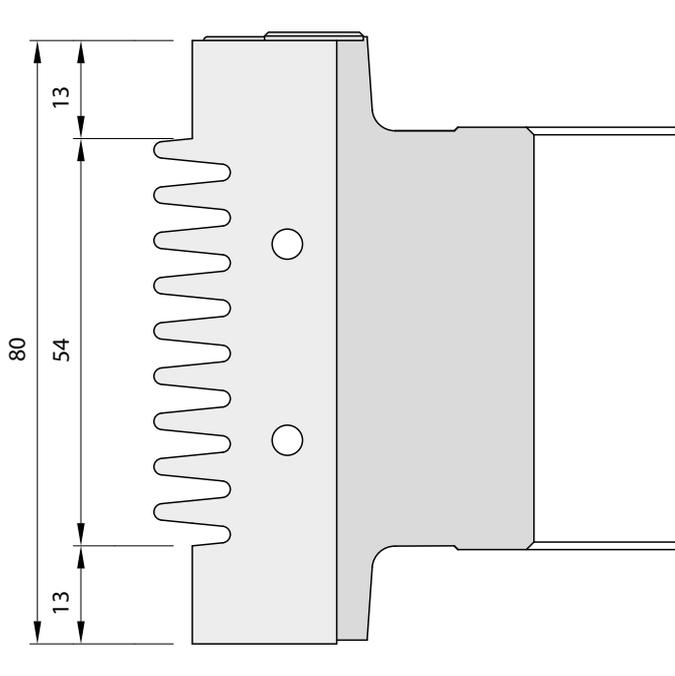
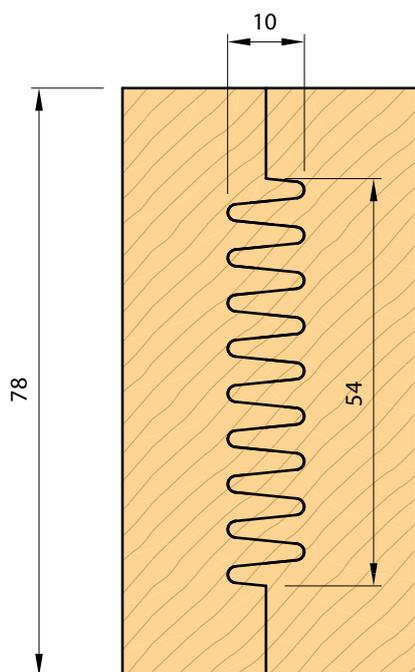
p.o. pour aboutage

комплект фрез для сращиваний под



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
356 10	140	80	30	2	4800 - 8300	8,773
356 11	140	80	35	2	4800 - 8300	8,621
356 12	140	80	40	2	4800 - 8300	8,445
356 13	140	80	50	2	4800 - 8300	8,023

Cod.		Parti di ricambio Spare Parts	Dimensions mm
356 50		Coltello / Knife	80 x 25 x 2
CU 79		Cuneo / Wedge	79
VT M8 x 16		Vite / Screw	M8 x 16
CH T4		Chiave / Allen key	T4



Art. 716

testa per giunzione a spessore regolabile

adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

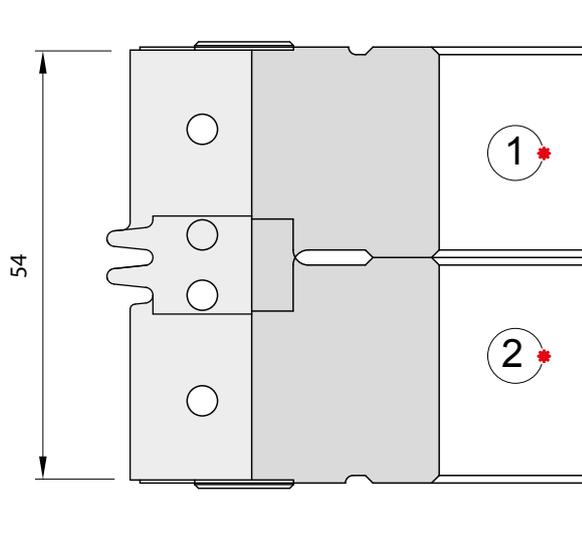
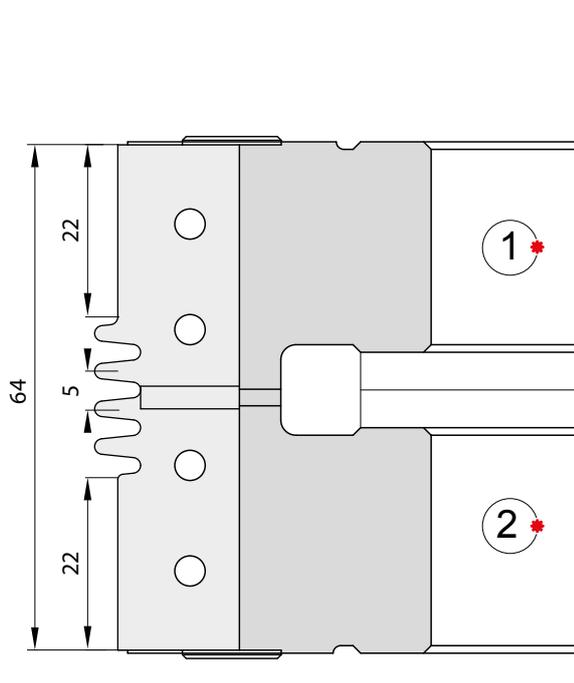
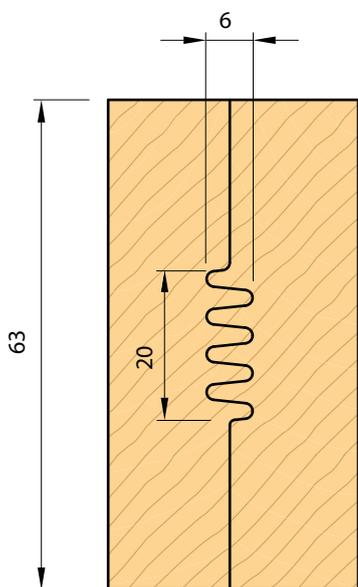
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
716 10	140	64	30	2	5100 - 8800	6,871
716 11	140	64	35	2	5100 - 8800	6,752
716 12	140	64	40	2	5100 - 8800	6,614
716 13	140	64	50	2	5100 - 8800	6,283

Cod.	Parti di ricambio Spare Parts	Quantità	Dimensions mm
716 50	Coltello / Knife	1	35 x 20 x 2
716 51	Coltello / Knife	2	35 x 20 x 2
CU 34	Cuneo / Wedge	1-2	34
VT M8 x 16	Vite / Screw	1-2	M8 x 16
CHT4	Chiave / Allen key		T4



Art. 717

testa per giunzione a spessore regolabile

adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

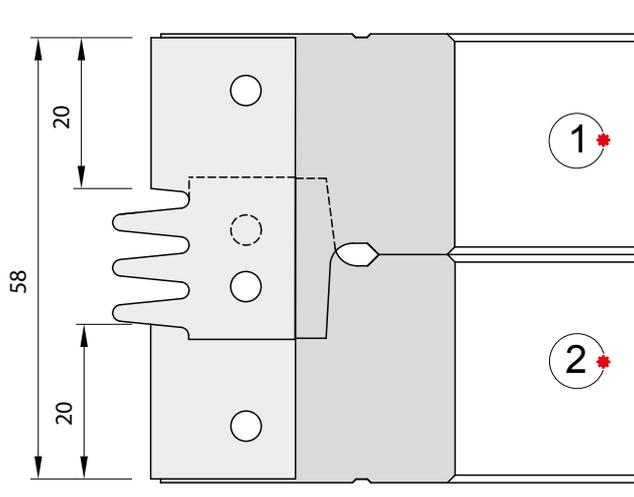
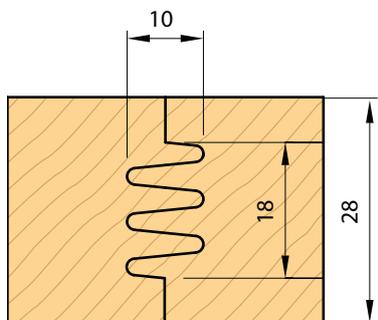
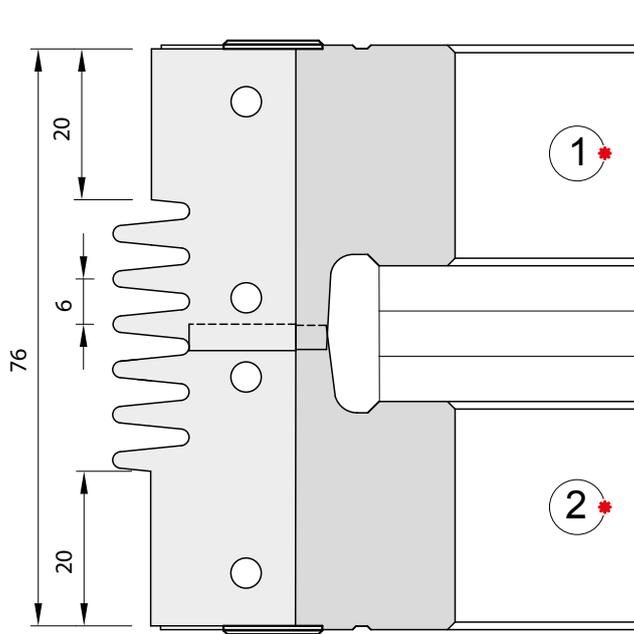
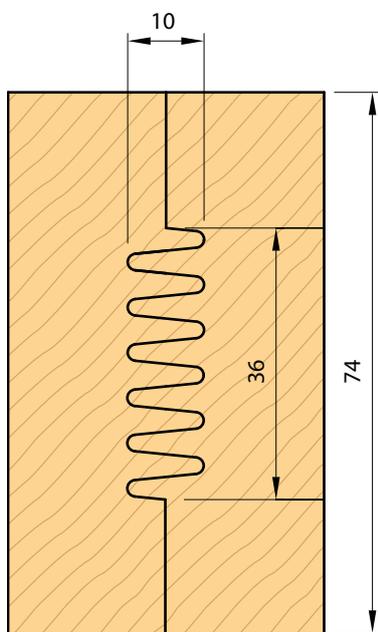
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
717 10	140	76	30	2	5100 - 8800	8,159
717 11	140	76	35	2	5100 - 8800	8,017
717 12	140	76	40	2	5100 - 8800	7,854
717 13	140	76	50	2	5100 - 8800	7,461

Cod.	Parti di ricambio Spare Parts	Quantità	Dimensions mm
717 50	Coltello / Knife	1	40 x 25 x 2
717 51	Coltello / Knife	2	40 x 25 x 2
CU 39	Cuneo / Wedge	1-2	39
VT M8 x 16	Vite / Screw	1-2	M8 x 16
CH T4	Chiave / Allen key		T4



Art. 718

testa per giunzione a spessore regolabile

adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

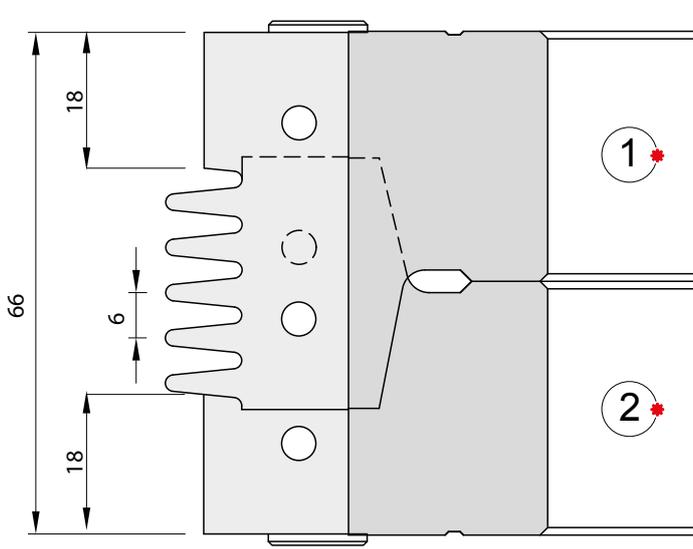
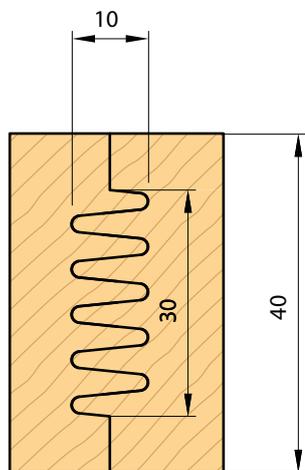
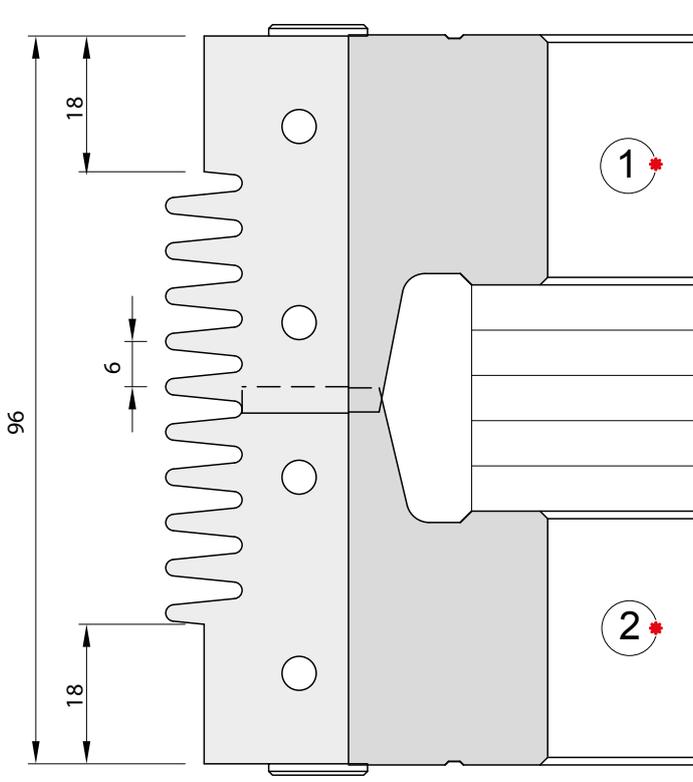
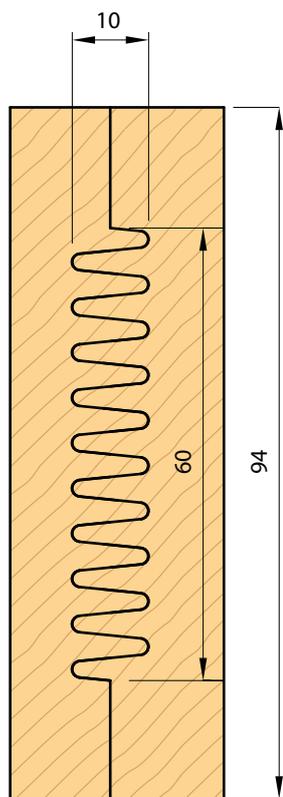
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
718 10	140	96	30	2	5100 - 8800	10,306
718 11	140	96	35	2	5100 - 8800	10,127
718 12	140	96	40	2	5100 - 8800	9,921
718 13	140	96	50	2	5100 - 8800	9,425

Cod.	Parti di ricambio Spare Parts	Quantità	Dimensions mm
718 50	Coltello / Knife	1	50 x 25 x 2
718 51	Coltello / Knife	2	50 x 25 x 2
CU 49	Cuneo / Wedge	1-2	49
VT M8 x 16	Vite / Screw	1-2	M8 x 16
CHT4	Chiave / Allen key		T4



adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

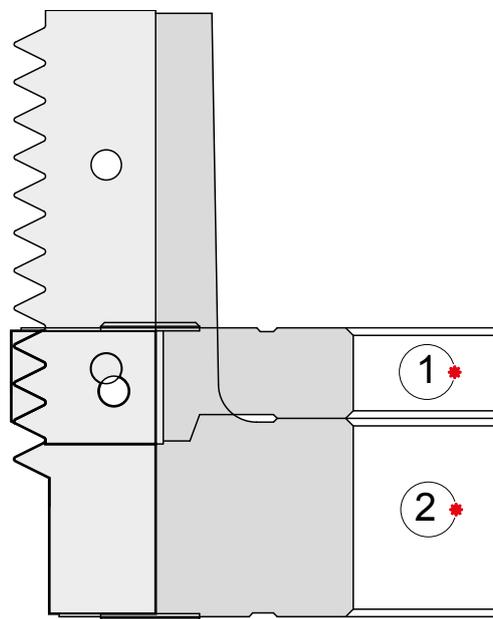
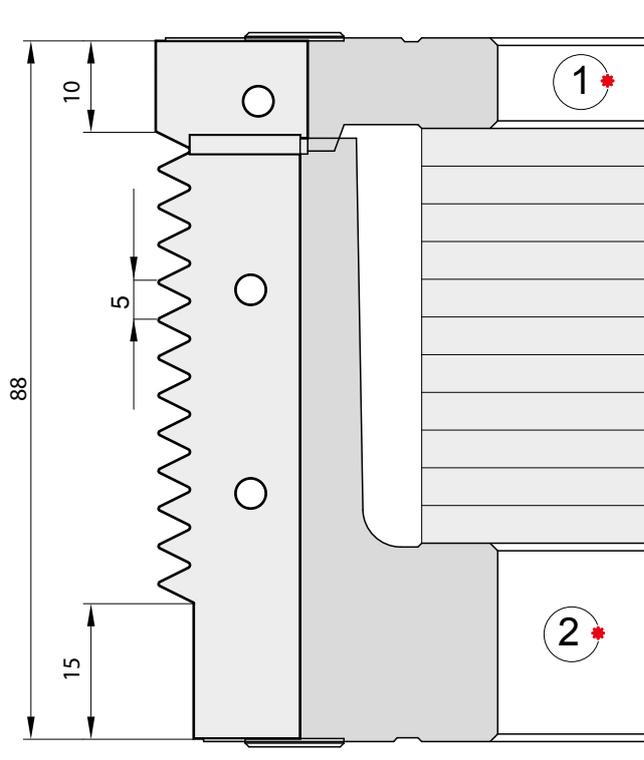
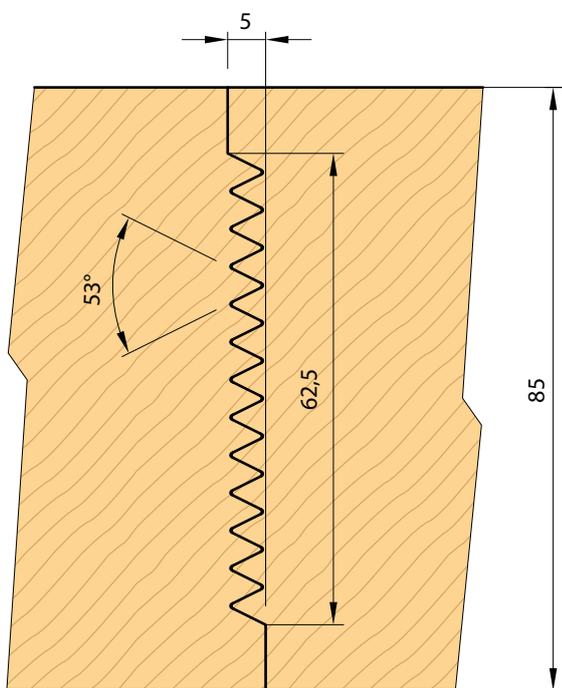
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2037 10	140	90	30	2	4800 - 8300	8,831
2037 11	140	90	35	2	4800 - 8300	8,678
2037 12	140	90	40	2	4800 - 8300	8,501
2037 13	140	90	50	2	4800 - 8300	8,076

Cod.	Parti di ricambio Spare Parts	Quantità	Dimensions mm
2037 50	Coltello / Knife	1	15 x 20 x 2
2037 51	Coltello / Knife	2	80 x 20 x 2
CU 14	Cuneo / Wedge	1	14
CU 79	Cuneo / Wedge	2	79
VT M8 x 16	Vite / Screw	1-2	M8 x 16
CHT4	Chiave / Allen key		T4



Art. 1107

testa per giunzione a spessore regolabile

adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

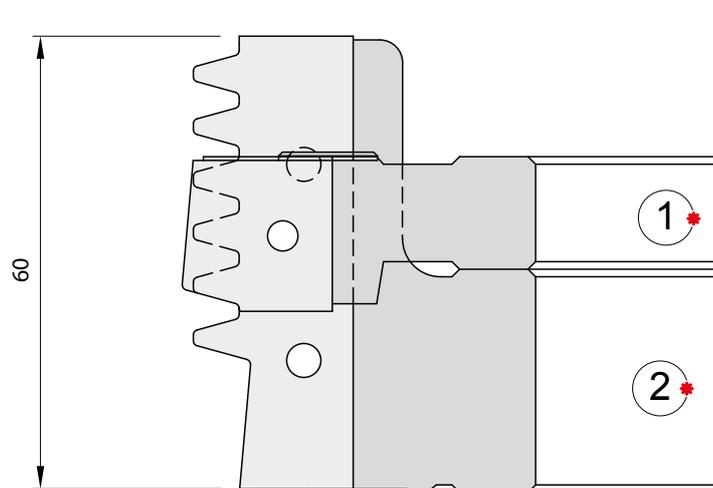
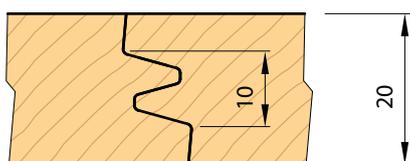
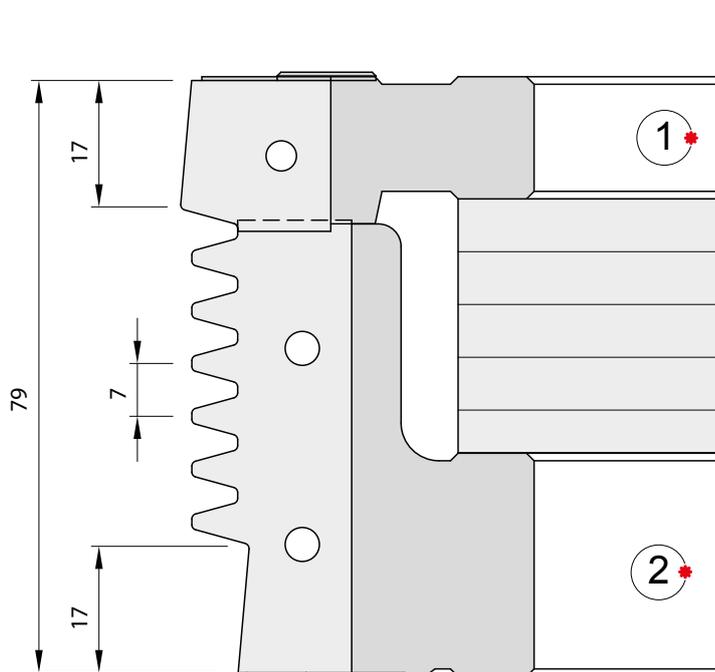
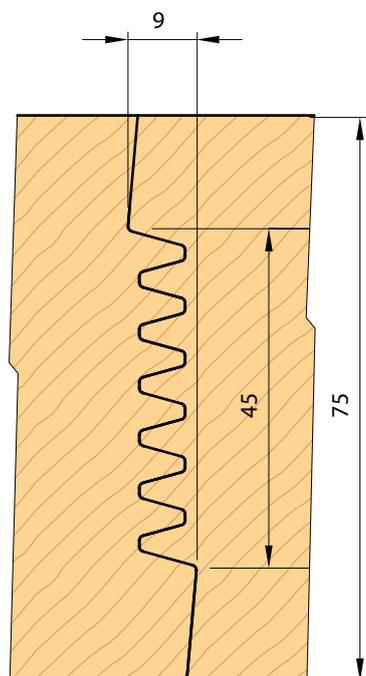
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1107 10	140	79	30	2	4800 - 8300	7,752
1107 11	140	79	35	2	4800 - 8300	7,617
1107 12	140	79	40	2	4800 - 8300	7,462
1107 13	140	79	50	2	4800 - 8300	7,089

Cod.		Parti di ricambio Spare Parts	★	Dimensions mm
1107 50		Coltello / Knife	1	20 x 25 x 2
1107 51		Coltello / Knife	2	60 x 25 x 2
CU 19		Cuneo / Wedge	1	19
CU 59		Cuneo / Wedge	2	59
VT M8 x 16		Vite / Screw		M8 x 16
CHT4		Chiave / Allen key		T4



Art. 2036

testa per giunzione a spessore regolabile

adjustable cutterhead for joint

Verstellbar MesserKopf für Verbindungen

cabezal para junta de espesor ajustable

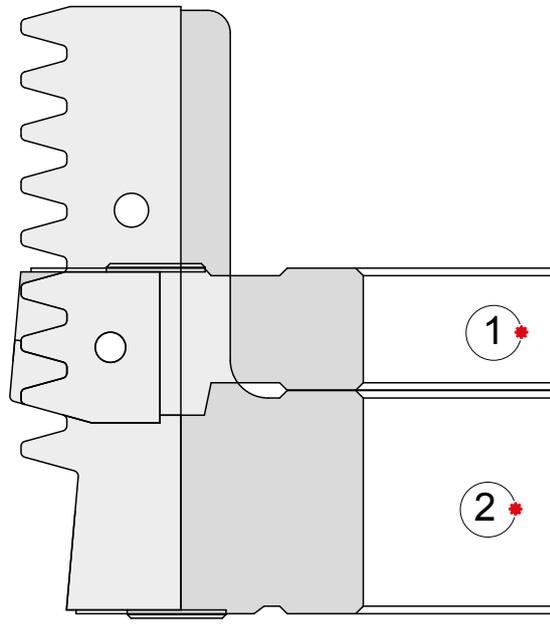
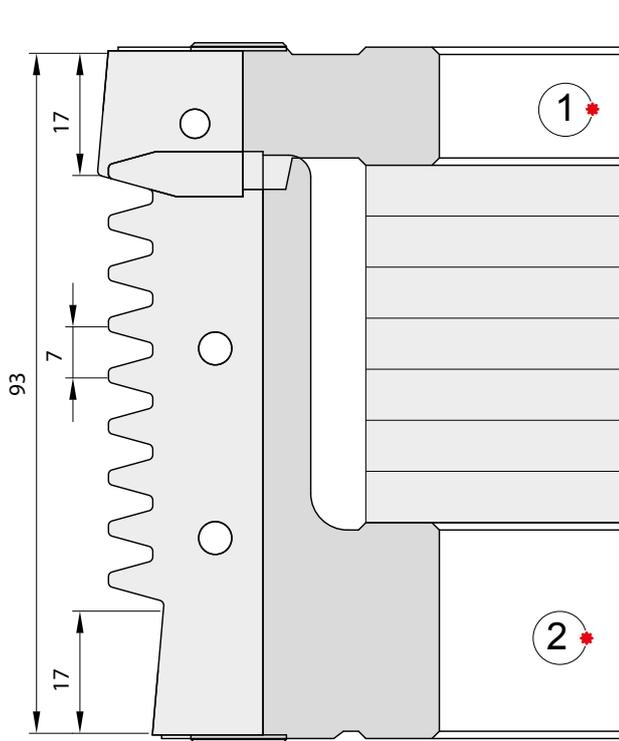
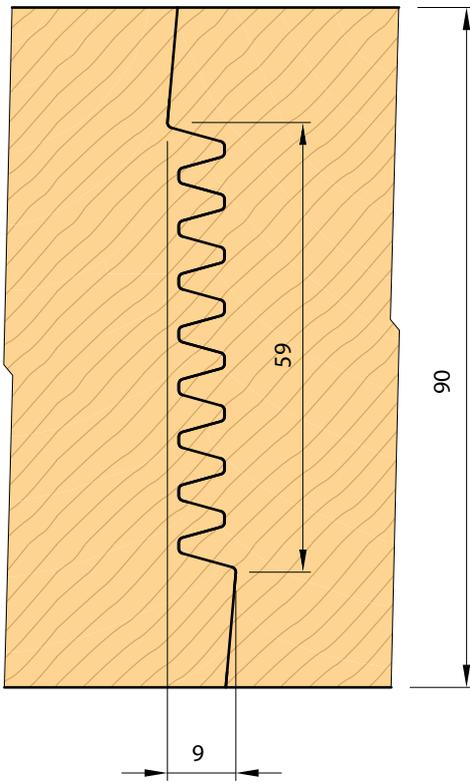
p.o. pour aboutage à épaisseur variable

комплект фрез для сращиваний под с регулируемой толщиной



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2036 10	140	93	30	2	4800 -8300	9,125
2036 11	140	93	35	2	4800 -8300	8,967
2036 12	140	93	40	2	4800 -8300	8,784
2036 13	140	93	50	2	4800 -8300	8,345

Cod.	Parti di ricambio Spare Parts	Quantità	Dimensions mm
2036 50	Coltello / Knife	1	20 x 25 x 2
2036 51	Coltello / Knife	2	80 x 25 x 2
CU 19	Cuneo / Wedge	1	19
CU 79	Cuneo / Wedge	2	79
VT M8 x 16	Vite / Screw	1-2	M8 x 16
CH T4	Chiave / Allen key		T4



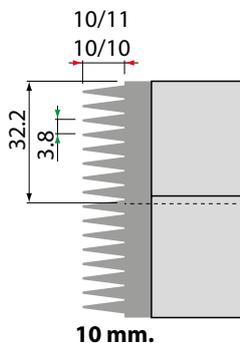
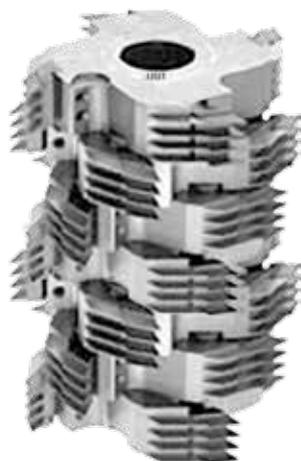
jointing tools finger joint type

minizinken-scheibenfräser

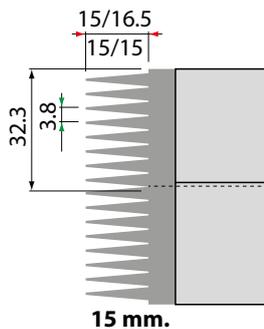
fresas para ensambles tipo finger joints

Fraises pour aboutage type Finger Joint

фрезы для сращиваний типа finger joint

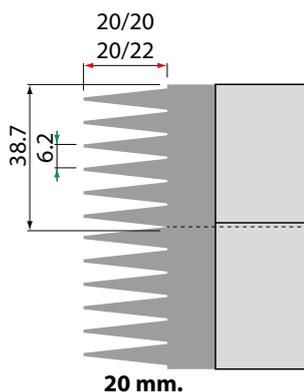


Corpo utensile escluso coltelli.
Tool body without knives.
Werkzeug-körper ohne Profilmesser.
Cuerpo de la herramienta sin cuchillo.
Corps de l'outil sans plaquettes.
Тело инструмента без ножей



15 mm.

Parti di ricambio / Spare Parts			
Cod.			Dimensions mm
HSS			
733 85		10/10	3,8 28,4 x 38,5 x 14
733 86		10/11	3,8 28,4 x 38,5 x 14
733 87		15/15	3,8 28,4 x 38,5 x 14
733 88		15/16,5	3,8 28,4 x 38,5 x 14
733 89		20/20	6,2 32,5 x 48,5 x 14
733 90		20/22	6,2 32,5 x 48,5 x 14
VT M8 x 20		Vite / Screw	M8 x 20
CH T4		Chiave / Allen key	T4



20 mm.

10/10	10/11	3,8 mm						rpm min/max	weight kg.
Cod.	Cod.	ø D mm	B mm	ø d mm	Z	Qual.			
733 10	733 50	160	30,4	35	4	HSS	6000 - 8500	3,477	
733 11	733 51	160	30,4	40	4	HSS	6000 - 8500	3,423	
733 12	733 52	160	30,4	50	4	HSS	6000 - 8500	3,295	
733 13	733 53	160	30,4	35	6	HSS	6000 - 8500	3,477	
733 14	733 54	160	30,4	40	6	HSS	6000 - 8500	3,423	
733 15	733 55	160	30,4	50	6	HSS	6000 - 8500	3,295	
733 16	733 56	250	30,4	35	6	HSS	4500 - 5500	8,739	
733 17	733 57	250	30,4	40	6	HSS	4500 - 5500	8,686	
733 18	733 58	250	30,4	50	6	HSS	4500 - 5500	8,558	
733 19	733 59	250	30,4	60	6	HSS	4500 - 5500	8,401	
733 20	733 60	250	30,4	35	8	HSS	4500 - 5500	8,739	
733 21	733 61	250	30,4	40	8	HSS	4500 - 5500	8,686	
733 22	733 62	250	30,4	50	8	HSS	4500 - 5500	8,558	
733 23	733 63	250	30,4	60	8	HSS	4500 - 5500	8,401	

15/15	15/16,5	3,8 mm						rpm min/max	weight kg.
Cod.	Cod.	ø D mm	B mm	ø d mm	Z	Qual.			
733 24	733 64	170	30,4	35	4	HSS	6000 - 8000	3,947	
733 25	733 65	170	30,4	40	4	HSS	6000 - 8000	3,894	
733 26	733 66	170	30,4	50	4	HSS	6000 - 8000	3,765	
733 27	733 67	170	30,4	35	6	HSS	6000 - 8000	3,947	
733 28	733 68	170	30,4	40	6	HSS	6000 - 8000	3,894	
733 29	733 69	170	30,4	50	6	HSS	6000 - 8000	3,765	
733 30	733 70	260	30,4	35	6	HSS	4500 - 5200	9,467	
733 31	733 71	260	30,4	40	6	HSS	4500 - 5200	9,413	
733 32	733 72	260	30,4	50	6	HSS	4500 - 5200	9,285	
733 33	733 73	260	30,4	60	6	HSS	4500 - 5200	9,128	
733 34	733 74	260	30,4	35	8	HSS	4500 - 5200	9,467	
733 35	733 75	260	30,4	40	8	HSS	4500 - 5200	9,413	
733 36	733 76	260	30,4	50	8	HSS	4500 - 5200	9,285	
733 37	733 77	260	30,4	60	8	HSS	4500 - 5200	9,128	

20/20	20/22	6,2 mm						rpm min/max	weight kg.
Cod.	Cod.	ø D mm	B mm	ø d mm	Z	Qual.			
733 38	733 78	180	37,2	35	4	HSS	5500 - 7500	5,441	
733 39	733 79	180	37,2	40	4	HSS	5500 - 7500	5,376	
733 40	733 80	180	37,2	50	4	HSS	5500 - 7500	5,218	
733 41	733 81	260	37,2	35	6	HSS	4500 - 5200	11,584	
733 42	733 82	260	37,2	40	6	HSS	4500 - 5200	11,519	
733 43	733 83	260	37,2	50	6	HSS	4500 - 5200	11,362	
733 44	733 84	260	37,2	60	6	HSS	4500 - 5200	11,170	

Art. 410

gruppo di teste per giunzioni

Jointing cutterhead sets

Gruppe von Köpfen für Verbindungen

Juego de cabezales para ensamble

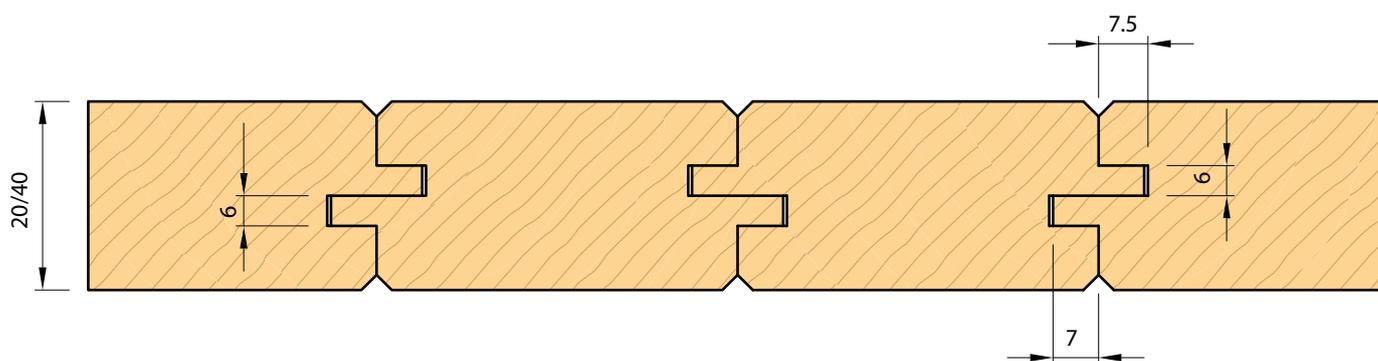
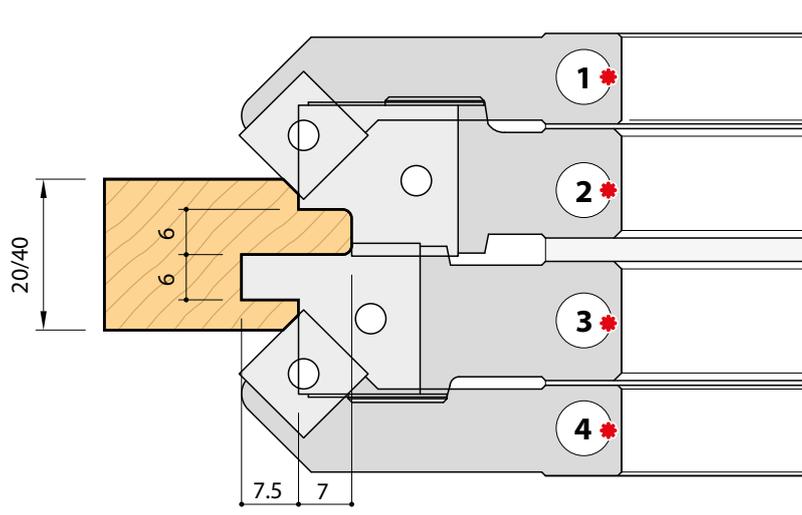
Ensemble de p.o. pour aboutage

комплект фрез для сращивания



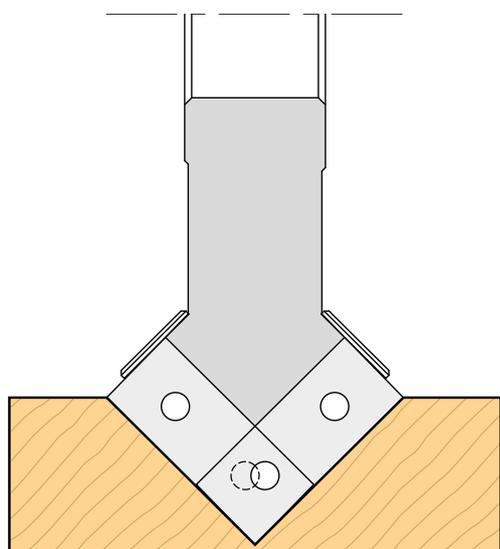
Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
410 10	150	50	30	2	5000 - 8500	6,400
410 11	150	50	35	2	5000 - 8500	6,304
410 12	150	50	40	2	5000 - 8500	6,193
410 13	150	50	50	2	5000 - 8500	5,926

Cod.		Parti di ricambio Spare Parts	★	Dimensions mm
410 50		Coltello / Knife	2	20 x 25 x 2
410 51		Coltello / Knife	3	20 x 30 x 2
907 13		Coltello / Knife	1-4	12 x 12 x 1,5
CU 11		Cuneo / Wedge	1-4	11
CU 19		Cuneo / Wedge	2-3	19
VT M8 x 16		Vite / Screw	1-2-3-4	M8 x 16
CHT4		Chiave / Allen key		T4

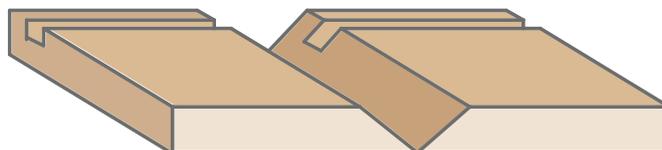
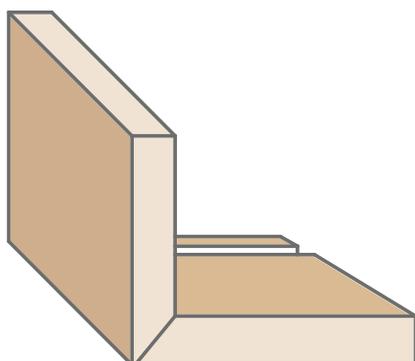




Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
903 10	160	40	30	3+3	5500 - 8000	5,062
903 11	160	40	35	3+3	5500 - 8000	4,996
903 12	160	40	40	3+3	5500 - 8000	4,919
903 13	160	70	30	3+3	5500 - 8000	8,859
903 14	160	70	35	3+3	5500 - 8000	8,742
903 15	160	70	40	3+3	5500 - 8000	8,608
903 16	180	40	30	3+3	4300 - 6300	6,456
903 17	180	40	35	3+3	4300 - 6300	6,389
903 18	180	40	40	3+3	4300 - 6300	6,312
903 19	180	40	50	3+3	4300 - 6300	6,128
903 20	180	70	30	3+3	4300 - 6300	11,298
903 21	180	70	35	3+3	4300 - 6300	11,181
903 22	180	70	40	3+3	4300 - 6300	11,047
903 23	180	70	50	3+3	4300 - 6300	10,724
903 24	200	40	30	3+3	3900 - 5700	8,014
903 25	200	40	35	3+3	3900 - 5700	7,947
903 26	200	40	40	3+3	3900 - 5700	7,870
903 27	200	40	50	3+3	3900 - 5700	7,686
903 28	200	70	30	3+3	3900 - 5700	14,024
903 29	200	70	35	3+3	3900 - 5700	13,907
903 30	200	70	40	3+3	3900 - 5700	13,773
903 31	200	70	50	3+3	3900 - 5700	13,450



Cod.		Parti di ricambio Spare Partes	Dimensions mm
907 20		Coltello / Knife	50 x 12 x 1,5
907 18		Coltello / Knife	30 x 12 x 1,5
CU 29		Cuneo / Wedge	29
CU 49		Cuneo / Wedge	49
OG M8		Ogiva / Nut	M8
VT M8 - M6		Vite / Screw	M8 - M6
CHT4		Chiave / Allen key	T4



Art. 1110

gruppi di teste per parchetti e perline

set of cutterheads for par-
quet and matchboard

Messerkopfstatz für
Parkett und Spundbrett

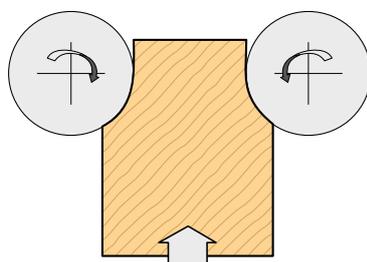
juegos de cabezales para
parquet y machihembrado

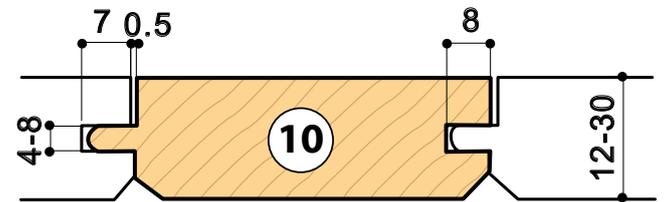
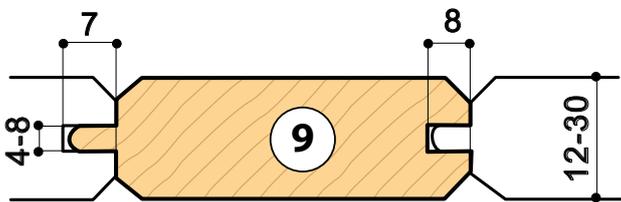
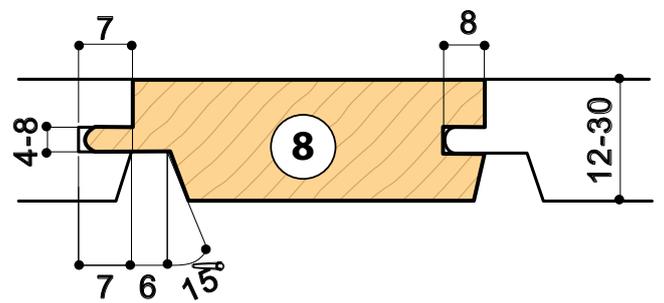
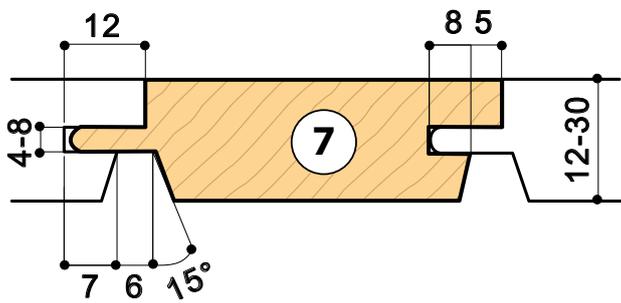
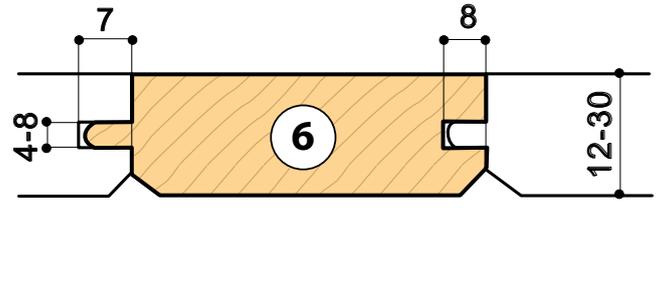
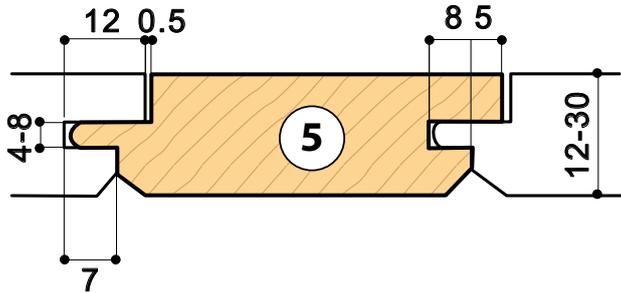
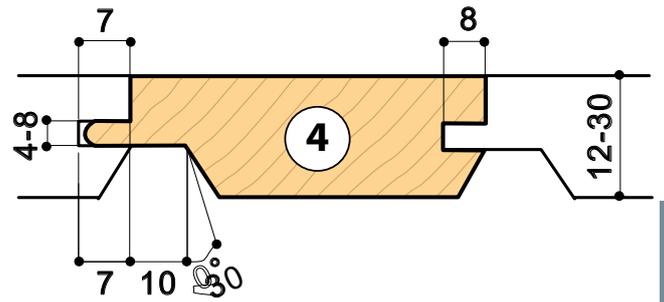
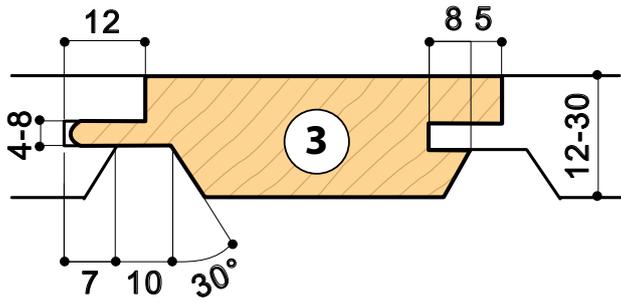
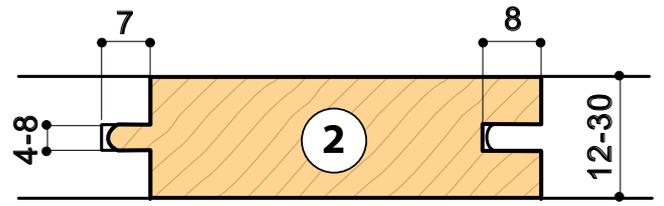
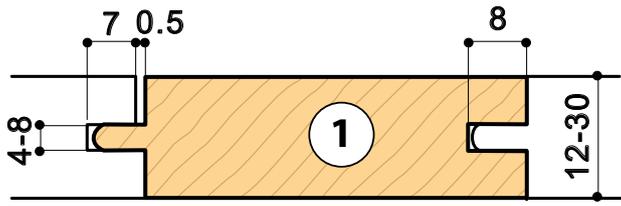
groupes de p.o. pour
parquet et lambris

комплект фрез для
паркета и евровагонки



Cod.	Rif.	ø D mm	B mm	ø d mm	rpm min/max	weight kg.
Z2						
1110 10	1	160	40	35	4500 - 7500	12,339
1110 11	1	160	40	40	4500 - 7500	12,149
1110 12	1	160	40	50	4500 - 7500	11,693
1110 13	2	160	40	35	4500 - 7500	12,339
1110 14	2	160	40	40	4500 - 7500	12,149
1110 15	2	160	40	50	4500 - 7500	11,693
1110 16	3	160	40	35	4500 - 7500	12,339
1110 17	3	160	40	40	4500 - 7500	12,149
1110 18	3	160	40	50	4500 - 7500	11,693
1110 19	4	160	40	35	4500 - 7500	12,339
1110 20	4	160	40	40	4500 - 7500	12,149
1110 21	4	160	40	50	4500 - 7500	11,693
1110 22	5	160	40	35	4500 - 7500	12,339
1110 23	5	160	40	40	4500 - 7500	12,149
1110 24	5	160	40	50	4500 - 7500	11,693
1110 25	6	160	40	35	4500 - 7500	12,339
1110 26	6	160	40	40	4500 - 7500	12,149
1110 27	6	160	40	50	4500 - 7500	11,693
1110 28	7	160	40	35	4500 - 7500	12,339
1110 29	7	160	40	40	4500 - 7500	12,149
1110 30	7	160	40	50	4500 - 7500	11,693
1110 31	8	160	40	35	4500 - 7500	12,339
1110 32	8	160	40	40	4500 - 7500	12,149
1110 33	8	160	40	50	4500 - 7500	11,693
1110 34	9	160	40	35	4500 - 7500	12,339
1110 35	9	160	40	40	4500 - 7500	12,149
1110 36	9	160	40	50	4500 - 7500	11,693
1110 37	10	160	40	35	4500 - 7500	12,339
1110 38	10	160	40	40	4500 - 7500	12,149
1110 39	10	160	40	50	4500 - 7500	11,693





set of cutterheads for parquet and matchboard

Messerkopfstatz für Parkett und Spundbrett

juegos de cabezales para parquet y machihembrado

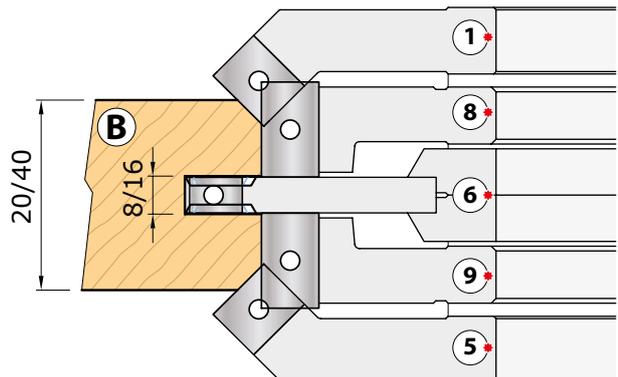
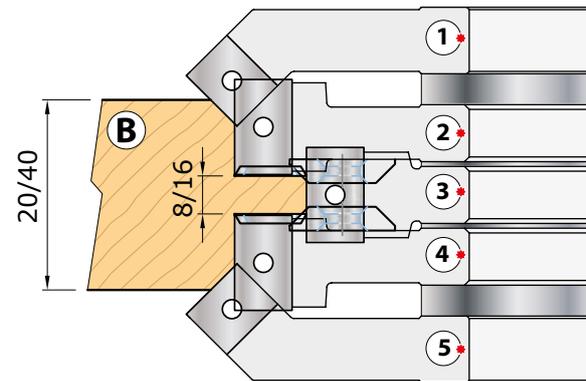
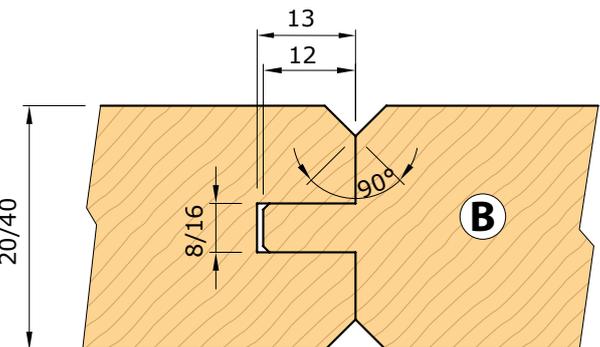
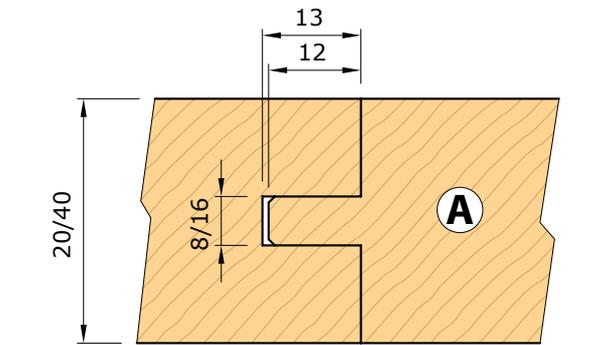
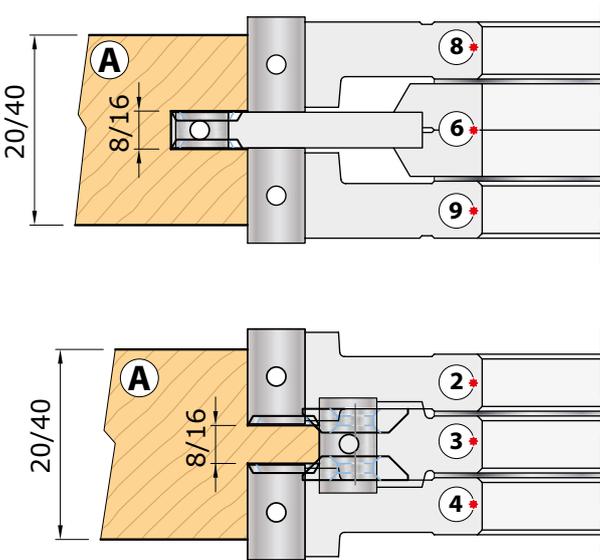
groupes de p.o. pour parquet et lambris

комплект фрез для паркета и евровагонки



Cod.	Rif.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1112 10	A	160	50	30	2	4400 - 7500	6,862
1112 11	A	160	50	35	2	4400 - 7500	6,771
1112 12	A	160	50	40	2	4400 - 7500	6,667
1112 13	A	170	50	50	2	4400 - 7500	6,417
1112 14	B	160	70	30	2	4400 - 7500	9,606
1112 15	B	160	70	35	2	4400 - 7500	9,480
1112 16	B	160	70	40	2	4400 - 7500	9,334
1112 17	B	170	70	50	2	4400 - 7500	8,984

Cod.		Parti di ricambio Spare Parts	*	Rif.	Dimensions mm
907 13		Coltello / Knife	1-5	B	12 x 12 x 1,5
907 15		Coltello / Knife	2-3-4-8-9	A-B	20 x 12 x 1,5
907 10		Coltello / Knife	6	A-B	7,5 x 12 x 1,5
943 10		Rasante / Spur	6	A-B	14 x 14 x 2
944 10		Inserto smussatore / Beveling insert	3	A-B	22 x 16 x 5 - 45°
CU 7		Cuneo / Wedge			7
CU 11		Cuneo / Wedge			11
CU 19		Cuneo / Wedge			19
VT M5 x 7 torx		Vite / Screw			M5 x 7 torx
VT M8 x 16		Vite / Screw			M8 x 16
CHT3		Chiave / Allen key			T3
CHT4		Chiave / Allen key			T4
CHT15 torx		Chiave / Allen key			T15 torx



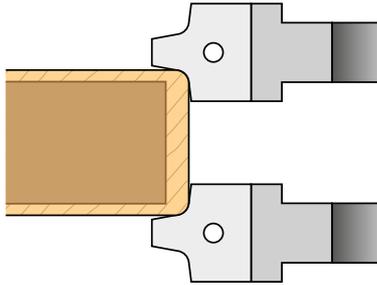
cutterhead for edgebanding machine with radius knives

MesserKopf für Kantenanleimmaschinen mit Radius Messern

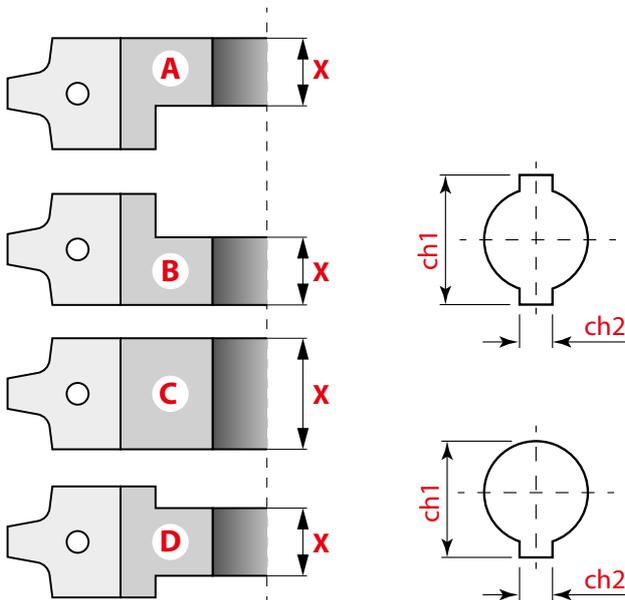
cabezales para contorneadora con cuchillas radiadas

p.o. pour plaqueuses de chant avec plaquettes rayonnées

фрезы для кромкообрабатывающего станка с радиусными ножами



Nell'ordine specificare tutte le quote
In the order specify all dimensions
Im Auftrag alle Maße angeben
A la commande spécifier toutes les mesures
En el pedido indicar todas las cotas
в заказе уточнить все квоты



Cod.		Parti di ricambio Spare Parts	R	Dimensions mm
980 60		Coltello / Knife	2	16 x 17,5 x 2
980 61		Coltello / Knife	3	16 x 17,5 x 2
980 62		Coltello / Knife	4	16 x 17,5 x 2
980 63		Coltello / Knife	5	16 x 17,5 x 2
CU 15		Cuneo / Wedge		15
VT M6 x 10		Vite / Screw		M6 x 10
CHT3		Chiave / Allen key		T3

Cod.	ø D mm	B mm	ø d mm		Z	R mm	rpm min/max	weight kg.
980 10	73	16	12	DKN	4	2	9000 - 15700	0,435
980 11	73	16	12	DKN	4	3	9000 - 15700	0,435
980 12	73	16	12	DKN	4	4	9000 - 15700	0,435
980 13	73	16	12	DKN	4	5	9000 - 15700	0,435
980 14	73	16	14	DKN	4	2	9000 - 15700	0,431
980 15	73	16	14	DKN	4	3	9000 - 15700	0,431
980 16	73	16	14	DKN	4	4	9000 - 15700	0,431
980 17	73	16	14	DKN	4	5	9000 - 15700	0,431
980 18	73	16	16	DKN	4	2	9000 - 15700	0,426
980 19	73	16	16	DKN	4	3	9000 - 15700	0,426
980 20	73	16	16	DKN	4	4	9000 - 15700	0,426
980 21	73	16	16	DKN	4	5	9000 - 15700	0,426
980 22	73	16	20	DKN	4	2	9000 - 15700	0,414
980 23	73	16	20	DKN	4	3	9000 - 15700	0,414
980 24	73	16	20	DKN	4	4	9000 - 15700	0,414
980 25	73	16	20	DKN	4	5	9000 - 15700	0,414
980 26	82	16	12	DKN	4	2	9000 - 15700	0,552
980 27	82	16	12	DKN	4	3	9000 - 15700	0,552
980 28	82	16	12	DKN	4	4	9000 - 15700	0,552
980 29	82	16	12	DKN	4	5	9000 - 15700	0,552
980 30	82	16	14	DKN	4	2	9000 - 15700	0,548
980 31	82	16	14	DKN	4	3	9000 - 15700	0,548
980 32	82	16	14	DKN	4	4	9000 - 15700	0,548
980 33	82	16	14	DKN	4	5	9000 - 15700	0,548
980 34	82	16	16	DKN	4	2	9000 - 15700	0,543
980 35	82	16	16	DKN	4	3	9000 - 15700	0,543
980 36	82	16	16	DKN	4	4	9000 - 15700	0,543
980 37	82	16	16	DKN	4	5	9000 - 15700	0,543
980 38	82	16	20	DKN	4	2	9000 - 15700	0,531
980 39	82	16	20	DKN	4	3	9000 - 15700	0,531
980 40	82	16	20	DKN	4	4	9000 - 15700	0,531
980 41	82	16	20	DKN	4	5	9000 - 15700	0,531
980 42	82	16	12	DKN	6	2	9000 - 15700	0,552
980 43	82	16	12	DKN	6	3	9000 - 15700	0,552
980 44	82	16	12	DKN	6	4	9000 - 15700	0,552
980 45	82	16	12	DKN	6	5	9000 - 15700	0,552
980 46	82	16	14	DKN	6	2	9000 - 15700	0,548
980 47	82	16	14	DKN	6	3	9000 - 15700	0,548
980 48	82	16	14	DKN	6	4	9000 - 15700	0,548
980 49	82	16	14	DKN	6	5	9000 - 15700	0,548
980 50	82	16	16	DKN	6	2	9000 - 15700	0,543
980 51	82	16	16	DKN	6	3	9000 - 15700	0,543
980 52	82	16	16	DKN	6	4	9000 - 15700	0,543
980 53	82	16	16	DKN	6	5	9000 - 15700	0,543
980 54	82	16	20	DKN	6	2	9000 - 15700	0,531
980 55	82	16	20	DKN	6	3	9000 - 15700	0,531
980 56	82	16	20	DKN	6	4	9000 - 15700	0,531
980 57	82	16	20	DKN	6	5	9000 - 15700	0,531

Art. 1200

gruppo di teste per tenonatrice singola

set of cutterhead for single tenoning

Messerkopfsatz für einzelne Zapfen Maschine

juego de cabezales para espigadora simple

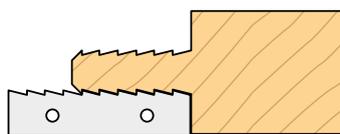
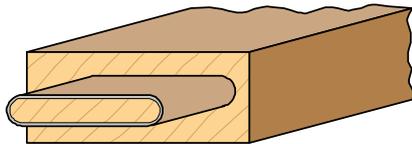
groupe de p.o. pour tenonneuse simple

комплект фрез для одинарного пазорезного станка

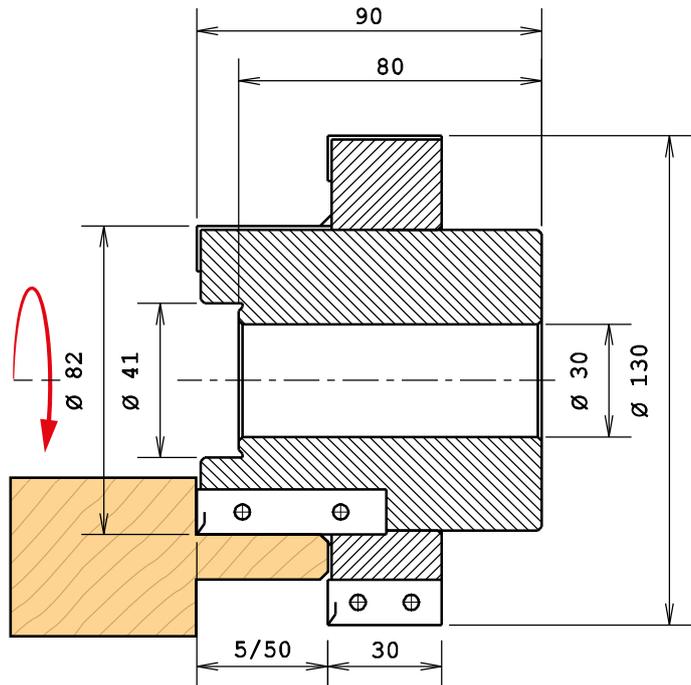


Cod.	ø D mm	B mm	ø d mm	Z	rpm max	weight kg.
1200 10	130	90	30	6+3+3	9000	6,667

Cod.		Parti di ricambio Spare Parts	Dimensions mm
907 18		Coltello / Knife	30 x 12 x 1,5
907 20		Coltello / Knife	50 x 12 x 1,5
1200 50		Coltello / Knife	50 x 12 x 1,5 R
943 10		Rasante / Spur	14 x 14 x 2
OG M8		Ogiva / Nut	M8
CU 49		Cuneo / Wedge	49
CU 29		Cuneo / Wedge	29
VT M5 x 7 torx		Vite / Screw	M5 x 7 torx
VT M8 x 20		Vite / Screw	M8 x 20
VT M8 - M6		Vite / Screw	M8 - M6
CH T3		Chiave / Allen key	T3
CH T4		Chiave / Allen key	T4
CH T15 torx		Chiave / Allen key	T15 torx



OPTIONAL
50 x 12 x 1,5 R



Art. 1201

gruppo di teste per tenonatrice doppia

set of cutterhead for double tenoning machine

MesserKopfsatz für doppel Zapfen Maschine

juego de cabezales para espigadora doble

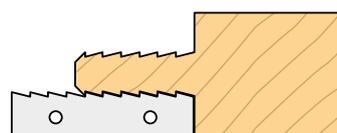
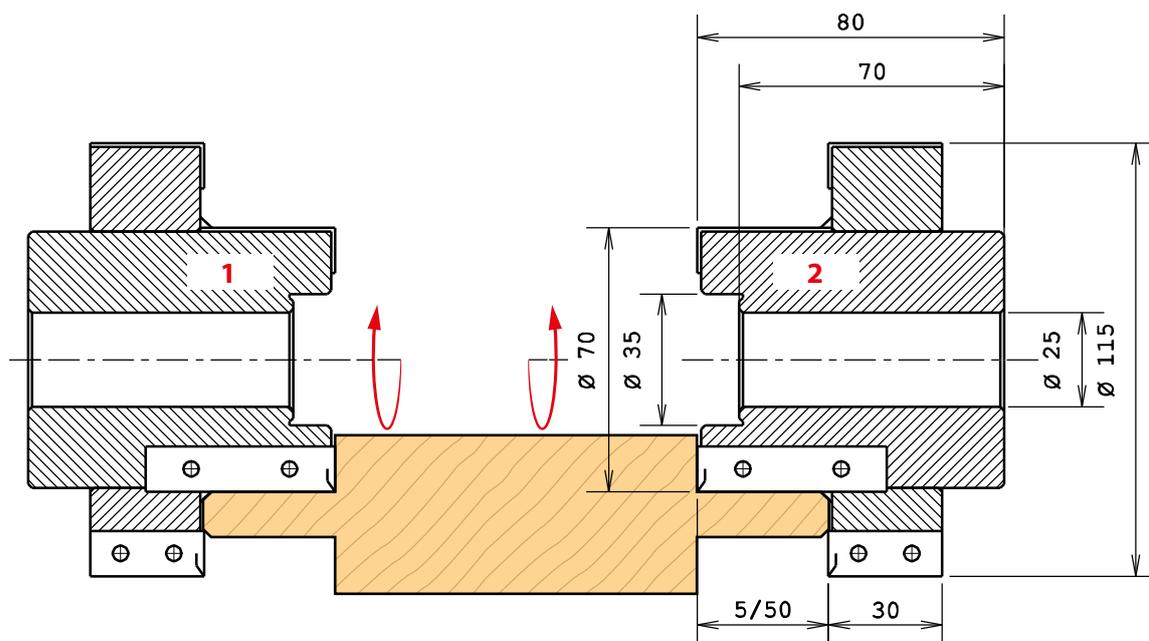
groupe de p.o. pour tenonneuse double

комплект фрез для двойного пазорезного станка



Cod.	Rif.	ø D mm	B mm	ø d mm	Z	rpm max	weight kg.
1201 10	1	115	80	25	6+3+3	9000	4,667
1201 11	2	115	80	25	6+3+3	9000	4,667

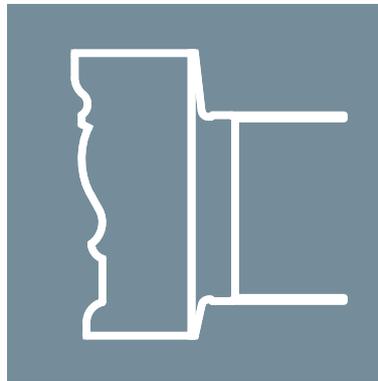
Cod.		Parti di ricambio Spare Parts	Rif.	Dimensions mm
907 18		Coltello / Knife	1-2	30 x 12 x 2
907 20		Coltello / Knife	1-2	50 x 12 x 1,5
1201 50		Coltello / Knife	1-2	50 x 12 x 1,5 R
943 10		Rasante / Spur	1-2	14 x 14 x 2
CU 49		Cuneo / Wedge	1-2	49
CU 29		Cuneo / Wedge	1-2	29
VT M5 x 7 torx		Vite / Screw	1-2	M5 x 7 torx
VT M8 x 20		Vite / Screw	1-2	M8 x 20
CHT3		Chiave / Allen key		T3
CHT4		Chiave / Allen key		T4
CHT15 torx		Chiave / Allen key		T15 torx



OPTIONAL

50 x 12 x 1,5 R

FRESE SALDOBRASATE



BRAZED TOOL

BESTUECKTE FRAESER

FRESAS DE PLACAS SOLDADAS

FRAISES BRASEES

ФРЕЗЫ С НАПАЙКАМИ

frese saldobrasate

brazed tool

bestueckte fraeser

fresas de placas soldadas

fraises brasees

фрезы с напайками

Art. 215

pag.
25



Out of production
Fuori produzione

Art. 620

pag.
29



Art. 479

pag.
34



Art. 431

pag.
36



Art. 267

pag.
25



Out of production
Fuori produzione

Art. 630

pag.
30



Art. 411

pag.
34



Art. 467

pag.
37



Art. 231

pag.
26



Art. 640

pag.
31



Art. 435

pag.
35



Art. 483

pag.
37



Art. 848

pag.
27



Art. 665

pag.
32



Art. 491

pag.
35



Art. 1025

pag.
38



Art. 610

pag.
28



Art. 675

pag.
33



Art. 459

pag.
36



Art. 1026

pag.
39



frese saldobrasate

brazed tool

bestueckte fraeser

fresas de placas soldadas

fraises brasees

фрезы с напайками

<p>Art. 2050</p> 	<p>pag. 40</p>	<p>Art. 1035</p> 	<p>pag. 44</p>	<p>Art. 1017</p> 	<p>pag. 46</p>	<p>Art. 720</p> 	<p>pag. 50</p>
<p>Art. 2022</p> 	<p>pag. 41</p>	<p>Art. 1027</p> 	<p>pag. 44</p>	<p>Art. 1093</p> 	<p>pag. 47</p>	<p>Art. 732</p> 	<p>pag. 52</p>
<p>Art. 147</p> 	<p>pag. 42</p>	<p>Art. 1019</p> 	<p>pag. 45</p>	<p>Art. 1033</p> 	<p>pag. 48</p>	<p>Art. 725</p> 	<p>pag. 53</p>
<p>Art. 719</p> 	<p>pag. 43</p>	<p>Art. 1011</p> 	<p>pag. 45</p>	<p>Art. 1801</p> 	<p>pag. 48</p>	<p>Art. 551</p> 	<p>pag. 54</p>
<p>Art. 735</p> 	<p>pag. 43</p>	<p>Art. 1015</p> 	<p>pag. 46</p>	<p>Art. 340</p> 	<p>pag. 49</p>		



Art. 215

frese per incastri

grooving cutters

Nutfräser

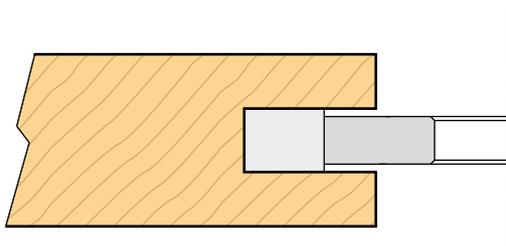
fresas para empalmes

fraises à rainier

пазовые фрезы
сращивания



Out of production
Fuori produzione



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
215 10	140	4	30	6	4900 - 8000	0,392
215 11	140	6	30	6	4900 - 8000	0,589
215 12	140	8	30	6	4900 - 8000	0,785
215 13	140	10	30	6	4900 - 8000	0,981
215 14	140	12	30	6	4900 - 8000	1,177
215 15	140	14	30	6	4900 - 8000	1,374
215 16	140	16	30	6	4900 - 8000	1,570
215 17	140	18	30	6	4900 - 8000	1,766
215 18	140	20	30	6	4900 - 8000	1,962
215 19	140	4	35	6	4900 - 8000	0,386
215 20	140	6	35	6	4900 - 8000	0,579
215 21	140	8	35	6	4900 - 8000	0,771
215 22	140	10	35	6	4900 - 8000	0,964
215 23	140	12	35	6	4900 - 8000	1,157
215 24	140	14	35	6	4900 - 8000	1,350
215 25	140	16	35	6	4900 - 8000	1,543
215 26	140	18	35	6	4900 - 8000	1,736
215 27	140	20	35	6	4900 - 8000	1,928

Art. 267

frese per incastri con rasanti

grooving cutters with
shavers

Nutfräser mit
Vorschneiden

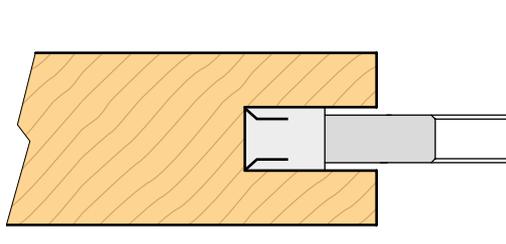
fresas para empalmes con
cepillos

fraises à rainier avec
araseurs

пазовые фрезы со
строгателями



Out of production
Fuori produzione



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
267 10	140	4	30	4+4	4900 - 8000	0,369
267 11	140	6	30	4+4	4900 - 8000	0,554
267 12	140	8	30	4+4	4900 - 8000	0,739
267 13	140	10	30	4+4	4900 - 8000	0,924
267 14	140	12	30	4+4	4900 - 8000	1,108
267 15	140	14	30	4+4	4900 - 8000	1,293
267 16	140	16	30	4+4	4900 - 8000	1,478
267 17	140	18	30	4+4	4900 - 8000	1,662
267 18	140	20	30	4+4	4900 - 8000	1,847
267 19	140	4	35	4+4	4900 - 8000	0,363
267 20	140	6	35	4+4	4900 - 8000	0,544
267 21	140	8	35	4+4	4900 - 8000	0,726
267 22	140	10	35	4+4	4900 - 8000	0,907
267 23	140	12	35	4+4	4900 - 8000	1,089
267 24	140	14	35	4+4	4900 - 8000	1,270
267 25	140	16	35	4+4	4900 - 8000	1,452
267 26	140	18	35	4+4	4900 - 8000	1,633
267 27	140	20	35	4+4	4900 - 8000	1,815

Art. 231

frese per incastri regolabili con anelli, rasanti, e limitatore di truciolo

ringset adjustable grooving cutters with shavers and edging grinder limiter

mit ringen regulierbare zinkenfräse, schabern und spänebegrenzern

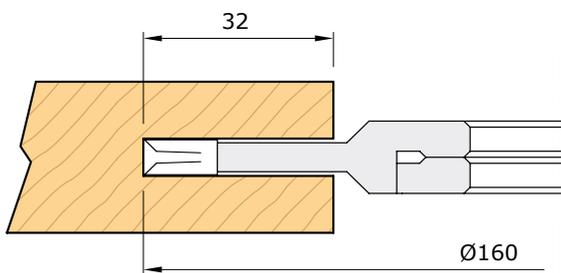
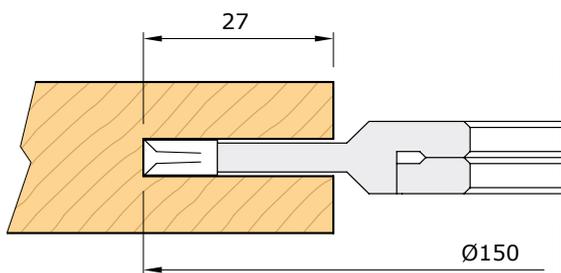
Verstellbar Nutfräser mit Ringe, Vorschneiden und Spänebegrenzern

fraises à rainier extensibles avec bagues et araseurs

пазовые фрезы регулируемые посредством колец, срагатели и ограничитель стружки



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
231 10	150	4 : 7,8	30	4+4	4800 - 7200	0,453
231 11	150	5 : 9,8	30	4+4	4800 - 7200	0,567
231 12	150	7,5 : 13,8	30	4+4	4800 - 7200	0,850
231 13	160	10 : 19,8	30	4+4	4800 - 7200	1,296
231 26	160	15 : 29,5	30	4+4	4800 - 7200	1,296
231 14	150	4 : 7,8	35	4+4	4800 - 7200	0,447
231 15	150	5 : 9,8	35	4+4	4800 - 7200	0,558
231 16	150	7,5 : 13,8	35	4+4	4800 - 7200	0,837
231 17	160	10 : 19,8	35	4+4	4800 - 7200	1,279
231 27	160	15 : 29,5	35	4+4	4800 - 7200	1,279
231 18	150	4 : 7,8	40	4+4	4800 - 7200	0,439
231 19	150	5 : 9,8	40	4+4	4800 - 7200	0,548
231 20	150	7,5 : 13,8	40	4+4	4800 - 7200	0,823
231 21	160	10 : 19,8	40	4+4	4800 - 7200	1,259
231 28	160	15 : 29,5	40	4+4	4800 - 7200	1,259
231 22	150	4 : 7,8	50	4+4	4800 - 7200	0,420
231 23	150	5 : 9,8	50	4+4	4800 - 7200	0,525
231 24	150	7,5 : 13,8	50	4+4	4800 - 7200	0,787
231 25	160	10 : 19,8	50	4+4	4800 - 7200	1,212
231 29	160	15 : 29,5	50	4+4	4800 - 7200	1,212



Art. 848

frese per smussi 15° 30° 45°

chamfering cutters 15°
30° 45°

Anfasfräsen
15° 30° 45°

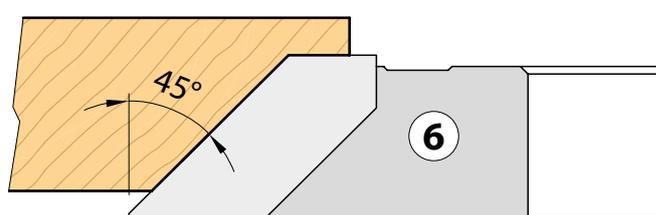
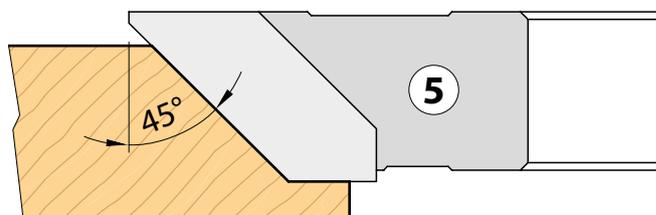
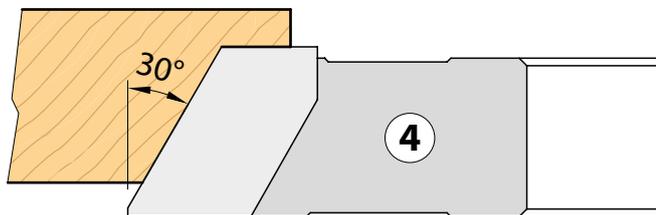
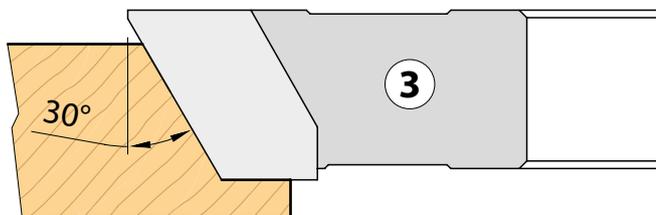
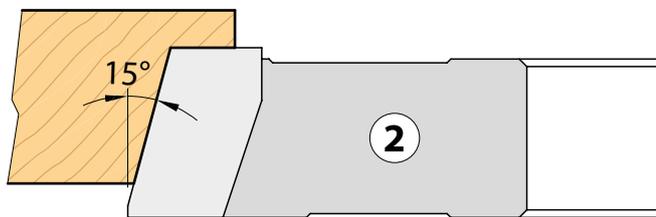
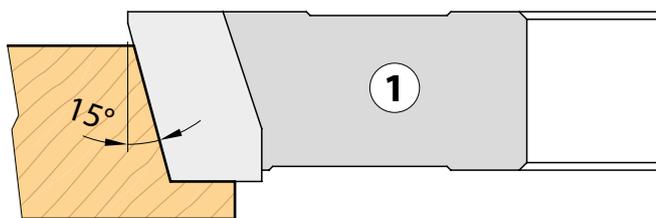
fresas para chaflanar
15° 30° 45°

fraises pour chanfrein à 15°
30° 45°

фрезы для обработки
кромки под 15° 30° 45°



Cod.		°	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
848 1 10	15°	110	25	30	3	6400 - 95000	1,210	
848 1 11	15°	110	25	35	3	6400 - 95000	1,175	
848 1 12	15°	110	25	40	3	6400 - 95000	1,134	
848 1 13	15°	110	25	50	3	6400 - 95000	1,037	
848 2 14	15°	110	25	30	3	6400 - 95000	1,210	
848 2 15	15°	110	25	35	3	6400 - 95000	1,175	
848 2 16	15°	110	25	40	3	6400 - 95000	1,134	
848 2 17	15°	110	25	50	3	6400 - 95000	1,037	
848 3 18	30°	140	30	30	3	5500 - 8100	2,424	
848 3 19	30°	140	30	35	3	5500 - 8100	2,382	
848 3 20	30°	140	30	40	3	5500 - 8100	2,333	
848 3 21	30°	140	30	50	3	5500 - 8100	2,217	
848 4 22	30°	140	30	30	3	5500 - 8100	2,424	
848 4 23	30°	140	30	35	3	5500 - 8100	2,382	
848 4 24	30°	140	30	40	3	5500 - 8100	2,333	
848 4 25	30°	140	30	50	3	5500 - 8100	2,217	
848 3 26	30°	160	40	30	3	4800 - 7000	4,269	
848 3 27	30°	160	40	35	3	4800 - 7000	4,213	
848 3 28	30°	160	40	40	3	4800 - 7000	4,148	
848 3 29	30°	160	40	50	3	4800 - 7000	3,993	
848 4 30	30°	160	40	30	3	4800 - 7000	4,269	
848 4 31	30°	160	40	35	3	4800 - 7000	4,213	
848 4 32	30°	160	40	40	3	4800 - 7000	4,148	
848 4 33	30°	160	40	50	3	4800 - 7000	3,993	
848 5 34	45°	160	30	30	3	4800 - 7000	3,202	
848 5 35	45°	160	30	35	3	4800 - 7000	3,160	
848 5 36	45°	160	30	40	3	4800 - 7000	3,111	
848 5 37	45°	160	30	50	3	4800 - 7000	2,995	
848 6 38	45°	160	30	30	3	4800 - 7000	3,202	
848 6 39	45°	160	30	35	3	4800 - 7000	3,160	
848 6 40	45°	160	30	40	3	4800 - 7000	3,111	
848 6 41	45°	160	30	50	3	4800 - 7000	2,995	
848 5 42	45°	180	40	30	3	4300 - 6300	5,445	
848 5 43	45°	180	40	35	3	4300 - 6300	5,389	
848 5 44	45°	180	40	40	3	4300 - 6300	5,324	
848 5 45	45°	180	40	50	3	4300 - 6300	5,168	
848 6 46	45°	180	40	30	3	4300 - 6300	5,445	
848 6 47	45°	180	40	35	3	4300 - 6300	5,389	
848 6 48	45°	180	40	40	3	4300 - 6300	5,324	
848 6 49	45°	180	40	50	3	4300 - 6300	5,168	



Art. 610

frese per profili mezzi tondi - profilo a raggio

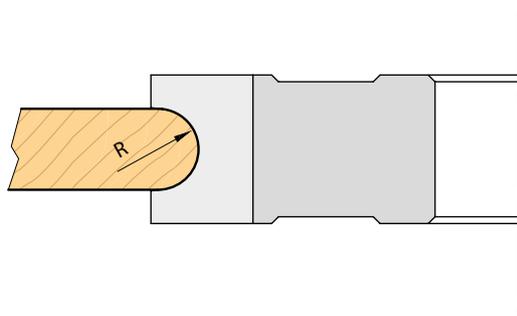
profile cutter for half round profiles

Fräsen für Halbrunde Profile - Radiusprofil

fresas para perfiles semi-redondos

fraises pour profils demi-ronds

фрезы для полукруглых профилей - радиусное профилирование



Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
610 10	140	15	30	3	4	5500 - 8000	1,472
610 11	140	20	30	3	5	5500 - 8000	1,962
610 12	140	20	30	3	5,5	5500 - 8000	1,962
610 13	140	20	30	3	6	5500 - 8000	1,962
610 14	140	25	30	3	7,5	5500 - 8000	2,453
610 15	140	30	30	3	10	5500 - 8000	2,944
610 16	140	35	30	3	12,5	5500 - 8000	3,434
610 17	140	40	30	3	15	5500 - 8000	3,925
610 18	140	50	30	3	20	5500 - 8000	4,906
610 19	140	15	35	3	4	5500 - 8000	1,446
610 20	140	20	35	3	5	5500 - 8000	1,928
610 21	140	20	35	3	5,5	5500 - 8000	1,928
610 22	140	20	35	3	6	5500 - 8000	1,928
610 23	140	25	35	3	7,5	5500 - 8000	2,410
610 24	140	30	35	3	10	5500 - 8000	2,893
610 25	140	35	35	3	12,5	5500 - 8000	3,375
610 26	140	40	35	3	15	5500 - 8000	3,857
610 27	140	50	35	3	20	5500 - 8000	4,821
610 28	140	15	40	3	4	5500 - 8000	1,417
610 29	140	20	40	3	5	5500 - 8000	1,889
610 30	140	20	40	3	5,5	5500 - 8000	1,889
610 31	140	20	40	3	6	5500 - 8000	1,889
610 32	140	25	40	3	7,5	5500 - 8000	2,361
610 33	140	30	40	3	10	5500 - 8000	2,834
610 34	140	35	40	3	12,5	5500 - 8000	3,306
610 35	140	40	40	3	15	5500 - 8000	3,778
610 36	140	50	40	3	20	5500 - 8000	4,723
610 37	140	15	50	3	4	5500 - 8000	1,346
610 38	140	20	50	3	5	5500 - 8000	1,795
610 39	140	20	50	3	5,5	5500 - 8000	1,795
610 40	140	20	50	3	6	5500 - 8000	1,795
610 41	140	25	50	3	7,5	5500 - 8000	2,243
610 42	140	30	50	3	10	5500 - 8000	2,692
610 43	140	35	50	3	12,5	5500 - 8000	3,140
610 44	140	40	50	3	15	5500 - 8000	3,589
610 45	140	50	50	3	20	5500 - 8000	4,486

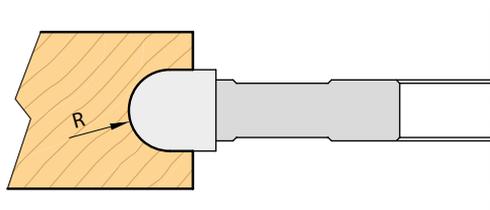
router half round

Fräsen für Halbrunde
Kanäle - Radiusprofil

fresas para canales semi-re-
dondos

fraises pour rainures en de-
mi-ronds

фреза для полукруглых
„каналов“ - радиусное
профилирование



Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
620 10	140	8	30	3	4	5500 - 8000	0,785
620 11	140	10	30	3	5	5500 - 8000	0,981
620 12	140	12	30	3	6	5500 - 8000	1,177
620 13	140	15	30	3	7,5	5500 - 8000	1,472
620 14	140	20	30	3	10	5500 - 8000	1,962
620 15	140	25	30	3	12,5	5500 - 8000	2,453
620 16	140	30	30	3	15	5500 - 8000	2,944
620 17	140	40	30	3	20	5500 - 8000	3,925
620 18	140	8	35	3	4	5500 - 8000	0,771
620 19	140	10	35	3	5	5500 - 8000	0,964
620 20	140	12	35	3	6	5500 - 8000	1,157
620 21	140	15	35	3	7,5	5500 - 8000	1,446
620 22	140	20	35	3	10	5500 - 8000	1,928
620 23	140	25	35	3	12,5	5500 - 8000	2,410
620 24	140	30	35	3	15	5500 - 8000	2,893
620 25	140	40	35	3	20	5500 - 8000	3,857
620 26	140	8	40	3	4	5500 - 8000	0,756
620 27	140	10	40	3	5	5500 - 8000	0,945
620 28	140	12	40	3	6	5500 - 8000	1,133
620 29	140	15	40	3	7,5	5500 - 8000	1,417
620 30	140	20	40	3	10	5500 - 8000	1,889
620 31	140	25	40	3	12,5	5500 - 8000	2,361
620 32	140	30	40	3	15	5500 - 8000	2,834
620 33	140	40	40	3	20	5500 - 8000	3,778
620 34	140	8	50	3	4	5500 - 8000	0,718
620 35	140	10	50	3	5	5500 - 8000	0,897
620 36	140	12	50	3	6	5500 - 8000	1,077
620 37	140	15	50	3	7,5	5500 - 8000	1,346
620 38	140	20	50	3	10	5500 - 8000	1,795
620 39	140	25	50	3	12,5	5500 - 8000	2,243
620 40	140	30	50	3	15	5500 - 8000	2,692
620 41	140	40	50	3	20	5500 - 8000	3,589



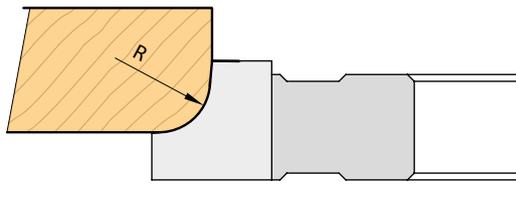
1/4 round cutter (profile radius)

Fräse 1/4-Rund - Radius-profil

fresa de 1/4 de redondo (perfil de rayo)

fraises chanfrein pour 1/4 de rond

фреза ¼ округлости - радиусное профилирование



Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
630 10	140	15	30	3	3	5500 - 8000	1,472
630 11	140	20	30	3	10	5500 - 8000	1,962
630 12	140	20	30	3	12	5500 - 8000	1,962
630 13	140	25	30	3	15	5500 - 8000	2,453
630 14	140	30	30	3	20	5500 - 8000	2,944
630 15	140	35	30	3	25	5500 - 8000	3,434
630 16	160	45	30	3	30	4800 - 7100	5,832
630 17	170	50	30	3	35	4800 - 7100	7,346
630 18	170	55	30	3	40	4300 - 6300	8,081
630 19	190	65	30	3	50	3900 - 7000	12,006
630 20	140	15	35	3	3	5500 - 8000	1,446
630 21	140	20	35	3	10	5500 - 8000	1,928
630 22	140	20	35	3	12	5500 - 8000	1,928
630 23	140	25	35	3	15	5500 - 8000	2,410
630 24	140	30	35	3	20	5500 - 8000	2,893
630 25	140	35	35	3	25	5500 - 8000	3,375
630 26	150	45	35	3	30	4800 - 7100	5,024
630 27	170	50	35	3	35	4800 - 7100	7,261
630 28	170	55	35	3	40	4300 - 6300	7,987
630 29	190	65	35	3	50	3900 - 7000	11,895
630 30	140	15	40	3	3	5500 - 8000	1,417
630 31	140	20	40	3	10	5500 - 8000	1,889
630 32	140	20	40	3	12	5500 - 8000	1,889
630 33	140	25	40	3	15	5500 - 8000	2,361
630 34	140	30	40	3	20	5500 - 8000	2,834
630 35	140	35	40	3	25	5500 - 8000	3,306
630 36	160	45	40	3	30	4800 - 7100	5,667
630 37	170	50	40	3	35	4800 - 7100	7,162
630 38	180	55	40	3	40	4300 - 6300	8,889
630 39	185	65	40	3	50	3900 - 7000	11,127
630 40	140	15	50	3	3	5500 - 8000	1,346
630 41	140	20	50	3	10	5500 - 8000	1,795
630 42	140	20	50	3	12	5500 - 8000	1,795
630 43	140	25	50	3	15	5500 - 8000	2,243
630 44	140	30	50	3	20	5500 - 8000	2,692
630 45	150	35	50	3	25	5500 - 8000	3,673
630 46	160	45	50	3	30	4800 - 7100	5,455
630 47	175	50	50	3	35	4800 - 7100	7,379
630 48	180	55	50	3	40	4300 - 6300	8,629
630 49	200	65	50	3	50	3900 - 7000	12,790

Art. 640

frese per profili mezz tondi - profilo a raggio

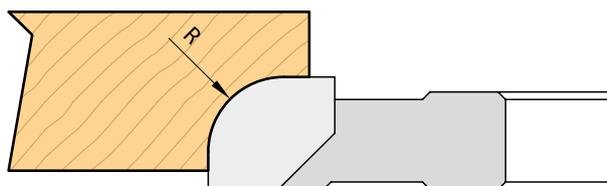
profile cutter for half round profiles

Fräsen für Halbrunde Profile - Radiusprofil

fresas para perfiles semi-redondos

fraises pour profils demi-ronds

фрезы для полукруглых профилей - радиусное профилирование

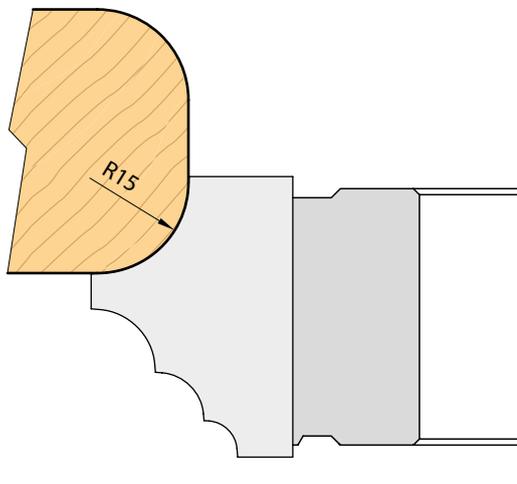
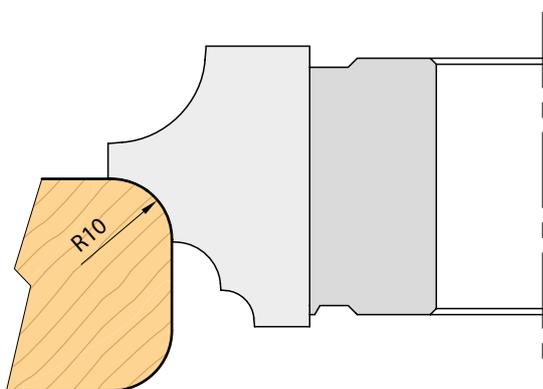
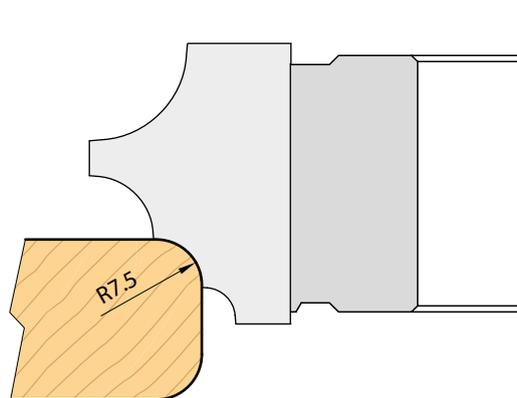
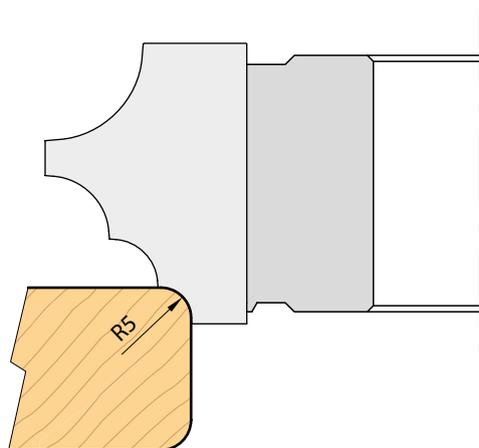
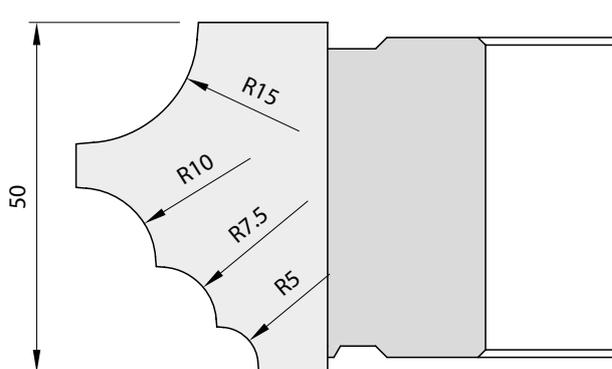


Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
640 10	140	15	30	3	10	5500 - 8000	1,472
640 11	140	20	30	3	15	5500 - 8000	1,962
640 12	140	25	30	3	20	5500 - 8000	2,453
640 13	140	30	30	3	25	5500 - 8000	2,944
640 14	160	35	30	3	30	4800 - 7100	4,536
640 15	160	40	30	3	35	4800 - 7100	5,184
640 16	165	50	30	3	40	4300 - 6300	6,907
640 17	165	55	30	3	45	3900 - 7000	7,597
640 18	185	60	30	3	50	3900 - 7000	10,492
640 19	140	15	35	3	10	5500 - 8000	1,446
640 20	140	20	35	3	15	5500 - 8000	1,928
640 21	140	25	35	3	20	5500 - 8000	2,410
640 22	140	30	35	3	25	5500 - 8000	2,893
640 23	160	35	35	3	30	4800 - 7100	4,477
640 24	160	40	35	3	35	4800 - 7100	5,116
640 25	165	50	35	3	40	4300 - 6300	6,821
640 26	165	55	35	3	45	3900 - 7000	7,504
640 27	185	60	35	3	50	3900 - 7000	10,390
640 28	140	15	40	3	10	5500 - 8000	1,417
640 29	140	20	40	3	15	5500 - 8000	1,889
640 30	140	25	40	3	20	5500 - 8000	2,361
640 31	140	30	40	3	25	5500 - 8000	2,834
640 32	160	35	40	3	30	4800 - 7100	4,408
640 33	160	40	40	3	35	4800 - 7100	5,037
640 34	185	50	40	3	40	4300 - 6300	8,560
640 35	185	55	40	3	45	3900 - 7000	9,416
640 36	200	60	40	3	50	3900 - 7000	12,090
640 37	140	15	50	3	10	5500 - 8000	1,346
640 38	140	20	50	3	15	5500 - 8000	1,795
640 39	140	25	50	3	20	5500 - 8000	2,243
640 40	140	30	50	3	25	5500 - 8000	2,692
640 41	160	35	50	3	30	4800 - 7100	4,242
640 42	160	40	50	3	35	4800 - 7100	4,848
640 43	185	50	50	3	40	4300 - 6300	8,323
640 44	200	55	50	3	45	3900 - 7000	10,822
640 45	200	60	50	3	50	3900 - 7000	11,806





Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
665 10	145	50	30	2	5/7,5/10/15	5500 - 8000	4,969
665 11	145	50	35	2	5/7,5/10/15	5500 - 8000	4,889
665 12	145	50	40	2	5/7,5/10/15	5500 - 8000	4,797
665 13	155	50	50	2	5/7,5/10/15	5500 - 8000	5,315



Art. 675

gruppo frese per arrotondare e smussare

cutters set for bearding and chamfering

Fräseinheit zum abrunden und anfasen

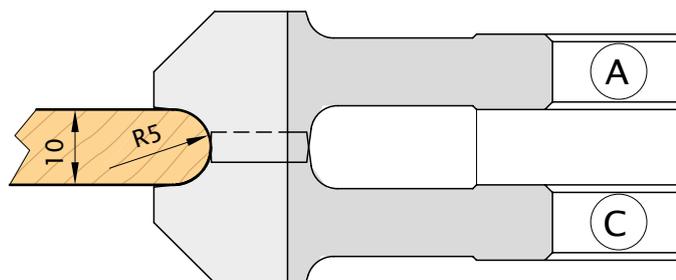
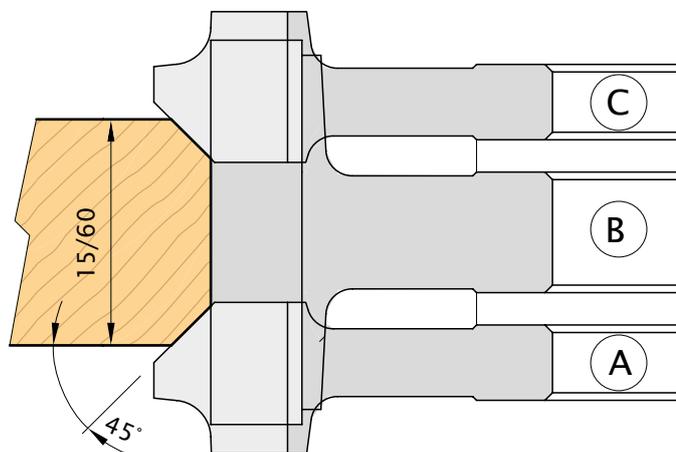
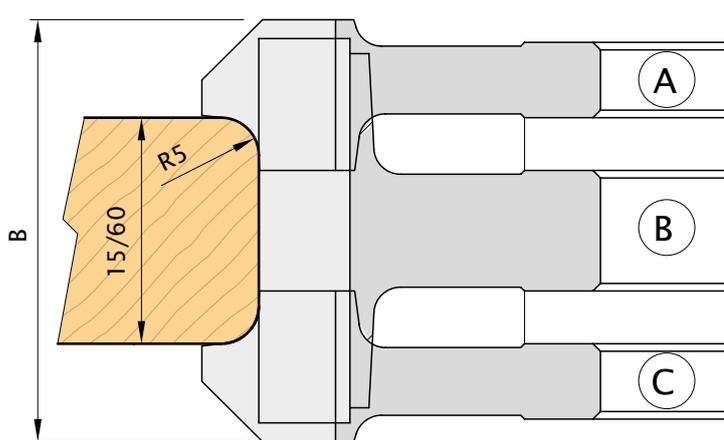
grupo fresas para redondear y chaflanar

jeu de fraises pour rayons et chanfreines

серия фрез для округления и обработки кромок



Cod.	ø D mm	B mm	ø d mm	Z	R mm	rpm min/max	weight kg.
675 10	145	80	30	3	5/45°	5200 - 8500	7,951
675 11	145	80	35	3	5/45°	5200 - 8500	7,823
675 12	145	80	40	3	5/45°	5200 - 8500	7,675
675 13	145	80	50	3	5/45°	5200 - 8500	7,319



Art. 479

gruppo frese femmina per parchetti

female cutter set for parqueting

Federfräs-einheit für Parkettdielen

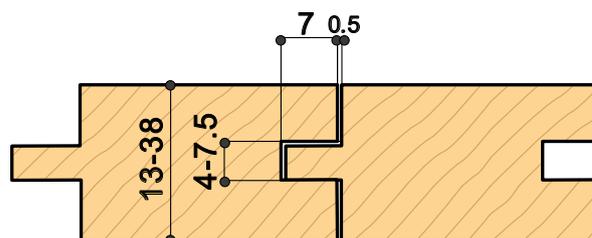
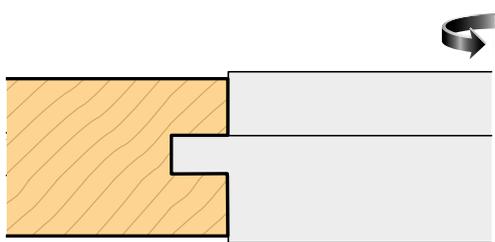
grupo fresas hembra para parques

jeu de fraises à mortaise pour parquet

серия паркетных фрез "паз"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
479 10	140	40	30	4	5500 - 8000	3,001
479 11	140	40	35	4	5500 - 8000	2,949
479 12	140	40	40	4	5500 - 8000	2,889
479 13	140	40	50	4	5500 - 8000	2,745



Art. 411

gruppo frese maschio per parchetti

male cutters set for parqueting

Federfräs-einheit für Parkettdielen

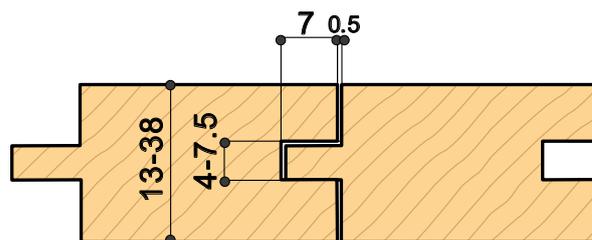
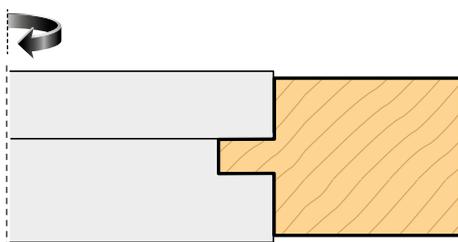
grupo fresas macho para parques

jeu de fraises à tenon pour parquet

серия паркетных фрез "гребень"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
411 10	140	40	30	4	5500 - 8000	3,001
411 11	140	40	35	4	5500 - 8000	2,949
411 12	140	40	40	4	5500 - 8000	2,889
411 13	140	40	50	4	5500 - 8000	2,745



Art. 435

gruppo frese femmina per perline

female cutter set for
marchboard

Federfräs-einheit für
Spundbretter

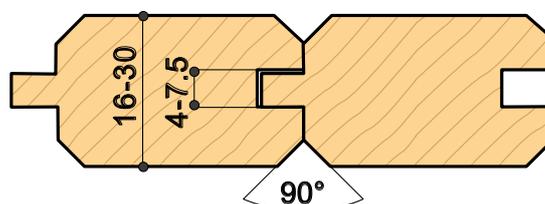
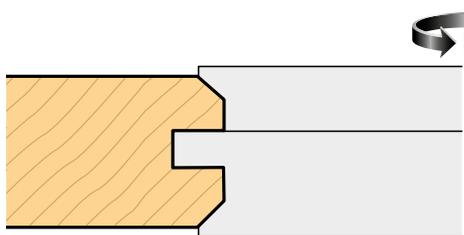
grupo fresas hembra para
machihembrado

jeu de fraises à mortaise
pour lambris

серия фрез для
евровагонки "паз"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
435 10	140	40	30	4	5500 - 8000	3,001
435 11	140	40	35	4	5500 - 8000	2,949
435 12	140	40	40	4	5500 - 8000	2,889
435 13	140	40	50	4	5500 - 8000	2,745



Art. 491

gruppo frese maschio per perline

male cutters set for
marchboard

Federfräs-einheit für
Spundbretter

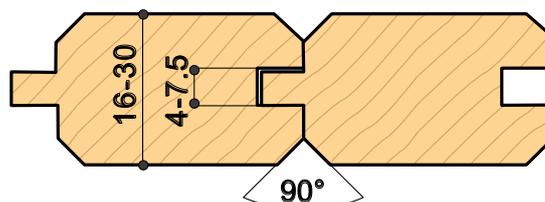
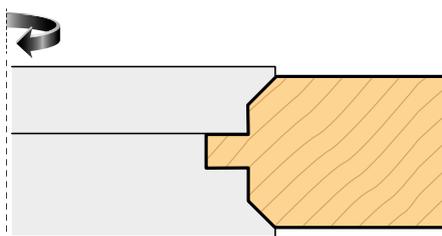
grupo fresas macho para
machihembrado

jeu de fraises à tenon pour
lambris

серия фрез для
евровагонки "гребень"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
491 10	150	40	30	4	5500 - 8000	3,467
491 11	150	40	35	4	5500 - 8000	3,415
491 12	150	40	40	4	5500 - 8000	3,355
491 13	150	40	50	4	5500 - 8000	3,210



Art. 459

gruppo frese femmina per perline

female cutter set for
marchboard

Federfräs-einheit für
Spundbretter

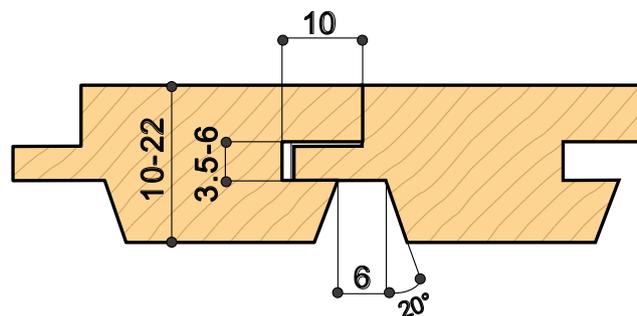
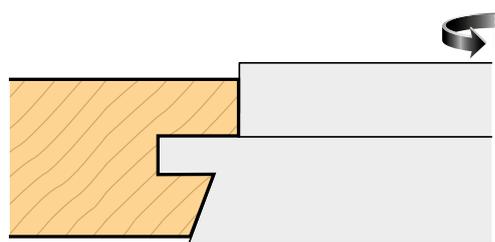
grupo fresas hembra para
machihembrado

jeu de fraises à mortaise
pour lambris

серия фрез для
евровагонки "паз"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
459 10	140	30	30	4	5500 - 8000	2,251
459 11	140	30	35	4	5500 - 8000	2,212
459 12	140	30	40	4	5500 - 8000	2,167
459 13	140	30	50	4	5500 - 8000	2,058



Art. 431

gruppo frese maschio per perline

male cutters set for
marchboard

Federfräs-einheit für
Spundbretter

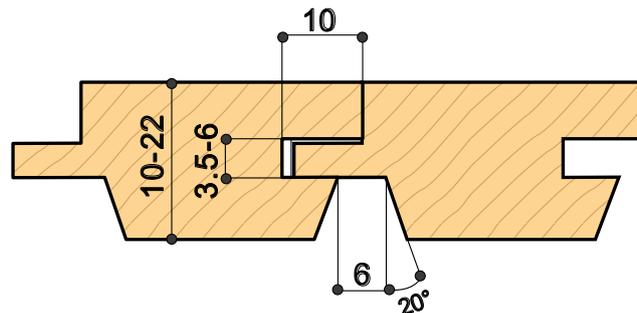
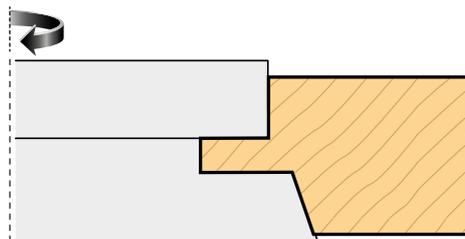
grupo fresas macho para
machihembrado

jeu de fraises à tenon pour
lambris

серия фрез для
евровагонки "гребень"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
431 10	155	30	30	4	5500 - 8000	2,784
431 11	155	30	35	4	5500 - 8000	2,745
431 12	155	30	40	4	5500 - 8000	2,699
431 13	155	30	50	4	5500 - 8000	2,591



Art. 467

gruppo frese femmina per perline

female cutter set for
marchboard

Federfräs-einheit für
Spundbretter

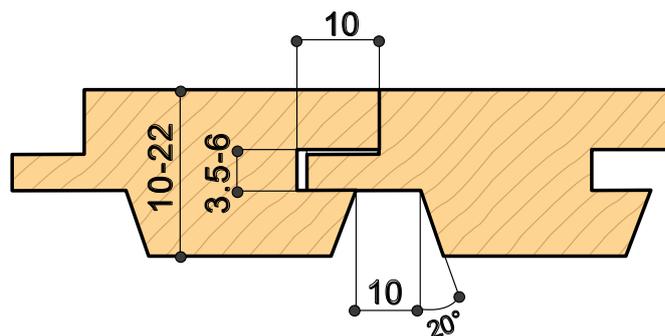
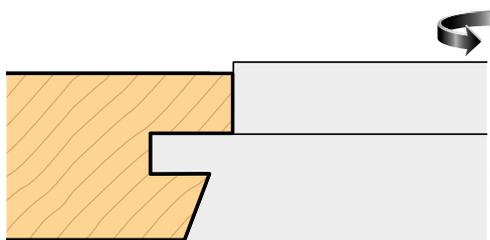
grupo fresas hembra para
machihembrado

jeu de fraises à mortaise
pour lambris

серия фрез для
евровагонки "паз"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
467 10	160	30	30	4	5500 - 8000	2,973
467 11	160	30	35	4	5500 - 8000	2,934
467 12	160	30	40	4	5500 - 8000	2,889
467 13	160	30	50	4	5500 - 8000	2,781



Art. 483

gruppo frese maschio per perline

male cutters set for
marchboard

Federfräs-einheit für
Spundbretter

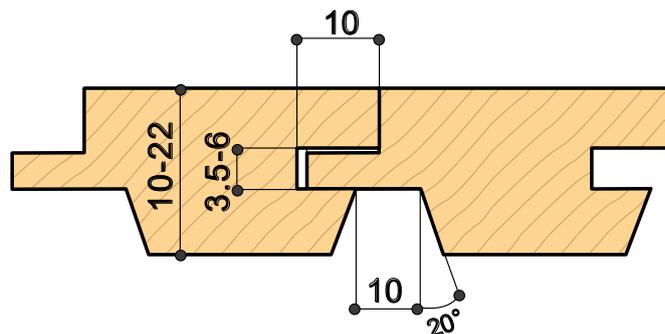
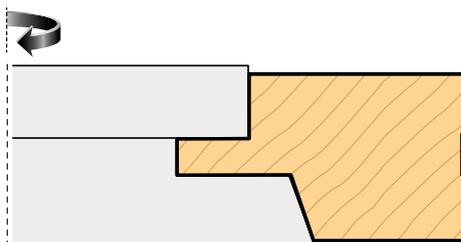
grupo fresas macho para
machihembrado

jeu de fraises à tenon pour
lambris

серия фрез для
евровагонки "гребень"



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
483 10	160	30	30	4	5500 - 8000	2,973
483 11	160	30	35	4	5500 - 8000	2,934
483 12	160	30	40	4	5500 - 8000	2,889
483 13	160	30	50	4	5500 - 8000	2,781



shaped cutters

FormFräsen für Profilabdeckung

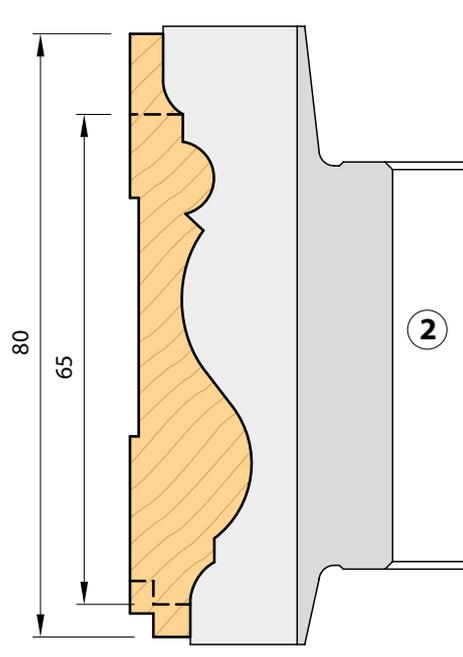
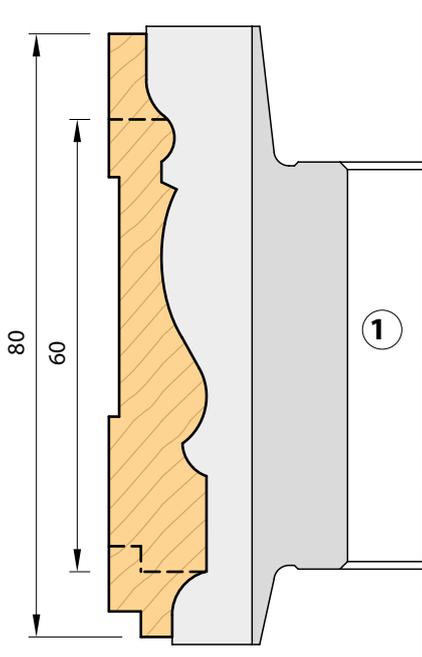
fresas moldeadas para cubrefiletes

fraises profilées

фрезы шаблонные
филёнчатые



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1025 10 1	140	80	30	3	5500 - 9500	6,926
1025 11 1	140	80	35	3	5500 - 9500	6,806
1025 12 1	140	80	40	3	5500 - 9500	6,667
1025 13 1	140	80	50	3	5500 - 9500	6,334
1025 14 2	140	80	30	3	5500 - 9500	6,926
1025 15 2	140	80	35	3	5500 - 9500	6,806
1025 16 2	140	80	40	3	5500 - 9500	6,667
1025 17 2	140	80	50	3	5500 - 9500	6,334



Art. 1026

gruppo frese per passamano

cutters set for trimmings

Fräseinheit für Handlauf

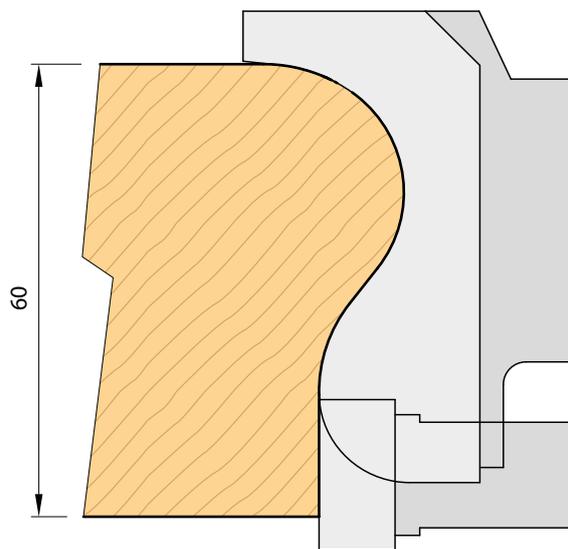
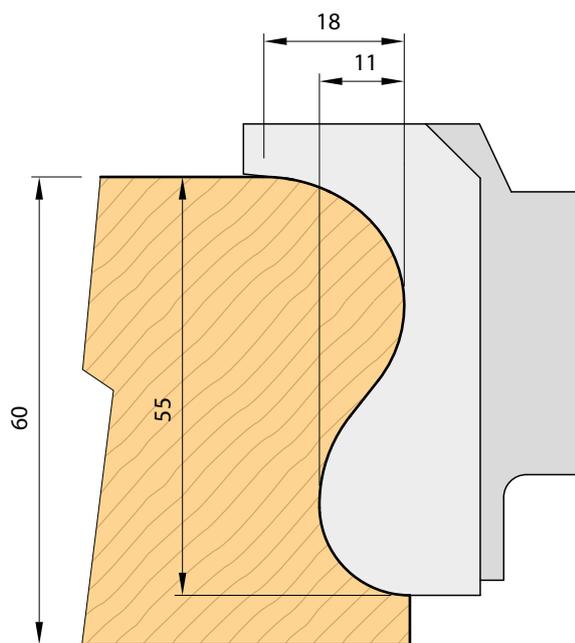
grupo fresas para pasamanos

jeu de fraises pour main-courante

серия фрез для поручней



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1026 10	160	64	30	2	5500 - 9500	7,319
1026 11	160	64	35	2	5500 - 9500	7,223
1026 12	160	64	40	2	5500 - 9500	7,112
1026 13	160	64	50	2	5500 - 9500	6,845



Art. 2050

gruppo frese per profilo e controprofilo

profile and counter profile
cutter

Fräseinheit für Profil und
Gegenprofil

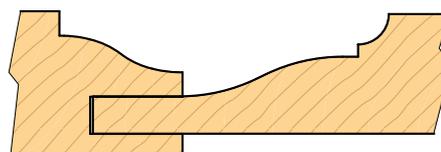
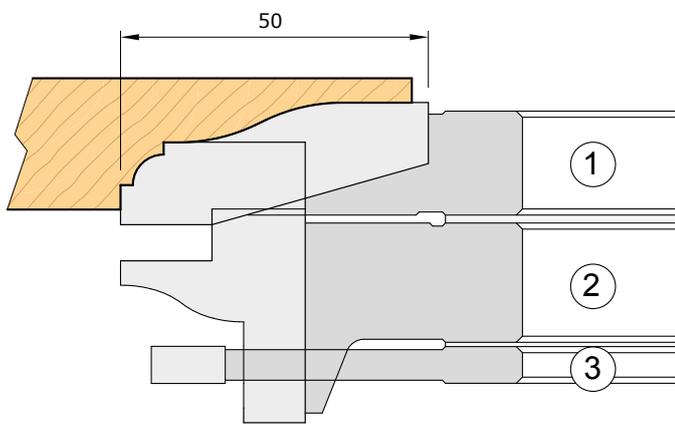
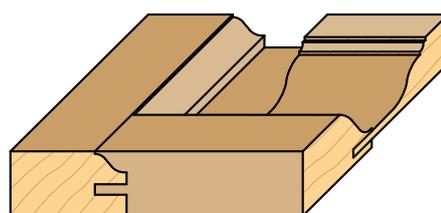
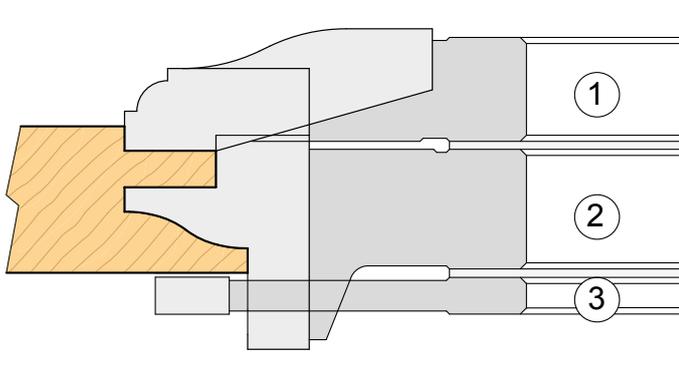
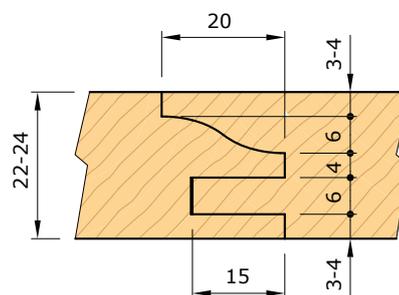
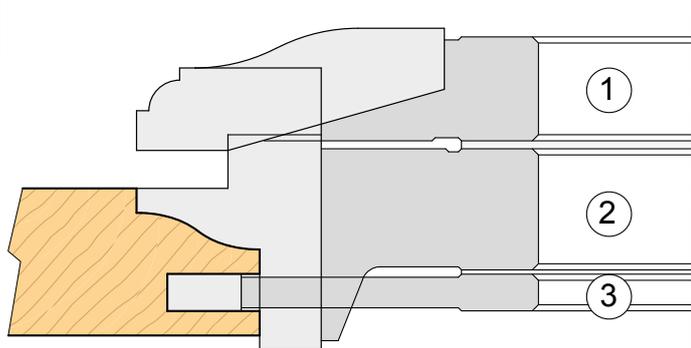
grupo de fresas para perfil
y contraperfil

jeu de fraises pour profils
et contre-profils

серия фрез профиль и
контрпрофиль для
дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2050 10	180	50	30	2+2	4300 - 7300	7,778
2050 11	180	50	35	2+2	4300 - 7300	7,698
2050 12	180	50	40	2+2	4300 - 7300	7,605
2050 13	180	50	50	2+2	4300 - 7300	7,383



profile and counter profile cutter

Fräseinheit für Profil und Gegenprofil

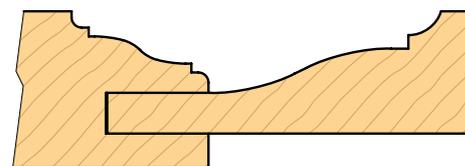
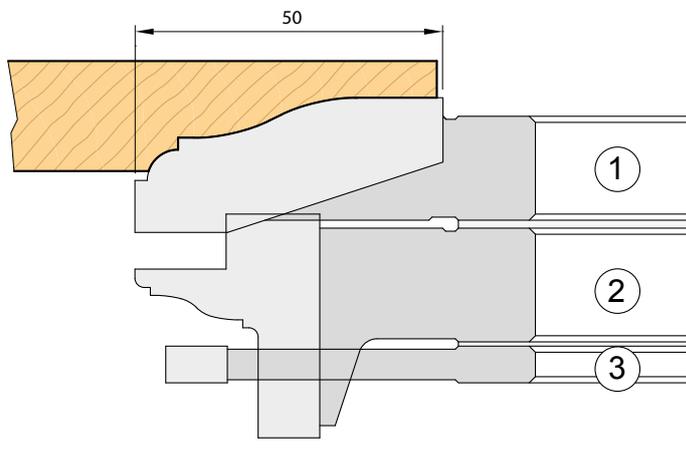
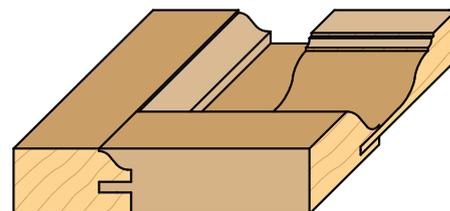
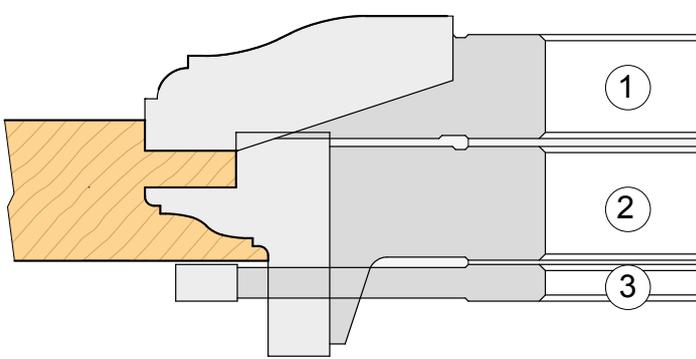
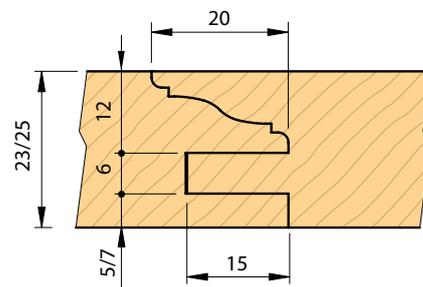
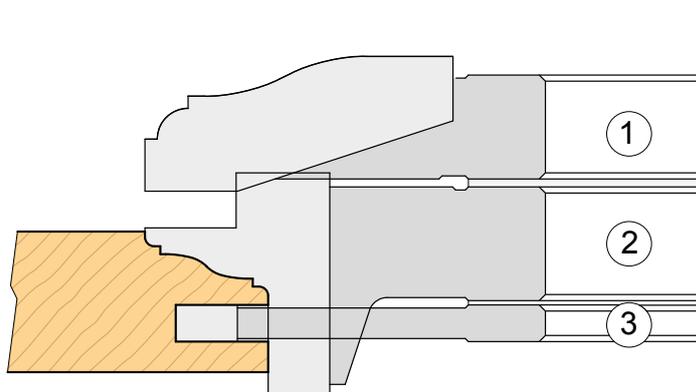
grupo de fresas para perfil y contraperfil

jeu de fraises pour profils et contre-profils

серия фрез профиль и контрпрофиль для дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
2022 10	180	50	30	2+2	4300 - 7300	7,778
2022 11	180	50	35	2+2	4300 - 7300	7,698
2022 12	180	50	40	2+2	4300 - 7300	7,605
2022 13	180	50	50	2+2	4300 - 7300	7,383



profile and counter profile cutter

Fräseinheit für Profil und Gegenprofil

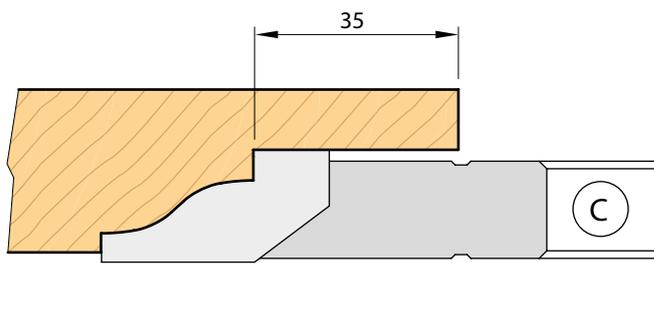
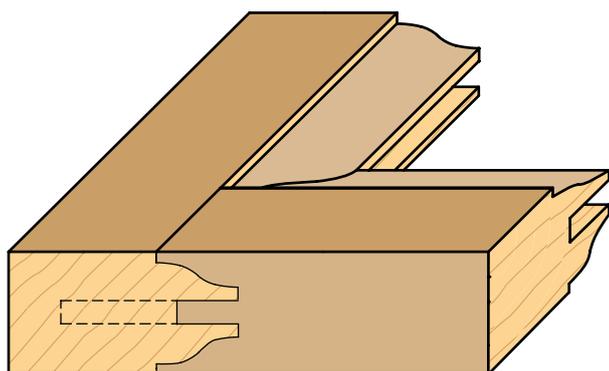
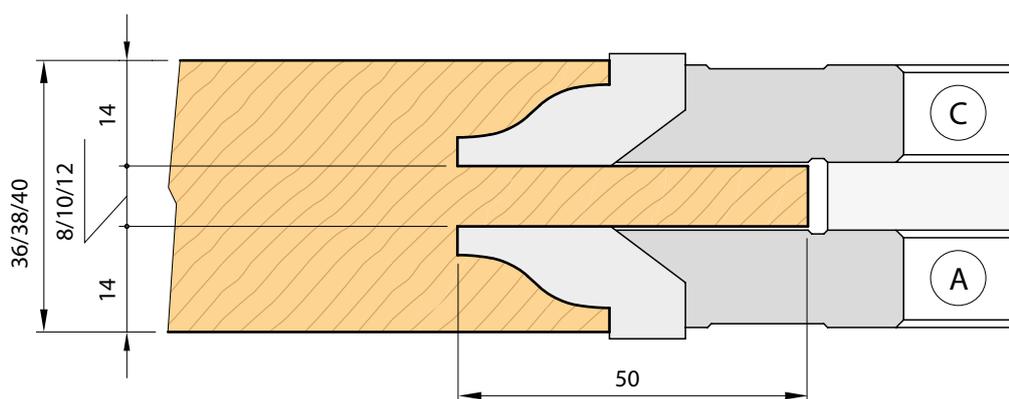
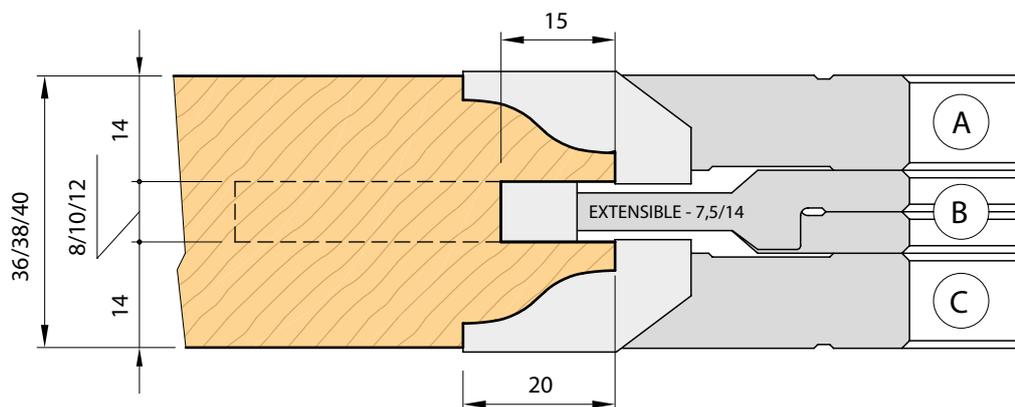
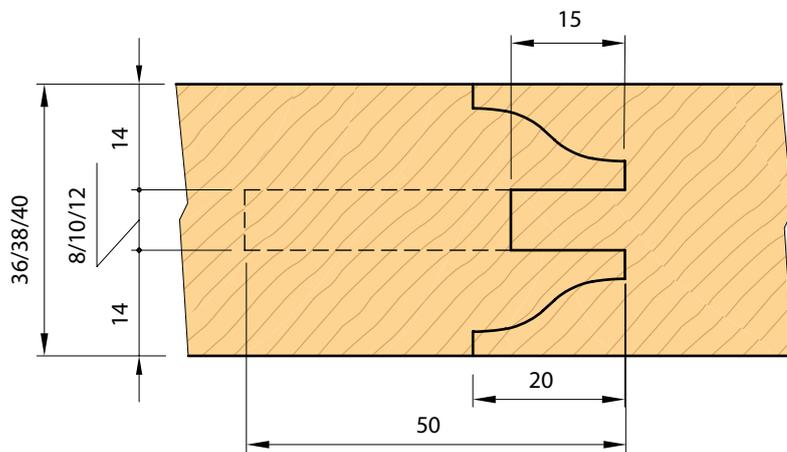
grupo de fresas para perfil y contraperfil

jeu de fraises pour profils et contre-profils

серия фрез профиль и контрпрофиль для дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
147 ABC 10	160	50	30	2	4300 - 6300	6,099
147 ABC 11	160	50	35	2	4300 - 6300	6,019
147 ABC 12	160	50	40	2	4300 - 6300	5,926
147 ABC 13	160	50	50	2	4300 - 6300	5,704



Art. 719

frese per giunzioni

jointing cutters

Fräsen für Bünde

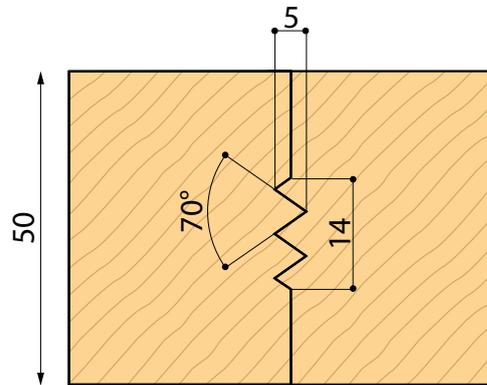
fresas para ensambladuras

fraises pour aboutage

фрезы для сращивания



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
719 10	140	50	30	3	6000 - 10000	5,022
719 11	140	50	35	3	6000 - 10000	4,934
719 12	140	50	40	3	6000 - 10000	4,834
719 13	140	50	50	3	6000 - 10000	4,592



Art. 735

frese per giunzioni lungo vena su legni massicci

cutter for joint with the grain joints in solid wood

Fräsen für Bünde in Faser-richtung auf Massivhölzern

fresas para ensambladuras a lo largo de vena en made- ras solidas

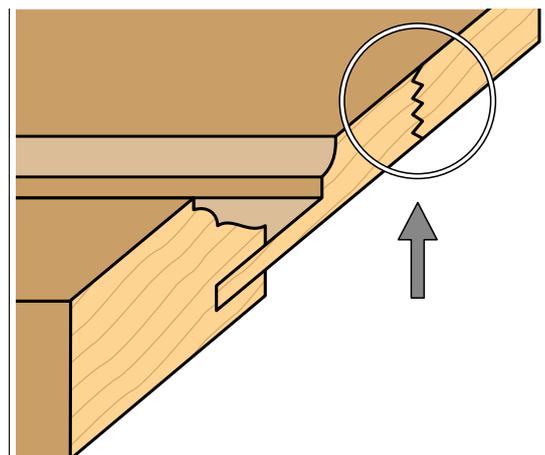
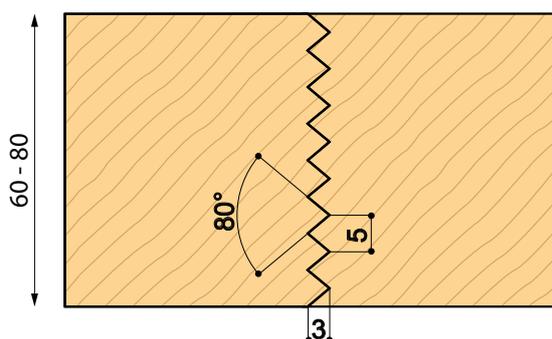
fraises pour laboutage dans le sens des fibres sur bois massif

фрезы для продольного сращивания твердой древесины



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
735 10	125	60	30	2	6000 - 10000	4,909
735 11	125	60	35	2	6000 - 10000	4,800
735 12	125	60	40	2	6000 - 10000	4,675
735 13	125	60	50	2	6000 - 10000	4,375
735 14	125	80	30	2	6000 - 10000	6,545
735 15	125	80	35	2	6000 - 10000	6,400
735 16	125	80	40	2	6000 - 10000	6,234
735 17	125	80	50	2	6000 - 10000	5,834

Spess. 2,5



Art. 1035

frese per piattabande per specchietti

cutter for platebands and small panels

Fräsen für Spiegelstürze

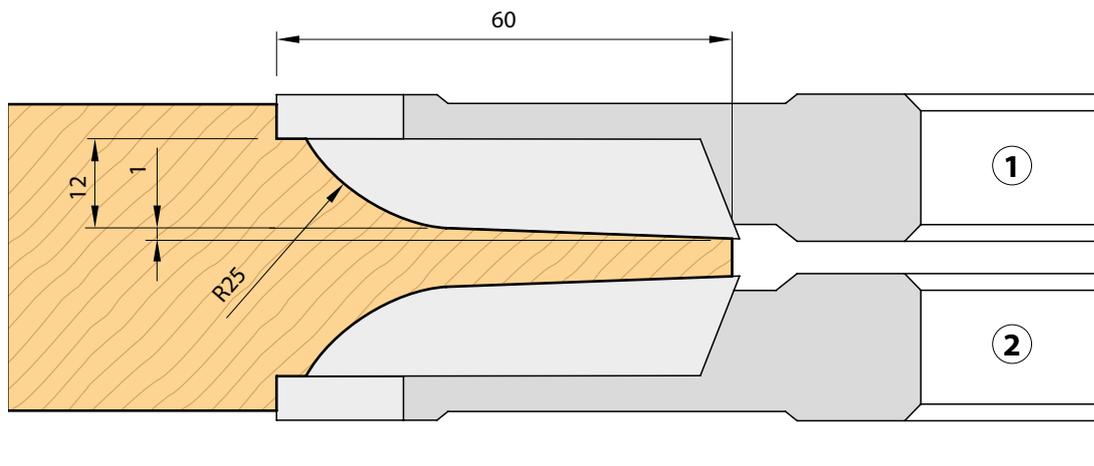
fresas para platabandas para pequeños paneles

fraises pour plates-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1035 10 1	200	20	30	2+2	3900 - 6500	4,200
1035 11 1	200	20	35	2+2	3900 - 6500	4,165
1035 12 1	200	20	40	2+2	3900 - 6500	4,125
1035 13 1	200	20	50	2+2	3900 - 6500	4,028
1035 14 2	200	20	30	2+2	3900 - 6500	4,200
1035 15 2	200	20	35	2+2	3900 - 6500	4,165
1035 16 2	200	20	40	2+2	3900 - 6500	4,125
1035 17 2	200	20	50	2+2	3900 - 6500	4,028



Art. 1027

frese per piattabande per specchietti

cutter for platebands and small panels

Fräsen für Spiegelstürze

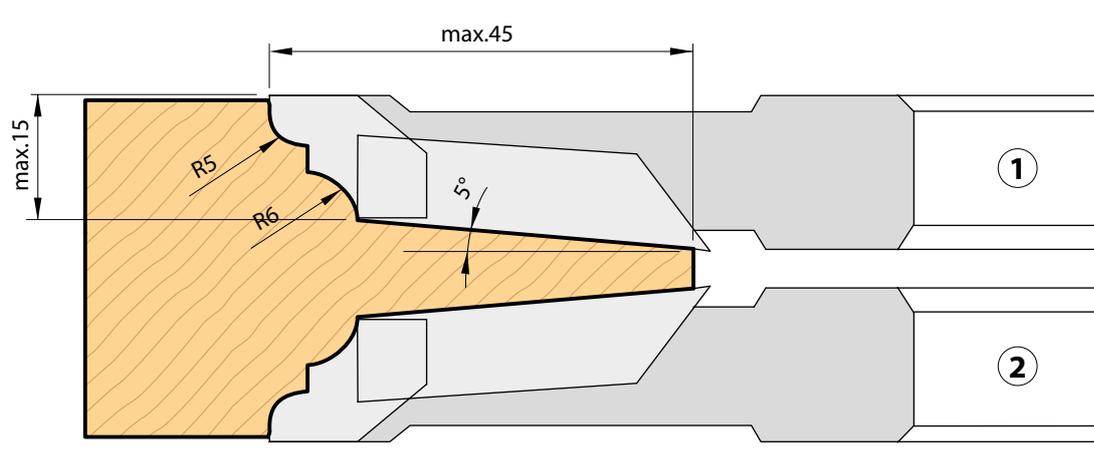
fresas para platabandas para pequeños paneles

fraises pour plates-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1027 10 1	200	20	30	2+2	3900 - 6500	4,200
1027 11 1	200	20	35	2+2	3900 - 6500	4,165
1027 12 1	200	20	40	2+2	3900 - 6500	4,125
1027 13 1	200	20	50	2+2	3900 - 6500	4,028
1027 14 2	200	20	30	2+2	3900 - 6500	4,200
1027 15 2	200	20	35	2+2	3900 - 6500	4,165
1027 16 2	200	20	40	2+2	3900 - 6500	4,125
1027 17 2	200	20	50	2+2	3900 - 6500	4,028



Art. 1019

frese per piattabande per specchietti

cutter for platebands and small panels

Fräsen für Spiegelstürze

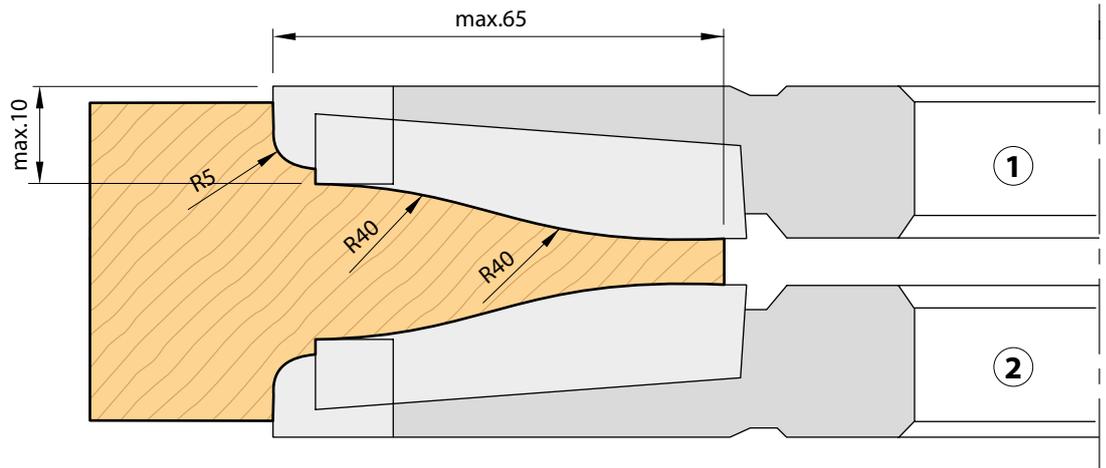
fresas para platabandas para pequeños paneles

fraises pour plates-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1019 10 1	200	20	30	2+2	3900 - 6500	4,200
1019 11 1	200	20	35	2+2	3900 - 6500	4,165
1019 12 1	200	20	40	2+2	3900 - 6500	4,125
1019 13 1	200	20	50	2+2	3900 - 6500	4,028
1019 14 2	200	20	30	2+2	3900 - 6500	4,200
1019 15 2	200	20	35	2+2	3900 - 6500	4,165
1019 16 2	200	20	40	2+2	3900 - 6500	4,125
1019 17 2	200	20	50	2+2	3900 - 6500	4,028



Art. 1011

frese per piattabande per specchietti

cutter for platebands and small panels

Fräsen für Spiegelstürze

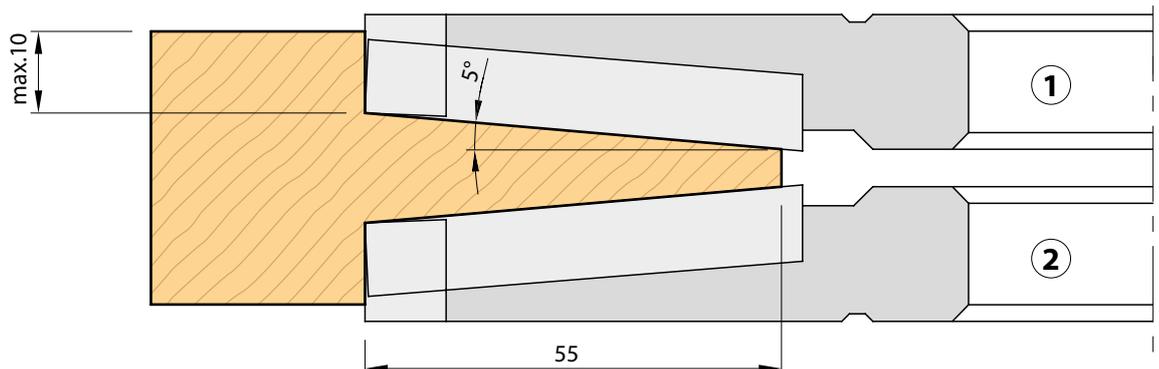
fresas para platabandas para pequeños paneles

fraises pour plates-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1011 10 1	200	20	30	2+2	3900 - 6500	4,200
1011 11 1	200	20	35	2+2	3900 - 6500	4,165
1011 12 1	200	20	40	2+2	3900 - 6500	4,125
1011 13 1	200	20	50	2+2	3900 - 6500	4,028
1011 14 2	200	20	30	2+2	3900 - 6500	4,200
1011 15 2	200	20	35	2+2	3900 - 6500	4,165
1011 16 2	200	20	40	2+2	3900 - 6500	4,125
1011 17 2	200	20	50	2+2	3900 - 6500	4,028



Art. 1015

frese per piattabande per specchiati

cutter for platebands and small panels

Fräsen für Spiegelstürze

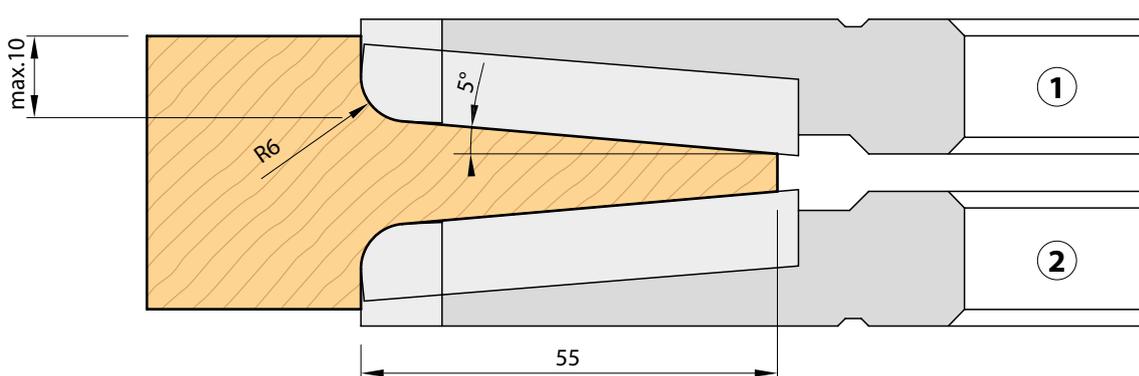
fresas para platabandas para pequeños paneles

fraises pour plates-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1015 10 1	200	20	30	2+2	3900 - 6500	4,200
1015 11 1	200	20	35	2+2	3900 - 6500	4,165
1015 12 1	200	20	40	2+2	3900 - 6500	4,125
1015 13 1	200	20	50	2+2	3900 - 6500	4,028
1015 14 2	200	20	30	2+2	3900 - 6500	4,200
1015 15 2	200	20	35	2+2	3900 - 6500	4,165
1015 16 2	200	20	40	2+2	3900 - 6500	4,125
1015 17 2	200	20	50	2+2	3900 - 6500	4,028



Art. 1017

fresa per piattabanda 5 profili

cutter for plateband 5 profiles

Fräse für 5-Profil-Türsturz

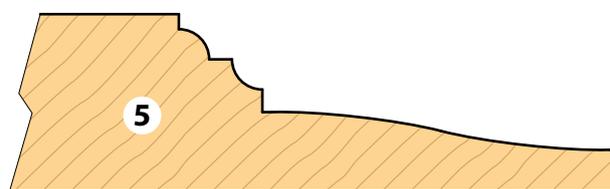
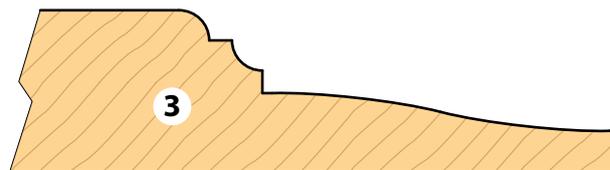
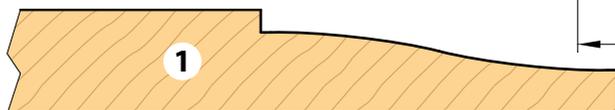
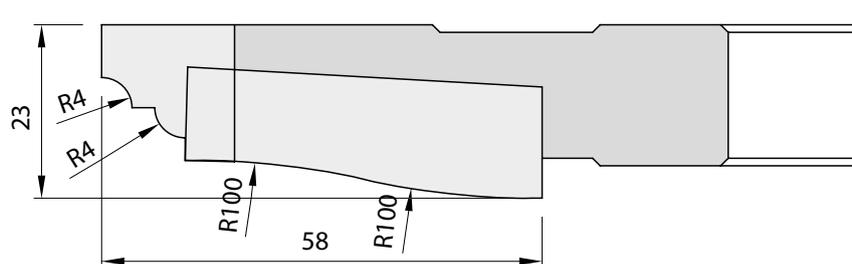
fresas para platabandas para 5 perfiles

fraise pour plate-bandes 5 profils

фреза для филёнчатой двери 5-ти профильная



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1017 10	200	20	30	2+2	3900 - 6500	4,200
1017 11	200	20	35	2+2	3900 - 6500	4,165
1017 12	200	20	40	2+2	3900 - 6500	4,125
1017 13	200	20	50	2+2	3900 - 6500	4,028



Art. 1093

frese per piattabande

cutter for platebands

Fräsen für türstürze

fresas para platabandas

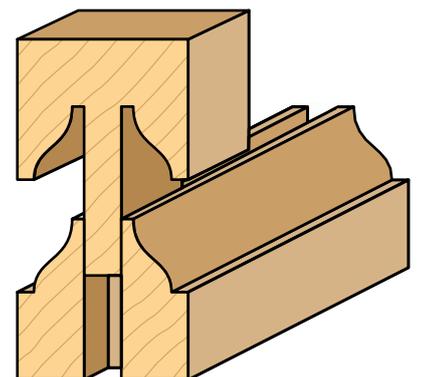
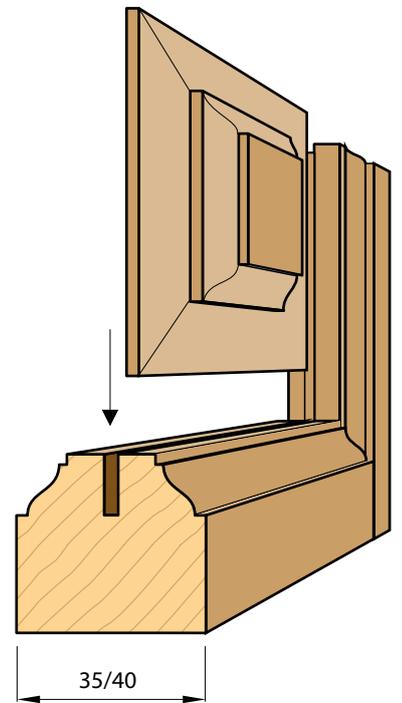
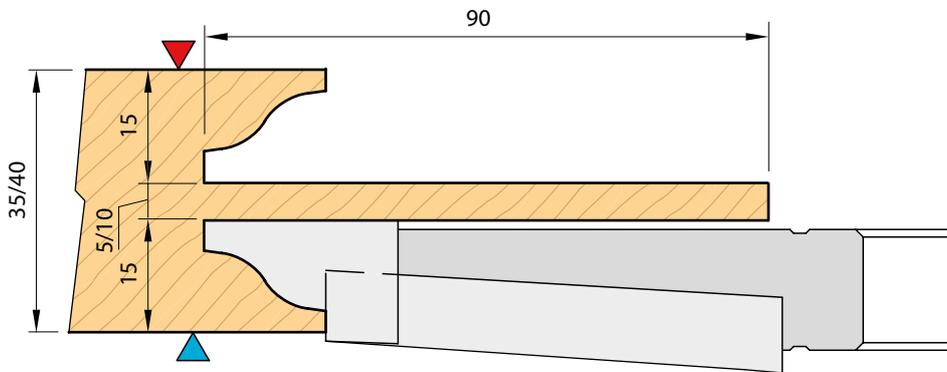
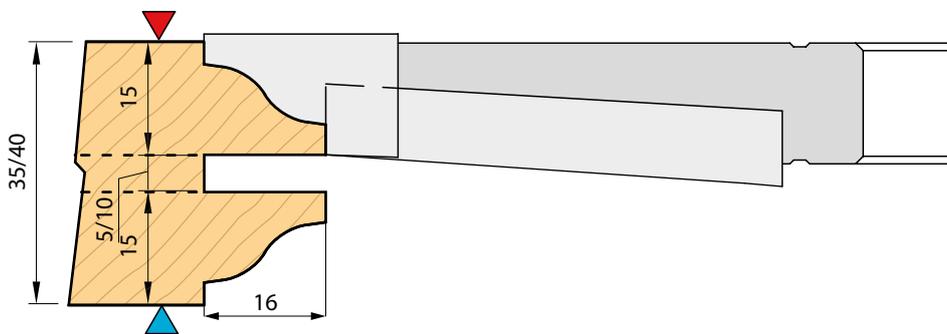
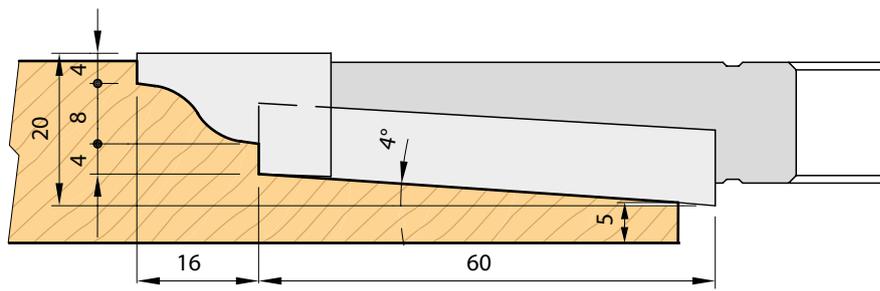
fraises pour plate-bandes

фрезы для филёчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1093 10	260	20	30	2+2	3100 - 5300	7,165
1093 11	260	20	35	2+2	3100 - 5300	7,130
1093 12	260	20	40	2+2	3100 - 5300	7,089
1093 13	260	20	50	2+2	3100 - 5300	6,993

programma per porte e portoncini
 program for doors and small doors
 Programm für Türen und Tor
 programa para puertas y pequeños portones
 programme pour portes et petites portes
 программа для дверей и дверц



Art. 1033

fresa per piattabanda 5 profili

cutter for plateband 5 profiles

Fräse für 5-Profil-Türsturz

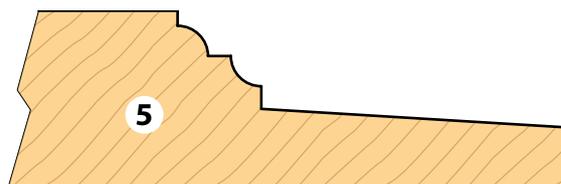
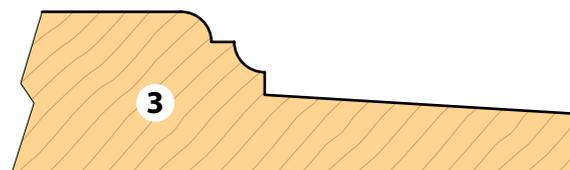
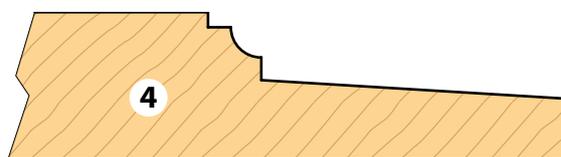
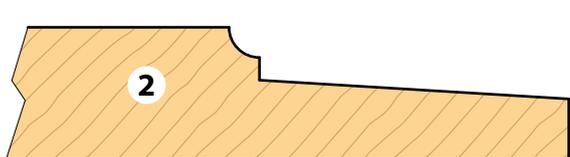
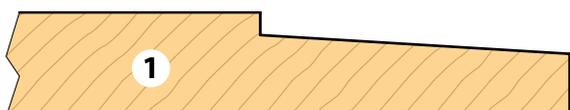
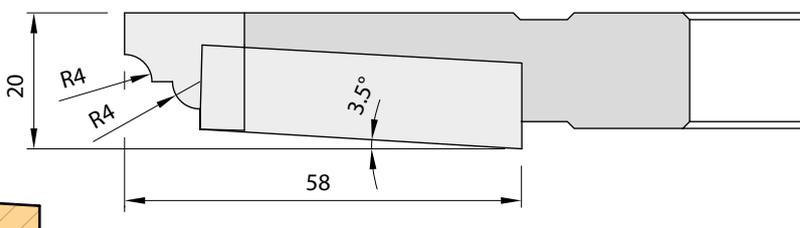
fresas para platabandas para 5 perfiles

fraise pour plate-bandes 5 profils

фреза для филёнчатой двери 5-ти профильная



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1033 10	200	20	30	2+2	3900 - 6500	4,200
1033 11	200	20	35	2+2	3900 - 6500	4,165
1033 12	200	20	40	2+2	3900 - 6500	4,125
1033 13	200	20	50	2+2	3900 - 6500	4,028



Art. 1801

frese per piattabande per specchietti

cutter for platebands and small panels

Fräsen für Spiegelstürze

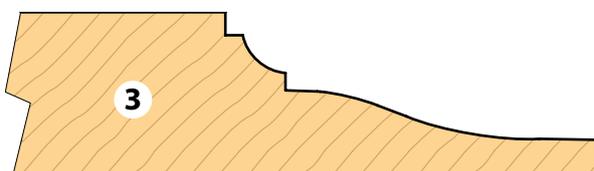
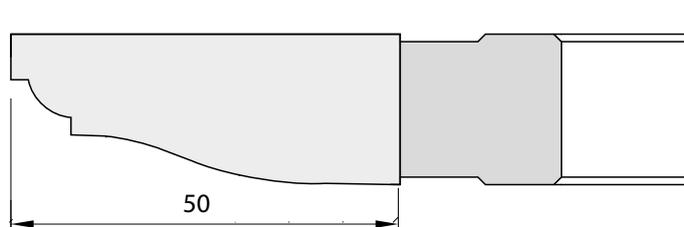
fresas para platabandas para pequeños paneles

fraises pour plate-bandes pour meubles de cuisine

фрезы для изготовления филёнчатых дверей



Cod.	ø D mm	B mm	ø d mm	Z	rpm min/max	weight kg.
1801 10	190	20	30	2	4400 - 7500	3,781
1801 11	190	20	35	2	4400 - 7500	3,746
1801 12	190	20	40	2	4400 - 7500	3,706
1801 13	190	20	50	2	4400 - 7500	3,609



Art. 340

fresе per bastoncini multipli

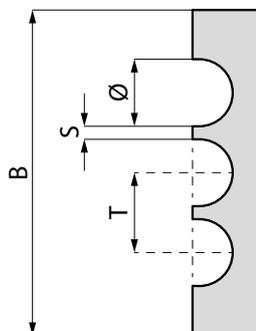
cutters for multiples sticks

Schneider für mehrere Stöcke

fresas para bastoncillo multiples

fraises pour bâtonnets multiples

фрезы для кратных палочек

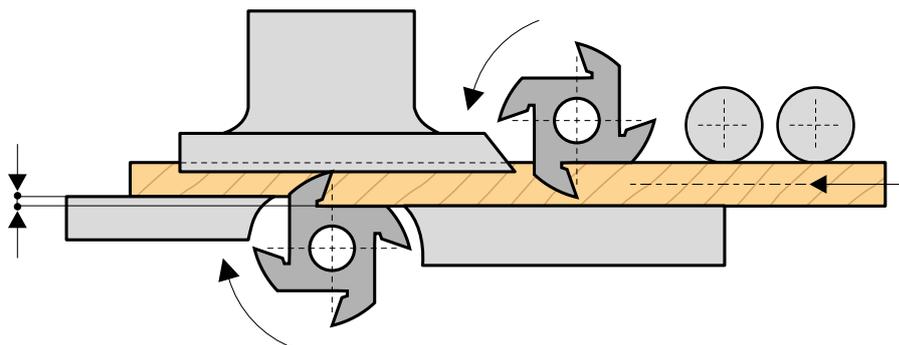
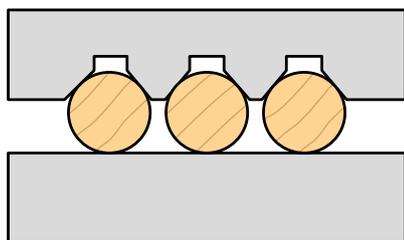


Ø mm	HS S (mm)	HW S (mm)
3 - 10	1	2
11 - 16	1,5	2,5
20 - 30	2	3



DIAMETRO FRESA DIAMETER CUTTER	diameter Ø mm	BASTONCINI					CHOPSTICKS			
		quantity n. 2	quantity n. 3	quantity n. 4	quantity n. 5	quantity n. 6	quantity n. 7	quantity n. 8	quantity n. 9	quantity n. 10
Ø D = 120	3	340 10	340 38	340 65	340 91	340 114	340 133	340 149	340 163	340 171
	4	340 11	340 39	340 66	340 92	340 115	340 134	340 150	340 164	340 172
	5	340 12	340 40	340 67	340 93	340 116	340 135	340 151	340 165	340 173
	6	340 13	340 41	340 68	340 94	340 117	340 136	340 152	340 166	340 174
	7	340 14	340 42	340 69	340 95	340 118	340 137	340 153	340 167	340 175
	8	340 15	340 43	340 70	340 96	340 119	340 138	340 154	340 168	340 176
	9	340 16	340 44	340 71	340 97	340 120	340 139	340 155	340 169	340 177
	10	340 17	340 45	340 72	340 98	340 121	340 140	340 156	340 170	340 178
	11	340 18	340 46	340 73	340 99	340 122	340 141	340 157		
	12	340 19	340 47	340 74	340 100	340 123	340 142	340 158		
	13	340 20	340 48	340 75	340 101	340 124	340 143	340 159		
	14	340 21	340 49	340 76	340 102	340 125	340 144	340 160		
	15	340 22	340 50	340 77	340 103	340 126	340 145	340 161		
	16	340 23	340 51	340 78	340 104	340 127	340 146	340 162		
	Ø D = 140	17	340 24	340 52	340 79	340 105	340 128	340 147		
		18	340 25	340 53	340 80	340 106	340 129	340 148		
19		340 26	340 54	340 81	340 107	340 130				
20		340 27	340 55	340 82	340 108	340 131				
21		340 28	340 56	340 83	340 109	340 132				
22		340 29	340 57	340 84	340 110					
Ø D = 160	23	340 30	340 58	340 85	340 111					
	24	340 31	340 59	340 86	340 112					
	25	340 32	340 60	340 87	340 113					
	26	340 33	340 61	340 88						
	27	340 34	340 62	340 89						
	28	340 35	340 63	340 90						
	29	340 36	340 64							
	30	340 37								

metodo di impiego con guide in uscita
 instruction with guides out
 Methode der Verwendung mit Exit Guides
 metodo de empleo con guias en salida
 mode d'emploi avec les guides en dehors
 метод обработки с управлением на выходе



Art. 720

fresse per giunzioni tipo finger joint

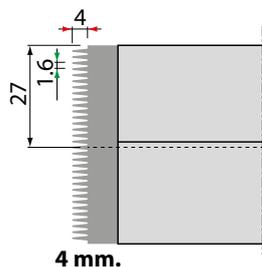
jointing tools finger joint type

minizinken-scheibenfräser

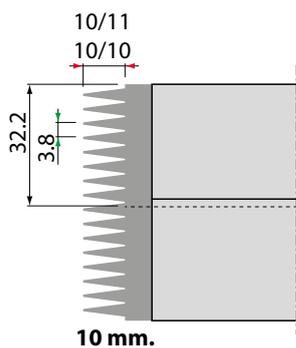
fresas para ensambles tipo finger joints

Fraises pour aboutage type Finger Joint

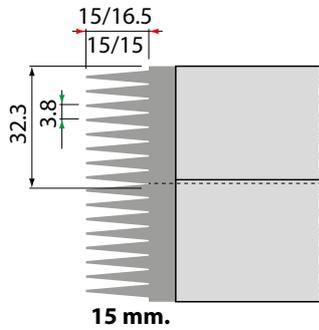
фрезы для сращиваний типа finger joint



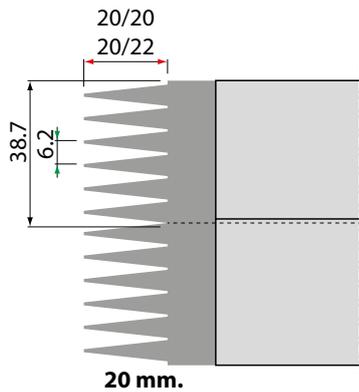
4 Cod.				1,6 mm			rpm min/max	weight kg.
	ø D mm	B mm	ø d mm	Z	Qual.			
720 10	160	25	30	4	HSS	6000 - 8000	3,164	
720 11	160	25	35	4	HSS	6000 - 8000	3,122	
720 12	160	25	40	4	HSS	6000 - 8000	3,074	
720 13	160	25	50	4	HSS	6000 - 8000	2,959	
720 14	250	25	30	6	HSS	4500 - 5500	7,130	
720 15	250	25	35	6	HSS	4500 - 5500	7,092	
720 16	250	25	40	6	HSS	4500 - 5500	7,049	
720 17	250	25	50	6	HSS	4500 - 5500	6,945	
720 18	250	25	60	6	HSS	4500 - 5500	6,818	



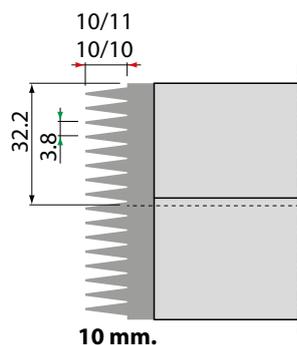
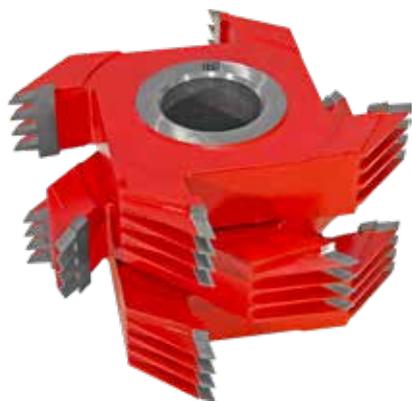
10/10 Cod.	10/11 Cod.				3,8 mm			rpm min/max	weight kg.
ø D mm	B mm	ø d mm	Z	Qual.					
720 19	720 80	160	24,8	30	4	HSS	6000 - 8000	3,139	
720 20	720 81	160	24,8	35	4	HSS	6000 - 8000	3,097	
720 21	720 82	160	24,8	40	4	HSS	6000 - 8000	3,050	
720 22	720 83	160	24,8	50	4	HSS	6000 - 8000	2,935	
720 23	720 84	160	28,6	30	4	HSS	6000 - 8000	3,620	
720 24	720 85	160	28,6	35	4	HSS	6000 - 8000	3,572	
720 25	720 86	160	28,6	40	4	HSS	6000 - 8000	3,517	
720 26	720 87	160	28,6	50	4	HSS	6000 - 8000	3,385	
720 27	720 88	160	28,6	30	6	HSS	6000 - 8000	3,271	
720 28	720 89	160	28,6	35	6	HSS	6000 - 8000	3,228	
720 29	720 90	160	28,6	40	6	HSS	6000 - 8000	3,178	
720 30	720 91	160	28,6	50	6	HSS	6000 - 8000	3,059	
720 31	720 92	250	28,6	30	6	HSS	4500 - 5500	8,157	
720 32	720 93	250	28,6	35	6	HSS	4500 - 5500	8,114	
720 33	720 94	250	28,6	40	6	HSS	4500 - 5500	8,064	
720 34	720 95	250	28,6	50	6	HSS	4500 - 5500	7,945	
720 35	720 96	250	28,6	60	6	HSS	4500 - 5500	7,799	
720 36	720 97	250	28,6	30	8	HSS	4500 - 5500	7,396	
720 37	720 98	250	28,6	35	8	HSS	4500 - 5500	7,356	
720 38	720 99	250	28,6	40	8	HSS	4500 - 5500	7,311	
720 39	720 100	250	28,6	50	8	HSS	4500 - 5500	7,203	
720 40	720 101	250	28,6	60	8	HSS	4500 - 5500	7,071	



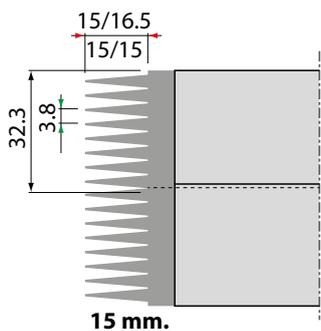
15/15 Cod.	15/16,5 Cod.	3,8 mm						rpm min/max	weight kg.
ø D mm	B mm	ø d mm	Z	Qual.					
720 41	720 102	170	28,6	30	4	HSS	6000 - 8000	4,103	
720 42	720 103	170	28,6	35	4	HSS	6000 - 8000	4,055	
720 43	720 104	170	28,6	40	4	HSS	6000 - 8000	4,001	
720 44	720 105	170	28,6	50	4	HSS	6000 - 8000	3,869	
720 45	720 106	170	28,6	30	6	HSS	6000 - 8000	3,708	
720 46	720 107	170	28,6	35	6	HSS	6000 - 8000	3,665	
720 47	720 108	170	28,6	40	6	HSS	6000 - 8000	3,615	
720 48	720 109	170	28,6	50	6	HSS	6000 - 8000	3,496	
720 49	720 110	260	28,6	30	6	HSS	4500 - 5500	8,832	
720 50	720 111	260	28,6	35	6	HSS	4500 - 5500	8,789	
720 51	720 112	260	28,6	40	6	HSS	4500 - 5500	8,739	
720 52	720 113	260	28,6	50	6	HSS	4500 - 5500	8,620	
720 53	720 114	260	28,6	60	6	HSS	4500 - 5500	8,475	
720 54	720 115	260	28,6	30	8	HSS	4500 - 5500	8,008	
720 55	720 116	260	28,6	35	8	HSS	4500 - 5500	7,969	
720 56	720 117	260	28,6	40	8	HSS	4500 - 5500	7,924	
720 57	720 118	260	28,6	50	8	HSS	4500 - 5500	7,816	
720 58	720 119	260	28,6	60	8	HSS	4500 - 5500	7,684	



20/20 Cod.	20/22 Cod.	6,2 mm						rpm min/max	weight kg.
ø D mm	B mm	ø d mm	Z	Qual.					
720 59	720 120	180	33	30	4	HSS	5500 - 7500	5,326	
720 60	720 121	180	33	35	4	HSS	5500 - 7500	5,271	
720 61	720 122	180	33	40	4	HSS	5500 - 7500	5,208	
720 62	720 123	180	33	50	4	HSS	5500 - 7500	5,056	
720 63	720 124	260	33	30	6	HSS	4500 - 5500	10,191	
720 64	720 125	260	33	35	6	HSS	4500 - 5500	10,141	
720 65	720 126	260	33	40	6	HSS	4500 - 5500	10,084	
720 66	720 127	260	33	50	6	HSS	4500 - 5500	9,946	
720 67	720 128	260	33	60	6	HSS	4500 - 5500	9,778	
720 68	720 129	260	33	30	8	HSS	4500 - 5500	9,240	
720 69	720 130	260	33	35	8	HSS	4500 - 5500	9,195	
720 70	720 131	260	33	40	8	HSS	4500 - 5500	9,143	
720 71	720 132	260	33	50	8	HSS	4500 - 5500	9,018	
720 72	720 133	260	33	60	8	HSS	4500 - 5500	8,866	



10/10 Cod.	10/11 Cod.	ø D mm	B mm	ø d mm	Z	Qual.	rpm min/max	weight kg.
732 19	732 40	160	28,6	30	4	HW	6000 - 8000	3,620
732 20	732 41	160	28,6	35	4	HW	6000 - 8000	3,572
732 21	732 42	160	28,6	40	4	HW	6000 - 8000	3,517
732 22	732 43	160	28,6	50	4	HW	6000 - 8000	3,385
732 23	732 44	160	28,6	30	6	HW	6000 - 8000	3,271
732 24	732 45	160	28,6	35	6	HW	6000 - 8000	3,228
732 25	732 46	160	28,6	40	6	HW	6000 - 8000	3,178
732 26	732 47	160	28,6	50	6	HW	6000 - 8000	3,059
732 27	732 48	250	28,6	30	6	HW	4500 - 5500	8,157
732 28	732 49	250	28,6	35	6	HW	4500 - 5500	8,114
732 29	732 50	250	28,6	40	6	HW	4500 - 5500	8,064
732 30	732 51	250	28,6	50	6	HW	4500 - 5500	7,945



15/15 Cod.	15/16,5 Cod.	ø D mm	B mm	ø d mm	Z	Qual.	rpm min/max	weight kg.
732 31	732 52	170	28,6	30	4	HW	6000 - 8000	4,103
732 32	732 53	170	28,6	35	4	HW	6000 - 8000	4,055
732 33	732 54	170	28,6	40	4	HW	6000 - 8000	4,001
732 34	732 55	170	28,6	50	4	HW	6000 - 8000	3,869
732 35	732 56	260	28,6	30	6	HW	4500 - 5500	8,832
732 36	732 57	260	28,6	35	6	HW	4500 - 5500	8,789
732 37	732 58	260	28,6	40	6	HW	4500 - 5500	8,739
732 38	732 59	260	28,6	50	6	HW	4500 - 5500	8,620

Art. 725

fresе per giunzioni tipo finger joint

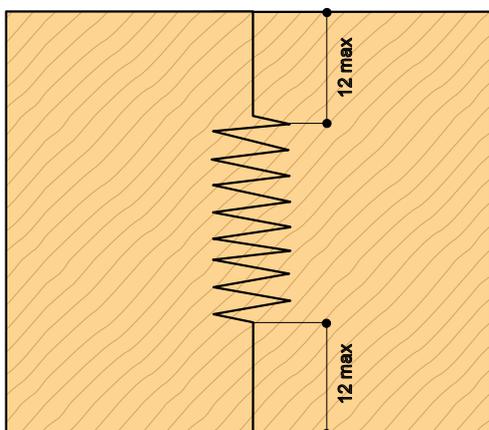
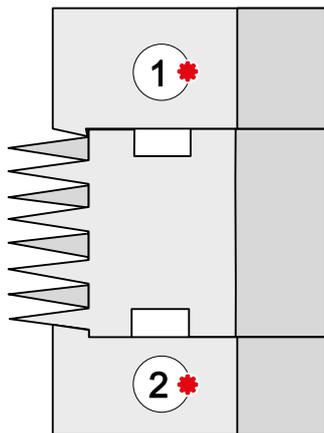
jointing tools finger joint type

minizinken-scheibenfräser

fresas para ensambles tipo finger joints

Fraises pour aboutage type Finger Joint

фрезы для сращиваний типа finger joint



10/10 Cod.	•	ø D mm	B mm	ø d mm	Z	Qual.	rpm min/max	weight kg.
725 10	1	150	15	30	4	HSS	6000 - 8000	1,660
725 11	1	150	15	35	4	HSS	6000 - 8000	1,635
725 12	1	150	15	40	4	HSS	6000 - 8000	1,606
725 13	1	150	15	50	4	HSS	6000 - 8000	1,537
725 14	2	150	15	30	4	HSS	6000 - 8000	1,660
725 15	2	150	15	35	4	HSS	6000 - 8000	1,635
725 16	2	150	15	40	4	HSS	6000 - 8000	1,606
725 17	2	150	15	50	4	HSS	6000 - 8000	1,537

10 / 11 Cod.	•	ø D mm	B mm	ø d mm	Z	Qual.	rpm min/max	weight kg.
725 18	1	160	15	30	4	HSS	6000 - 8000	1,898
725 19	1	160	15	35	4	HSS	6000 - 8000	1,873
725 20	1	160	15	40	4	HSS	6000 - 8000	1,845
725 21	1	160	15	50	4	HSS	6000 - 8000	1,775
725 22	2	160	15	30	4	HSS	6000 - 8000	1,898
725 23	2	160	15	35	4	HSS	6000 - 8000	1,873
725 24	2	160	15	40	4	HSS	6000 - 8000	1,845
725 25	2	160	15	50	4	HSS	6000 - 8000	1,775

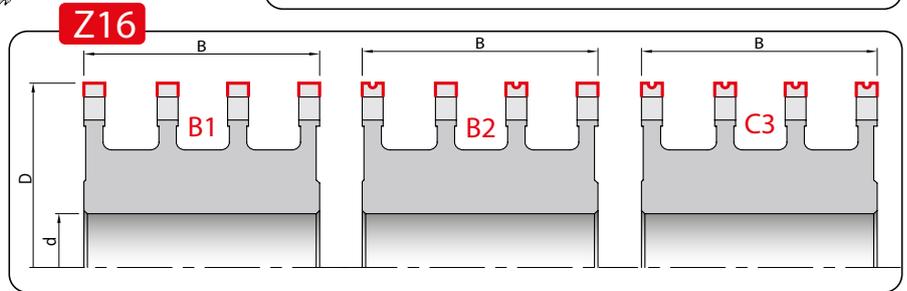
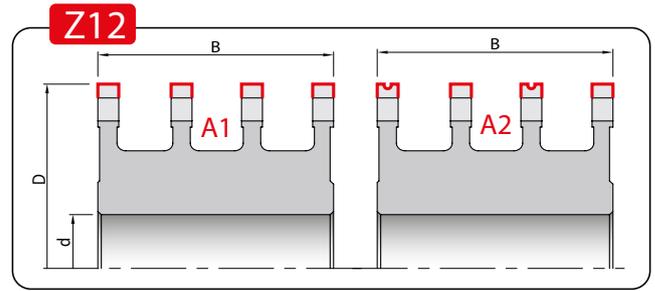
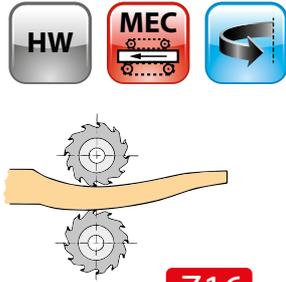
multiple cutters for big removals

MultschneideFräsen für großflächiges Abtragen

fresas de cortantes multiples para grandes desbates

fraises à calibrer coupe hélicoïdale pour enlever de grandes surfaces

фрезы мультирежущие для глубоких съёмов



ø D mm	rpm max
80	14.200
100	11.300
125	9.000
140	7.100

Cod.	ø D mm	B mm	ø d mm	weight kg.	Z	Cod.	ø D mm	B mm	ø d mm	weight kg.	Z	Cod.	ø D mm	B mm	ø d mm	weight kg.	Z	Cod.	ø D mm	B mm	ø d mm	weight kg.	Z				
551 10	A1	80	60	35	1,533	12	551 49	A1	125	220	35	15,645	12	551 210	A2	80	60	35	1,533	12	551 249	A2	125	220	35	15,645	12
551 11	A1	80	80	35	2,045	12	551 50	A1	125	230	35	16,357	12	551 211	A2	80	80	35	2,045	12	551 250	A2	125	230	35	16,357	12
551 12	A1	80	100	35	2,556	12	551 51	A1	125	60	40	4,156	12	551 212	A2	80	100	35	2,556	12	551 251	A2	125	60	40	4,156	12
551 13	A1	80	120	35	3,067	12	551 52	A1	125	80	40	5,541	12	551 213	A2	80	120	35	3,067	12	551 252	A2	125	80	40	5,541	12
551 14	A1	80	130	35	3,322	12	551 53	A1	125	100	40	6,926	12	551 214	A2	80	130	35	3,322	12	551 253	A2	125	100	40	6,926	12
551 15	A1	80	140	35	3,578	12	551 54	A1	125	120	40	8,312	12	551 215	A2	80	140	35	3,578	12	551 254	A2	125	120	40	8,312	12
551 16	A1	80	150	35	3,834	12	551 55	A1	125	130	40	9,004	12	551 216	A2	80	150	35	3,834	12	551 255	A2	125	130	40	9,004	12
551 17	A1	80	160	35	4,089	12	551 56	A1	125	140	40	9,697	12	551 217	A2	80	160	35	4,089	12	551 256	A2	125	140	40	9,697	12
551 18	A1	80	170	35	4,345	12	551 57	A1	125	150	40	10,390	12	551 218	A2	80	170	35	4,345	12	551 257	A2	125	150	40	10,390	12
551 19	A1	80	180	35	4,600	12	551 58	A1	125	160	40	11,082	12	551 219	A2	80	180	35	4,600	12	551 258	A2	125	160	40	11,082	12
551 20	A1	80	150	40	3,556	12	551 59	A1	125	170	40	11,775	12	551 220	A2	80	150	40	3,556	12	551 259	A2	125	170	40	11,775	12
551 21	A1	80	160	40	3,793	12	551 60	A1	125	180	40	12,467	12	551 221	A2	80	160	40	3,793	12	551 260	A2	125	180	40	12,467	12
551 22	A1	80	170	40	4,030	12	551 61	A1	125	200	40	13,853	12	551 222	A2	80	170	40	4,030	12	551 261	A2	125	200	40	13,853	12
551 23	A1	80	180	40	4,267	12	551 62	A1	125	220	40	15,238	12	551 223	A2	80	180	40	4,267	12	551 262	A2	125	220	40	15,238	12
551 24	A1	100	60	35	2,600	12	551 63	A1	125	230	40	15,931	12	551 224	A2	100	60	35	2,600	12	551 263	A2	125	230	40	15,931	12
551 25	A1	100	80	35	3,467	12	551 64	A1	140	60	35	5,445	12	551 225	A2	100	80	35	3,467	12	551 264	A2	140	60	35	5,445	12
551 26	A1	100	100	35	4,334	12	551 65	A1	140	80	35	7,260	12	551 226	A2	100	100	35	4,334	12	551 265	A2	140	80	35	7,260	12
551 27	A1	100	120	35	5,200	12	551 66	A1	140	100	35	9,075	12	551 227	A2	100	120	35	5,200	12	551 266	A2	140	100	35	9,075	12
551 28	A1	100	130	35	5,634	12	551 67	A1	140	120	35	10,890	12	551 228	A2	100	130	35	5,634	12	551 267	A2	140	120	35	10,890	12
551 29	A1	100	140	35	6,067	12	551 68	A1	140	130	35	11,797	12	551 229	A2	100	140	35	6,067	12	551 268	A2	140	130	35	11,797	12
551 30	A1	100	150	35	6,500	12	551 69	A1	140	140	35	12,705	12	551 230	A2	100	150	35	6,500	12	551 269	A2	140	140	35	12,705	12
551 31	A1	100	160	35	6,934	12	551 70	A1	140	150	35	13,612	12	551 231	A2	100	160	35	6,934	12	551 270	A2	140	150	35	13,612	12
551 32	A1	100	170	35	7,367	12	551 71	A1	140	160	35	14,519	12	551 232	A2	100	170	35	7,367	12	551 271	A2	140	160	35	14,519	12
551 33	A1	100	180	35	7,800	12	551 72	A1	140	170	35	15,427	12	551 233	A2	100	180	35	7,800	12	551 272	A2	140	170	35	15,427	12
551 34	A1	100	150	40	6,223	12	551 73	A1	140	180	35	16,334	12	551 234	A2	100	150	40	6,223	12	551 273	A2	140	180	35	16,334	12
551 35	A1	100	160	40	6,637	12	551 74	A1	140	200	35	18,149	12	551 235	A2	100	160	40	6,637	12	551 274	A2	140	200	35	18,149	12
551 36	A1	100	170	40	7,052	12	551 75	A1	140	220	35	19,964	12	551 236	A2	100	170	40	7,052	12	551 275	A2	140	220	35	19,964	12
551 37	A1	100	180	40	7,467	12	551 76	A1	140	230	35	20,872	12	551 237	A2	100	180	40	7,467	12	551 276	A2	140	230	35	20,872	12
551 38	A1	125	60	35	4,267	12	551 77	A1	140	60	40	5,334	12	551 238	A2	125	60	35	4,267	12	551 277	A2	140	60	40	5,334	12
551 39	A1	125	80	35	5,689	12	551 78	A1	140	80	40	7,112	12	551 239	A2	125	80	35	5,689	12	551 278	A2	140	80	40	7,112	12
551 40	A1	125	100	35	7,112	12	551 79	A1	140	100	40	8,889	12	551 240	A2	125	100	35	7,112	12	551 279	A2	140	100	40	8,889	12
551 41	A1	125	120	35	8,534	12	551 80	A1	140	120	40	10,667	12	551 241	A2	125	120	35	8,534	12	551 280	A2	140	120	40	10,667	12
551 42	A1	125	130	35	9,245	12	551 81	A1	140	130	40	11,556	12	551 242	A2	125	130	35	9,245	12	551 281	A2	140	130	40	11,556	12
551 43	A1	125	140	35	9,956	12	551 82	A1	140	140	40	12,445	12	551 243	A2	125	140	35	9,956	12	551 282	A2	140	140	40	12,445	12
551 44	A1	125	150	35	10,667	12	551 83	A1	140	150	40	13,334	12	551 244	A2	125	150	35	10,667	12	551 283	A2	140	150	40	13,334	12
551 45	A1	125	160	35	11,378	12	551 84	A1	140	160	40	14,223	12	551 245	A2	125	160	35	11,378	12	551 284	A2	140	160	40	14,223	12
551 46	A1	125	170	35	12,090	12	551 85	A1	140	170	40	15,112	12	551 246	A2	125	170	35	12,090	12	551 285	A2	140	170	40	15,112	12
551 47	A1	125	180	35	12,801	12	551 86	A1	140	180	40	16,001	12	551 247	A2	125	180	35	12,801	12	551 286	A2	140	180	40	16,001	12
551 48	A1	125	200	35	14,223	12	551 87	A1	140	200	40	17,779	12	551 248	A2	125	200	35	14,223	12	551 287	A2	140	200	40	17,779	12
							551 88	A1	140	220	40	19,557	12	551 249	A2	125	220	35	14,223	12	551 288	A2	140	220	40	19,557	12
							551 89	A1	140	230	40	20,446	12	551 250	A2	140	230	40	20,446	12	551 289	A2	140	230	40	20,446	12

Art. 551

Cod.	ø D	B	ø d	weight	Z	Cod.	ø D	B	ø d	weight	Z	Cod.	ø D	B	ø d	weight	Z	Cod.	ø D	B	ø d	weight	Z
	mm	mm	mm	kg.	16		mm	mm	mm	kg.	16		mm	mm	mm	kg.	16		mm	mm	mm	kg.	16
551 310	B1 80	60	35	1,533	16	551 370	B1 140	150	35	13,612	16	551 450	B2 125	230	35	16,357	16	551 530	C3 100	150	35	6,500	16
551 311	B1 80	80	35	2,045	16	551 371	B1 140	160	35	14,519	16	551 451	B2 125	60	40	4,156	16	551 531	C3 100	160	35	6,934	16
551 312	B1 80	100	35	2,556	16	551 372	B1 140	170	35	15,427	16	551 452	B2 125	80	40	5,541	16	551 532	C3 100	170	35	7,367	16
551 313	B1 80	120	35	3,067	16	551 373	B1 140	180	35	16,334	16	551 453	B2 125	100	40	6,926	16	551 533	C3 100	180	35	7,800	16
551 314	Out of production					551 374	B1 140	200	35	18,149	16	551 454	B2 125	120	40	8,312	16	551 534	C3 100	150	40	6,223	16
551 315	Fuori produzione					551 375	B1 140	220	35	19,964	16	551 455	B2 125	130	40	9,004	16	551 535	C3 100	160	40	6,637	16
551 316	B1 80	160	35	4,089	16	551 376	B1 140	230	35	20,872	16	551 456	B2 125	140	40	9,697	16	551 536	C3 100	170	40	7,052	16
551 317	B1 80	170	35	4,345	16	551 377	B1 140	60	40	5,334	16	551 457	B2 125	150	40	10,390	16	551 537	C3 100	180	40	7,467	16
551 318	B1 80	180	35	4,600	16	551 378	B1 140	80	40	7,112	16	551 458	B2 125	160	40	11,082	16	551 538	C3 125	60	35	4,267	16
551 319	B1 80	150	40	3,556	16	551 379	B1 140	100	40	8,889	16	551 459	B2 125	170	40	11,775	16	551 539	C3 125	80	35	5,689	16
551 320	B1 80	160	40	3,793	16	551 380	B1 140	120	40	10,667	16	551 460	B2 125	180	40	12,467	16	551 540	C3 125	100	35	7,112	16
551 321	B1 80	170	40	4,030	16	551 381	B1 140	130	40	11,556	16	551 461	B2 125	200	40	13,853	16	551 541	C3 125	120	35	8,534	16
551 322	B1 80	180	40	4,267	16	551 382	B1 140	140	40	12,445	16	551 462	B2 125	220	40	15,238	16	551 542	C3 125	130	35	9,245	16
551 323	B1 100	60	35	2,600	16	551 383	B1 140	150	40	13,334	16	551 463	B2 125	230	40	15,931	16	551 543	C3 125	140	35	9,956	16
551 324	B1 100	80	35	3,467	16	551 384	B1 140	160	40	14,223	16	551 464	B2 140	60	35	5,445	16	551 544	C3 125	150	35	10,667	16
551 325	B1 100	100	35	4,334	16	551 385	B1 140	170	40	15,112	16	551 465	B2 140	80	35	7,260	16	551 545	C3 125	160	35	11,378	16
551 326	B1 100	120	35	5,200	16	551 386	B1 140	180	40	16,001	16	551 466	B2 140	100	35	9,075	16	551 546	C3 125	170	35	12,090	16
551 327	B1 100	130	35	5,634	16	551 387	B1 140	200	40	17,779	16	551 467	B2 140	120	35	10,890	16	551 547	C3 125	180	35	12,801	16
551 328	B1 100	140	35	6,067	16	551 388	B1 140	220	40	19,557	16	551 468	B2 140	130	35	11,797	16	551 548	C3 125	200	35	14,223	16
551 329	B1 100	150	35	6,500	16	551 389	B1 140	230	40	20,446	16	551 469	B2 140	140	35	12,705	16	551 549	C3 125	220	35	15,645	16
551 330	B1 100	160	35	6,934	16	551 410	B2 80	60	35	1,533	16	551 470	B2 140	150	35	13,612	16	551 550	C3 125	230	35	16,357	16
551 331	B1 100	170	35	7,367	16	551 411	B2 80	80	35	2,045	16	551 471	B2 140	160	35	14,519	16	551 551	C3 125	60	40	4,156	16
551 332	B1 100	180	35	7,800	16	551 412	B2 80	100	35	2,556	16	551 472	B2 140	170	35	15,427	16	551 552	C3 125	80	40	5,541	16
551 333	B1 100	150	40	3,556	16	551 413	B2 80	120	35	3,067	16	551 473	B2 140	180	35	16,334	16	551 553	C3 125	100	40	6,926	16
551 334	B1 100	160	40	3,793	16	551 414	B2 80	130	35	3,322	16	551 474	B2 140	200	35	18,149	16	551 554	C3 125	120	40	8,312	16
551 335	B1 100	170	40	4,030	16	551 415	B2 80	140	35	3,578	16	551 475	B2 140	220	35	19,964	16	551 555	C3 125	130	40	9,004	16
551 336	B1 100	180	40	4,267	16	551 416	Out of production					551 476	B2 140	230	35	20,872	16	551 556	C3 125	140	40	9,697	16
551 337	B1 100	60	35	2,600	16	551 417	Fuori produzione					551 477	B2 140	60	40	5,334	16	551 557	C3 125	150	40	10,390	16
551 338	B1 125	80	35	3,467	16	551 418	B2 80	170	35	4,345	16	551 478	B2 140	80	40	7,112	16	551 558	C3 125	160	40	11,082	16
551 339	B1 125	100	35	4,334	16	551 419	B2 80	180	35	4,600	16	551 479	B2 140	100	40	8,889	16	551 559	C3 125	170	40	11,775	16
551 340	B1 125	120	35	5,200	16	551 420	B2 80	150	40	3,556	16	551 480	B2 140	120	40	10,667	16	551 560	C3 125	180	40	12,467	16
551 341	B1 125	130	35	5,634	16	551 421	B2 80	160	40	3,793	16	551 481	B2 140	130	40	11,556	16	551 561	C3 125	200	40	13,853	16
551 342	B1 125	140	35	6,067	16	551 422	B2 80	170	40	4,030	16	551 482	B2 140	140	40	12,445	16	551 562	C3 125	220	40	15,238	16
551 343	B1 125	150	35	6,500	16	551 423	B2 80	180	40	4,267	16	551 483	B2 140	150	40	13,334	16	551 563	C3 125	230	40	15,931	16
551 344	B1 125	160	35	6,934	16	551 424	B2 100	60	35	2,600	16	551 484	B2 140	160	40	14,223	16	551 564	C3 140	60	35	5,445	16
551 345	B1 125	170	35	7,367	16	551 425	B2 100	80	35	3,467	16	551 485	B2 140	170	40	15,112	16	551 565	C3 140	80	35	7,260	16
551 346	B1 125	180	35	7,800	16	551 426	B2 100	100	35	4,334	16	551 486	B2 140	180	40	16,001	16	551 566	C3 140	100	35	9,075	16
551 347	B1 125	190	35	8,234	16	551 427	B2 100	120	35	5,200	16	551 487	B2 140	200	40	17,779	16	551 567	C3 140	120	35	10,890	16
551 348	B1 125	200	35	8,667	16	551 428	B2 100	130	35	5,634	16	551 488	B2 140	220	40	19,557	16	551 568	C3 140	130	35	11,797	16
551 349	B1 125	210	35	9,100	16	551 429	B2 100	140	35	6,067	16	551 489	B2 140	230	40	20,446	16	551 569	C3 140	140	35	12,705	16
551 350	B1 125	220	35	9,534	16	551 430	B2 100	150	35	6,500	16	551 510	C3 80	60	35	1,533	16	551 570	C3 140	150	35	13,612	16
551 351	B1 125	230	35	9,967	16	551 431	B2 100	160	35	6,934	16	551 511	C3 80	80	35	2,045	16	551 571	C3 140	160	35	14,519	16
551 352	B1 125	60	40	4,156	16	551 432	B2 100	170	35	7,367	16	551 512	C3 80	100	35	2,556	16	551 572	C3 140	170	35	15,427	16
551 353	B1 125	80	40	5,541	16	551 433	B2 100	180	35	7,800	16	551 513	C3 80	120	35	3,067	16	551 573	C3 140	180	35	16,334	16
551 354	B1 125	100	40	6,926	16	551 434	B2 100	190	35	8,234	16	551 514	C3 80	130	35	3,322	16	551 574	C3 140	200	35	18,149	16
551 355	B1 125	110	40	7,367	16	551 435	B2 100	200	35	8,667	16	551 515	C3 80	140	35	3,578	16	551 575	C3 140	220	35	19,964	16
551 356	B1 125	120	40	7,800	16	551 436	B2 100	210	35	9,100	16	551 516	Out of production					551 576	C3 140	230	35	20,872	16
551 357	B1 125	130	40	8,234	16	551 437	B2 100	220	35	9,534	16	551 517	Fuori produzione					551 577	C3 140	60	40	5,334	16
551 358	B1 125	140	40	8,667	16	551 438	B2 125	60	35	4,267	16	551 518						551 578	C3 140	80	40	7,112	16
551 359	B1 125	150	40	9,100	16	551 439	B2 125	80	35	5,689	16	551 519	C3 80	180	35	4,600	16	551 579	C3 140	100	40	8,889	16
551 360	B1 125	160	40	9,534	16	551 440	B2 125	100	35	7,112	16	551 520	C3 80	150	40	3,556	16	551 580	C3 140	120	40	10,667	16
551 361	B1 125	170	40	9,967	16	551 441	B2 125	120	35	8,534	16	551 521	C3 80	160	40	3,793	16	551 581	C3 140	130	40	11,556	16
551 362	B1 125	180	40	10,400	16	551 442	B2 125	130	35	9,245	16	551 522	C3 80	170	40	4,030	16	551 582	C3 140	140	40	12,445	16
551 363	B1 125	190	40	10,834	16	551 443	B2 125	140	35	9,956	16	551 523	C3 80	180	40	4,267	16	551 583	C3 140	150	40	13,334	16
551 364	B1 140	60	35	5,445	16	551 444	B2 125	150	35	10,667	16	551 524	C3 100	60	35	2,600	16	551 584	C3 140	160	40	14,223	16
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