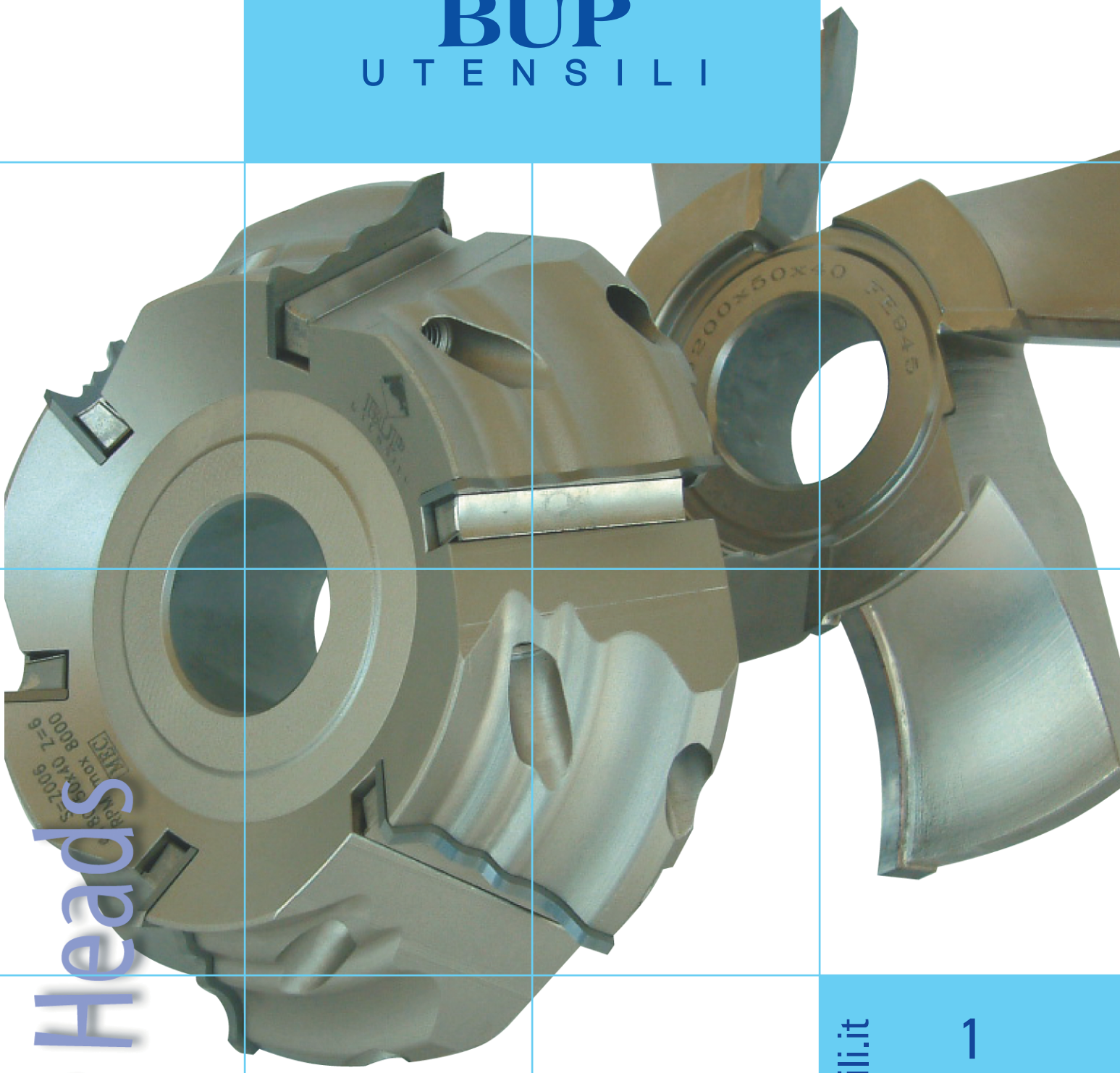
BUP
UTENSILI

Cutter Heads

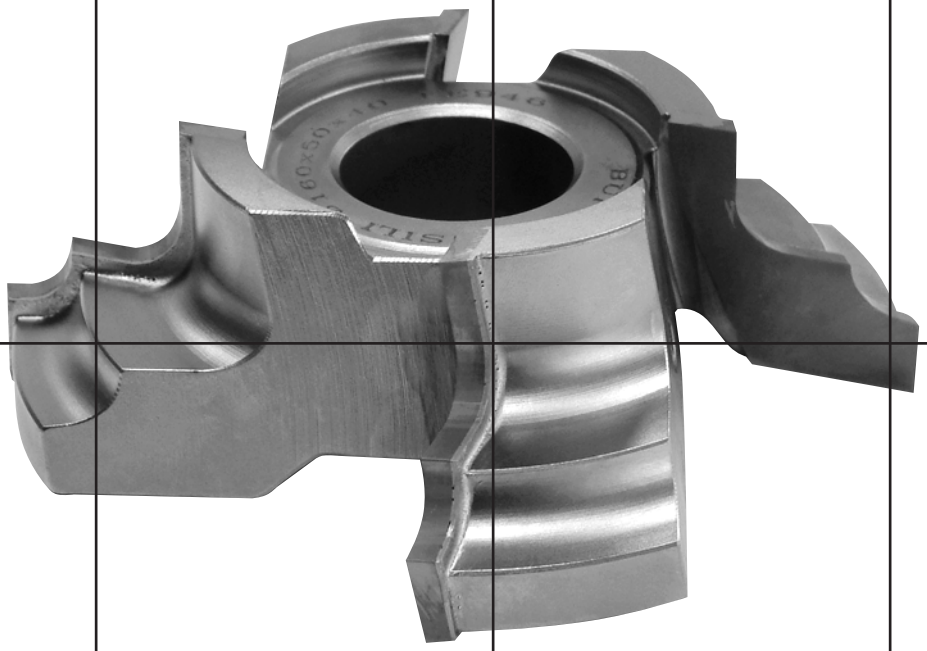


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1
2
3

A/07

1

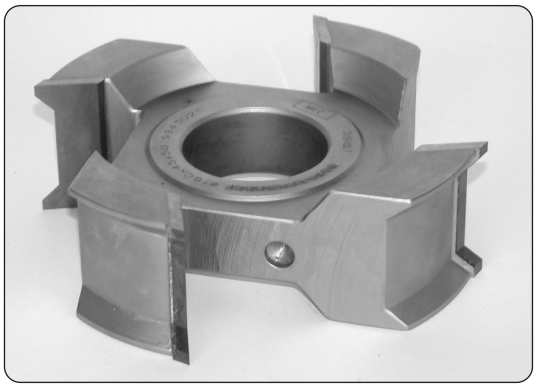


Frese HW sagomate e piane

TCT profiled and straight cutters

1015

FRESA SAGOMATA PROFILO SEMPLICE
PROFILE CUTTERS FOR SIMPLE PROFILES



APPLICAZIONE/*APPLICATION*:
Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

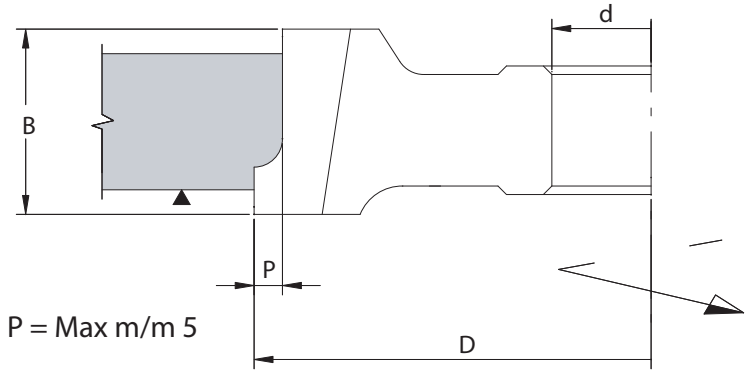
MACCHINA/*MACHINE*:
Toupie, scorniciatrici, profilitarici etc.
Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base al profili richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 5 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued • Max depth pf profile "P" = 5 mm.

HW-HS **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

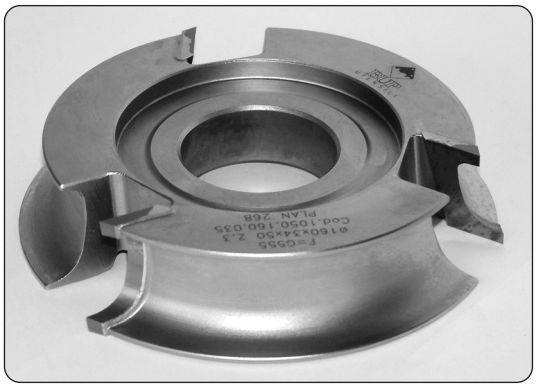
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1015.100.010	100	10	L18	1015.140.010	140	10	M19	1015.180.010	180	10	G20
1015.100.020	100	20	H19	1015.140.020	140	20	F20	1015.180.020	180	20	C21
1015.100.030	100	30	F20	1015.140.030	140	30	C21	1015.180.030	180	30	M21
1015.100.040	100	40	D21	1015.140.040	140	40	B22	1015.180.040	180	40	L22
1015.100.050	100	50	E22	1015.140.050	140	50	B23	1015.180.050	180	50	L23
1015.100.060	100	60	F23	1015.140.060	140	60	B24	1015.180.060	180	60	G24
1015.100.070	100	70	E24	1015.140.070	140	70	M24	1015.180.070	180	70	F25
1015.100.080	100	80	M24	1015.140.080	140	80	F25	1015.180.080	180	80	A26
1015.100.090	100	90	F25	1015.140.090	140	90	A26	1015.180.090	180	90	F26
1015.100.100	100	100	A26	1015.140.100	140	100	F26	1015.180.100	180	100	A27
1015.120.010	120	10	E19	1015.160.010	160	10	D20	1015.200.010	200	10	A21
1015.120.020	120	20	B20	1015.160.020	160	20	M20	1015.200.020	200	20	G21
1015.120.030	120	30	L20	1015.160.030	160	30	G21	1015.200.030	200	30	D22
1015.120.040	120	40	H21	1015.160.040	160	40	E22	1015.200.040	200	40	B23
1015.120.050	120	50	L22	1015.160.050	160	50	F23	1015.200.050	200	50	A24
1015.120.060	120	60	L23	1015.160.060	160	60	D24	1015.200.060	200	60	M24
1015.120.070	120	70	H24	1015.160.070	160	70	C25	1015.200.070	200	70	H25
1015.120.080	120	80	C25	1015.160.080	160	80	H25	1015.200.080	200	80	D26
1015.120.090	120	90	H25	1015.160.090	160	90	D26	1015.200.090	200	90	L26
1015.120.100	120	100	D26	1015.160.100	160	100	L26	1015.200.100	200	100	D27

FRESE Z=3 sconto 10% art. 1010/*Cutters Z=3 discount 10% art. 1010*
FRESE Z=6 aumento 20% art. 1020/*Cutters Z=6 increase 20% art. 1020*



1035

FRESA SAGOMATA PROFILO COMPLESSO
PROFILE CUTTERS FOR COMPLEX PROFILES



APPLICAZIONE/*APPLICATION*:
Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

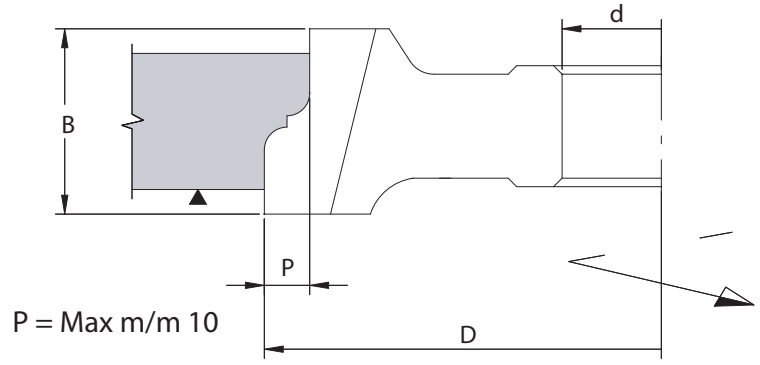
MACCHINA/*MACHINE*:
Toupie, scorniciatrici, profilitarici etc.
Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base al profili richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 10 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued. • Max depth pf profile "P" = 10 mm.

HW-HS **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1035.100.010	100	10	F19	1035.140.010	140	10	D20	1035.180.010	180	10	E21
1035.100.020	100	20	D20	1035.140.020	140	20	B21	1035.180.020	180	20	H22
1035.100.030	100	30	E21	1035.140.030	140	30	C22	1035.180.030	180	30	L23
1035.100.040	100	40	E22	1035.140.040	140	40	B23	1035.180.040	180	40	H24
1035.100.050	100	50	E23	1035.140.050	140	50	A24	1035.180.050	180	50	H25
1035.100.060	100	60	C24	1035.140.060	140	60	H24	1035.180.060	180	60	G26
1035.100.070	100	70	A25	1035.140.070	140	70	F25	1035.180.070	180	70	A28
1035.100.080	100	80	F25	1035.140.080	140	80	B26	1035.180.080	180	80	D28
1035.100.090	100	90	B26	1035.140.090	140	90	G26	1035.180.090	180	90	G28
1035.100.100	100	100	G26	1035.140.100	140	100	B27	1035.180.100	180	100	L28
1035.120.010	120	10	M19	1035.160.010	160	10	G20	1035.200.010	200	10	E22
1035.120.020	120	20	H20	1035.160.020	160	20	E21	1035.200.020	200	20	F23
1035.120.030	120	30	L21	1035.160.030	160	30	G22	1035.200.030	200	30	F24
1035.120.040	120	40	L22	1035.160.040	160	40	M23	1035.200.040	200	40	F25
1035.120.050	120	50	L23	1035.160.050	160	50	B25	1035.200.050	200	50	F26
1035.120.060	120	60	F24	1035.160.060	160	60	A26	1035.200.060	200	60	G27
1035.120.070	120	70	D25	1035.160.070	160	70	L26	1035.200.070	200	70	M28
1035.120.080	120	80	L25	1035.160.080	160	80	C27	1035.200.080	200	80	A30
1035.120.090	120	90	D26	1035.160.090	160	90	F27	1035.200.090	200	90	F30
1035.120.100	120	100	M26	1035.160.100	160	100	L27	1035.200.100	200	100	M30

FRESE Z=3 sconto 10% art. 1030/*Cutters Z=3 discount 10% art. 1030*
FRESE Z=6 aumento 20% art. 1040/*Cutters Z=6 increase 20% art. 1040*



1055

FRESA SAGOMATA PROFILO SPECIALE
PROFILE CUTTERS FOR SPECIAL PROFILES



APPLICAZIONE/*APPLICATION*:
Per realizzare profili sagomati su disegno
For cutting profiles made on customer specifications.

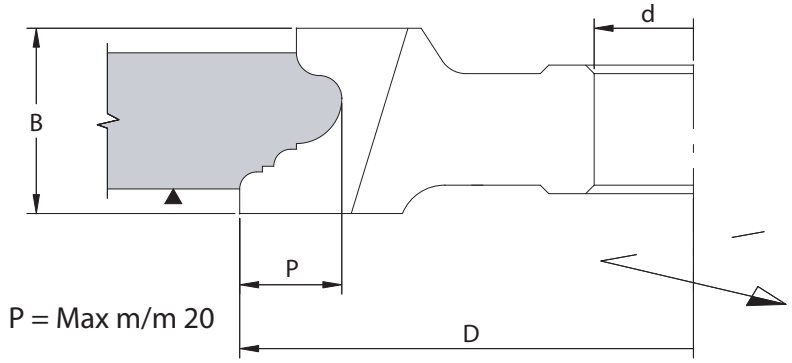
MACCHINA/*MACHINE*:
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Spindle moulders, moulders, double-end tenoner, etc.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm - Con taglienti diritti o assialmente inclinati in base al profili richiesto HM per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Profondità di sagoma "P" Max 20 mm
Bore "d" from 30 to 50 mm • Designed with straight or shear cutting angles according to the profile HM for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued. • Max depth pf profile "P" = 20 mm.

HW-HS **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

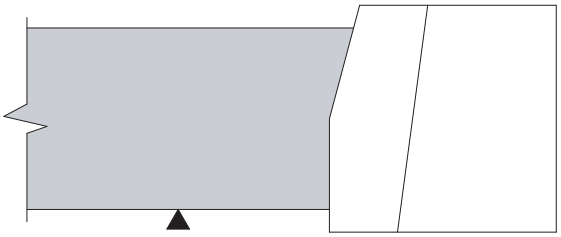
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*	**Codice** *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1055.100.010	100	10	A21	1055.140.010	140	10	H21	1055.180.010	180	10	L22
1055.100.020	100	20	L21	1055.140.020	140	20	F22	1055.180.020	180	20	A24
1055.100.030	100	30	B24	1055.140.030	140	30	G24	1055.180.030	180	30	L25
1055.100.040	100	40	L24	1055.140.040	140	40	D25	1055.180.040	180	40	H26
1055.100.050	100	50	F25	1055.140.050	140	50	B26	1055.180.050	180	50	H27
1055.100.060	100	60	D26	1055.140.060	140	60	L26	1055.180.060	180	60	H28
1055.100.070	100	70	B27	1055.140.070	140	70	G27	1055.180.070	180	70	B30
1055.100.080	100	80	G27	1055.140.080	140	80	B28	1055.180.080	180	80	D30
1055.100.090	100	90	E28	1055.140.090	140	90	M28	1055.180.090	180	90	G30
1055.100.100	100	100	B29	1055.140.100	140	100	G29	1055.180.100	180	100	M30
1055.120.010	120	10	D21	1055.160.010	160	10	A22	1055.200.010	200	10	L23
1055.120.020	120	20	B22	1055.160.020	160	20	M22	1055.200.020	200	20	G24
1055.120.030	120	30	E24	1055.160.030	160	30	A25	1055.200.030	200	30	F26
1055.120.040	120	40	B25	1055.160.040	160	40	A26	1055.200.040	200	40	F27
1055.120.050	120	50	L25	1055.160.050	160	50	B27	1055.200.050	200	50	G28
1055.120.060	120	60	F26	1055.160.060	160	60	B28	1055.200.060	200	60	H29
1055.120.070	120	70	E27	1055.160.070	160	70	L28	1055.200.070	200	70	M30
1055.120.080	120	80	M27	1055.160.080	160	80	C29	1055.200.080	200	80	H31
1055.120.090	120	90	G28	1055.160.090	160	90	L29	1055.200.090	200	90	A32
1055.120.100	120	100	D29	1055.160.100	160	100	C30	1055.200.100	200	100	E32

FRESE Z=3 sconto 10% art. 1050/*Cutters Z=3 discount 10% art. 1050*
FRESE Z=6 aumento 20% art. 1060/*Cutters Z=6 increase 20% art. 1060*

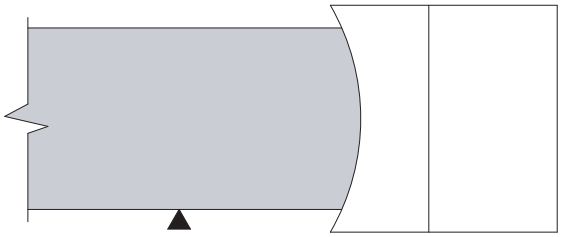


ESEMPI DI PROFILI
EXAMPLES OF PROFILES

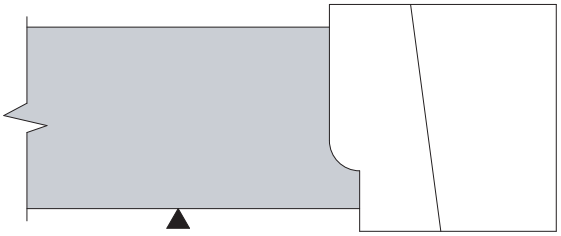
PROFILO SEMPLICE
SIMPLE PROFILE



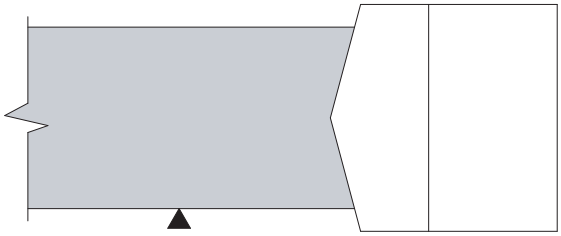
profilo n.1



profilo n.2

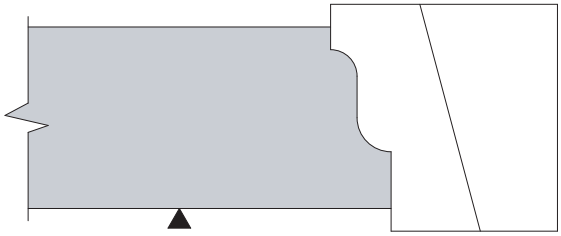


profilo n.3

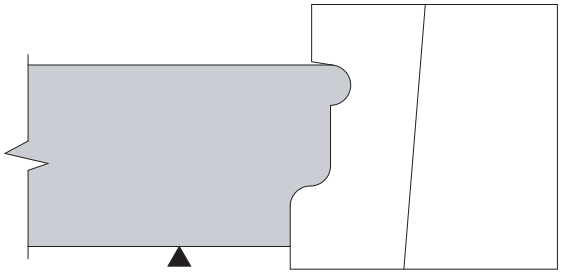


profilo n.4

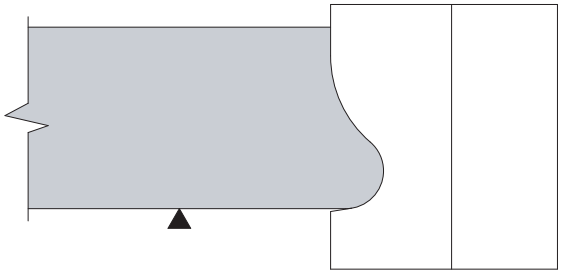
PROFILO COMPLESSO
COMPLEX PROFILE



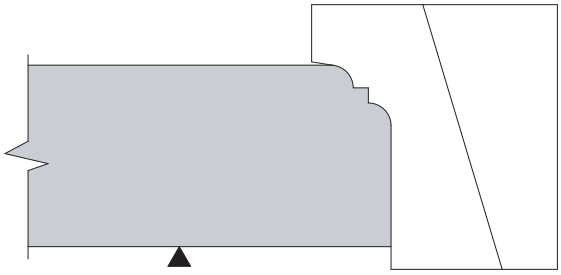
profilo n.5



profilo n.6

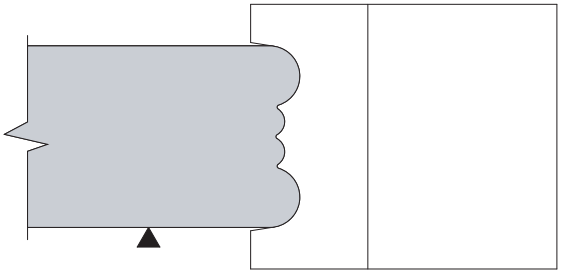


profilo n.7

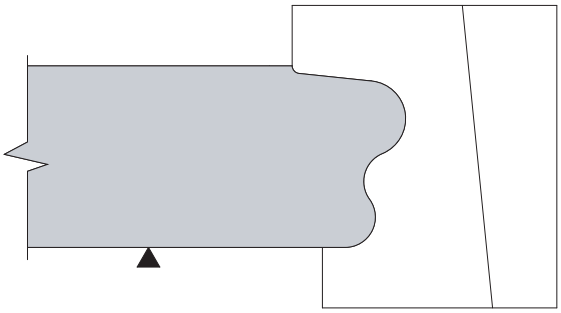


profilo n.8

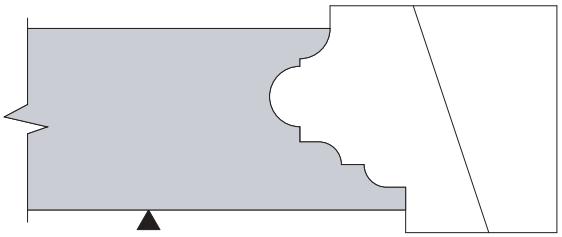
PROFILO SPECIALE
SPECIAL PROFILE



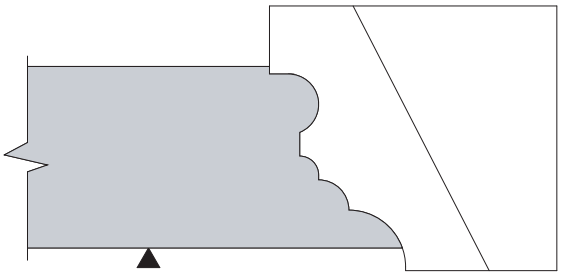
profilo n.1



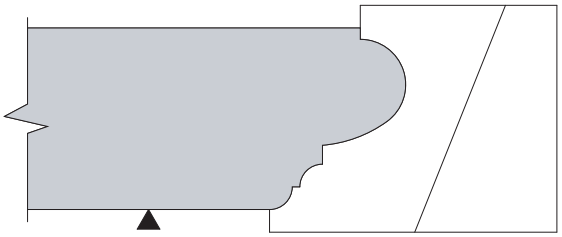
profilo n.2



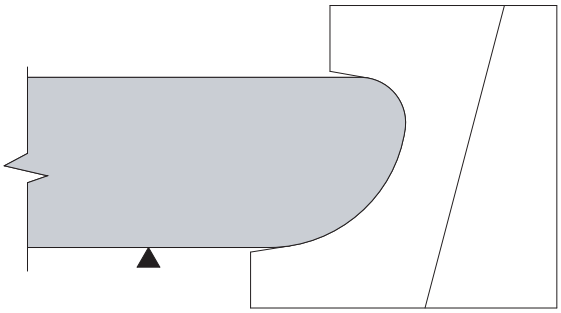
profilo n.3



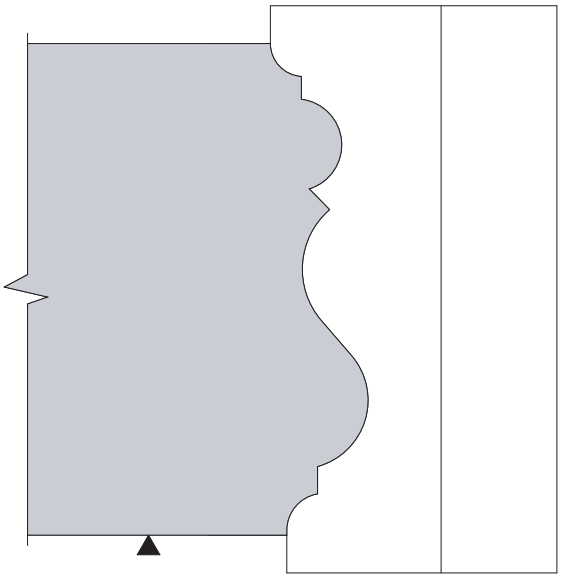
profilo n.4



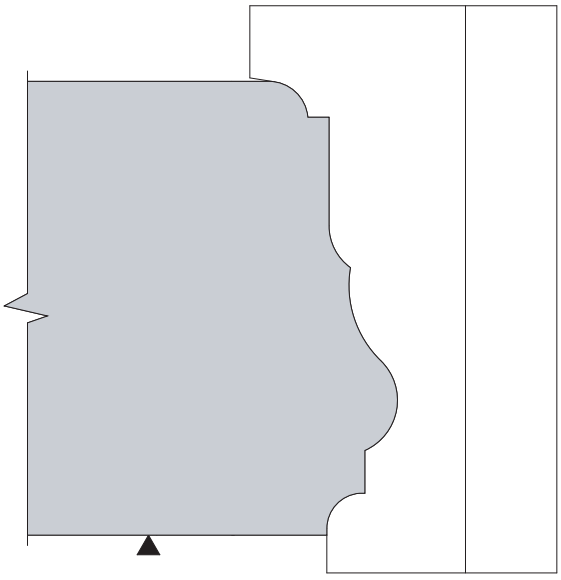
profilo n.5



profilo n.6



profilo n.7

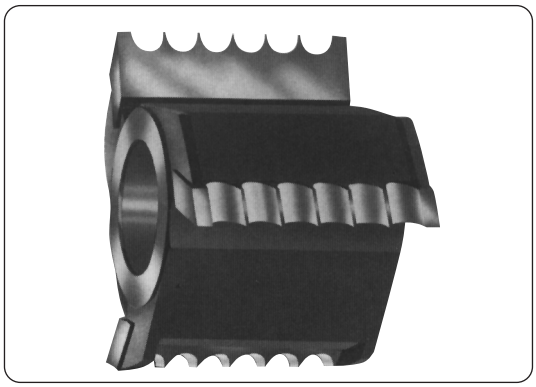


profilo n.8

1090

FRESA SAGOMATA PER BASTONCINI LISCI
SMOOTH DOWELS PROFILE CUTTER

BUP UTENSILI



HW **Z=3** **MEC** Avanzamento meccanico *Mechanical feed*

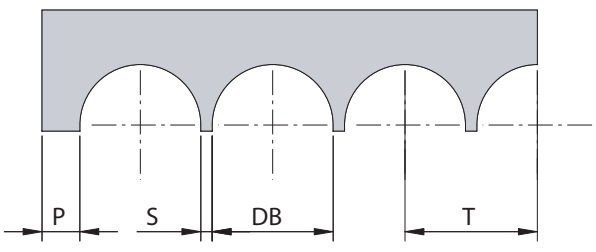
APPLICAZIONE/*APPLICATION*:
Per la realizzazione contemporanea di più bastoncini lisci
For cutting smooth dowels.

MACCHINA/*MACHINE*:
Scorniciatrici/*Moulders.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Impiego a coppie • Nr. giri ottimale fino ad un avanzamento di 15 mt./min. - n= 6.000 min^{-1} • Codice fresa = ART. + D + B • Esempio: fresa D. 120 per realizzare 6 bastoncini d. 8 zigrinati - Codice 1095.120.061
Use in pairs • Optimal RPM n=6.000 min^{-1} up to a feed rate of 15 m min^{-1} • Cutter code = ART. + D + B • Example = Cutter D. 120 to obtain 6 serrated dowels d.8 Code = 1095.120.061



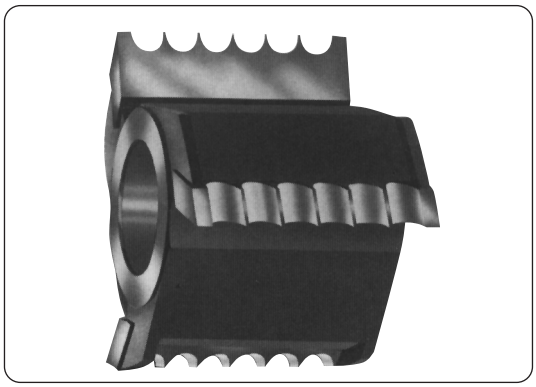
	Diam. bastoncino/Dowel diam.	DB	6	8	10	12	14	16	18	20
	Dentello/Spl. point	S	1	1	1	1,5	1,5	1,5	1,5	2
	Passo/Pitch	T	7	9	11	13,5	15,5	17,5	19,5	22
	Ras. esterno/Square end	P	4	4	5	5	5	5	5	7
	Diam. fresa/Cutter diameter	D	120	120	120	120	120	140	140	140
2	**Spess. fresa**/Thickness	B	21	25	31	33	40	44	48	56
	Cod. prezzo/Price code		D24	L24	B25	G25	M25	M26	E27	F28
3	**Spess. fresa**/Thickness	B	28	34	42	49	55	61	67	78
	Cod. prezzo/Price code		B25	G25	D26	C27	G27	B29	B30	L30
4	**Spess. fresa**/Thickness	B	35	43	53	63	71	79	87	100
	Cod. prezzo/Price code		C26	M26	F27	L28	M29	A31	M31	L32
5	**Spess. fresa**/Thickness	B	42	52	64	76	86	96	106	122
	Cod. prezzo/Price code		A27	A28	D29	F30	A31	E32	G33	E34
6	**Spess. fresa**/Thickness	B	49	61	75	90	102	114	126	144
	Cod. prezzo/Price code		G27	D29	D30	F31	D32	L33	F34	C35
7	**Spess. fresa**/Thickness	B	56	70	86	103	117	131	145	
	Cod. prezzo/Price code		D29	F30	D31	G32	L33	F34	C35	
8	**Spess. fresa**/Thickness	B	63	79	97	117	133	149		
	Cod. prezzo/Price code		M29	A31	B32	B33	C34	F35		
9	**Spess. fresa**/Thickness	B	70	88	108					
	Cod. prezzo/Price code		F30	E31	G32					
10	**Spess. fresa**/Thickness	B	77	97	119					
	Cod. prezzo/Price code		D31	D32	G33					



1095

FRESA SAGOMATA PER BASTONCINI ZIGRINATI
SERRATED DOWELS PROFILE CUTTER

BUP UTENSILI

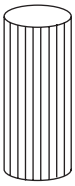


HW **Z=3** **MEC** Avanzamento meccanico *Mechanical feed*

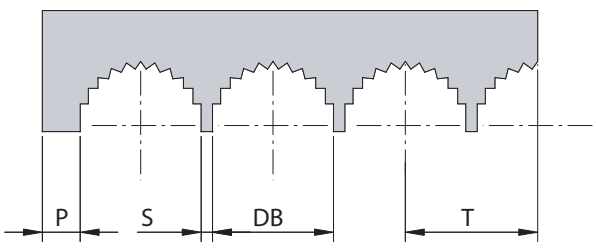
APPLICAZIONE/*APPLICATION*:
Per la realizzazione contemporanea di più bastoncini zigrinati
For cutting serrated dowels.

MACCHINA/*MACHINE*:
Scorniciatrici./*Moulders*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Impiego a coppie • Nr. giri ottimale fino ad un avanzamento di 15 mt./min. n= 6.000 min^{-1}
• Codice fresa = ART. + D + B
• Esempio: fresa D. 120 per realizzare 6 bastoncini d. 8 zigrinati - Codice 1095.120.061
Use in pairs • Optimal RPM n=6.000 min^{-1} up to a feed rate of 15 m min^{-1}
• Cutter code = ART. + D + B
• Example = Cutter D. 120 to obtain 6 serrated dowels d.8 - Code = 1095.120.061

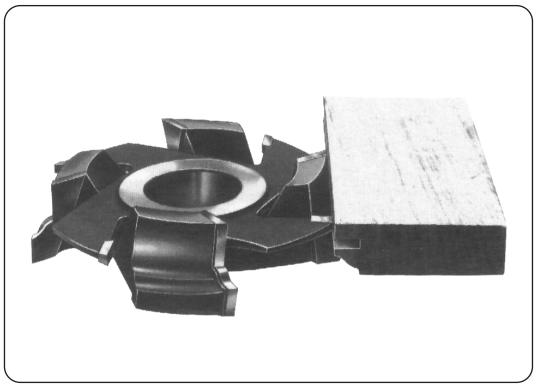


	Diam. bastoncino/Dowel diam.	DB	6	8	10	12	14	16	18	20
	Dentello/Spl. point	S	1	1	1	1,5	1,5	1,5	1,5	2
	Passo/Pitch	T	7	9	11	13,5	15,5	17,5	19,5	22
	Ras. esterno/Square end	P	4	4	5	5	5	5	5	7
	Diam. fresa/Cutter diameter	D	120	120	120	120	120	140	140	140
2	**Spess. fresa**/Thickness	B	21	25	31	33	40	44	48	56
	Cod. prezzo/Price code		G26	D27	H27	G28	A29	C30	M30	H31
3	**Spess. fresa**/Thickness	B	28	34	42	49	55	61	67	78
	Cod. prezzo/Price code		H27	G28	F29	H30	B31	D32	B33	L33
4	**Spess. fresa**/Thickness	B	35	43	53	63	71	79	87	100
	Cod. prezzo/Price code		E29	C30	B31	A32	A33	A34	L34	F35
5	**Spess. fresa**/Thickness	B	42	52	64	76	86	96	106	122
	Cod. prezzo/Price code		E30	C31	F32	F33	A34	C35	C36	M36
6	**Spess. fresa**/Thickness	B	49	61	75	90	102	114	126	144
	Cod. prezzo/Price code		B31	F32	D33	F34	B35	C36	M36	G37
7	**Spess. fresa**/Thickness	B	56	70	86	103	117	131	145	
	Cod. prezzo/Price code		F32	F33	C34	E35	C36	M36	G37	
8	**Spess. fresa**/Thickness	B	63	79	97	117	133	149		
	Cod. prezzo/Price code		A33	A34	M34	L35	G36	M37		
9	**Spess. fresa**/Thickness	B	70	88	108					
	Cod. prezzo/Price code		G33	D34	E35					
10	**Spess. fresa**/Thickness	B	77	97	119					
	Cod. prezzo/Price code		C34	B35	C36					



1120 - 1125

FRESE SAGOMATE PER ANTINE
PROFILE CUTTERS FOR KITCHEN DOORS



HW Z=4 MEC Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Gruppo di 2 frese per la profilatura di antine per mobili
Set of 2 cutters for profiling of kitchen doors.

MACCHINA/*MACHINE*:
Scorniciatrici/*Moulders.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo • Regolazione con anelli per lavorazione di diversi spessori di legno • Fresa per canali a spessore regolabile con anelli. Esecuzione con profilo sagomato per smussare il canale.
Designed with shear cutting angle for very good finishing on the wood
• Adjustable with spacers to work different thickness of wood
• Grooving cutter adjustable by rings and profiled for bevelled groove.

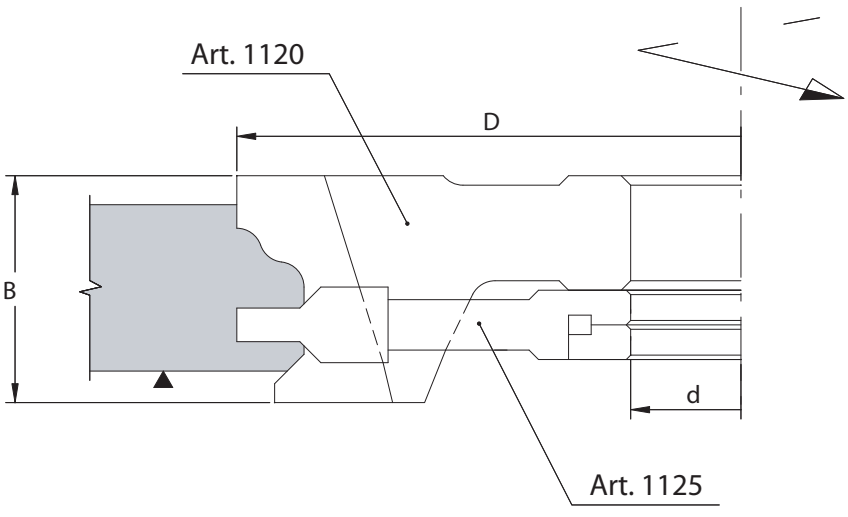
D. 140 - n. 5.200-9.000 min $^{-1}$
D. 160 - n. 4.800-8.200 min $^{-1}$

Art. 1120 - FRESA SAGOMATA/*PROFILE CUTTER*

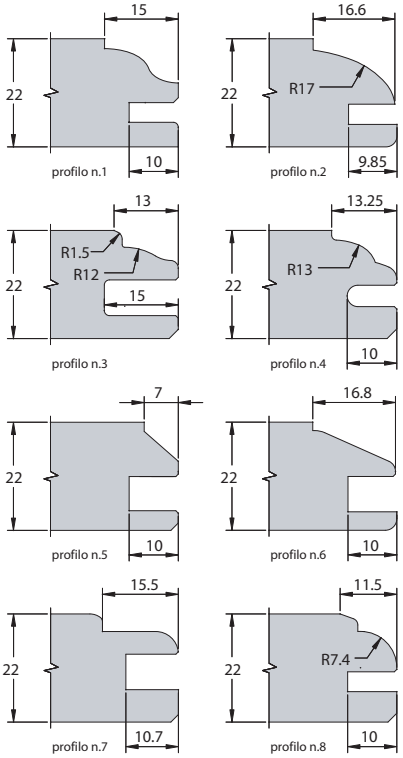
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1120.140.030	140	30	A23
1120.140.035	140	35	F23
1120.140.040	140	40	M23
1120.160.030	160	30	F23
1120.160.035	160	35	C24
1120.160.040	160	40	F24

Art. 1125 - FRESA CANALE REGOLABILE/*GROOVING CUTTER*

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1125.120.004	120	4÷7,5	D21
1125.140.004	140	4÷7,5	C22
1125.160.004	160	4÷7,5	H23

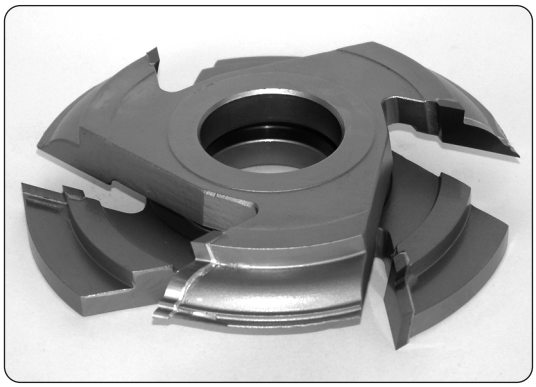


ESEMPI DI PROFILI / PROFIL SAMPLE



1155 - 1160 - 1165

FRESE SAGOMATE PER ANTINE (controsagoma)
PROFILE CUTTERS FOR KITCHEN DOORS (counterprofile)



APPLICAZIONE/*APPLICATION*:
Gruppo di 2 frese per la profilatura di antine per mobili
Set of 2 cutters for profiling of kitchen doors.

MACCHINA/*MACHINE*:
Toupie e squadratrici automatiche
Spindle shapers and automatic double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo
• Regolazione con anelli per lavorazione di diversi spessori di legno.
Designed with shear cutting angle for very good finishing on the wood
• Adjustable with spacers to work different thickness of wood.

D. 140 - n. 5.500-9.400 min $^{-1}$
D. 160 - n. 5.200-8.800 min $^{-1}$
D. 180 - n. 4.800-8.200 min $^{-1}$
D. 200 - n. 4.500-7.700 min $^{-1}$

HW
Z=4

MAN Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

Z=4

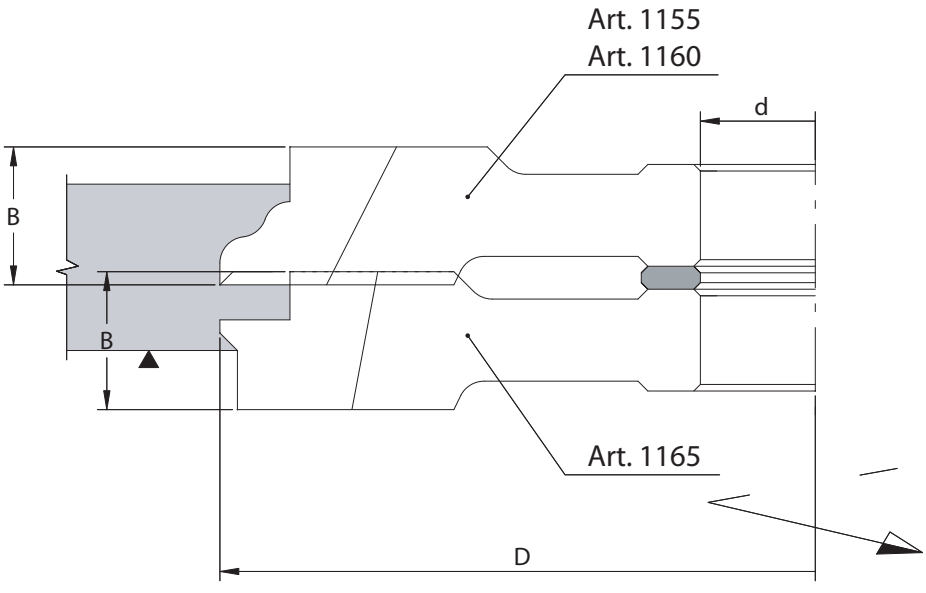
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1155.140.020	140	20	M21
1155.160.020	160	20	D22
1155.180.020	180	20	H23
1155.200.020	200	20	F24

Z=4+2

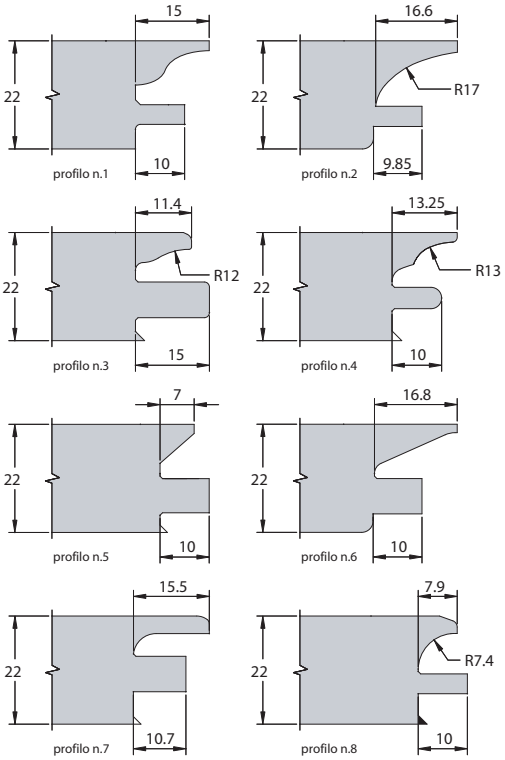
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1160.140.020	140	20	G24
1160.160.020	160	20	M24
1160.180.020	180	20	L25
1160.200.020	200	20	M26

Z=4

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1165.140.020	140	20	M21
1165.160.020	160	20	D22
1165.180.020	180	20	H23
1165.200.020	200	20	F24

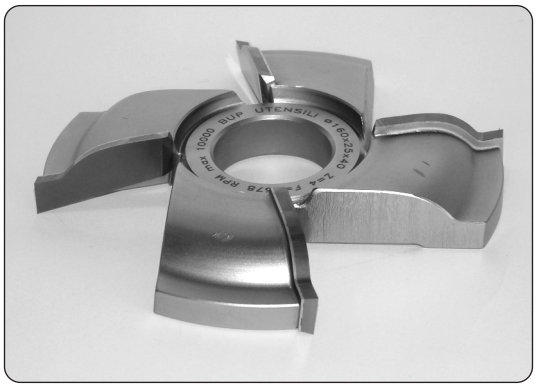


ESEMPI PROFILI / PROFILE SAMPLE



1190

FRESE SAGOMATE PER PIATTABANDE
RAISED PANEL PROFILE CUTTERS



HW-HS **Z=4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

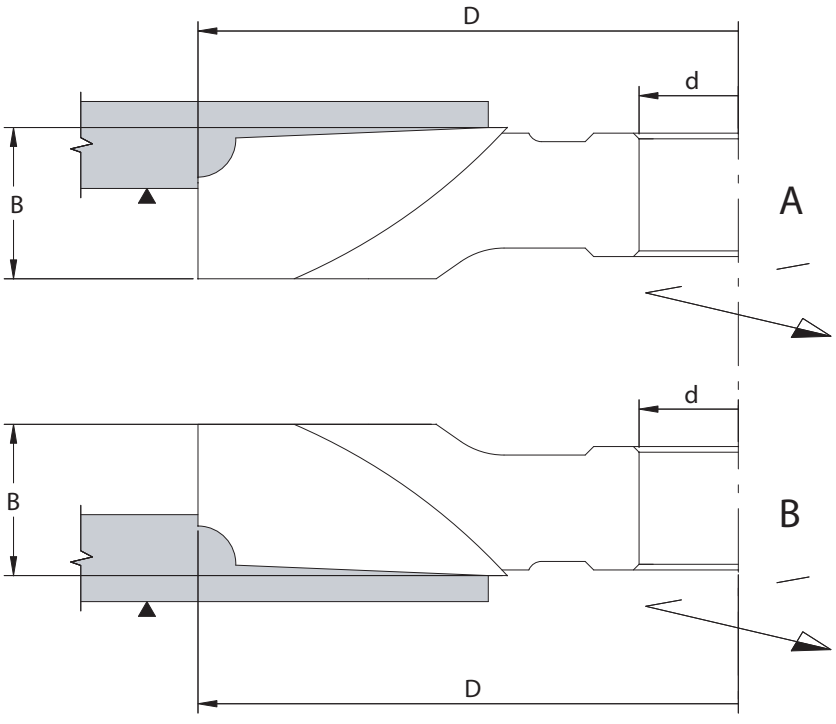
APPLICAZIONE/*APPLICATION*:
Fresa sagomata per la profilatura di pannelli per antine in legno
For profiling of kitchen doors panel.

MACCHINA/*MACHINE*:
Toupie e squadratrici automatiche
Spindle shapers and automatic double-end tenoners.

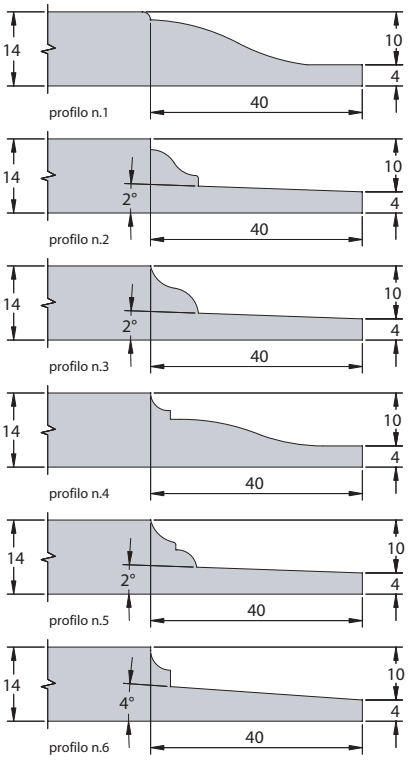
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con tagli assialmente inclinati per ottima finitura del pezzo • Regolazione con anelli per lavorazione di diversi spessori di legno • HW per legni abrasivi, incollati, esotici, MDF e truciolari • HSS per legni teneri e non incollati • Nelle indicazioni indicare sempre sempre il senso di rotazione Dis. A /legno sopra - Dis. B /legno sotto.
Designed with shear cutting angle for very good finishing on the wood • Adjustable with spacers to work different thickness of wood • HW for abrasive glued and hard woods, MDF or particleboard • HSS for soft woods not glued • With the orders please indicate rotation Drawing A/ wood face down - Drawing B/ wood face up.

D. 160 - n. 5.200-8.800 min $^{-1}$
D. 180 - n. 4.700-8.100 min $^{-1}$
D. 200 - n. 4.300-7.500 min $^{-1}$
D. 250 - n. 3.800-7.100 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1190.160.020	160	20	H22
1190.160.025	160	25	H23
1190.180.020	180	20	C23
1190.180.025	180	25	M23
1190.180.030	180	30	G24
1190.200.020	200	20	H23
1190.200.025	200	25	D24
1190.200.030	200	30	A25
1190.250.020	250	20	A25
1190.250.025	250	25	H25
1190.250.030	250	30	F26



ESEMPI PROFILI / PROFILE SAMPLE



1195

GRUPPO 7 FRESE MULTIPROFILO PER ANTINE
SET OF 7 MULTIPROFILE CUTTERS FOR DOORS



HW **Z=2+LT** **MAN** Avanzamento manuale *Manual feed*

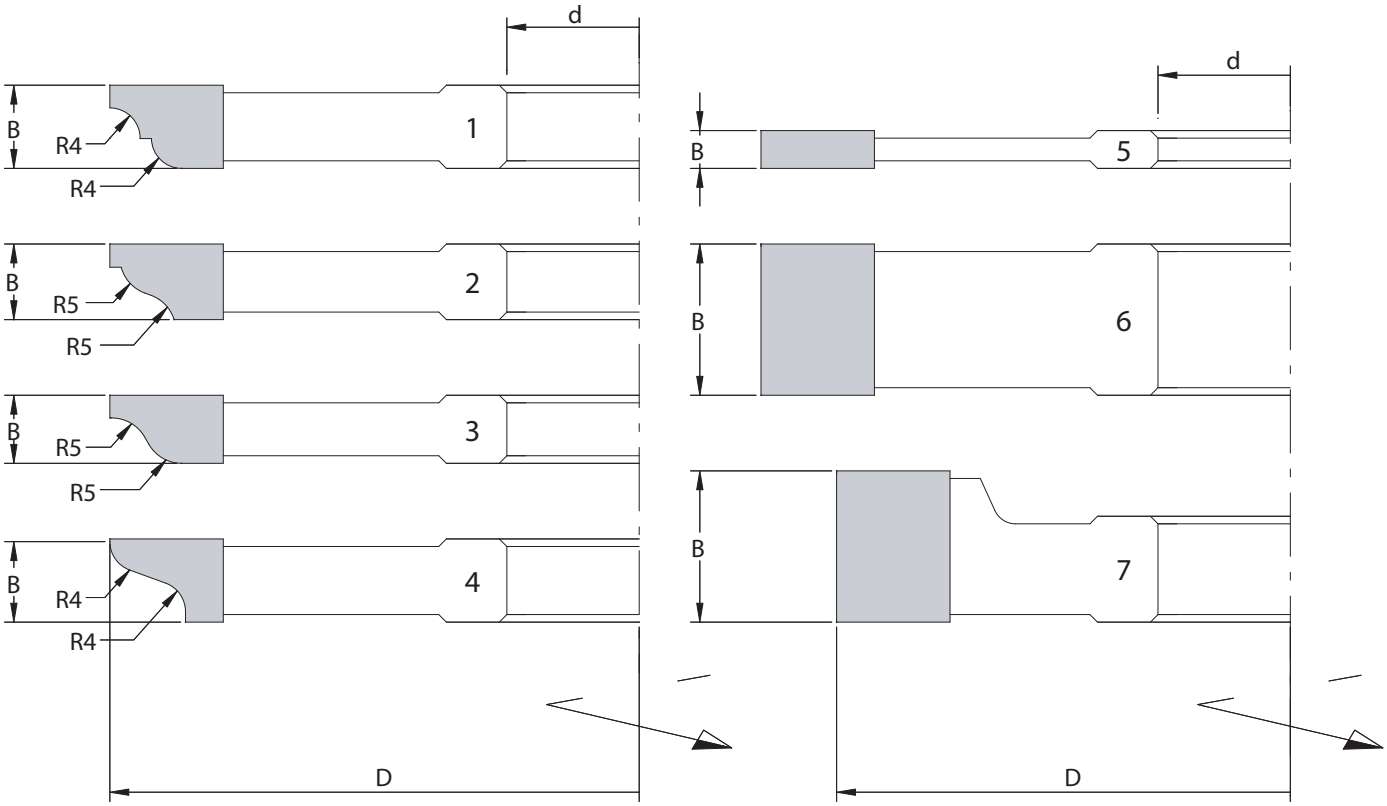
APPLICAZIONE/*APPLICATION*:
Gruppo di 7 frese sagomate per antine. Con la diversa combinazione delle frese si ottengono profilo, controprofilo e piattabanda
Set of 7 multiprofile cutters we can have profile, counterprofile and raised panel.

MACCHINA/*MACHINE*:
Toupie/*Spindle shaper.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 2 taglienti diritti e limitatore di truciolo • Foro "d" 30 e 35 mm.
Designed with 2 straight cuts and chip limiter • Bore "d" 30 or 35 mm.

n. 5.500-9.500 min $^{-1}$

Codice *Code*	**fresa** *cutter*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
	1	140	11	
	2	140	10	
	3	140	9	
	4	140	11	
	5	140	5	
	6	140	20	
	7	120	20	
1195.000.000	GRUPPO COMPLETO - *COMPLETE SET*			*G35*

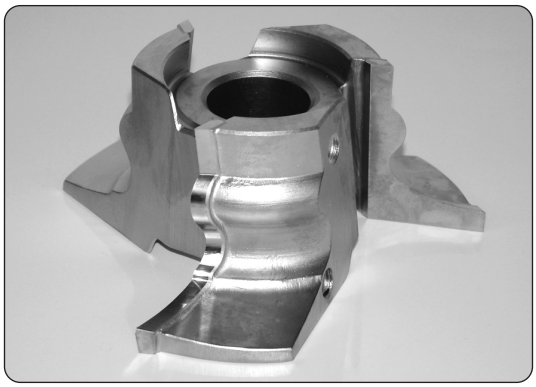


ESEMPI DI PROFILI
EXAMPLES OF PROFILES



1245

FRESE PER CORRIMANO
PROFILE CUTTERS FOR HANDRAIL



APPLICAZIONE/*APPLICATION*:
Fresa sagomata per l'esecuzione di corrimano
For profiling of handrails.

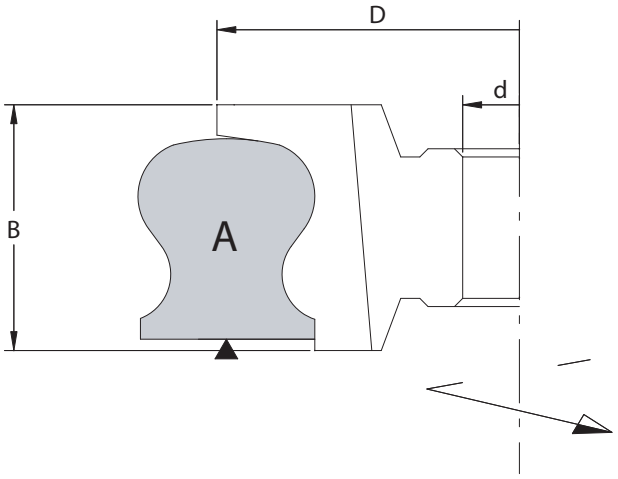
MACCHINA/*MACHINE*:
Toupie e scorniciatrici
Spindle shapers, moulders.

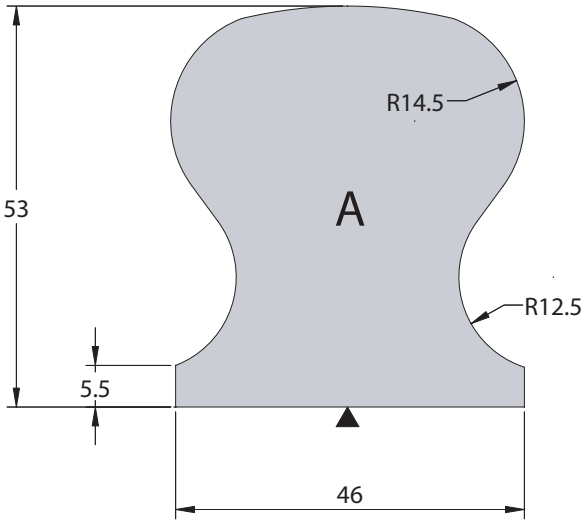
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 2 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 2 straight cuts • Bore "d" from 30 to 50 mm.

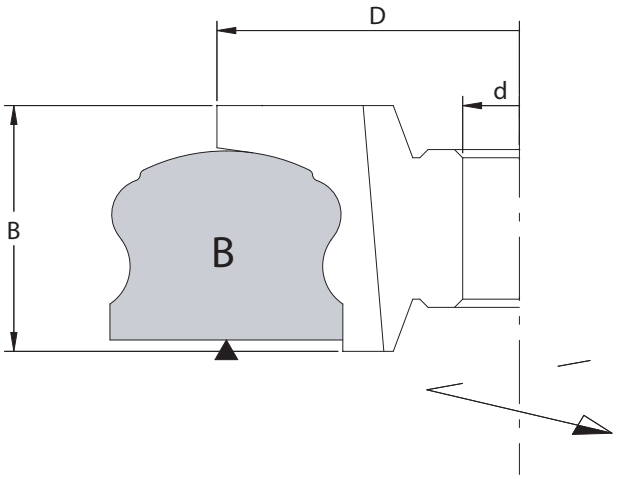
n. 4.000-8.000 min $^{-1}$

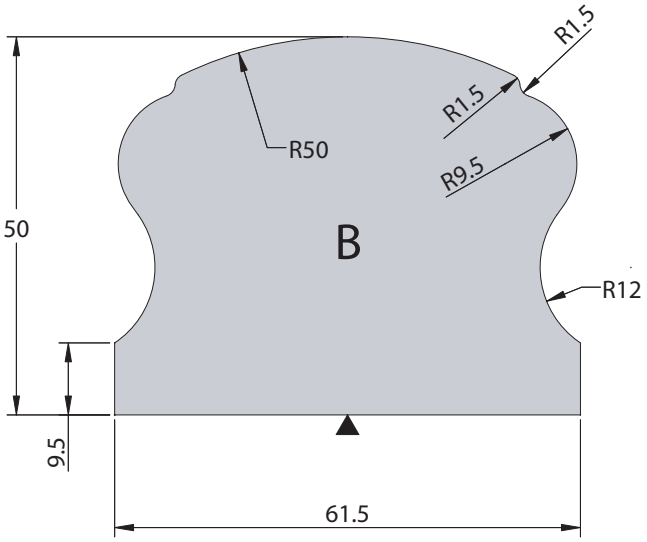
HW **Z=2** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

Codice *Code*	**D** *D*	**B** *B*	**Profilo** *Profile*	**Cod. Prezzo** *Price Code*
1245.160.001	160	65	A	L25
1245.160.002	160	65	B	L25





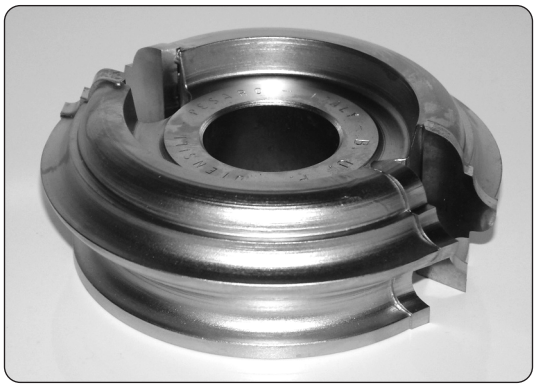




1315 - 1325

FRESE SAGOMATE MULTIPROFILO
MULTIPROFILE CUTTERS

BUP UTENSILI



HW **Z=2** **MAN** Avanzamento manuale *Manual feed*

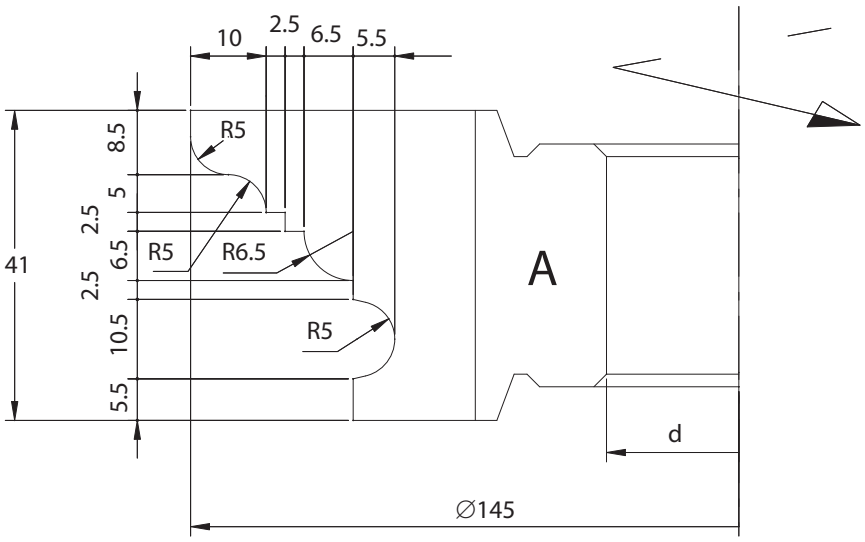
APPLICAZIONE/*APPLICATION*:
Fresa sagomata multiprofilo per cornici, listelli fermavetro e sagomature varie anche in più passaggi/*Multi-purpose cutters for mouldings in one or more working operations.*

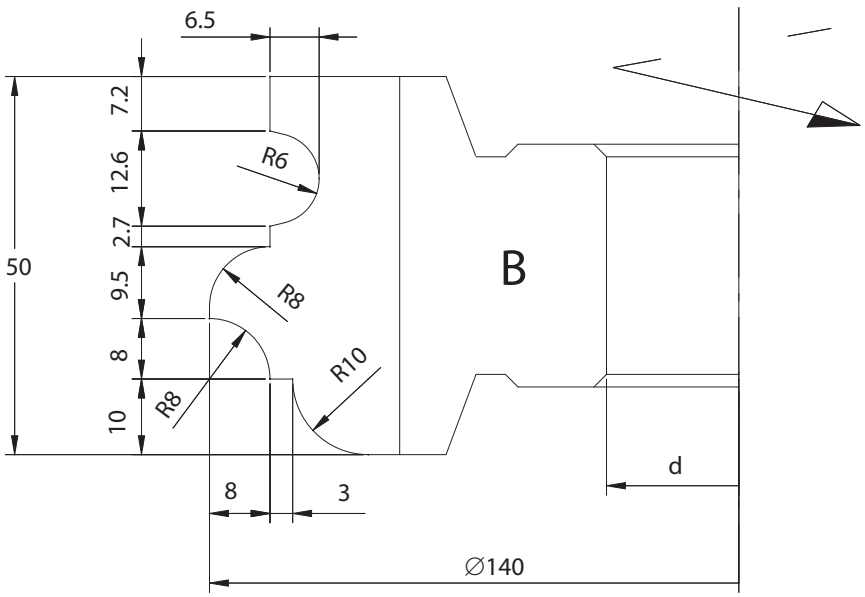
MACCHINA/*MACHINE*:
Toupie e scorniciatrici/*Spindle shapers, moulders.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 2 taglienti paralleli all'asse • Foro "d" da 30 a 40 mm.
Designed with 2 straight cuts • Bore "d" from 30 to 40 mm.

n. 5.000-9.300 min $^{-1}$

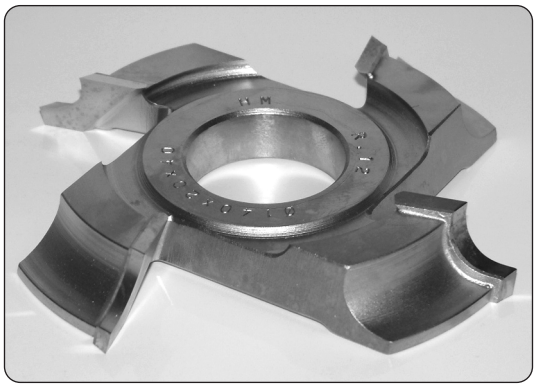
Codice *Code*	**D** *D*	**B** *B*	**Profilo** *Profile*	**Cod. Prezzo** *Price Code*
1315.145.041	145	41	A	A23
1325.140.050	140	50	B	D23





1345

FRESE PER QUARTI DI TONDO
CUTTER FOR QUARTER ROUND



HW **Z=4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

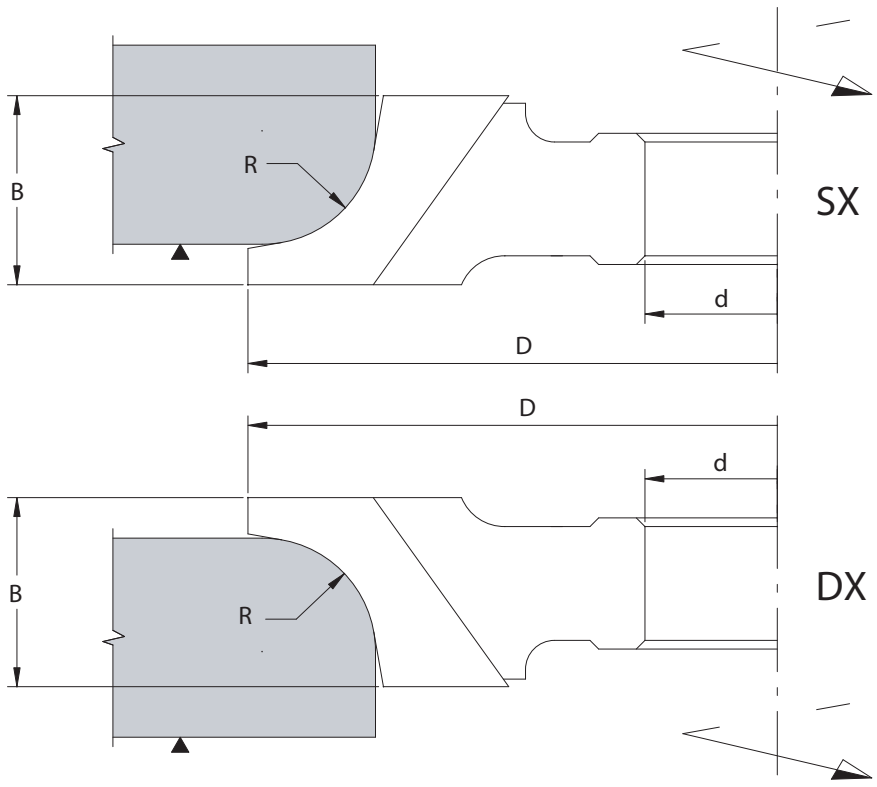
APPLICAZIONE/*APPLICATION*:
Fresa sagomata per quarti di tondo/*Profile cutter for quarter round.*

MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti assialmente inclinati • Foro "d" da 30 a 50 mm.
Designed with 4 shear cuts • Bore "d" from 30 to 50 mm.

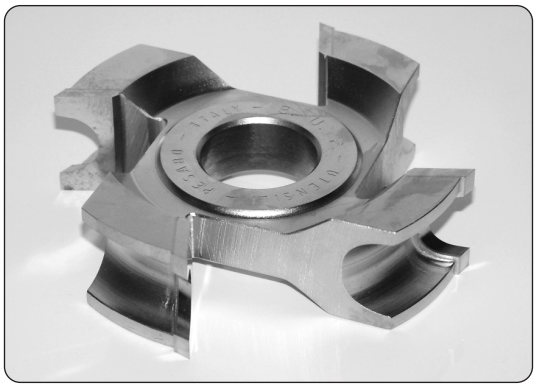
D. 140 - n. 5.500-9.400 min $^{-1}$
D. 160 - n. 4.800-8.200 min $^{-1}$
D. 180 - n. 4.500-7.700 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**R** *R*	**Cod. Prezzo** *Price Code*
1345.140.015	140	15	5	L19
1345.140.016	140	16	7,5	M19
1345.140.018	140	18	10	A20
1345.140.020	140	20	12,5	F20
1345.140.025	140	25	15	A21
1345.140.030	140	30	20	L21
1345.160.035	160	35	25	A23
1345.160.040	160	40	30	A24
1345.180.045	180	45	35	G26
1345.180.050	180	50	40	C27



1350

FRESE PER MEZZI TONDI
CUTTER FOR HALF ROUND



APPLICAZIONE/*APPLICATION*:
Fresa sagomata per esecuzione di mezzi tondi.
Nelle ordinazioni indicare sempre fig.1 o fig.2.
Profile cutter for half rounds.

MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici.
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 4 straight cuts • Bore "d" from 30 to 50 mm.

R. 5:7,5 **n. 5.500-9.400 min $^{-1}$**
R. 10:12,5 **n. 4.800-8.200 min $^{-1}$**
R. 15:20 **n. 4.500-7.700 min $^{-1}$**

HW **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

Codice *Code*	**D** *D*	**B** *B*	**R** *R*	**H** *H*	**Cod. Prezzo** *Price Code*
1350.140.020	140	20	5	10	M20
1350.140.022	140	22	6	12	D21
1350.140.025	140	25	7,5	15	G21
1350.140.035	140	35	10	20	G22
1350.140.040	140	40	12,5	25	B23
1350.140.045	140	45	15	30	H23
1350.140.055	140	55	20	40	C26

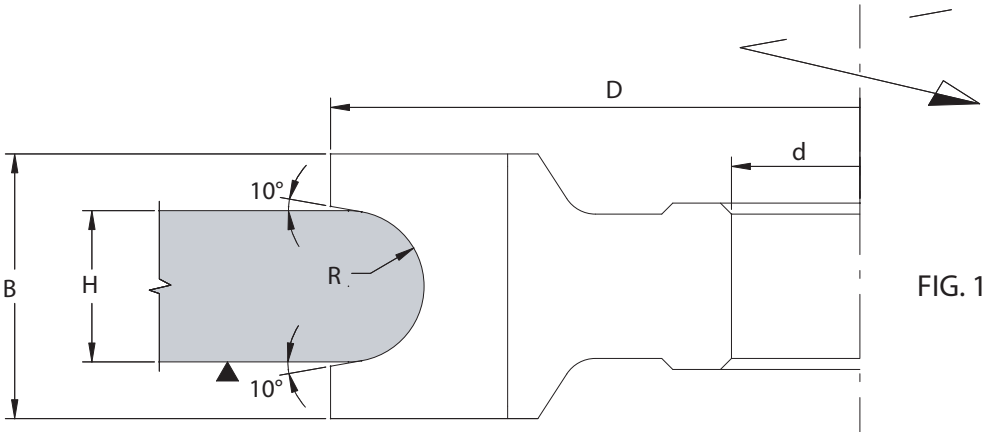


FIG. 1

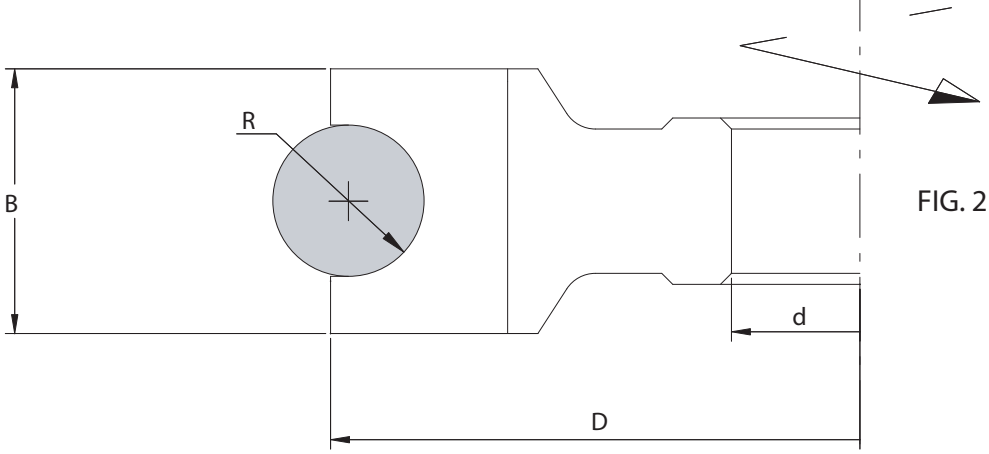


FIG. 2

1375

FRESE PER QUARTI DI TONDO
CUTTER FOR QUARTER ROUND



HW **Z=4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Fresa sagomata per quarti di tondo/*Profile cutter for quarter round.*

MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti assialmente inclinati • Foro "d" da 30 a 50 mm.
Designed with 4 shear cuts • Bore "d" from 30 to 50 mm.

D. 140 - n. 5.500-9.400 min $^{-1}$
D. 160 - n. 4.800-8.200 min $^{-1}$
D. 180 - n. 4.500-7.700 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**R** *R*	**Cod. Prezzo** *Price Code*
1375.140.010	140	10	5	F19
1375.140.013	140	13	7,5	H19
1375.140.015	140	15	10	M19
1375.140.018	140	18	12,5	A20
1375.140.020	140	20	15	F20
1375.140.025	140	25	20	A21
1375.160.030	160	30	25	D22
1375.160.035	160	35	30	A23
1375.180.040	180	40	35	A26
1375.180.045	180	45	40	G26

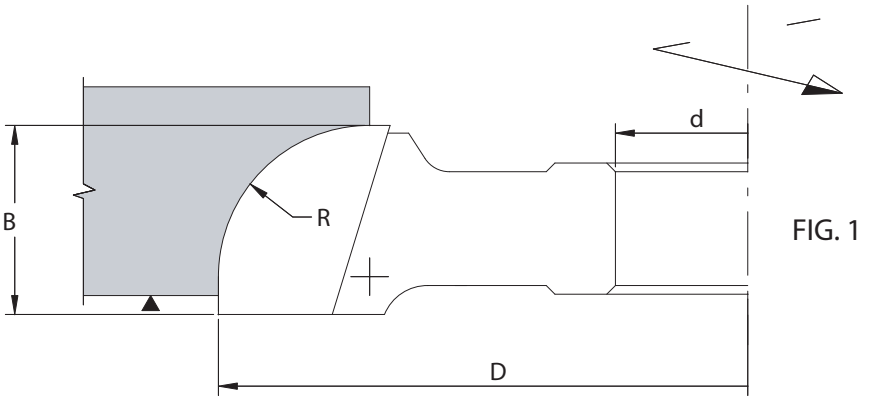


FIG. 1

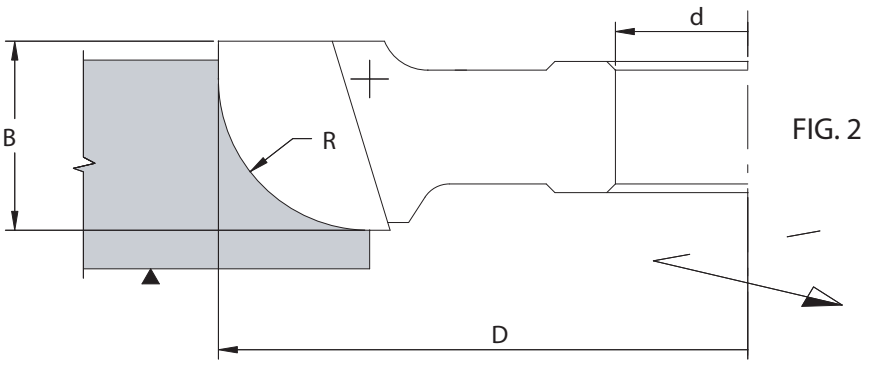
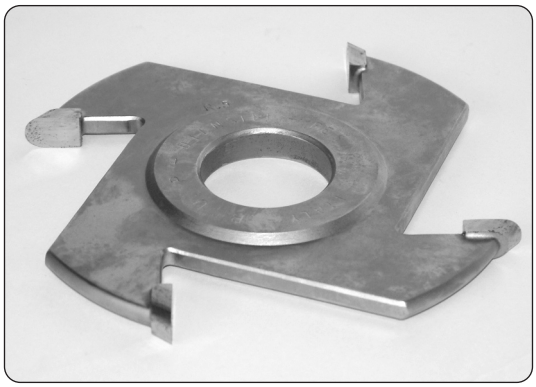


FIG. 2

1380

FRESE PER MEZZI TONDI
CUTTER FOR HALF ROUND



APPLICAZIONE/*APPLICATION*:
Fresa sagomata per esecuzione di mezzi tondi
Profile cutter for half rounds.

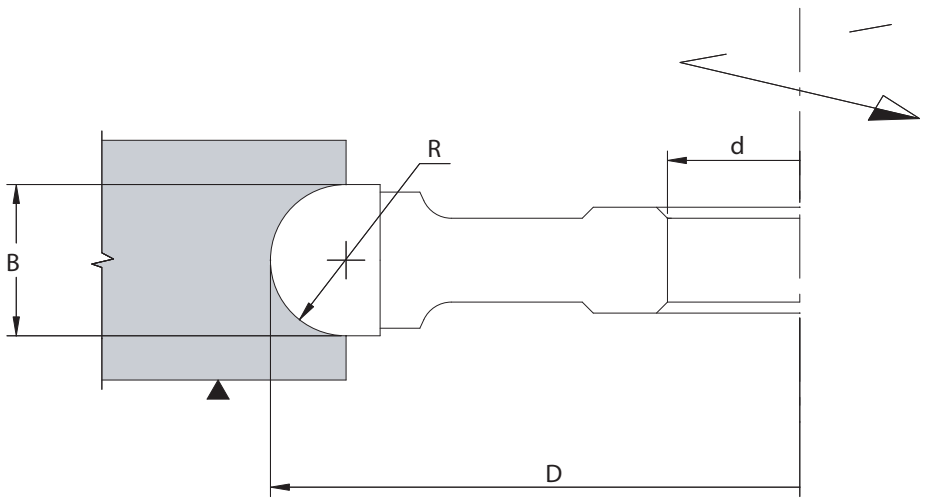
MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti paralleli all'asse • Foro "d" da 30 a 50 mm.
Designed with 4 straight cuts • Bore "d" from 30 to 50 mm.

R. 5:7,5 n. 5.500-9.400 min $^{-1}$
R. 10:12,5 n. 4.800-8.200 min $^{-1}$
R. 15:20 n. 4.500-7.700 min $^{-1}$

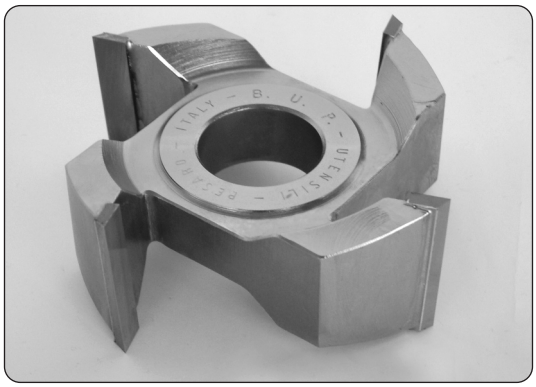
HW **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

Codice *Code*	**D** *D*	**B** *B*	**R** *R*	**Cod. Prezzo** *Price Code*
1380.140.010	140	10	5	F19
1380.140.012	140	12	6	H19
1380.140.015	140	15	7,5	M19
1380.140.020	140	20	10	F20
1380.140.025	140	25	12,5	A21
1380.140.030	140	30	15	F21
1380.140.040	140	40	20	A23



1460

FRESE PER BATTUTE
JOINTING/RABBETING CUTTERS



HW **Z=4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

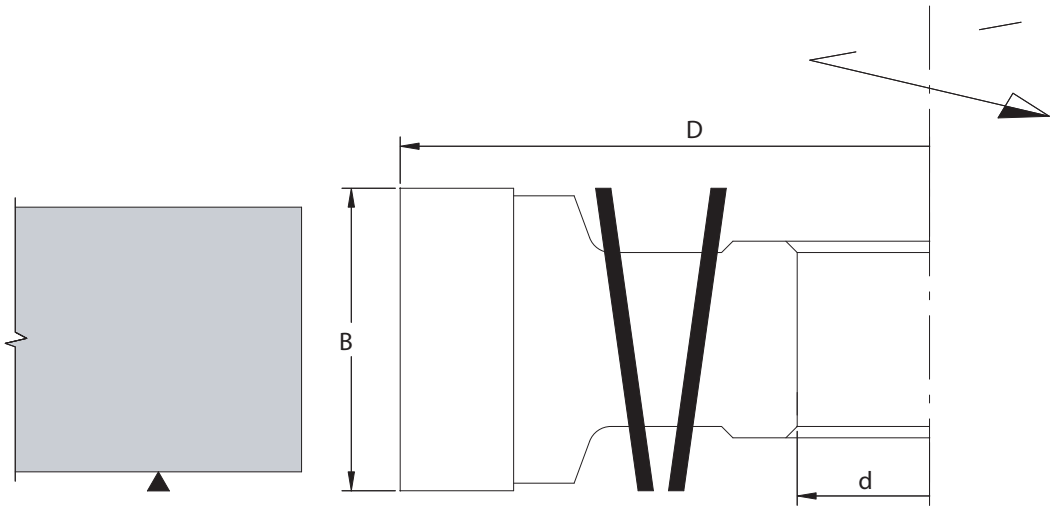
APPLICAZIONE/*APPLICATION*:
Fresa per squadrare ed eseguire battute/*For jointing and rabbeting.*

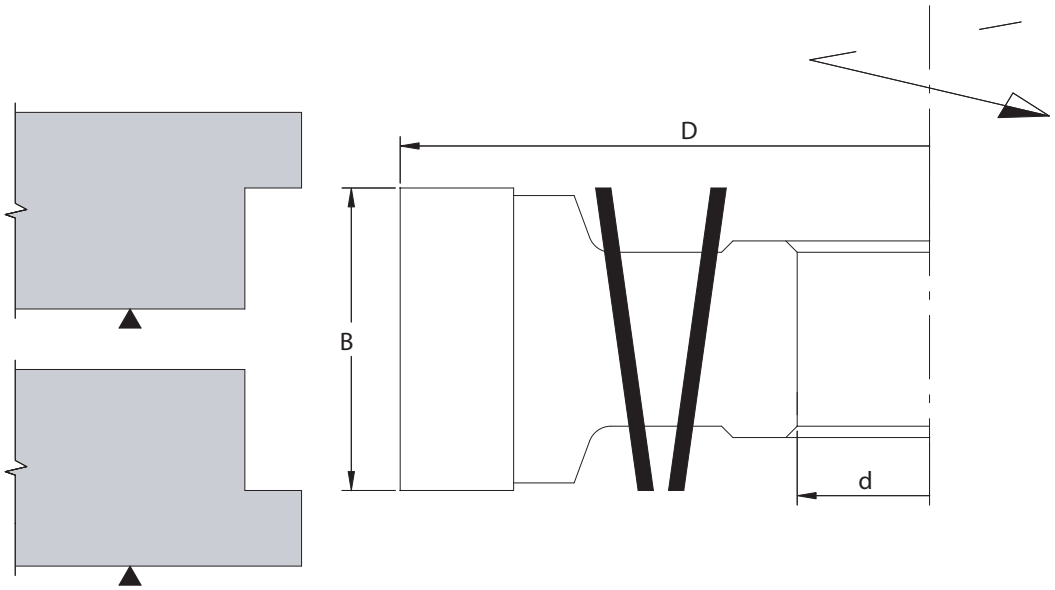
MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti inclinati ed alternati per ottima finitura
• Foro "d" da 30 a 50 mm.
Designed with 4 alternate shear cuts for good finishing on workpiece
• Bore "d" from 30 to 50 mm.

n. 6.000-9.500 min $^{-1}$

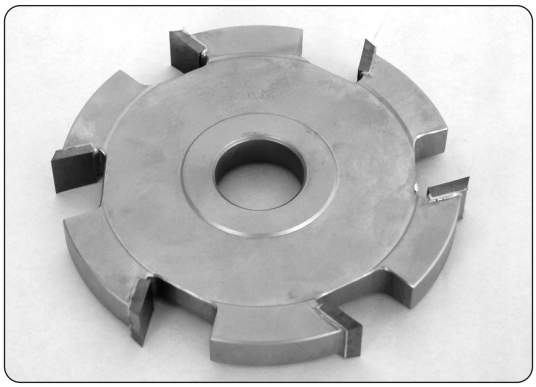
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1460.140.030	140	30	C20
1460.140.040	140	40	L20
1460.140.050	140	50	E21
1460.140.060	140	60	C22
1460.140.080	140	80	H23





1475

FRESE PER CANALI
GROOVING CUTTERS



HW Z=6 MAN Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

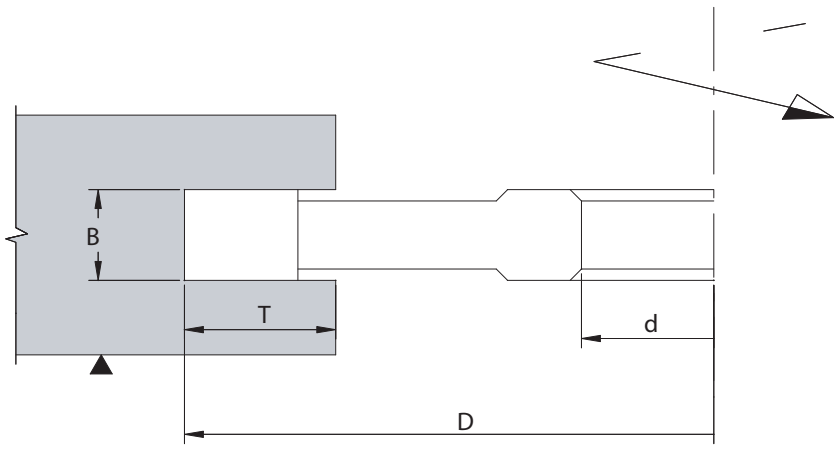
APPLICAZIONE/*APPLICATION*:
Fresa per esecuzione di canali/*For grooving.*

MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 6 taglienti diritti • Foro "d" da 30 a 50 mm
• **Profondità canale "T"**: foro "d" 30 - T= max 40 mm, foro "d" 35 - T= max 38 mm , foro "d" 40 - T= max 35 mm , foro "d" 50 - T= max 32 mm.
Designed with 6 straight cuts • Bore "d" from 30 to 50 mm
• ***Depth of groove "T"***: *bore "d" 30 - T= max 40 mm, bore "d" 35 - T= max 38 mm , bore "d" 40 - T= max 35 mm , bore "d" 50 - T= max 32 mm.*

n. 5.500-8.000 min $^{-1}$

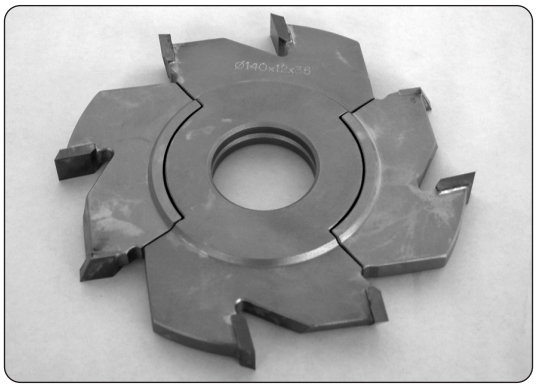
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1475.140.004	140	4	L14
1475.140.005	140	5	C15
1475.140.006	140	6	E15
1475.140.008	140	8	H15
1475.140.010	140	10	M15
1475.140.012	140	12	D16
1475.140.014	140	14	F16
1475.140.016	140	16	M16
1475.140.018	140	18	F17
1475.140.020	140	20	M17



1570

FRESE PER INCASTRI REGOLABILI
ADJUSTABLE GROOVING CUTTERS

BUP UTENSILI



HW **Z=4+4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Fresa per esecuzione di canali con spessore regolabile mediante anelli
For grooves with adjustable thickness by spacers.

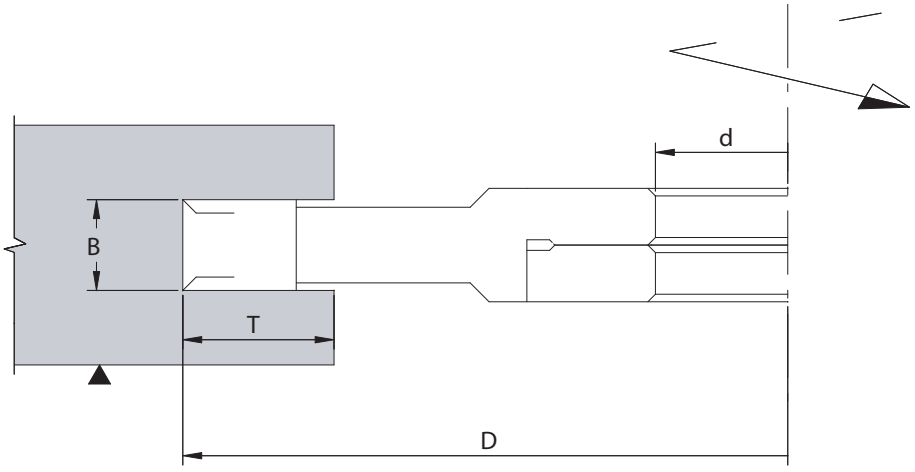
MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti, 4 incisori e limitatore di truciolo • Foro "d" da 30 a 40 mm
• **Profondità canale "T"**: D. 140 - T= max 30 mm, D. 160 - T= max 35 mm,
D. 180 - T= max 45 mm, D. 200 - T= max 55 mm
Designed with 4 cuts, 4 spurs and chip limiter • Bore "d" from 30 to 40 mm
• ***Depth of groove "T"***: *D. 140 - T= max 30 mm, D. 160 - T= max 35 mm,*
D. 180 - T= max 45 mm, D. 200 - T= max 55 mm

D. 140:160 - n. 4.700-7.200 min $^{-1}$
D. 180:200 - n. 4.000-5.800 min $^{-1}$

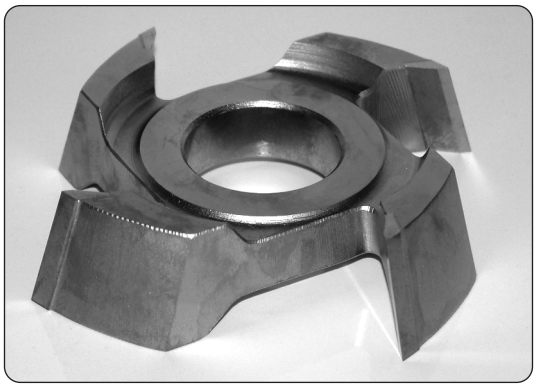
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1570.140.003	140	3:5,5	D19
1570.140.004	140	4:7,5	G19
1570.140.006	140	6:11,5	B20
1570.140.008	140	8:15,5	E20
1570.140.010	140	10:19,5	H20
1570.160.004	160	4:7,5	H20
1570.160.006	160	6:11,5	C21
1570.160.008	160	8:15,5	F21
1570.160.010	160	10:19,5	M21
1570.180.004	180	4:7,5	L21
1570.180.006	180	6:11,5	E22
1570.180.008	180	8:15,5	H22
1570.180.010	180	10:19,5	A23
1570.200.004	200	4:7,5	M22
1570.200.006	200	6:11,5	F23
1570.200.008	200	8:15,5	L23
1570.200.010	200	10:19,5	B24

Anelli distanziali a richiesta, vedi art. 8370
Spacers rings on request, see art. 8370



1625

FRESE PER SMUSSI A 45°
45° BEVELLING CUTTERS



HW **Z=4** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

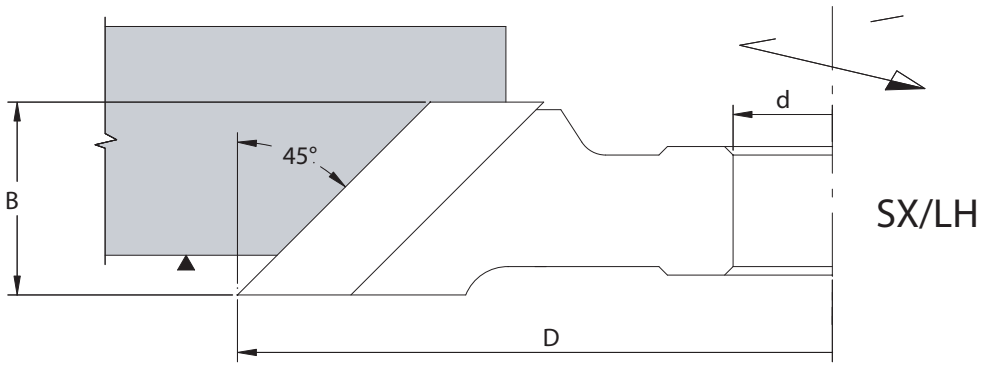
APPLICAZIONE/*APPLICATION*:
Fresa sagomata per esecuzione di smussi a 45°
Cutter for cutting bevels at 45°.

MACCHINA/*MACHINE*:
Toupie e scorniciatrici, squadratrici
Spindle shapers, moulders and double-end tenoners.

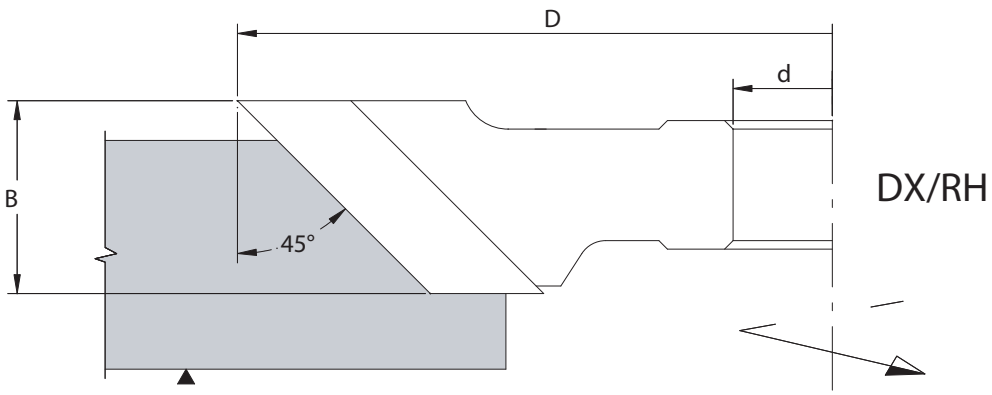
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:

D. 140 - d max 30 mm	**n. 5.500-8.100 min $^{-1}$**
D. 160 - d max 50 mm	**n. 4.800-7.100 min $^{-1}$**
D. 180 - d max 50 mm	**n. 4.200-6.100 min $^{-1}$**
D. 200 - d max 50 mm	**n. 3.500-5.200 min $^{-1}$**

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1625.140.030	140	30	B21
1625.160.030	160	30	F21
1625.180.030	180	30	M21
1625.180.050	180	40	H22
1625.200.030	200	30	C22
1625.200.050	200	50	A24



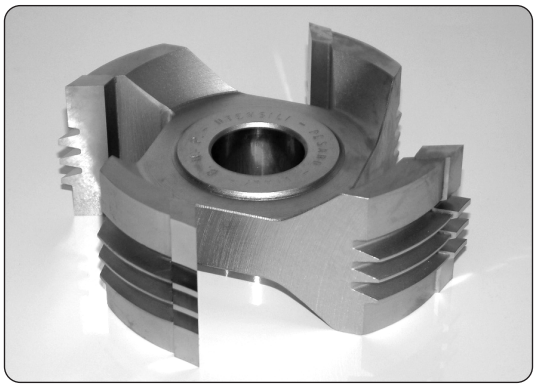
SX/LH



DX/RH

1685

FRESE PER GIUNZIONI
FINGER JOINT CUTTERS



HW Z=4 MAN Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

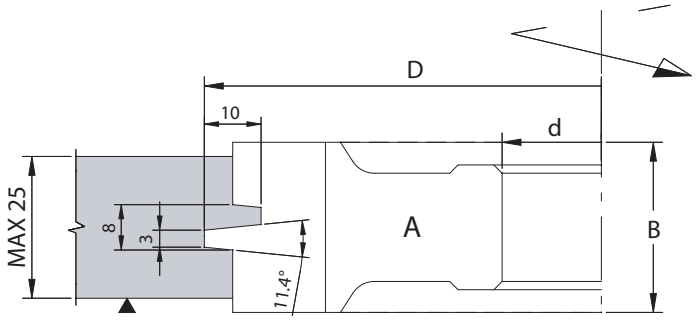
APPLICAZIONE/*APPLICATION*:
Per esecuzione di giunzioni lungo vena e di testa • Per la produzione di pannelli, listelli e parti di mobili.
For cutting finger joints and agaist the grain • To produce panels, parts for furniture industry and stair construction.

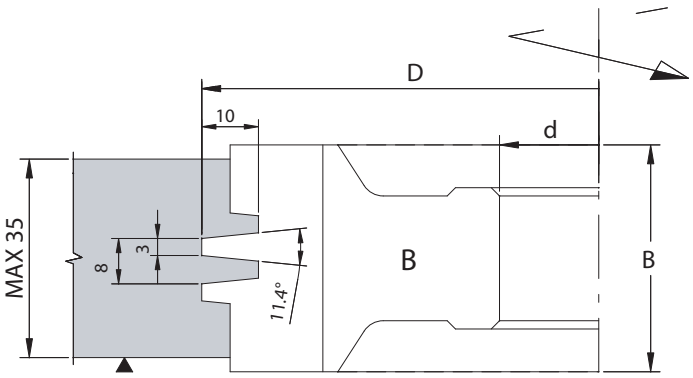
MACCHINA/*MACHINE*:
Toupie, scorniciatrici.
Spindle shapers, moulders.

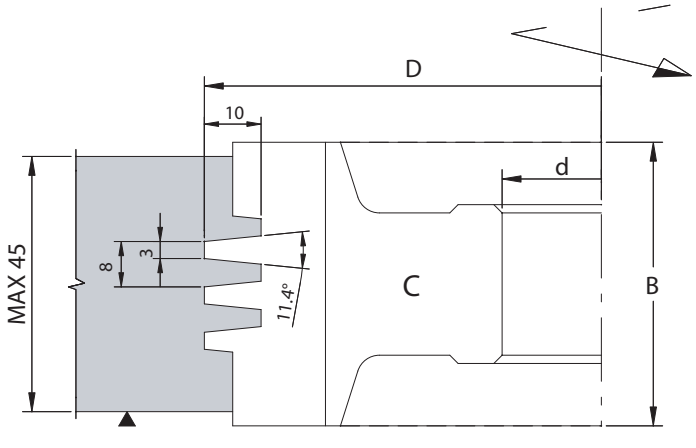
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm.
Bore "d" from 30 to 50 mm.

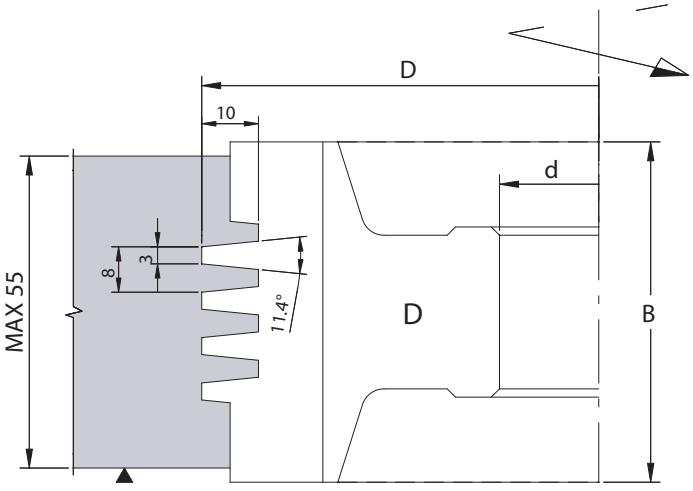
n. 5.500-8.100 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**Profilo** *Profile*	**Cod. Prezzo** *Price Code*
1685.140.030	140	30	A	E25
1685.140.040	140	40	B	B26
1685.140.050	140	50	C	A27
1685.140.060	140	60	D	L27



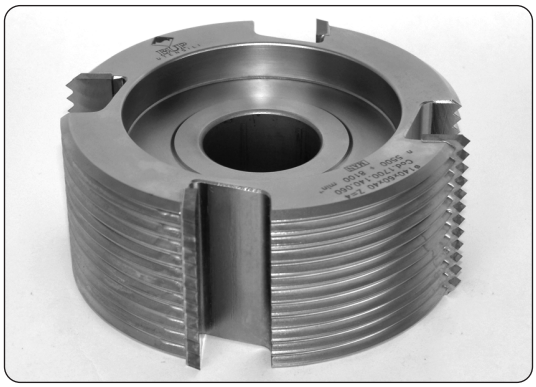






1700

FRESE PER GIUNZIONI
FINGER JOINT CUTTERS



APPLICAZIONE/*APPLICATION*:
Per esecuzione di giunzioni lungo vena • Per la produzione di pannelli per antine di mobili.
For cutting finger joints with the grain • To produce panels for furniture industry.

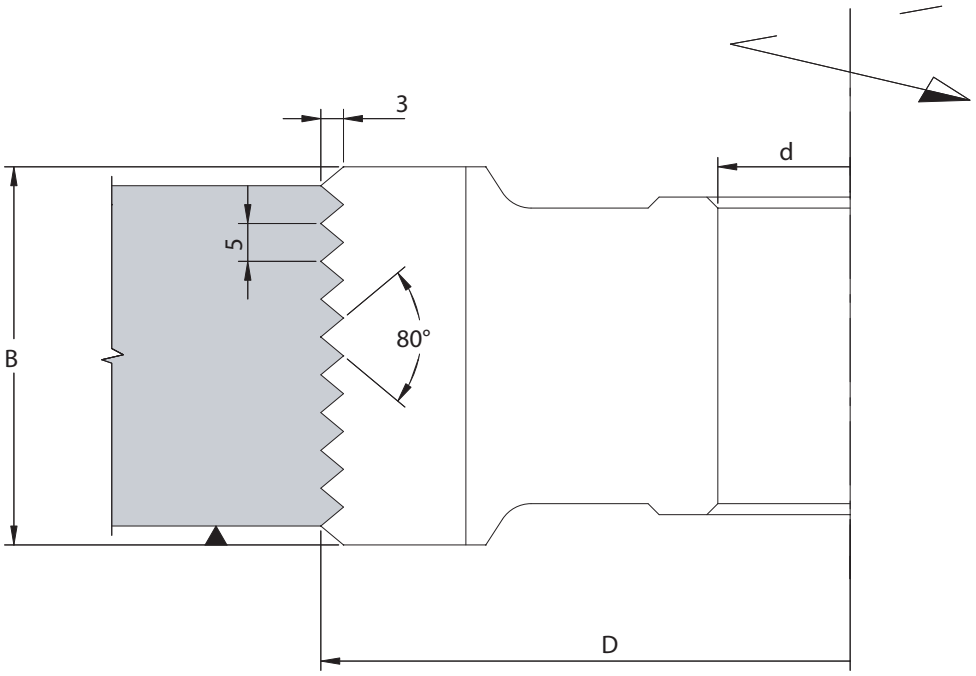
MACCHINA/*MACHINE*:
Toupie, scorniciatrici.
Spindle shapers, moulders.

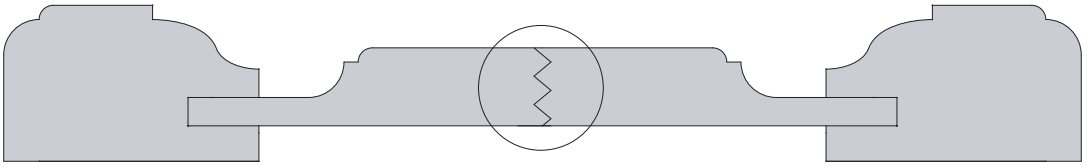
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm.
Bore "d" from 30 to 50 mm.

n. 5.500-8.100 min $^{-1}$

HW **Z=4** **MAN** Avanzamento manuale *Manual feed*
MEC Avanzamento meccanico *Mechanical feed*

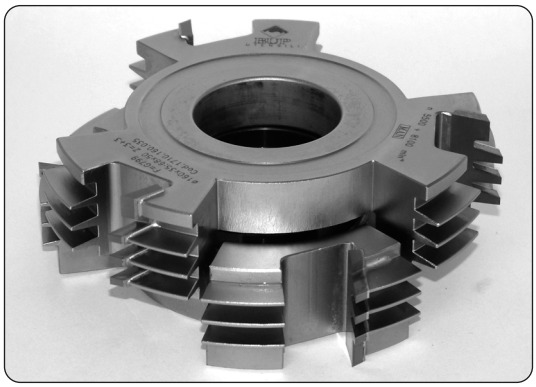
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1700.140.050	140	50	L25
1700.140.060	140	60	F26
1700.140.080	140	80	C28





1710

FRESE PER GIUNZIONI
FINGER JOINT CUTTERS



HW **Z=3+3** **MAN** Avanzamento manuale *Manual feed*

MEC Avanzamento meccanico *Mechanical feed*

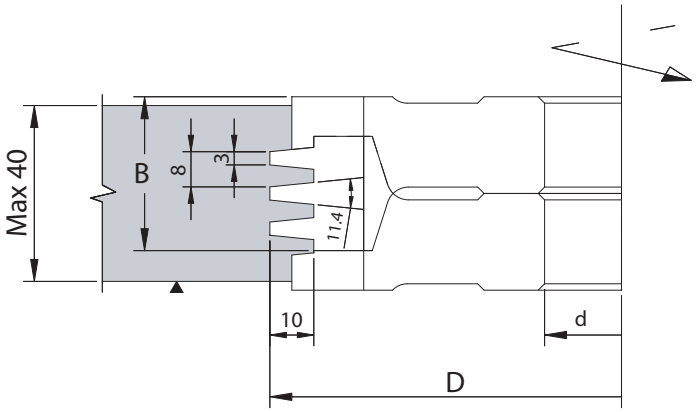
APPLICAZIONE/*APPLICATION*:
Per esecuzione di giunzioni lungo vena • Per la produzione di pannelli, listelli, parti di mobili e scale • Regolabile mediante anelli per diversi spessori di legno
For cutting finger joints with the grain • To produce panels, parts for furniture industry and stair construction • Adjustable by rings different wood thickness.

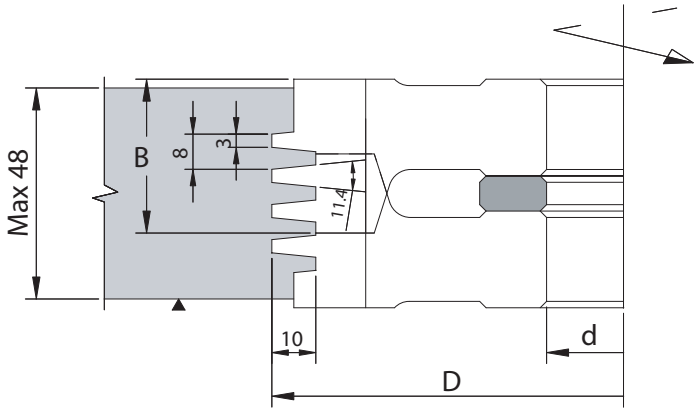
MACCHINA/*MACHINE*:
Toupie, scorniciatrici.
Spindle shapers, moulders.

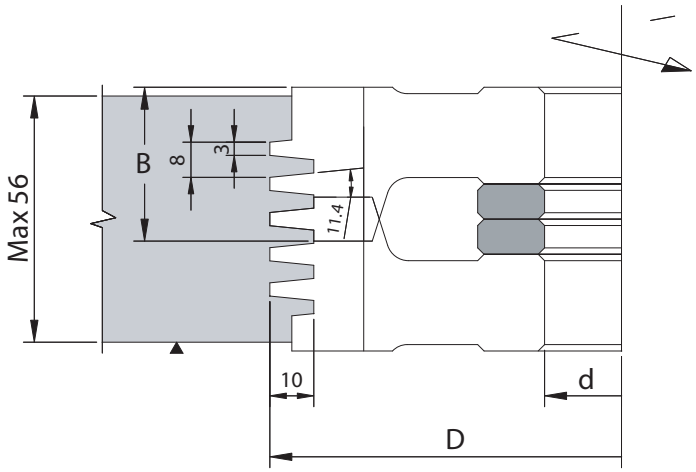
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm.
• Il gruppo viene fornito completo di anelli per la regolazione dello spessore.
Bore "d" from 30 to 50 mm.
• The cutterset include spacers for thickness adjustment.

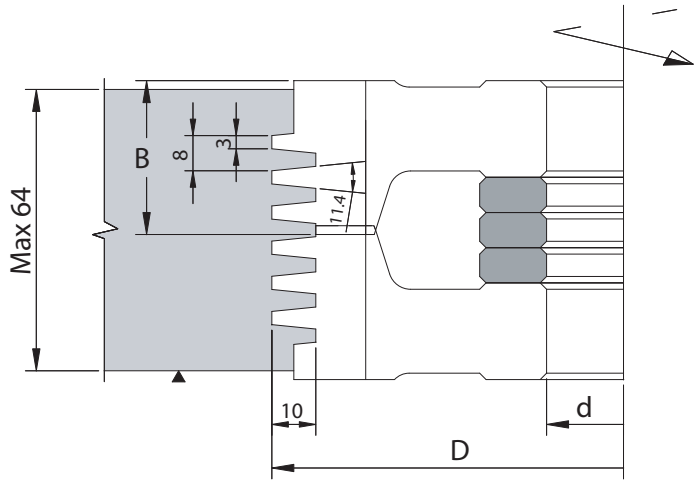
n. 5.500-8.100 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1710.160.035	160	35	C33



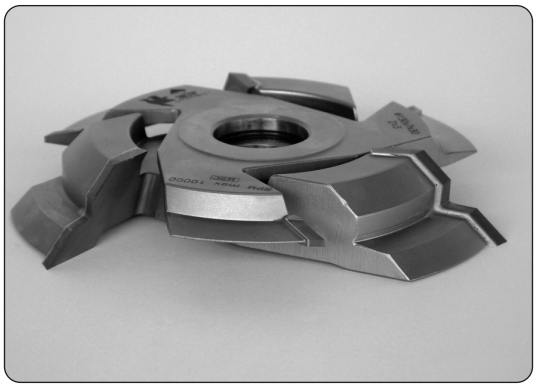






1730

FRESE PER GIUNZIONI
FINGER JOINT CUTTERS



HW **Z=3+3** **MEC** Avanzamento meccanico
Mechanical feed

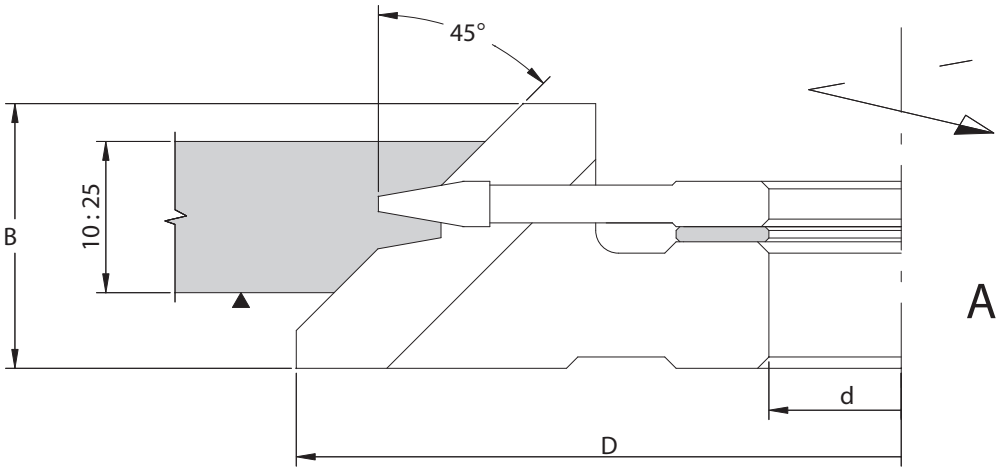
APPLICAZIONE/*APPLICATION*:
Per esecuzione di giunzioni di pannelli a 45° • Con la stessa fresa si ottengono profilo e controprofilo.
For cutting finger joints at 45° • The same cutter produce profile and counterprofile.

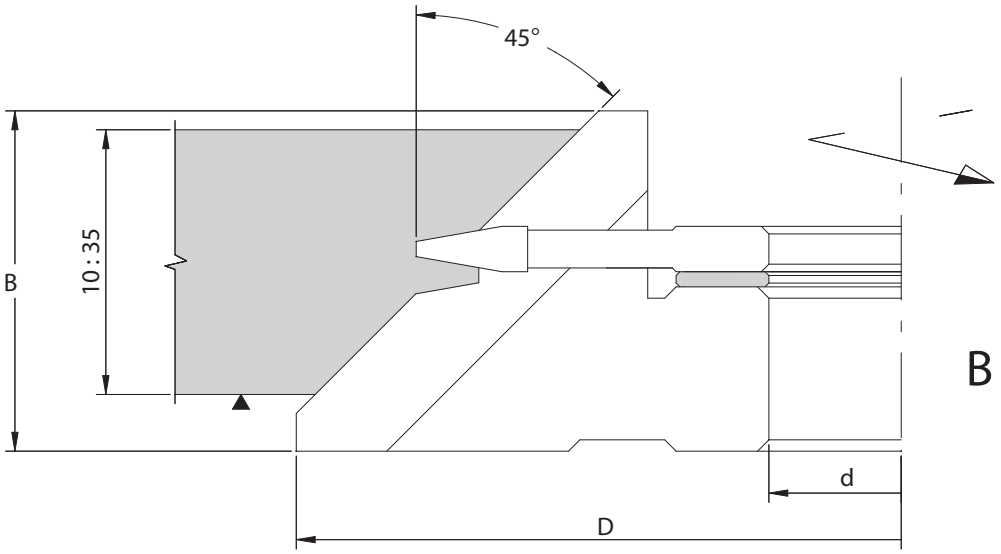
MACCHINA/*MACHINE*:
Toupie/*Spindle shapers.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 50 mm.
Bore "d" from 30 to 50 mm.

n. 5.500-9.500 min $^{-1}$

Codice *Code*	**D** *D*	**B** *B*	**Profilo** *Profile*	**Cod. Prezzo** *Price Code*
1730.160.035	160	35	A	G26
1730.160.045	160	45	B	B27

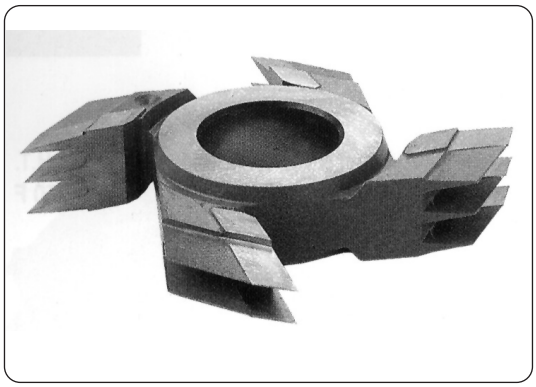




1735

FRESA PER GIUNZIONI TIPO "MINIZINKEN"
MINIZINKEN FINGER JOINT CUTTER

BUP UTENSILI



HW-HS **Z=4** **MEC** Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Per fresare giunzioni lungo vena per la produzione di strutture portanti, panneli e listelli su legni teneri e duri.
For cutting finger joints with the grain. For production of supporting construction parts and panels on soft and hard woods.

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 4 taglienti diritti • In HS per legni teneri
• In HW per legni duri (art. 1740) aumento 15%.
Designed with 4 straight cuts • HS for soft wood
• HW for hard wood (art. 1740) increase 15% .

n. max 8.000 min $^{-1}$

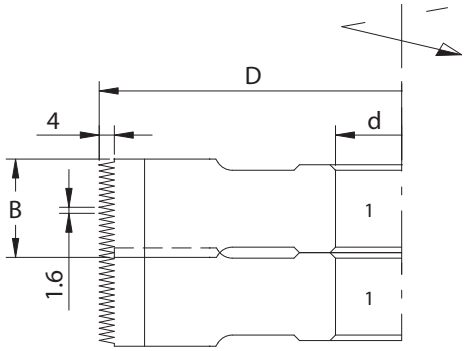
N°	Codice *Code*	D *D*	B *B*	P *P*	Cod. Prezzo *Price Code*
1	1735.160.000	160	26	4	A26
2	1735.160.001	160	28,6	10/10	H28
	1735.160.002	160	28,6	10/11	H28
3	1735.170.001*	170	28,6	15/15	D30
	1735.170.002*	170	28,6	15/16,5	D30
4	1735.180.001*	180	33	20/20	L31
	1735.180.002*	180	33	20/22	L31
5	1735.156.001	156	15	4	F20
6	1735.156.002	156	15	4	H18
7	1735.150.001	150	15	10	F20
8	1735.150.002	150	15	10	H18

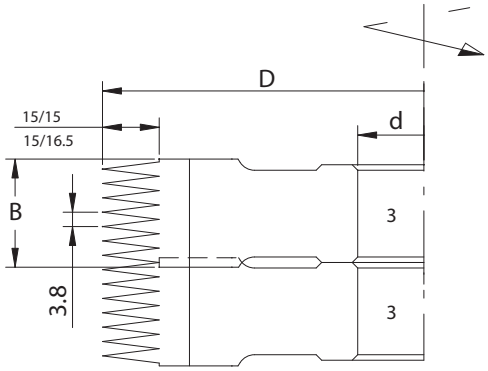
Si costruiscono solamente con taglienti HS/*Manufactured only with HS theet

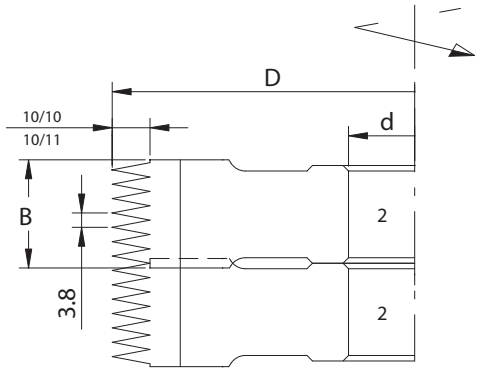
B=26 mm		B=28,6 mm		B=33 mm	
Legno max mm *Wood max mm*	nr.frese *nr.of cutters*	Legno max mm *Wood max mm*	nr.frese *nr.of cutters*	Legno max mm *Wood max mm*	nr.frese *nr.of cutters*
23	1	24	1	28	1
47	2	51	2	59	2
71	3	77	3	90	3
95	4	104	4	121	4
119	5	131	5	152	5
		157	6	183	6
		187	7	214	7
		210	8	245	8
		237	9	276	9
		264	10	307	10

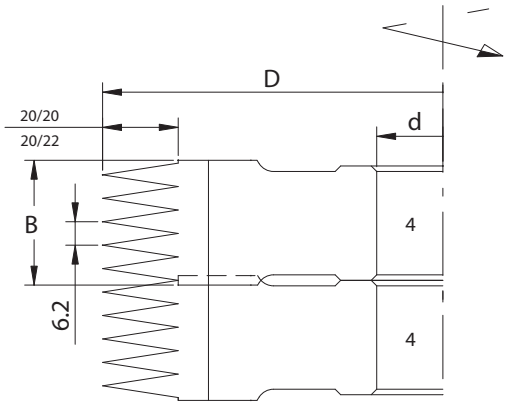
FRESA PER GIUNZIONI TIPO "MINIZINKEN"
MINIZINKEN FINGER JOINT CUTTER

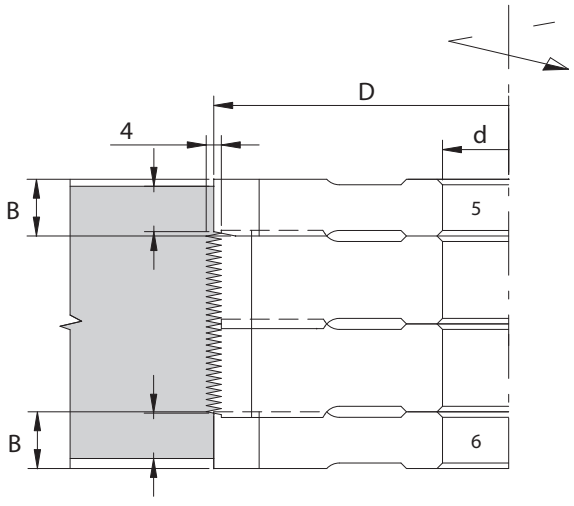
SCALA 1 : 2

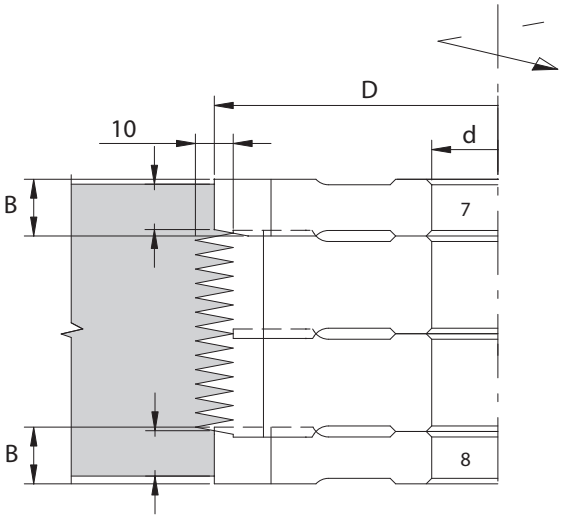






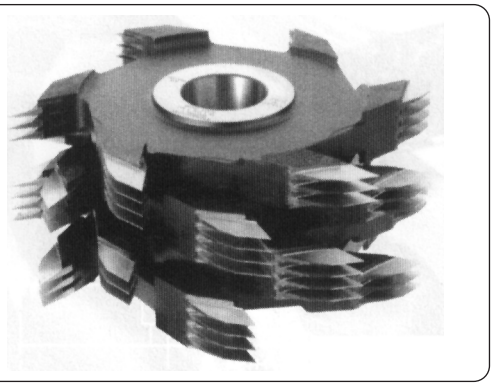






1745

FRESA PER GIUNZIONI TIPO "MINIZINKEN"
MINIZINKEN FINGER JOINT CUTTER



HW-HS **Z=6** **MEC** Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Per fresare giunzioni lungo vena per la produzione di strutture portanti, panneli e listelli su legni teneri e duri.
For cutting finger joints with the grain. For production of supporting construction parts and panels on soft and hard woods.

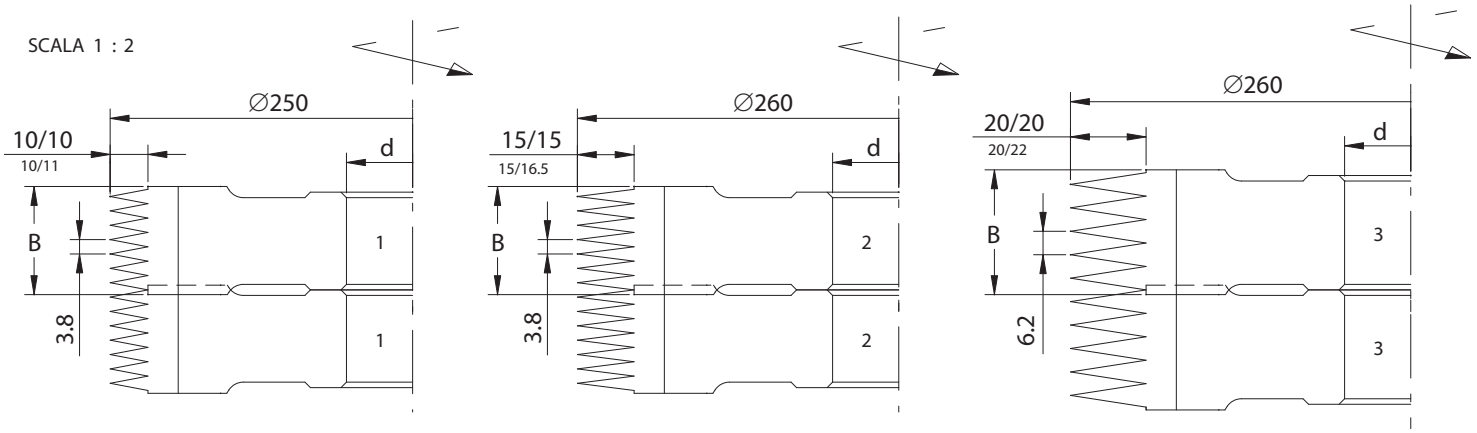
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con 6 taglienti diritti • In HS per legni teneri
• In HW per legni duri (art. 1750) aumento 15%.
Designed with 6 straight cuts • HS for soft wood
• HW for hard wood (art. 1750) increase 15%.

n. max 6.000 min $^{-1}$

N°	Codice *Code*	D *D*	B *B*	P *P*	Cod. Prezzo *Price Code*
1	1745.250.001	250	28,6	10/10	F32
	1745.250.002	250	28,6	10/11	F32
2	1745.260.001*	260	28,6	15/15	C34
	1745.260.002*	260	28,6	15/16,5	C34
3	1745.260.003*	260	33	20/20	H34
	1745.260.004*	260	33	20/22	H34

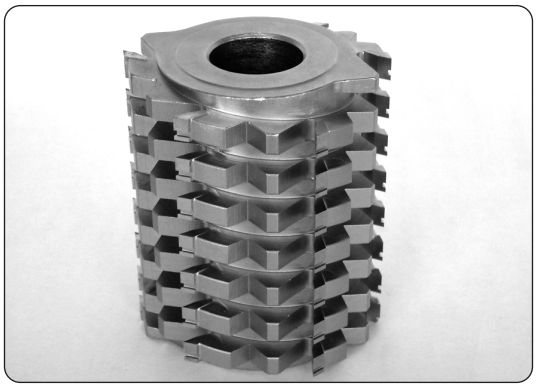
Si costruiscono solamente con taglienti HS/*Manufactured only with HS theet

B=28,6 mm		B=33 mm	
Legno max mm *Wood max mm*	nr.frese *nr.of cutters*	Legno max mm *Wood max mm*	nr.frese *nr.of cutters*
24	1	28	1
51	2	59	2
77	3	90	3
104	4	121	4
131	5	152	5
157	6	183	6
187	7	214	7
210	8	245	8
237	9	276	9
264	10	307	10



1760

FRESE MULTITAGLIENTI
SPIRAL MULTICUT CUTTERS



HW **Z=8** **MAN** Avanzamento manuale *Manual feed*

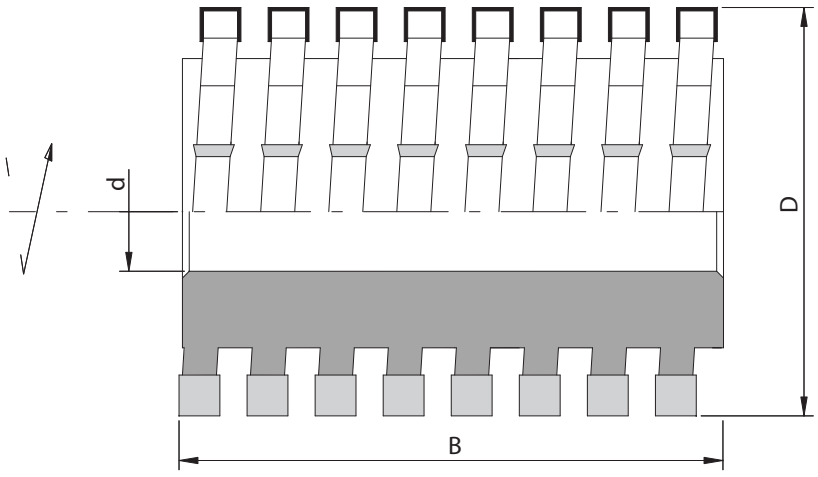
MEC Avanzamento meccanico *Mechanical feed*

APPLICAZIONE/*APPLICATION*:
Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.
For cutting and planing with great chip removel at high feed speed. Good finishing on workpiece.

MACCHINA/*MACHINE*:
Scorniciatrici e fresatrici a copiare/*Moulders, copy-shaper.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW.
Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts.

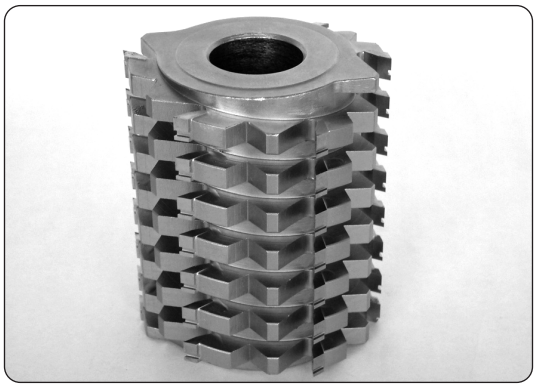
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1760.100.080	100	80	H24
1760.100.100	100	100	L26
1760.100.120	100	120	G29
1760.100.140	100	140	D31
1760.100.160	100	160	H32
1760.100.180	100	180	B33
1760.100.200	100	200	A34
1760.120.080	120	80	L24
1760.120.100	120	100	M26
1760.120.120	120	120	A30
1760.120.140	120	140	E31
1760.120.160	120	160	M32
1760.120.180	120	180	E33
1760.120.200	120	200	C34
1760.140.080	140	80	A25
1760.140.100	140	100	A27
1760.140.120	140	120	D30
1760.140.140	140	140	G31
1760.140.160	140	160	B33
1760.140.180	140	180	G33
1760.140.200	140	200	D34



1765

FRESE MULTITAGLIENTI
SPIRAL MULTICUT CUTTERS

BUP UTENSILI



APPLICAZIONE/*APPLICATION*:
Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.
For cutting and planing with great chip removel at high feed speed. Good finishing on workpiece.

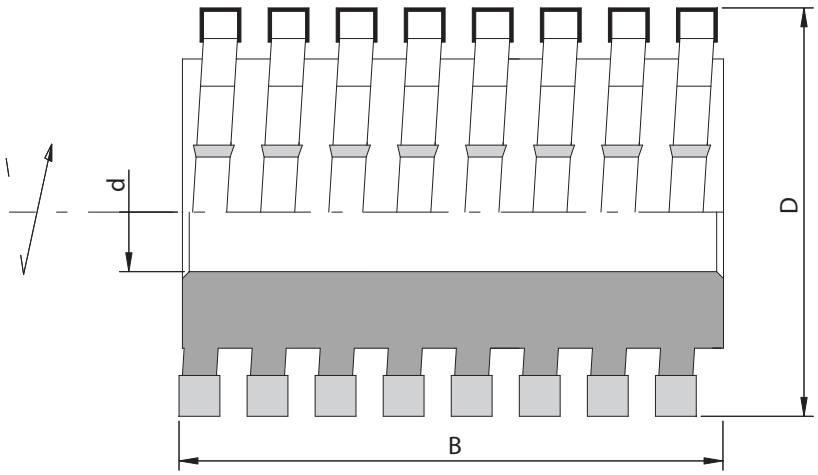
MACCHINA/*MACHINE*:
Scorniciatrici e fresatrici a copiare/*Moulders, copy-shaper.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW .
Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts.

HW **Z=12** **MAN** Avanzamento manuale *Manual feed*

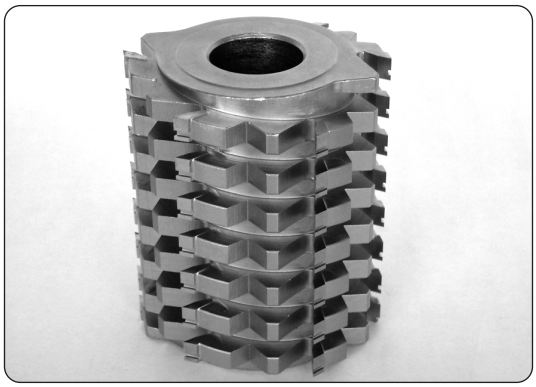
MEC Avanzamento meccanico *Mechanical feed*

Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1765.100.080	100	80	B26
1765.100.100	100	100	H28
1765.100.120	100	120	H31
1765.100.140	100	140	M32
1765.100.160	100	160	D34
1765.100.180	100	180	L34
1765.100.200	100	200	D35
1765.120.080	120	80	C26
1765.120.100	120	100	M28
1765.120.120	120	120	L31
1765.120.140	120	140	B33
1765.120.160	120	160	F34
1765.120.180	120	180	A35
1765.120.200	120	200	F35
1765.140.080	140	80	E26
1765.140.100	140	100	B29
1765.140.120	140	120	B32
1765.140.140	140	140	E33
1765.140.160	140	160	H34
1765.140.180	140	180	C35
1765.140.200	140	200	A36



1770

FRESE MULTITAGLIENTI
SPIRAL MULTICUT CUTTERS



HW **Z=16** **MAN** Avanzamento manuale *Manual feed*

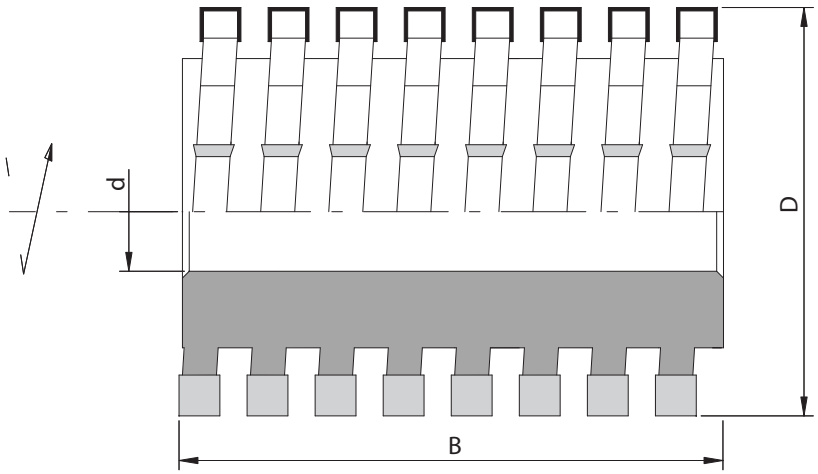
MEC Avanzamento meccanico *Mechanical feed*

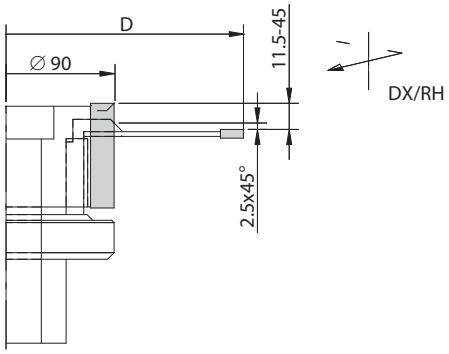
APPLICAZIONE/*APPLICATION*:
Per piallare e fresare con grandi asportazioni di truciolo e alte velocità di avanzamento ottenendo una buona finitura.
For cutting and planing with great chip removel at high feed speed. Good finishing on workpiece.

MACCHINA/*MACHINE*:
Scorniciatrici e fresatrici a copiare/*Moulders, copy-shaper.*

INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Foro "d" da 30 a 40 mm • Fresa con taglienti frazionati a spirale in HW .
Bore "d" da 30 a 40 mm • Cutter with HW spiral cuts .

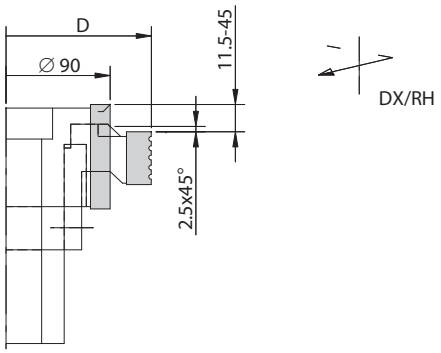
Codice *Code*	**D** *D*	**B** *B*	**Cod. Prezzo** *Price Code*
1770.100.080	100	80	E29
1770.100.100	100	100	H31
1770.100.120	100	120	B33
1770.100.140	100	140	C35
1770.100.160	100	160	C36
1770.100.180	100	180	B37
1770.100.200	100	200	A38
1770.120.080	120	80	G29
1770.120.100	120	100	L31
1770.120.120	120	120	E33
1770.120.140	120	140	D35
1770.120.160	120	160	E36
1770.120.180	120	180	D37
1770.120.200	120	200	B38
1770.140.080	140	80	A30
1770.140.100	140	100	B32
1770.140.120	140	120	G33
1770.140.140	140	140	D35
1770.140.160	140	160	F36
1770.140.180	140	180	F37
1770.140.200	140	200	D38





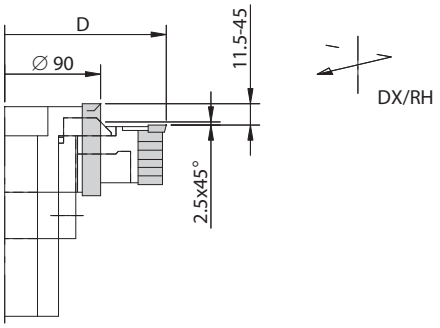
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con lama D. 220 regolabile con ghiera.
Made with D. 220 saw blade. Adjustable by nut.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*	**Cod. Prezzo** *Price Code*
1775.000.001	220/90	11,5:45	3+6	L36



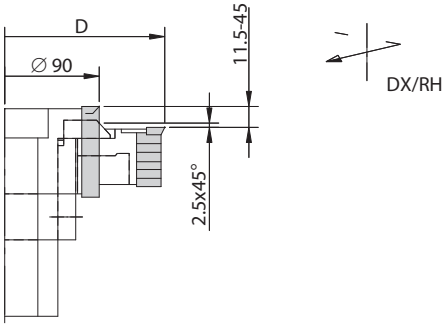
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore D. 130 regolabile su canotto.
Made with D. 130 hogger. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*	**Cod. Prezzo** *Price Code*
1775.000.002	130/90	11,5:45	3+6	L34



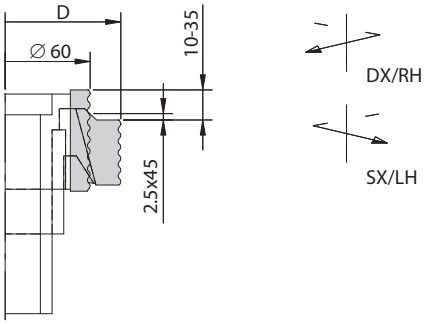
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore multitagliente D. 150 + lama regolabile su canotto.
Made with D. 150 multicut hogger and saw blade. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*	**Cod. Prezzo** *Price Code*
1775.000.003	150/90	11,5:45	3+6	L36



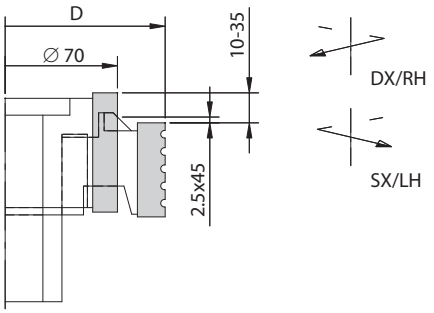
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore multitagliente D. 125 + lama regolabile su canotto.
Made with D. 125 multicut hogger and saw blade. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*	**Cod. Prezzo** *Price Code*
1775.000.004	125/70	10:35	3+6	M35



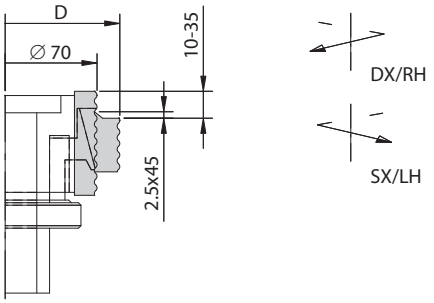
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore D. 80 regolabile su canotto.
Made with D. 80 hogger. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*		**Cod. Prezzo** *Price Code*
1780.000.001	80/60	10:35	3+6	Dx/Rh	G33
1781.000.001	80/60	10:35	3+6	Sx/Lh	G33



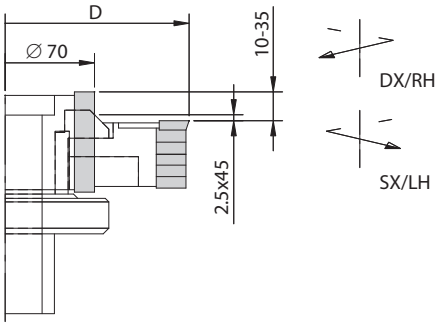
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore D. 104 regolabile su canotto.
Made with D. 104 hogger. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*		**Cod. Prezzo** *Price Code*
1780.000.002	104/70	10:35	3+6	Dx/Rh	G33
1781.000.002	104/70	10:35	3+6	Sx/Lh	G33



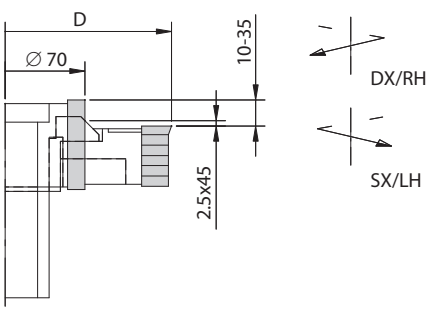
INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore D. 89 regolabile con ghiera.
Made with D. 89 hogger. Adjustable by nut.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*		**Cod. Prezzo** *Price Code*
1780.000.003	89/70	10:35	3+6	Dx/Rh	F34
1781.000.003	89/70	10:35	3+6	Sx/Lh	F34



INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore multitaglienti D. 125 + lama, regolabile con ghiera.
Made with D. 125 multicut hogger and saw blade. Adjustable by nut.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*		**Cod. Prezzo** *Price Code*
1780.000.004	125/70	10:35	3+6	Dx/Rh	D36
1781.000.004	125/70	10:35	3+6	Sx/Lh	D36



INFORMAZIONI TECNICHE/*TECHNICAL INFORMATION*:
Esecuzione con truciolatore multitaglienti D. 125 + lama, regolabile su canotto.
Made with D. 125 multicut hogger and saw blade. Adjustable on hub.

Codice *Code*	**D** *D*	**B** *B*	**Z** *Z*		**Cod. Prezzo** *Price Code*
1780.000.005	125/70	10:35	3+6	Dx/Rh	A36
1781.000.005	125/70	10:35	3+6	Sx/Lh	A36