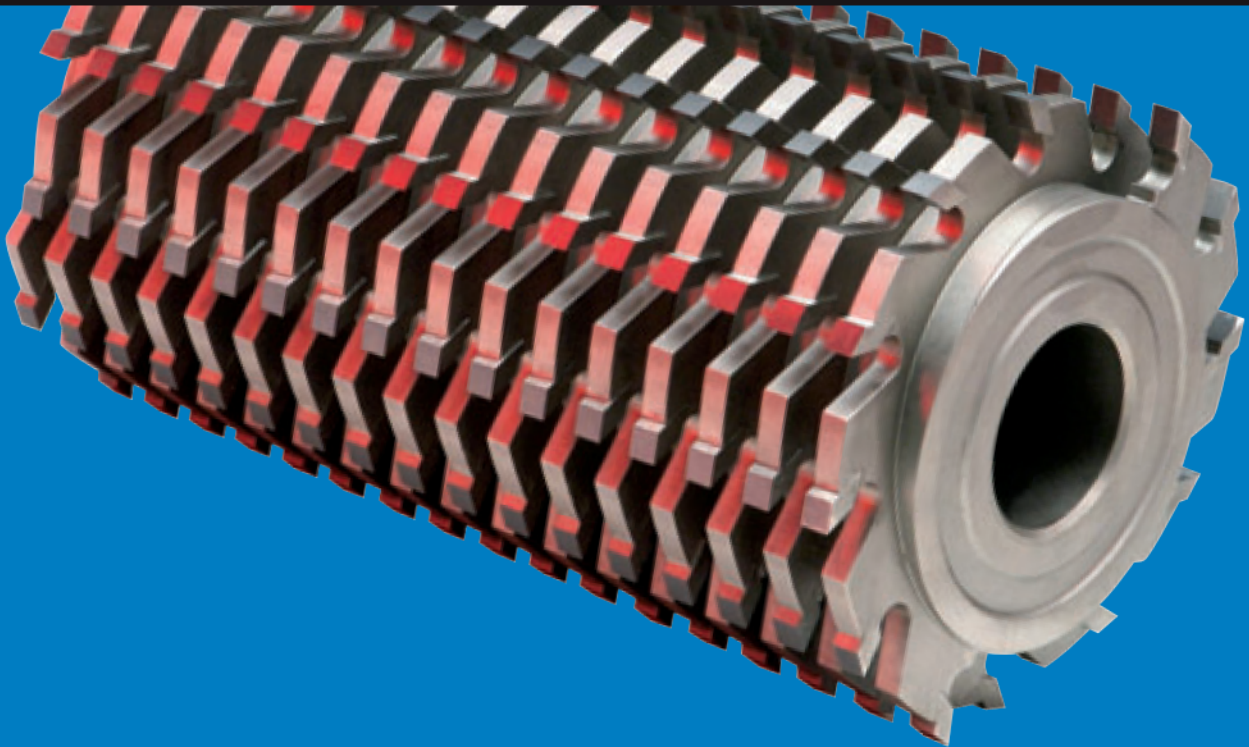




Evolved**Experience**



Frese Saldobrasate Braze Welded Cutters

Frese Saldobrasate Braze Welded Cutters

1



Frese sagomate a disegno
Cutters shaped from drawings

P 026



Frese a raggiare
Radius cutters

P 032



Frese multisagoma
Multiprofile cutters

P 036



Frese per giunzioni
Joint cutters

P 037



Frese per battute e canali
Rebating cutters for grooves

P 044



Frese multitaglienti
Multicuts cutters

P 047

1001



Frese sagomate per Profili Semplici.
Profile cutters for Simple Profiles.
Fraises profilées pour Contours Simples.
Profilfräser für Einfachem Profil.
Fresas molduradas para Perfiles Simples.

D

B

Z

ID nr.

Vedi tabella che segue

Le misure indicate in tabella sono solo indicative per la determinazione del prezzo.

According to the following scale, the dimensions suggested have to be considered indicative to calculate the price.

MAN



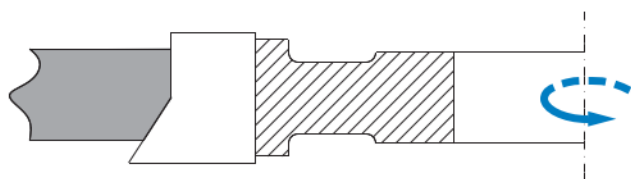
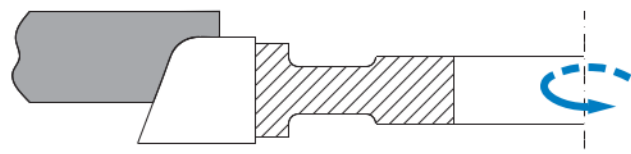
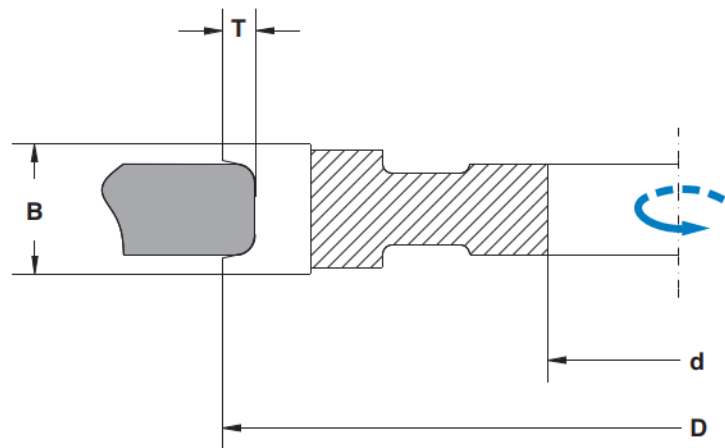
Caratteristiche

Frese sagomate con materiale di riporto HM o HSS a seconda delle essenze da lavorare:
HM per legni abrasivi, teneri, duri, incollati, MDF, multistrati e truciolari;
HSS per legni teneri e duri non incollati.
Esecuzione con taglienti diritti o assialmente inclinati a seconda del profilo da eseguire.

Characteristics

*Profiled cutter HM or HSS according to different working needs:
HM execution for abrasive, soft, hard, MDF, glued woods, plywood and chipboard;
HSS for soft and hard not-glued woods.
Straight or shear cutting angles according to profile.*

ESEMPI DI PROFILI SEMPLICI



Frese sagomate per Profili Semplici.
 Profile cutters for Simple Profiles.
 Fraises profilées pour Contours Simples.
 Profilfräser für Einfachem Profil.
 Fresas molduradas para Perfiles Simples.

1001

D	B	d	d/max	Z	ID nr.
100	15	30	50	4	1001 001
100	20	30	50	4	1001 002
100	25	30	50	4	1001 003
100	30	30	50	4	1001 004
100	35	30	50	4	1001 005
100	40	30	50	4	1001 006
100	45	30	50	4	1001 007
100	50	30	50	4	1001 008
100	60	30	50	4	1001 009
100	70	30	50	4	1001 010
100	80	30	50	4	1001 011
100	90	30	50	4	1001 012
100	100	30	50	4	1001 013

140	15	30	50	4	1001 027
140	20	30	50	4	1001 028
140	25	30	50	4	1001 029
140	30	30	50	4	1001 030
140	35	30	50	4	1001 031
140	40	30	50	4	1001 032
140	45	30	50	4	1001 033
140	50	30	50	4	1001 034
140	60	30	50	4	1001 035
140	70	30	50	4	1001 036
140	80	30	50	4	1001 037
140	90	30	50	4	1001 038
140	100	30	50	4	1001 039

180	15	30	50	4	1001 053
180	20	30	50	4	1001 054
180	25	30	50	4	1001 055
180	30	30	50	4	1001 056
180	35	30	50	4	1001 057
180	40	30	50	4	1001 058
180	45	30	50	4	1001 059
180	50	30	50	4	1001 060
180	60	30	50	4	1001 061
180	70	30	50	4	1001 062
180	80	30	50	4	1001 063
180	90	30	50	4	1001 064
180	100	30	50	4	1001 065

250	15	30	50	4	1001 079
250	20	30	50	4	1001 080
250	25	30	50	4	1001 081
250	30	30	50	4	1001 082

Per frese Z3 sconto 10%
 Per frese Z6 aumento 20%
 Per profondità di sagoma "T"
 superiore a 10mm vedere ART. 1002

D	B	d	d/max	Z	ID nr.
120	15	30	50	4	1001 014
120	20	30	50	4	1001 015
120	25	30	50	4	1001 016
120	30	30	50	4	1001 017
120	35	30	50	4	1001 018
120	40	30	50	4	1001 019
120	45	30	50	4	1001 020
120	50	30	50	4	1001 021
120	60	30	50	4	1001 022
120	70	30	50	4	1001 023
120	80	30	50	4	1001 024
120	90	30	50	4	1001 025
120	100	30	50	4	1001 026

160	15	30	50	4	1001 040
160	20	30	50	4	1001 041
160	25	30	50	4	1001 042
160	30	30	50	4	1001 043
160	35	30	50	4	1001 044
160	40	30	50	4	1001 045
160	45	30	50	4	1001 046
160	50	30	50	4	1001 047
160	60	30	50	4	1001 048
160	70	30	50	4	1001 049
160	80	30	50	4	1001 050
160	90	30	50	4	1001 051
160	100	30	50	4	1001 052

200	15	30	50	4	1001 066
200	20	30	50	4	1001 067
200	25	30	50	4	1001 068
200	30	30	50	4	1001 069
200	35	30	50	4	1001 070
200	40	30	50	4	1001 071
200	45	30	50	4	1001 072
200	50	30	50	4	1001 073
200	60	30	50	4	1001 074
200	70	30	50	4	1001 075
200	80	30	50	4	1001 076
200	90	30	50	4	1001 077
200	100	30	50	4	1001 078

300	15	30	50	4	1001 083
300	20	30	50	4	1001 084
300	25	30	50	4	1001 085
300	30	30	50	4	1001 086

For cutters Z3 discount 10%
 For cutters Z6 increase 20%
 For shape deep "T"
 bigger than 10mm see ART. 1002

1002



Frese sagomate per Profili Complessi.
Profile cutters for Complex Profiles.
Fraises profilées pour Contours Complexe.
Profilfräser für Komplizierten Profil.
Fresas molduradas para Perfiles Complejos.

D	B	Z	ID nr.
Vedi tabella che segue			

Le misure indicate in tabella sono solo indicative per la determinazione del prezzo.

According to the following scale, the dimensions suggested have to be considered indicative to calculate the price.



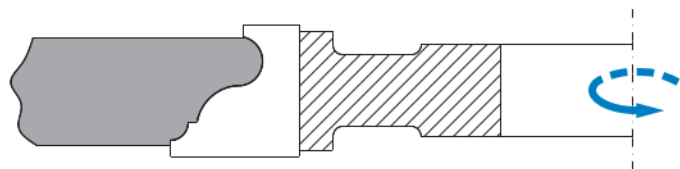
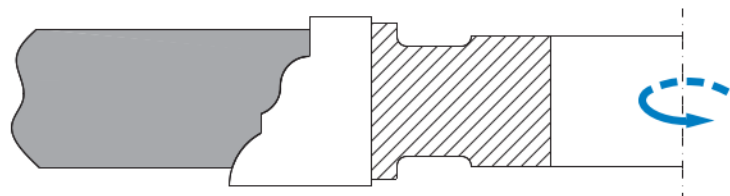
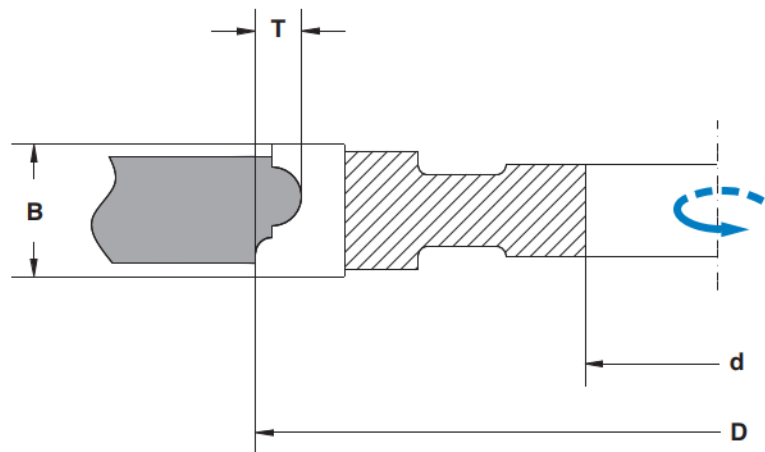
Caratteristiche

Frese sagomate con materiale di riporto HM o HSS a seconda delle essenze da lavorare:
HM per legni abrasivi, teneri, duri, incollati, MDF, multistrati e truciolari;
HSS per legni teneri e duri non incollati.
Esecuzione con taglienti diritti o assialmente inclinati a seconda del profilo da eseguire.

Characteristics

Profiled cutter HM or HSS according to different working needs:
HM execution for abrasive, soft, hard, MDF, glued woods, plywood and chipboard;
HSS for soft and hard not-glued woods.
Straight or shear cutting angles according to profile.

ESEMPI DI PROFILI COMPLESSI



Frese sagomate per Profili Complessi.
 Profile cutters for Complex Profiles.
 Fraises profilées pour Contours Complexe.
 Profilfräser für Komplizierten Profil.
 Fresas molduradas para Perfiles Complejos.

1002

D	B	d	d/max	Z	ID nr.
100	15	30	50	4	1002 001
100	20	30	50	4	1002 002
100	25	30	50	4	1002 003
100	30	30	50	4	1002 004
100	35	30	50	4	1002 005
100	40	30	50	4	1002 006
100	45	30	50	4	1002 007
100	50	30	50	4	1002 008
100	60	30	50	4	1002 009
100	70	30	50	4	1002 010
100	80	30	50	4	1002 011
100	90	30	50	4	1002 012
100	100	30	50	4	1002 013

140	15	30	50	4	1002 027
140	20	30	50	4	1002 028
140	25	30	50	4	1002 029
140	30	30	50	4	1002 030
140	35	30	50	4	1002 031
140	40	30	50	4	1002 032
140	45	30	50	4	1002 033
140	50	30	50	4	1002 034
140	60	30	50	4	1002 035
140	70	30	50	4	1002 036
140	80	30	50	4	1002 037
140	90	30	50	4	1002 038
140	100	30	50	4	1002 039

180	15	30	50	4	1002 053
180	20	30	50	4	1002 054
180	25	30	50	4	1002 055
180	30	30	50	4	1002 056
180	35	30	50	4	1002 057
180	40	30	50	4	1002 058
180	45	30	50	4	1002 059
180	50	30	50	4	1002 060
180	60	30	50	4	1002 061
180	70	30	50	4	1002 062
180	80	30	50	4	1002 063
180	90	30	50	4	1002 064
180	100	30	50	4	1002 065

250	15	30	50	4	1002 079
250	20	30	50	4	1002 080
250	25	30	50	4	1002 081
250	30	30	50	4	1002 082

Per frese Z3 sconto 10%
 Per frese Z6 aumento 20%
 Per profondità di sagoma "T"
 superiore a 20 mm vedere ART. 1003

D	B	d	d/max	Z	ID nr.
120	15	30	50	4	1002 014
120	20	30	50	4	1002 015
120	25	30	50	4	1002 016
120	30	30	50	4	1002 017
120	35	30	50	4	1002 018
120	40	30	50	4	1002 019
120	45	30	50	4	1002 020
120	50	30	50	4	1002 021
120	60	30	50	4	1002 022
120	70	30	50	4	1002 023
120	80	30	50	4	1002 024
120	90	30	50	4	1002 025
120	100	30	50	4	1002 026

160	15	30	50	4	1002 040
160	20	30	50	4	1002 041
160	25	30	50	4	1002 042
160	30	30	50	4	1002 043
160	35	30	50	4	1002 044
160	40	30	50	4	1002 045
160	45	30	50	4	1002 046
160	50	30	50	4	1002 047
160	60	30	50	4	1002 048
160	70	30	50	4	1002 049
160	80	30	50	4	1002 050
160	90	30	50	4	1002 051
160	100	30	50	4	1002 052

200	15	30	50	4	1002 066
200	20	30	50	4	1002 067
200	25	30	50	4	1002 068
200	30	30	50	4	1002 069
200	35	30	50	4	1002 070
200	40	30	50	4	1002 071
200	45	30	50	4	1002 072
200	50	30	50	4	1002 073
200	60	30	50	4	1002 074
200	70	30	50	4	1002 075
200	80	30	50	4	1002 076
200	90	30	50	4	1002 077
200	100	30	50	4	1002 078

300	15	30	50	4	1002 083
300	20	30	50	4	1002 084
300	25	30	50	4	1002 085
300	30	30	50	4	1002 086

For cutters Z3 discount 10%
 For cutters Z6 increase 20%
 For shape deep "T"
 bigger than 20 mm see ART. 1003

1003



Frese sagomate per Profili Speciali.
Profile cutters for Special Profiles.
Fraises profilées pour Contours Spéciaux.
Profilfräser für Spezial Profil.
Fresas molduradas para Perfiles Especiales.

D	B	Z	ID nr.
Vedi tabella che segue			

Le misure indicate in tabella sono solo indicative per la determinazione del prezzo.

According to the following scale, the dimensions suggested have to be considered indicative to calculate the price.



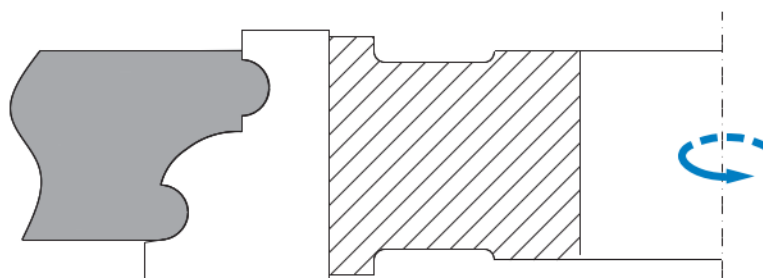
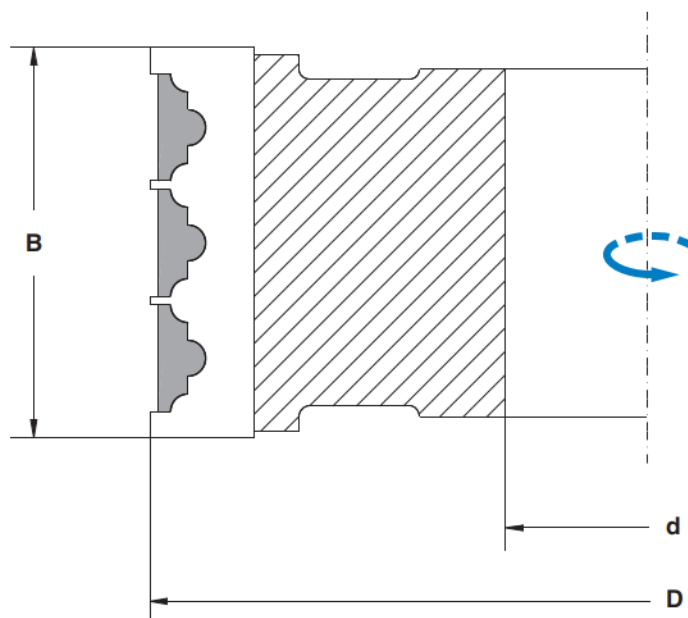
Caratteristiche

Frese sagomate con materiale di riporto HM o HSS a seconda delle essenze da lavorare:
HM per legni abrasivi, teneri, duri, incollati, MDF, multistrati e truciolari;
HSS per legni teneri e duri non incollati.
Esecuzione con taglienti diritti o assialmente inclinati a seconda del profilo da eseguire.

Characteristics

*Profiled cutter HM or HSS according to different working needs:
HM execution for abrasive, soft, hard, MDF, glued woods, plywood and chipboard;
HSS for soft and hard not-glued woods.
Straight or shear cutting angles according to profile.*

ESEMPI DI PROFILI SPECIALI



Frese sagomate per Profili Speciali.

Profile cutters for Special Profiles.

Fraises profilées pour Contours Spéciaux.

Profilfräser für Spezial Profil.

Fresas molduradas para Perfiles Especiales.

1003

D	B	d	d/max	Z	ID nr.
100	15	30	50	4	1003 001
100	20	30	50	4	1003 002
100	25	30	50	4	1003 003
100	30	30	50	4	1003 004
100	35	30	50	4	1003 005
100	40	30	50	4	1003 006
100	45	30	50	4	1003 007
100	50	30	50	4	1003 008
100	60	30	50	4	1003 009
100	70	30	50	4	1003 010
100	80	30	50	4	1003 011
100	90	30	50	4	1003 012
100	100	30	50	4	1003 013

140	15	30	50	4	1003 027
140	20	30	50	4	1003 028
140	25	30	50	4	1003 029
140	30	30	50	4	1003 030
140	35	30	50	4	1003 031
140	40	30	50	4	1003 032
140	45	30	50	4	1003 033
140	50	30	50	4	1003 034
140	60	30	50	4	1003 035
140	70	30	50	4	1003 036
140	80	30	50	4	1003 037
140	90	30	50	4	1003 038
140	100	30	50	4	1003 039

180	15	30	50	4	1003 053
180	20	30	50	4	1003 054
180	25	30	50	4	1003 055
180	30	30	50	4	1003 056
180	35	30	50	4	1003 057
180	40	30	50	4	1003 058
180	45	30	50	4	1003 059
180	50	30	50	4	1003 060
180	60	30	50	4	1003 061
180	70	30	50	4	1003 062
180	80	30	50	4	1003 063
180	90	30	50	4	1003 064
180	100	30	50	4	1003 065

250	15	30	50	4	1003 079
250	20	30	50	4	1003 080
250	25	30	50	4	1003 081
250	30	30	50	4	1003 082

D	B	d	d/max	Z	ID nr.
120	15	30	50	4	1003 014
120	20	30	50	4	1003 015
120	25	30	50	4	1003 016
120	30	30	50	4	1003 017
120	35	30	50	4	1003 018
120	40	30	50	4	1003 019
120	45	30	50	4	1003 020
120	50	30	50	4	1003 021
120	60	30	50	4	1003 022
120	70	30	50	4	1003 023
120	80	30	50	4	1003 024
120	90	30	50	4	1003 025
120	100	30	50	4	1003 026

160	15	30	50	4	1003 040
160	20	30	50	4	1003 041
160	25	30	50	4	1003 042
160	30	30	50	4	1003 043
160	35	30	50	4	1003 044
160	40	30	50	4	1003 045
160	45	30	50	4	1003 046
160	50	30	50	4	1003 047
160	60	30	50	4	1003 048
160	70	30	50	4	1003 049
160	80	30	50	4	1003 050
160	90	30	50	4	1003 051
160	100	30	50	4	1003 052

200	15	30	50	4	1003 066
200	20	30	50	4	1003 067
200	25	30	50	4	1003 068
200	30	30	50	4	1003 069
200	35	30	50	4	1003 070
200	40	30	50	4	1003 071
200	45	30	50	4	1003 072
200	50	30	50	4	1003 073
200	60	30	50	4	1003 074
200	70	30	50	4	1003 075
200	80	30	50	4	1003 076
200	90	30	50	4	1003 077
200	100	30	50	4	1003 078

300	15	30	50	4	1003 083
300	20	30	50	4	1003 084
300	25	30	50	4	1003 085
300	30	30	50	4	1003 086

Per frese Z3 sconto 10%
Per frese Z6 aumento 20%

For cutters Z3 discount 10%
For cutters Z6 increase 20%

1004



Frese concave per quarti di tondo Z4.
 Concave cutters for quarter circles Z4.
 Fraises concaves pour quarts de rond Z4.
 Viertelstabfräser Z4.
 Fresas cóncavas para cuartos de barra Z4.

D	B	R	d	d/max	rpm	ID nr. DX	ID nr. SX
140	19	5	30	50	9400	1004 001	1004 002
140	21,5	7,5	30	50	9400	1004 003	1004 004
140	24	10	30	50	9400	1004 005	1004 006
140	26,5	12,5	30	50	9400	1004 007	1004 008
140	29	15	30	50	9400	1004 009	1004 010
140	35	20	30	50	9400	1004 011	1004 012
160	40	25	30	50	8500	1004 013	1004 014
160	46	30	30	50	8500	1004 015	1004 016
180	54	35	30	50	7800	1004 017	1004 018
180	56	40	30	50	7800	1004 019	1004 020



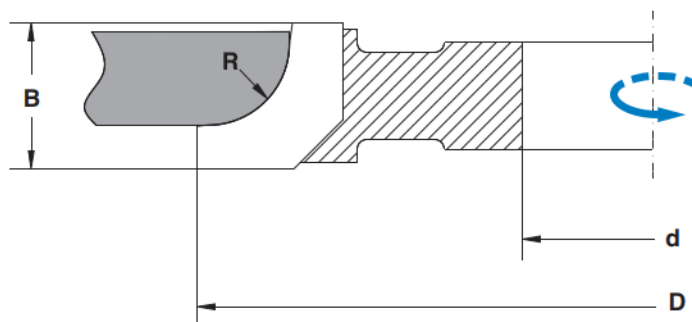
Caratteristiche

Esecuzione in HM o HSS:
 HM per legni teneri, duri, incollati, MDF, multistrati, truciolari e abrasivi;
 HSS per legni teneri e duri non incollati.

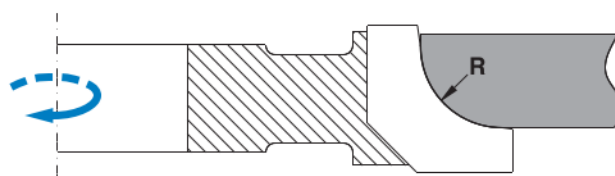
Characteristics

Execution in HM or HSS:
 HM execution for abrasive, soft, hard, glued woods, MDF, plywood and chipboard;
 HSS for soft and hard not-glued woods.

DX



SX



Frese concave per mezzitondi Z4.

Concave cutters for semi-circles Z4.

Fraises concaves pour demi-rond Z4.

Halbstabfräser Z4.

Fresas cóncavas para barras semicirculares Z4.

D	B	R	d	d/max	rpm	ID nr.
140	30	5	30	50	9400	1005 001
140	30	6	30	50	9400	1005 002
140	35	7,5	30	50	9400	1005 003
140	40	10	30	50	9400	1005 004
140	45	12,5	30	50	9400	1005 005
140	50	15	30	50	9400	1005 006
140	62	20	30	50	9400	1005 007
160	72	25	30	50	8500	1005 008
160	77	30	30	50	8500	1005 009

1005



MAN



Caratteristiche

Esecuzione in HM o HSS:

HM per legni teneri, duri, incollati, MDF, multistrati, truciolari e abrasivi;

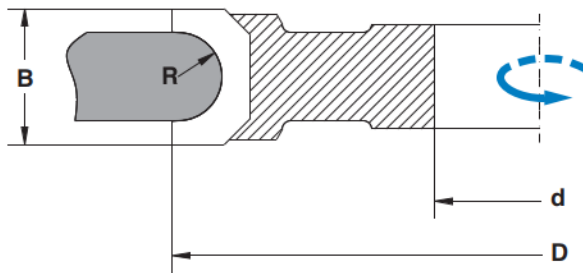
HSS per legni teneri e duri non incollati.

Characteristics

Execution in HM or HSS:

HM execution for abrasive, soft, hard, glued woods, MDF, plywood and chipboard;

HSS for soft and hard not-glued woods.



1006

Frese convesse per quarti di tondo Z4.
Convex cutters for quarter circles Z4.
Fraises convexes pour quarts de rond Z4.
Halbhohlkehlefräser Z4.
Fresas convexas para cuartos de barra Z4.



D	B	R	d	d/max	rpm	ID nr. DX	ID nr. SX
140	10	5	30	50	9400	1006 001	1006 002
140	13	7,5	30	50	9400	1006 003	1006 004
140	15	10	30	50	9400	1006 005	1006 006
140	18	12,5	30	50	9400	1006 007	1006 008
140	20	15	30	50	9400	1006 009	1006 010
140	22	18	30	50	9400	1006 011	1006 012
140	25	20	30	50	9400	1006 013	1006 014
160	30	25	30	50	8500	1006 015	1006 016
160	35	30	30	50	8500	1006 017	1006 018

MAN

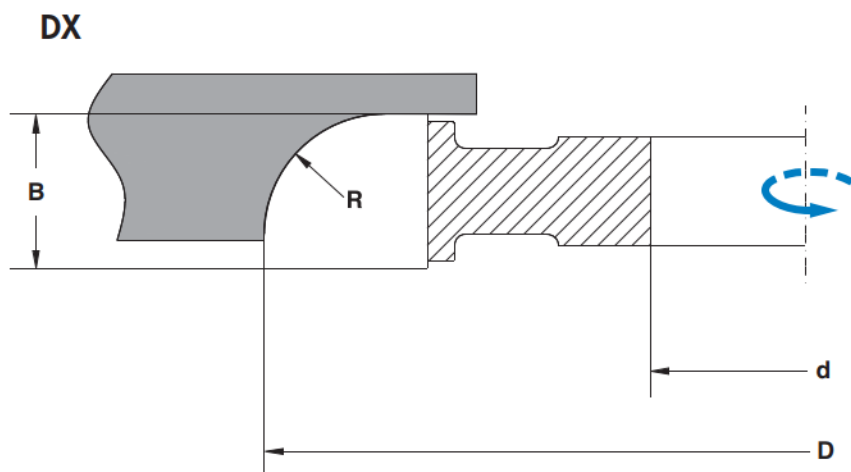


Caratteristiche

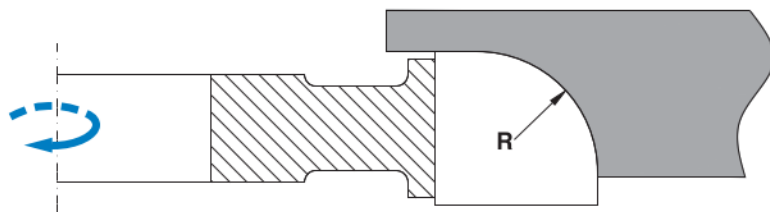
Esecuzione in HM o HSS:
HM per legni teneri, duri, incollati, MDF,
multistrati, truciolari e abrasivi;
HSS per legni teneri e duri non incollati.

Characteristics

Execution in HM or HSS:
HM execution for abrasive, soft, hard, glued
woods, MDF, plywood and chipboard;
HSS for soft and hard not-glued woods.



SX



Frese convesse per mezzi tondi Z4.

Convex cutters for semi-circles Z4.

Fraises convexes pour demi-rond Z4.

Hohlkehlefräser Z4.

Fresas convexas para barras semicirculares Z4.

1007



D	B	R	d	d/max	rpm	ID nr.
140	10	5	30	50	9400	1007 001
140	12	6	30	50	9400	1007 002
140	15	7,5	30	50	9400	1007 003
140	20	10	30	50	9400	1007 004
140	25	12,5	30	50	9400	1007 005
140	30	15	30	50	9400	1007 006
140	40	20	30	50	9400	1007 007
160	50	25	30	50	8500	1007 008
160	60	30	30	50	8500	1007 009

MAN



Caratteristiche

Esecuzione in HM o HSS:

HM per legni teneri, duri, incollati, MDF, multistrati, truciolari e abrasivi;

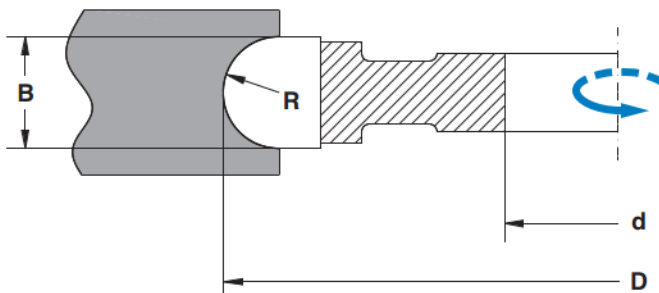
HSS per legni teneri e duri non incollati.

Characteristics

Execution in HM or HSS:

HM execution for abrasive, soft, hard, glued woods, MDF, plywood and chipboard;

HSS for soft and hard not-glued woods.

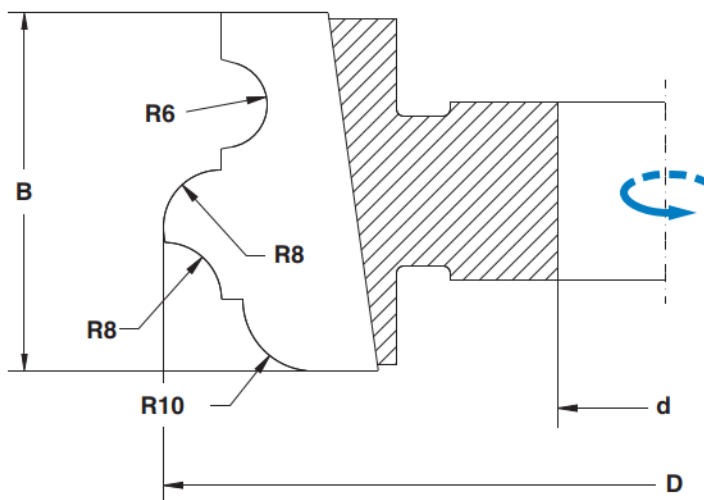


1008

Fresa sagomata multiprofil.
Multiprofile cutter.
 Fraise multiprofil.
Top-profiler.
 Fresa moldurada para perfiles multiples.



D	B	d	d/max	Z	rpm	ID nr.
140	50	30	50	3	9400	1008001



MAN



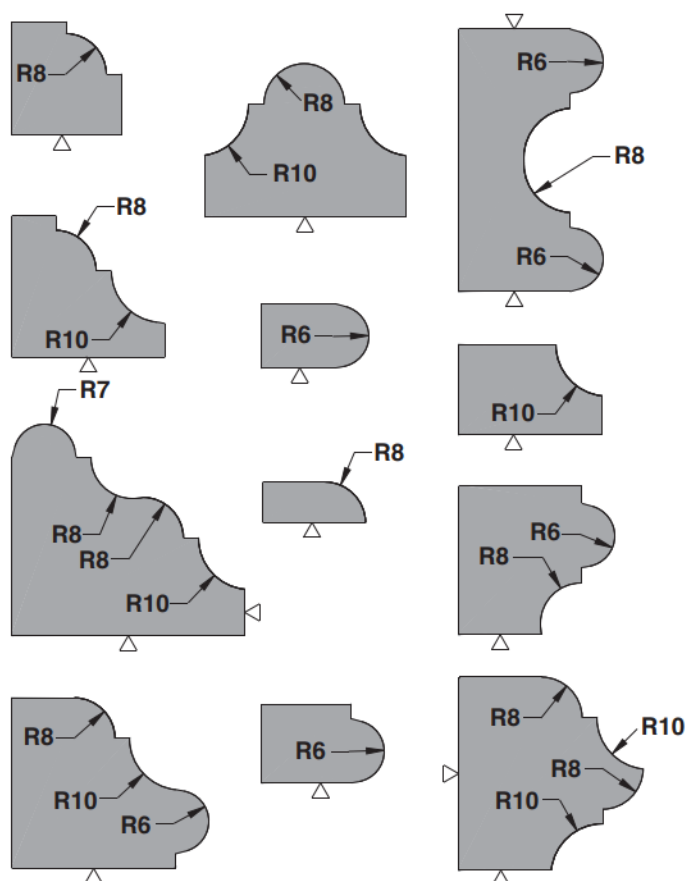
Caratteristiche

Fresa a 3 taglienti riportati in HM per eseguire profili combinati realizzati in una o più lavorazioni su qualsiasi tipo di legno.

Characteristics

Milling cutter with 3 tips in HM for executing combined profiled in one or more operations on any kind of wood.

ESEMPI DI PROFILI ESEGUIBILI



Frese per giunzioni regolabili Z3+3.

Adjustable cutters for joints Z3+3.

Fraises pour jonctions réglables Z3+3.

Verstellbarer Fräser für Nute und Fugen Z3+3.

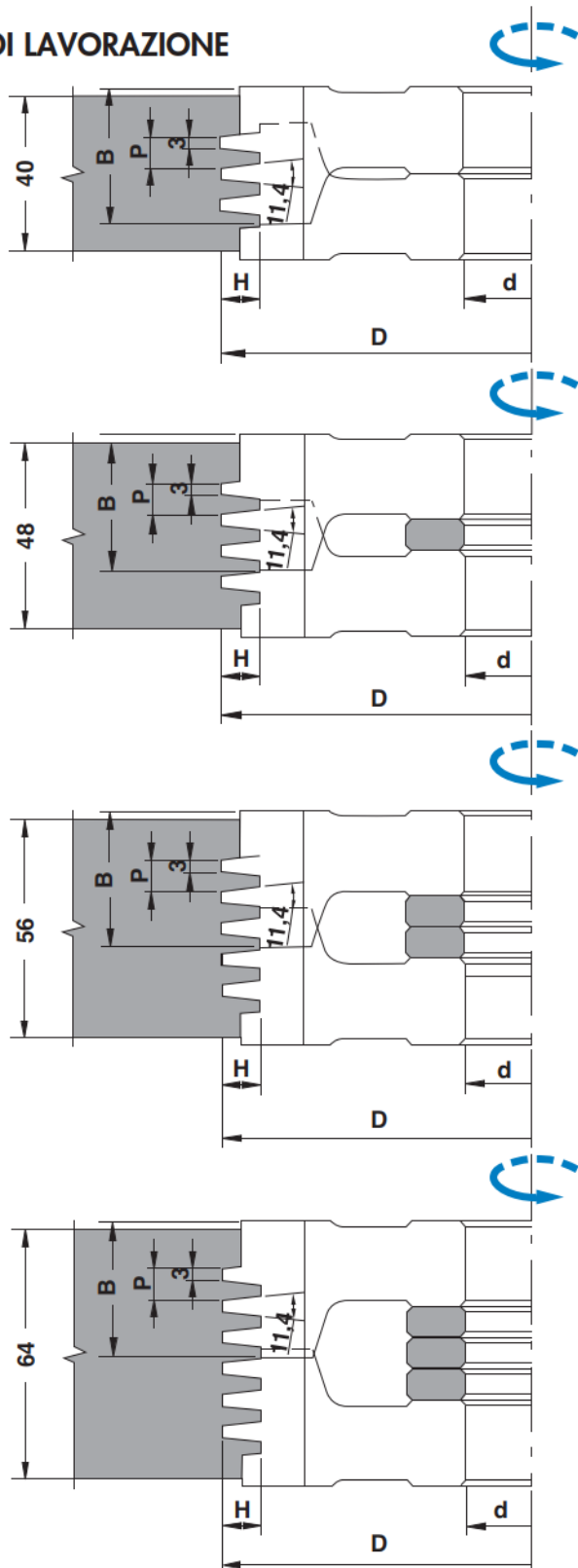
Fresas para ensambles en paneles de espesor variable Z3+3.

1020

D	B	d	d/max	P	H	rpm	ID nr.
160	35	30	50	8	10	6000	1020 051



ESEMPI DI LAVORAZIONE



MAN



Caratteristiche

Esecuzione in HM o HSS:

HM per legni abrasivi, teneri, duri, incollati, MDF, multistrati e truciolari;

HSS per legni teneri e duri non incollati.

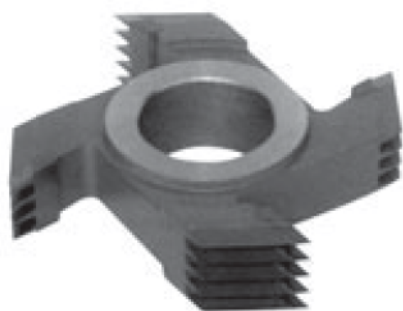
Characteristics

Execution in HM or HSS:

HM execution for abrasive, soft, hard, MDF, glued woods, plywood and chipboard;

HSS for soft and hard not-glued woods.

1022



Caratteristiche

Per macchine provviste di lame per intestare vengono fornite frese con profondità dentello 10/11mm, 15/16,5mm e 20/22mm.

Con l'intestatura può venir variata la profondità della giunzione.

In tale maniera la luce della giunzione può essere variata in funzione dei vari tipi di legno da lavorare.

Characteristics

The machines equipped with ending sawblades will be supplied with cutterheads with tooth depth 10/11mm, 15/16,5mm and 20/22mm.

The edge-bander and the connection depth can be modify.

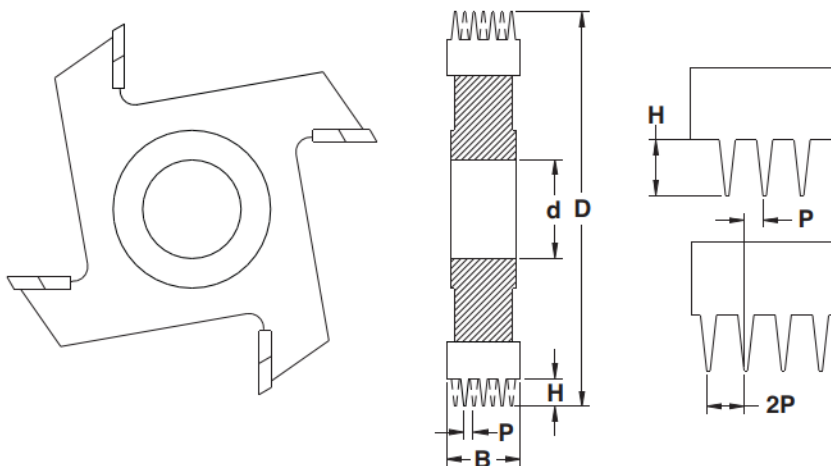
In this way the empty spaces between the connections can be changed for different kind of woods to carve.

Frese MINIZINKEN Z2+2+HSS.
 Joint cutters MINIZINKEN Z2+2+HSS.
 Fraises pour jonctions MINIZINKEN Z2+2+HSS.
 Fräser MINIZINKEN Z2+2+HSS.
 Fresas MINIZINKEN Z2+2+HSS.

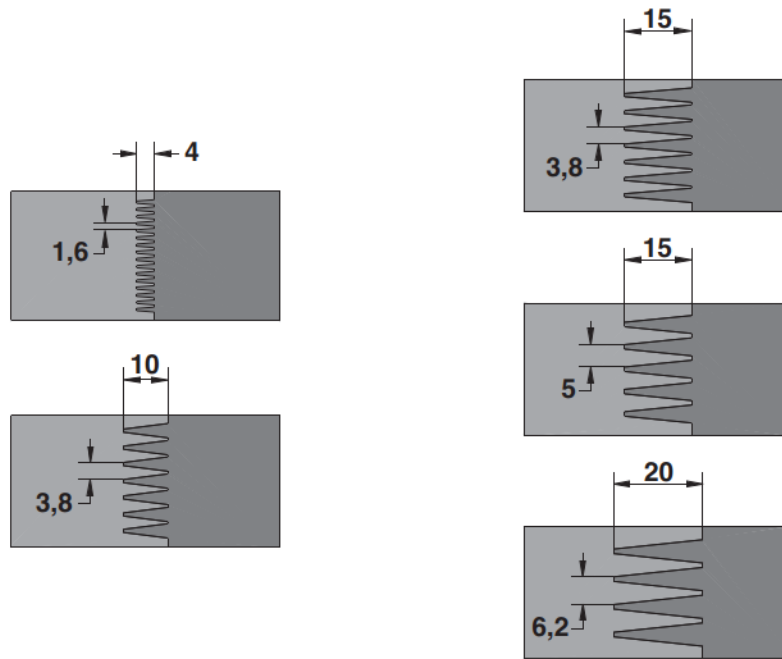
D	B	d	d/max	P	H	rpm	ID nr.
160*	26	30	50	1,6	4	8200	1022 001
160*	28,6	30	50	3,8	10-10/11	8200	1022 002
160*	36,2	30	50	3,8	10-10/11	8200	1022 006
170	28,6	30	50	3,8	15-15/16,5	7200	1022 003
170	36,2	30	50	3,8	15-15/16,5	7200	1022 007
170*	42	30	50	5	15-15/16,5	7200	1022 004
180	33	30	50	6,2	20-20/22	7000	1022 005
180	45,4	30	50	6,2	20-20/22	7000	1022 008
250*	28,6	30	50	3,8	10-10/11	6000	1022 009
250*	36,2	30	50	3,8	10-10/11	6000	1022 010
260	28,6	30	50	3,8	15-15/16,5	5800	1022 011
260	33	30	50	6,2	20-20/22	5800	1022 012
260	36,2	30	50	3,8	15-15/16,5	5800	1022 013
260	45,4	30	50	6,2	20-20/22	5800	1022 014

*Esecuzione in HM su richiesta

*Execution in HM on request



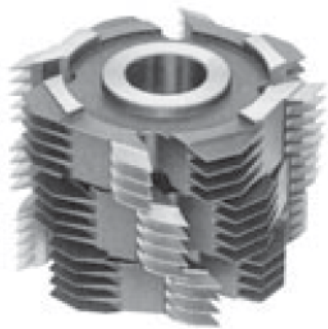
PROFILI ESEGUIBILI



Come determinare il numero di frese rispetto allo spessore del legno
 How to know the joint cutter number referring to the thickness of wood

ART. 1022001		ART. 1022005		ART. 1022002/3		ART. 1022006/7		ART. 1022004		ART. 1022008	
Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE
23	1	28	1	24	1	33	1	38	1	40	1
47	2	59	2	51	2	66	2	78	2	83	2
71	3	90	3	77	3	100	3	118	3	127	3
95	4	121	4	104	4	135	4	158	4	170	4
119	5	152	5	131	5	172	5	198	5	214	5
		183	6	157	6	207	6	238	6	257	6
		214	7	184	7	242	7	278	7	300	7
		245	8	210	8	276	8	318	8	344	8
		276	9	237	9			358	9		
		307	10	264	10			398	10		

1023



Caratteristiche

Per macchine provviste di lame per intestare vengono fornite frese con profondità dentello 10/11mm, 15/16,5mm e 20/22mm.

Con l'intestatura può venir variata la profondità della giunzione.

In tale maniera la luce della giunzione può essere variata in funzione dei vari tipi di legno da lavorare.

Characteristics

The machines equipped with ending sawblades will be supplied with cutterheads with tooth depth 10/11mm, 15/16,5mm and 20/22mm.

The edge-bander and the connection depth can be modify.

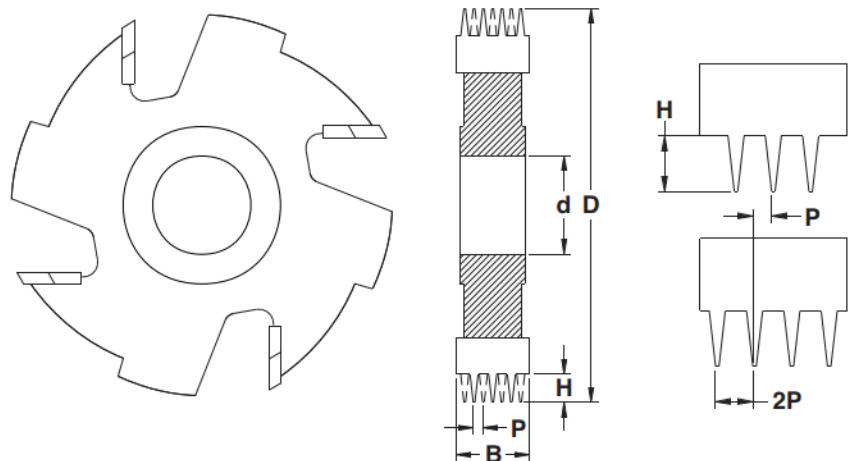
In this way the empty spaces between the connections can be changed for different kind of woods to carve.

Frese MINIZINKEN Z2+2 con limitatore per avanzamento manuale.
Joint cutter MINIZINKEN Z2+2 with chip limitation butts for manually feed.
 Fraises pour jonctions MINIZINKEN Z2+2 avec refouleur limitant.
Fräser MINIZINKEN Z2+2 mit Zuschneid.
 Fresas MINIZINKEN Z2+2 con limitación de virutas para el avance manual.

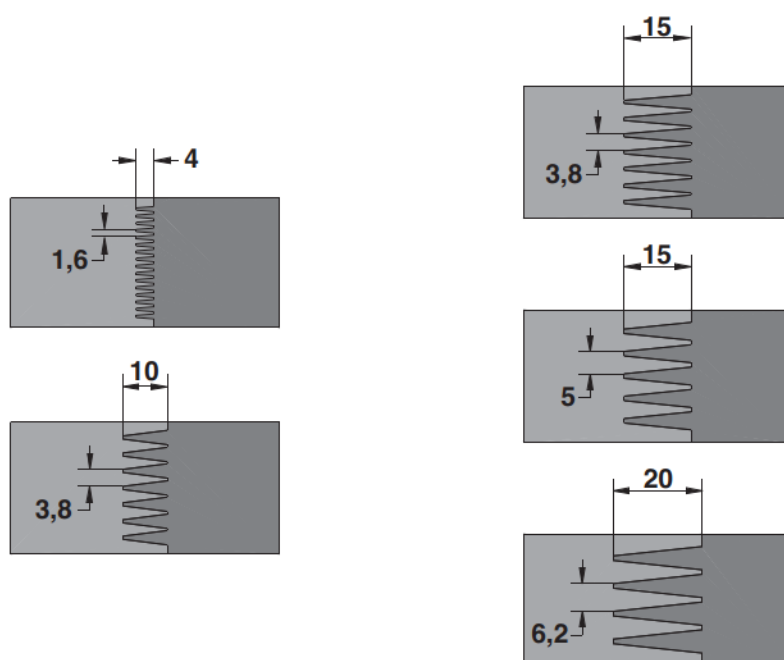
D	B	d	d/max	P	H	rpm	ID nr.
160*	26	30	50	1,6	4	8200	1023 003
160*	28,6	30	50	3,8	10-10/11	8200	1023 001
160*	36,2	30	50	3,8	10-10/11	8200	1023 002
170	28,6	30	50	3,8	15-15/16,5	7200	1023 004
170	36,2	30	50	3,8	15-15/16,5	7200	1023 005
170*	42	30	50	5	15-15/16,5	7200	1023 006
180	33	30	50	6,2	20-20/22	7000	1023 007
180	45,4	30	50	6,2	20-20/22	7000	1023 008
250*	28,6	30	50	3,8	10-10/11	6000	1023 009
250*	36,2	30	50	3,8	10-10/11	6000	1023 010
260	28,6	30	50	3,8	15-15/16,5	5800	1023 011
260	33	30	50	6,2	20-20/22	5800	1023 012
260	36,2	30	50	3,8	15-15/16,5	5800	1023 013
260	45,4	30	50	6,2	20-20/22	5800	1023 014

*Esecuzione in HM su richiesta

*Execution in HM on request



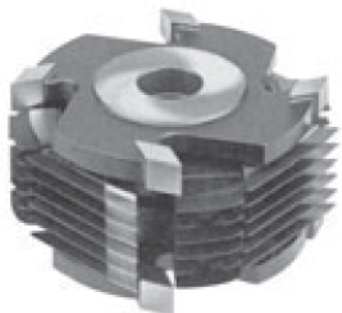
PROFILI ESEGUIBILI



Come determinare il numero di frese rispetto allo spessore del legno
 How to know the joint cutter number referring to the thickness of wood

ART. 1022001		ART. 1022005		ART. 1022002/3		ART. 1022006/7		ART. 1022004		ART. 1022008	
Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE	Sp. LEGNO	N° FRESE
23	1	28	1	24	1	33	1	38	1	40	1
47	2	59	2	51	2	66	2	78	2	83	2
71	3	90	3	77	3	100	3	118	3	127	3
95	4	121	4	104	4	135	4	158	4	170	4
119	5	152	5	131	5	172	5	198	5	214	5
		183	6	157	6	207	6	238	6	257	6
		214	7	184	7	242	7	278	7	300	7
		245	8	210	8	276	8	318	8	344	8
		276	9	237	9			358	9		
		307	10	264	10			398	10		

1024



MEC



Caratteristiche

Fresa laterale per giunzioni in combinazione con frese MINIZINKEN per legni teneri e duri.

Characteristics

Joint cutter for working together with MINIZINKEN cutters.

Suitable for soft and hardwoods.

Frese laterali per MINIZINKEN Z4.

Joint cutters MINIZINKEN Z4.

Fraises pour jonctions MINIZINKEN Z4.

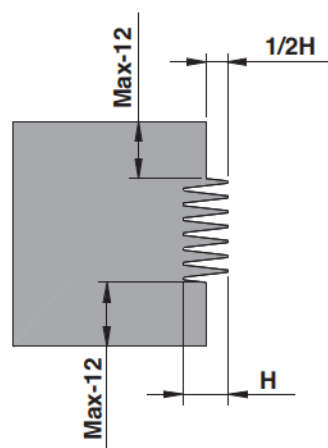
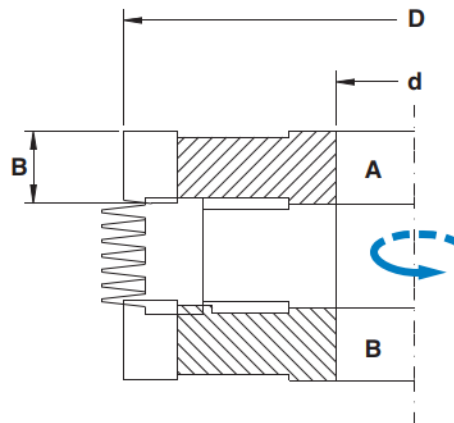
Fräser MINIZINKEN Z4.

Fresas laterales para MINIZINKEN Z4.

D	B	d	d/max	TIPO	rpm	ID nr.
156*	15	30	50	A	8200	1024 001
150*	15	30	50	A	8200	1024 002
155*	15	30	50	A	8200	1024 003
160	15	30	50	A	8200	1024 004
156	15	30	50	B	8200	1024 005
150	15	30	50	B	8200	1024 006
155	15	30	50	B	8200	1024 007
160	15	30	50	B	8200	1024 008

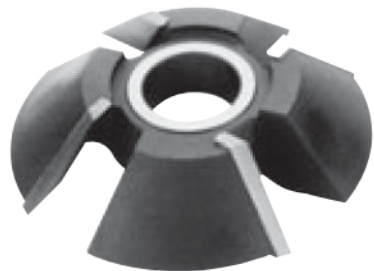
*Esecuzione in HM su richiesta

*Execution in HM on request



Frese per smussi a 45° Z4.
 Chanfering cutters 45° Z4.
 Fraises pour chanfreiner 45° Z4.
 Fasefräser 45° Z4.
 Fresas para biselés de 45° Z4

1027



D	B	d	d/max	rpm	ID nr. DX	ID nr. SX
120	10	30	50	10500	1027 101	1027 102
120	15	30	50	10500	1027 103	1027 104
120	20	30	50	10500	1027 105	1027 106
140	10	30	50	9400	1027 107	1027 108
140	15	30	50	9400	1027 109	1027 110
140	20	30	50	9400	1027 111	1027 112
140	25	30	50	9400	1027 113	1027 114
140	30	30	50	9400	1027 115	1027 116
160	10	30	50	8500	1027 117	1027 118
160	15	30	50	8500	1027 119	1027 120
160	20	30	50	8500	1027 121	1027 122
160	25	30	50	8500	1027 123	1027 124
160	30	30	50	8500	1027 125	1027 126
160	35	30	50	8300	1027 127	1027 128
160	40	30	50	8300	1027 129	1027 130
180	10	30	50	7400	1027 131	1027 132
180	15	30	50	7400	1027 133	1027 134
180	20	30	50	7400	1027 135	1027 136
180	25	30	50	7400	1027 137	1027 138
180	30	30	50	7400	1027 139	1027 140
180	35	30	50	7400	1027 141	1027 142
180	40	30	50	7400	1027 143	1027 144
180	45	30	50	7400	1027 145	1027 146
180	50	30	50	7400	1027 147	1027 148

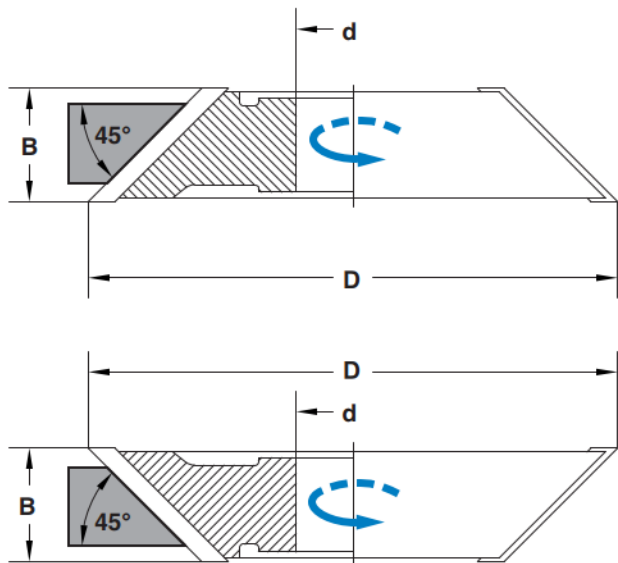


Caratteristiche

Esecuzione in HM o HSS:
 HM per legni abrasivi, teneri, duri, incollati,
 MDF, multistrati e truciolari;
 HSS per legni teneri e duri non incollati.

Characteristics

Execution in HM or HSS:
 HM execution for abrasive, soft, hard, MDF,
 glued woods, plywood and chipboard;
 HSS for soft and hard not-glued woods.



DX

SX