

Frese per pantografi portatili con gambo Ø6 - Ø6,4 (1/4") - Ø8

1



FRESE HW INTEGRALE PER CANALI
Pag. 1.07



FRESE HW PER CANALI
Pag. 1.07



FRESE HW INTEGRALE
A DOPPIO REFILO
Pag. 1.08



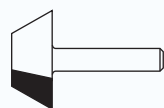
FRESE HW A TAGLIENTI DIRITTI Z=2
Pag. 1.08



FRESE HW PER ASOLE Z=1+1
Pag. 1.08



FRESE HW PER ASOLE A DOPPIO
TAGLIANTE
Pag. 1.08



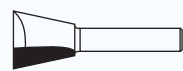
FRESE HW PER SMUSSARE Z=2
Pag. 1.08



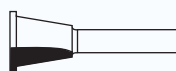
FRESE HW PER SMUSSARE Z=2
Pag. 1.08



FRESE HW PER GIUNZIONI
A CODA DI RONDINE Z=2
Pag. 1.08



FRESE HW PER INCASTRI A CODA DI
RONDINE Z=2
Pag. 1.09



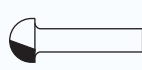
FRESE HW PER INCASTRI A CODA DI
RONDINE Z=2
Pag. 1.09



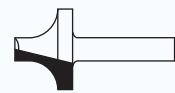
FRESE HW INTEGRALE
CON PROFILO A "U"
Pag. 1.09



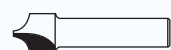
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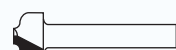
FRESE HW A RAGGIO CONVESSO Z=2
Pag. 1.09



FRESE HW A RAGGIO CONCAVO Z=2
Pag. 1.10



FRESE HW A RAGGIO CONCAVO Z=2
Pag. 1.10



FRESE HW A DOPPIO RAGGIO Z=2
Pag. 1.10



FRESE HW SAGOMATE A RAGGIO
CONCAVO Z=2
Pag. 1.10



FRESE HW SAGOMATE A DOPPIO
RAGGIO Z=2
Pag. 1.10

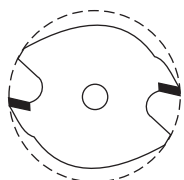


FRESE HW SAGOMATE A MEZZO
TONDO Z=2
Pag. 1.10

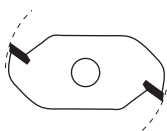


MANDRINO PER FRESE
Pag. 1.10

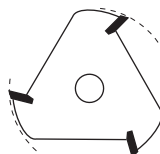
Klein®



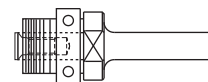
FRESE HW PER PICCOLI INCASTRI
Pag. 1.11



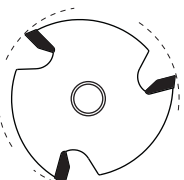
FRESE HW PER PICCOLI INCASTRI
Pag. 1.11



FRESE HW PER PICCOLI INCASTRI
Pag. 1.11



MANDRINO PER FRESE A SCOMPARSA
Pag. 1.11



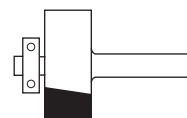
FRESE PER SCANALATURE CON SERRAGGIO
A SCOMPARSA
Pag. 1.11



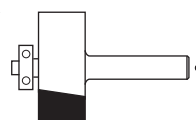
FRESE HW A TAGLIENTI DIRITTI CON
CUSCINETTO Z=2
Pag. 1.12



FRESE HW A TAGLIENTI DIRITTI
ASSIALI CON CUSCINETTO Z=2
Pag. 1.12



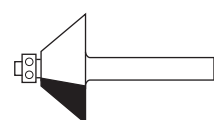
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CUSCINETTO Z=2
Pag. 1.12



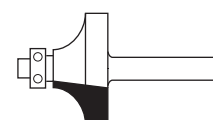
FRESE HW A GRADINO CON
CUSCINETTO Z=2
Pag. 1.13



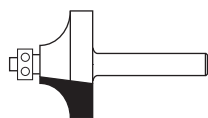
FRESE HW PER SMUSSARE CON
CUSCINETTO Z=2
Pag. 1.13



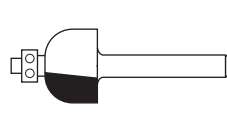
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CUSCINETTO Z=2
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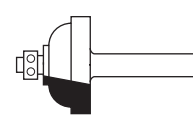
FRESE HW A RAGGIO CONCAVO CON
CUSCINETTO Z=2
Pag. 1.13



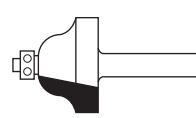
FRESE HW A RAGGIO CONCAVO CON
CUSCINETTO Z=2
Pag. 1.13



FRESE HW A RAGGIO CONVESSO CON
CUSCINETTO Z=2
Pag. 1.14



FRESE HW A RAGGIO CONVESSO CON
CUSCINETTO Z=2
Pag. 1.14



FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.14



FRESE HW A RAGGIO CONCAVO CON
CUSCINETTO Z=2
Pag. 1.14



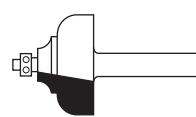
FRESE HW A RAGGIO CONCAVO CON
CUSCINETTO Z=2
Pag. 1.14



FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.14



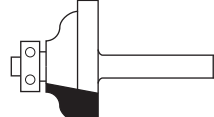
FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.15



FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.15



FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.15



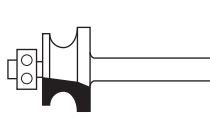
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CUSCINETTO Z=2
Pag. 1.15



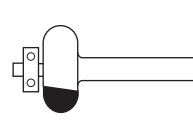
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CUSCINETTO Z=2
Pag. 1.15



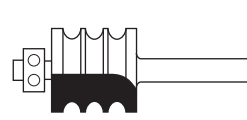
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CUSCINETTO Z=2
Pag. 1.15



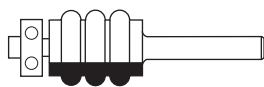
FRESE HW PER DECORAZIONI CON
CUSCINETTO Z=2
Pag. 1.16



FRESE HW MEZZO TONDO CON
CUSCINETTO Z=2
Pag. 1.16



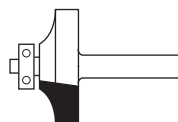
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CUSCINETTO Z=2
Pag. 1.16



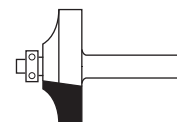
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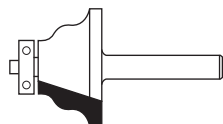
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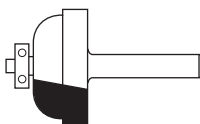
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SCHIACCIATO CON CUSCINETTO Z=2
Pag. 1.16



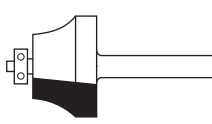
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SCHIACCIATO CON CUSCINETTO Z=2
Pag. 1.17



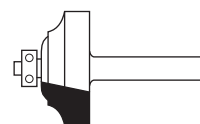
FRESE HW A PROFILO ONDULATO CON
CUSCINETTO Z=2
Pag. 1.17



FRESE HW A DOPPIO RAGGIO CONVESSO
CON CUSCINETTO Z=2
Pag. 1.17



FRESE HW A PROFILO OVALE CON
CUSCINETTO Z=2
Pag. 1.17



FRESE HW A DOPPIO RAGGIO CON
CUSCINETTO Z=2
Pag. 1.17



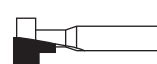
FRESE HW PER ASOLE CON
CUSCINETTO Z=1
Pag. 1.17



FRESE HW A TAGLIENTI COMBINATI Z=2
Pag. 1.18



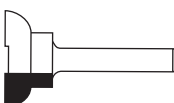
FRESE HW A TAGLIENTI COMBINATI
CON CUSCINETTO Z=2
Pag. 1.18



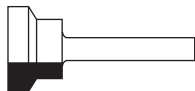
FRESE HW PER SEDE CHIAVE Z=1
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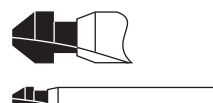
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Pag. 1.18



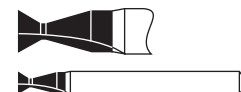
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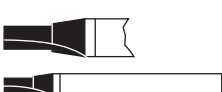
FRESE HW PER GIUNZIONI PER
CASSETTI Z=2
Pag. 1.18



FRESE HW PER GUARNIZIONI
TRAPEZOIDALI Z=2
Pag. 1.18



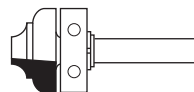
FRESE HW PER GUARNIZIONI A CODA
DI RONDINE Z=2
Pag. 1.18



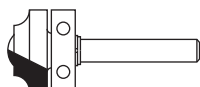
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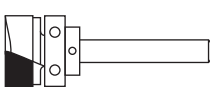
FRESE HW CON CUSCINETTO
SUPERIORE Z=2
Pag. 1.19



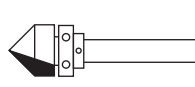
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SUPERIORE Z=2
Pag. 1.19



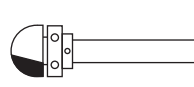
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SUPERIORE Z=2
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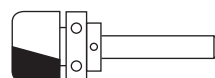
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SUPERIORE Z=2
Pag. 1.19



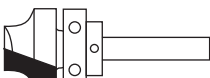
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SUPERIORE Z=2
Pag. 1.19



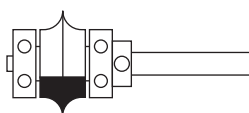
FRESE HW CON CUSCINETTO
SUPERIORE Z=2
Pag. 1.20



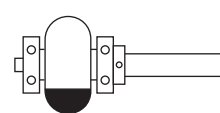
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SUPERIORE Z=2
Pag. 1.20



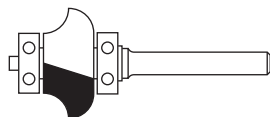
FRESE HW CON CUSCINETTO
SUPERIORE Z=2
Pag. 1.20



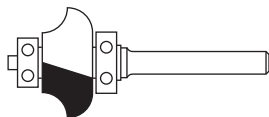
FRESE HW PER DECORAZIONI DOPPIO
CUSCINETTO Z=2
Pag. 1.20



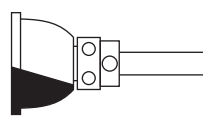
FRESE HW MEZZO TONDO DOPPIO
CUSCINETTO Z=2
Pag. 1.21



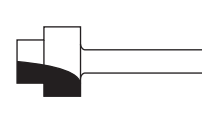
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Pag. 1.21



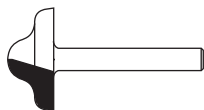
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Pag. 1.21



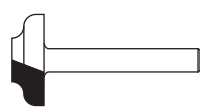
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Pag. 1.21



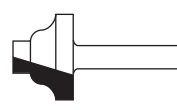
FRESE HW A GRADINO Z=2
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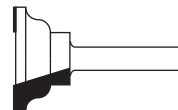
FRESE HW A DOPPIO RAGGIO PUNTA TONDA Z=2
Pag. 1.21



FRESE HW A DOPPIO RAGGIO PUNTA PIANA Z=2
Pag. 1.22



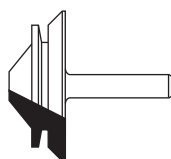
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Pag. 1.22



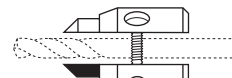
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Pag. 1.22



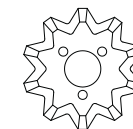
FRESE HW MULTIPROFILO Z=2
Pag. 1.22



FRESE HW PER GIUNZIONI A 90° Z=2
Pag. 1.22



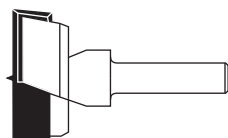
SVASATORI HW REGOLABILI DA Ø 3 A Ø 7
Pag. 1.23



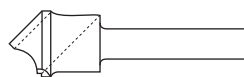
REFILATORE PER BORDATRICI MANUALI IN HS
Pag. 1.23



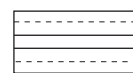
PUNTE HW PER ELETTROFRESATRICE "ELU" Z=2
Pag. 1.23



PUNTE PER CERNIERE TIPO "HOBBY"
Pag. 1.24



SVASATORI "HOBBY"
Pag. 1.24



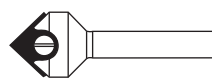
BUSSOLE DI MAGGIORAZIONE
Pag. 1.24



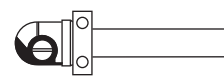
DISTANZIATORI E SPESSORI
Pag. 1.24



FRESE HW PER CANALI Z=1
Pag. 1.25



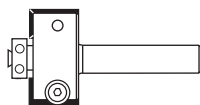
FRESE HW CON PROFILO A "V" Z=1
Pag. 1.25



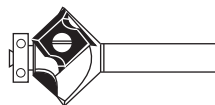
FRESE HW A RAGGIO CONVESSO Z=1
Pag. 1.25



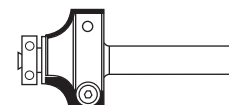
FRESE HW A TAGLIENTI DIRITTI CON CUSCINETTO
Pag. 1.25



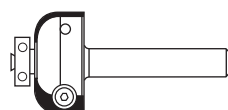
FRESE HW A GRADINO CON CUSCINETTO Z=2
Pag. 1.25



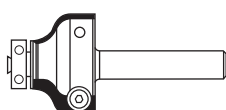
FRESE HW PER SMUSSARE CON CUSCINETTO Z=2
Pag. 1.26



FRESE HW A RAGGIO CONCAVO Z=2
Pag. 1.26



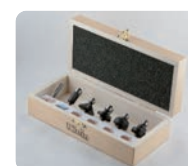
FRESE HW A RAGGIO CONVESSO CON CUSCINETTO Z=2
Pag. 1.26



FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2
Pag. 1.26



CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "RIFI-INCASTRI BASE"
Pag. 1.27



CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "MODANATURA BASE"
Pag. 1.27



CASSETTA DA 6 PEZZI IN HW
ASSORTIMENTO "CANALI BASE"
Pag. 1.28



CASSETTA DA 6 PEZZI IN HW
ASSORTIMENTO "RAGGI BASE"
Pag. 1.28



CASSETTA DA 6 PEZZI IN HW
ASSORTIMENTO "INCASTRI BASE"
Pag. 1.29



CASSETTA DA 12 PEZZI IN HW
ASSORTIMENTO "STANDARD"
Pag. 1.30



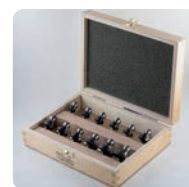
CASSETTA DA 12 PEZZI IN HW
ASSORTIMENTO "CANALI AVANZATO"
Pag. 1.31



CASSETTA DA 12 PEZZI IN HW
ASSORTIMENTO "MODANATURE
AVANZATO"
Pag. 1.32



CASSETTA DA 12 PEZZI IN HW
ASSORTIMENTO "INCASTRI AVANZATO"
Pag. 1.33



CASSETTA DA 12 PEZZI IN HW
ASSORTIMENTO "RAGGI AVANZATO"
Pag. 1.34



SET FRESE HW A COLTELLI
REVERSIBILI ASSORTIMENTO "BASE"
Pag. 1.35



SET FRESE HW A COLTELLI
REVERSIBILI ASSORTIMENTO "AVANZATO"
Pag. 1.35

FRESE PER PANTOGRAFI PORTATILI

Le frese per pantografi portatili **Klein** sono prodotti di alta qualità che permettono di soddisfare le applicazioni più importanti richieste oggi dal mercato.

Per mantenere l'ottimo **livello qualitativo** raggiunto nel tempo, i nostri reparti produttivi si sono continuamente dotati di **tecnologie e macchinari** di ultima generazione insieme a sistemi gestionali versatili e all'avanguardia.

A tutto ciò si unisce la continua attenzione nella scelta delle materie prime, che fanno sì che le frese **Klein** siano al top del mercato per prestazioni, precisione e durata di taglio, garantendo risultati eccellenti e migliori dei nostri concorrenti.

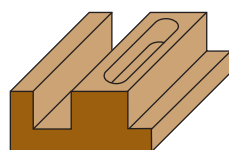
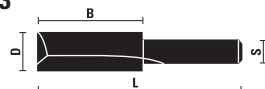
Molto importante è la **varietà della gamma di frese Klein**, infatti nel catalogo sono presenti più di mille articoli diversi che soddisfano ogni esigenza di produzione sia industriale che artigianale.

Tabella per la scelta delle frese a taglienti dritti

Articoli	Legni teneri	Legni duri	Legni composti
A/B/C 101-102 HW Integrale	XXX	XXX	XXX
A/B/C 101-102 HW Saldobrasate	XX	XXX	XXX

FRESE HW INTEGRALI PER CANALI

ART. A101/2/3 - B101/2/3 - C101/2/3



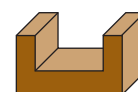
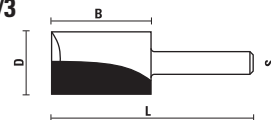
- Fora e contorna
- Indicate anche per la lavorazione di materiali plastici, acrilici, polipropilene, acetati e policarbonati
- Si usano anche su macchine C.N.C.



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L	Z
A101.015.R			1,5	4	46	2+1
A101.020.R	B101.020.R		2	4	46	2+1
	B101.024.R		2,4	6	46	2+1
A101.025.R			2,5	8	48	2+1
A101.030.R	B101.030.R	C101.030.R	3	11	51	2+1
	B101.032.R		3,2	11	51	2+1
A101.040.R	B101.040.R	C101.040.R	4	11	51	2+1
	B101.048.R		4,8	11	51	2+1
A101.050.R		C101.050.R	5	11	51	2+1
A101.060.R	B101.060.R	C101.060.R	6	19	51	2+1
	B101.064.R		6,4	19	51	2+1
A101.070.R	B101.070.R	C101.070.R	7	19	51	2+1
A101.080.R	B101.080.R	C101.080.R	8	19	51	2+1
	B102.048.R		4,8	16	55	2+1
A102.050.R		C102.050.R	5	16	55	2+1
A102.060.R	B102.060.R	C102.060.R	6	25	57	2+1
	B102.064.R		6,4	25	57	2+1
A102.080.R	B102.080.R	C102.080.R	8	25	57	2+1
A103.080.R	B103.080.R	C103.080.R	8	32	63	2+1

FRESE HW PER CANALI

ART. A101/2/3 - B101/2/3 - C101/2/3



- Fora e contorna
- Versione Z=2+1 con placchetta HW per forare

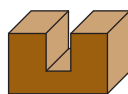


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L	Z
A101.090.R		C101.090.R	9	19	51	2
	B101.095.R		9,5	19	51	2
A101.100.R	B101.100.R	C101.100.R	10	19	51	2
A101.101.R		C101.101.R	10	19	51	2+1
A101.110.R	B101.110.R	C101.110.R	11	19	51	2
A101.120.R	B101.120.R	C101.120.R	12	19	51	2
A101.121.R		C101.121.R	12	19	51	2+1
	B101.127.R		12,7	19	51	2
A101.130.R		C101.130.R	13	19	51	2
A101.140.R	B101.140.R	C101.140.R	14	19	51	2
A101.141.R		C101.141.R	14	19	51	2+1
	B101.143.R		14,3	19	51	2
A101.150.R	B101.150.R	C101.150.R	15	19	51	2
A101.160.R	B101.160.R	C101.160.R	16	19	51	2
A101.161.R		C101.161.R	16	19	51	2+1
A101.170.R		C101.170.R NEW	17	19	51	2
	B101.175.R		17,5	19	51	2
A101.180.R	B101.180.R	C101.180.R	18	19	51	2
A101.181.R		C101.181.R	18	19	51	2+1
A101.190.R	B101.190.R	C101.190.R	19	19	51	2
A101.200.R	B101.200.R	C101.200.R	20	19	51	2
A101.201.R		C101.201.R	20	19	51	2+1
	B101.206.R		20,6	19	51	2
A101.210.R		C101.210.R	21	19	51	2
A101.220.R	B101.220.R	C101.220.R	22	19	51	2
A101.221.R		C101.221.R	22	19	51	2+1
		C101.240.R	24	19	51	2
A101.250.R		C101.250.R	25	19	51	2
	B101.254.R		25,4	19	51	2
	B102.095.R		9,5	25	57	2
A102.100.R	B102.100.R	C102.100.R	10	25	57	2
A102.101.R		C102.101.R	10	25	57	2+1
A102.120.R	B102.120.R	C102.120.R	12	25	57	2
A102.121.R		C102.121.R	12	25	57	2+1
	B102.127.R		12,7	25	57	2
		C102.140.R	14	25	57	2
A102.150.R			15	25	57	2
A102.160.R	B102.160.R	C102.160.R	16	25	57	2
A102.161.R		C102.161.R	16	25	57	2+1
	B103.095.R		9,5	32	63	2
A103.100.R	B103.100.R	C103.100.R	10	32	63	2
A103.120.R	B103.120.R	C103.120.R	12	32	63	2
	B103.127.R		12,7	32	63	2
A103.150.R			15	32	63	2
A103.160.R	B103.160.R	C103.160.R	16	32	63	2

Kit frese per canali in scatola di legno vedi a pag. 1.28 e 1.31

FRESE HW INTEGRALI A DOPPIO REFILO

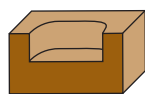
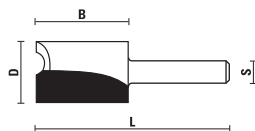
ART. A101



S Ø 6	D	B	L	Z
A101.031.R	3	11	65	2+1

FRESE HW A TAGLIENTI DIRITTI Z=2

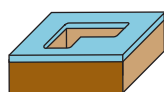
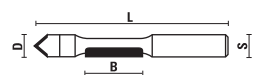
ART. A104 - B104 - C104



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A104.127.R	B104.127.R	C104.127.R	12,7	19	51
A104.160.R	B104.160.R	C104.160.R	16	19	51
A104.190.R	B104.190.R	C104.190.R	19	19	51

FRESE HW PER ASOLE Z=1+1

ART. A105 - B105 - C105



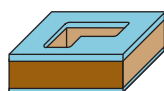
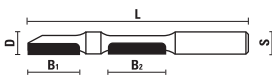
Ideale per lavorazione di laminato

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A105.060.R ▲			6	19	63
A105.064.R	B105.064.R	C105.064.R	6,4	19	63
		C105.080.R	8	19	63

▲ HW integrale

FRESE HW PER ASOLE A DOPPIO TAGLIANTE

ART. A106 - C106

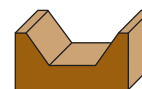
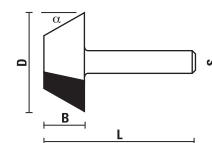


Ideale per lavorazione di laminato sopra e sotto

S Ø 6	S Ø 8	D	B1	B2	L
A106.060.R	C106.060.R	6	18	18	75

FRESE HW PER SMUSSARE Z=2

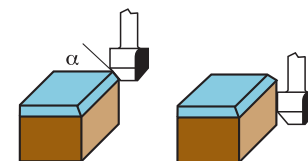
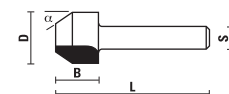
ART. A107 - B107 - C107



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A107.127.R	B107.127.R		12,7	15°	13	51
A107.143.R	B107.143.R		14,3	10°	16	45
A107.222.R	B107.222.R	C107.222.R	22,2	23°	10	38
A107.254.R	B107.254.R	C107.254.R	25,4	30°	10	38
A107.350.R	B107.350.R	C107.350.R	35	45°	10	38

FRESE HW PER SMUSSARE Z=2

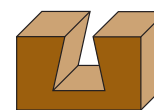
ART. A107 - B107 - C107



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A107.030.R	B107.030.R	C107.030.R	12,7	30°	12,7	41
A107.045.R	B107.045.R	C107.045.R	12,7	45°	12,7	41

FRESE HW PER GIUNZIONI A CODA DI RONDINE Z=2

ART. A108



- Da utilizzare per giunture sistema "Hoffman".
- Per cornici, perline, cassetti, telai di finestre e porte, bancali e tutta la falegnameria generale.

S Ø 6	S Ø 8	D	α	B	L	Nr.
A108.053.R ▲		5,3	17°	4	43	1
A108.078.R ▲		7,8	18°	6	43	2
A108.093.R ▲		9,3	19°	7,5	43	3
	C108.161.R	15,8	20°	13	43	4

▲ HW integrale

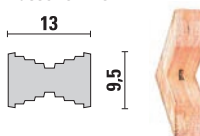
Tassello nr. 1



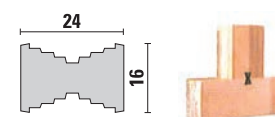
Tassello nr. 2



Tassello nr. 3

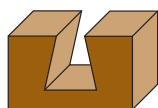
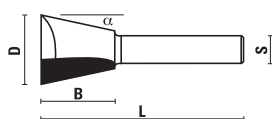


Tassello nr. 4



FRESE HW PER INCASTRI A CODA DI RONDINE Z=2

ART. A108



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A108.064.R ▲	B108.064.R	6,4	7°	8	63
A108.080.R ▲	B108.080.R	8	9°	9,5	63
A108.095.R	B108.095.R	9,5	9°	9,5	42
A108.127.R	B108.127.R	12,7	14°	13	45
A108.150.R		15	12°	14,5	58
A108.160.R	B108.160.R	16	13°	16	45
A108.190.R	B108.190.R	19	14°	19	65

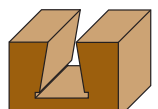
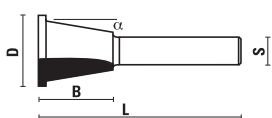
▲ HW integrale

S Ø 8	D	α	B	L
C108.064.R	6,4	7°	8	44
C108.080.R	8	9°	9,5	42
C108.095.R	9,5	9°	9,5	47
C108.127.R	12,7	14°	13	49
C108.150.R	15	12°	14,5	61
C108.160.R	16	13°	16	49
C108.190.R	19	14°	19	55
C108.191.R NEW	19	7°	19	60

Kit frese per incastri in scatola di legno vedi a pag. 1.29 e 1.33

FRESE HW PER INCASTRI A CODA DI RONDINE Z=2

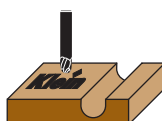
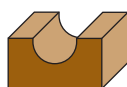
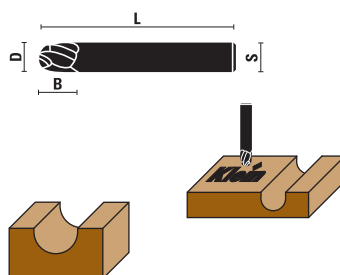
ART. A108



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A108.143.R	B108.143.R	C108.143.R	14,3	13°	13,5	55

FRESE HW INTEGRALE CON PROFILO A "U"

ART. A111



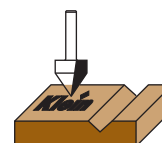
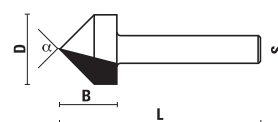
Indicato per incisioni o scritte

S Ø 6	D	R	B	L	Z
A111.060.R NEW	6	3	9	60	3

FRESE HW CON PROFILO A "V"

ART. A109 - B109 - C109

A110 - B110 - C110



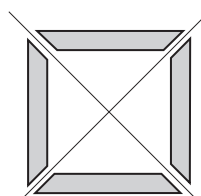
- Indicato per incisioni o scritte

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A109.060.R ▲		C109.060.R	6	90°	8	45	2
A109.095.R	B109.095.R	C109.095.R	9,5	90°	11	45	2
A109.127.R	B109.127.R	C109.127.R	12,7	90°	13	45	2
A109.160.R	B109.160.R	C109.160.R	16	90°	13	45	2
A109.190.R	B109.190.R	C109.190.R	19	90°	16	45	2
A109.254.R	B109.254.R	C109.254.R	25,4	90°	19	48	2
		① C109.380.R	38	90°	20	63	2

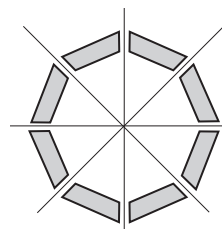
A110.127.R	B110.127.R	C110.127.R	12,7	60°	16	45	2
A110.140.R	B110.140.R	C110.140.R	14	60°	22	57	3
		② C110.190.R	19	45°	25	63	2

▲ HW integrale

① - ② Articoli per lavorazione cartongesso



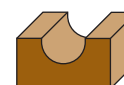
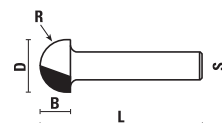
① Per forma quadrata



② Per forma ottagonale

FRESE HW A RAGGIO CONVESSO Z=2

ART. A111 - B111 - C111

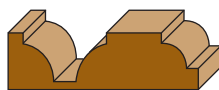
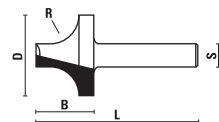


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A111.032.R ▲	B111.032.R	C111.032.R	3,2	1,6	10	44
A111.048.R ▲	B111.048.R	C111.048.R	4,8	2,4	13	44
A111.064.R ▲	B111.064.R	C111.064.R	6,4	3,2	13	44
A111.080.R ▲	B111.080.R	C111.080.R	8	4	13	47
A111.095.R	B111.095.R	C111.095.R	9,5	4,8	7	38
A111.127.R	B111.127.R	C111.127.R	12,7	6,4	10	38
A111.160.R	B111.160.R	C111.160.R	16	8	11	40
A111.180.R	B111.180.R	C111.180.R	18	9	19	47
A111.220.R	B111.220.R	C111.220.R	22	11	14	45
A111.254.R	B111.254.R	C111.254.R	25,4	12,7	17	47

▲ HW integrale

FRESE HW A RAGGIO CONCAVO Z=2

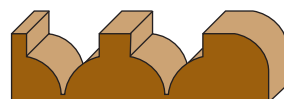
ART. A112 - B112 - C112



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A112.140.R		C112.140.R	14	4	13	41
A112.160.R		C112.160.R	16	5	13	41
A112.180.R		C112.180.R	18	6	13	41
A112.190.R	B112.190.R	C112.190.R	19	6,4	13	41
A112.220.R	B112.220.R	C112.220.R	22	8	14,5	43
A112.254.R	B112.254.R	C112.254.R	25,4	9,5	16	44
		C112.350.R	35	12,7	25,4	63

FRESE HW A RAGGIO CONCAVO Z=2

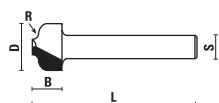
ART. C112



S Ø 8	D	R	B	L
C112.030.R	8	3	10	50
C112.040.R	10	4	10	50
C112.050.R	12	5	10	50

FRESE HW A DOPPIO RAGGIO Z=2

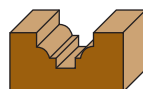
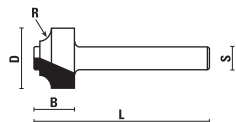
ART. A113 - B113 - C113



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A113.095.R	B113.095.R	C113.095.R	9,5	1,6	8	51
A113.127.R	B113.127.R	C113.127.R	12,7	2	10	51
A113.190.R	B113.190.R	C113.190.R	19	3,5	13	54

FRESE HW SAGOMATE A RAGGIO CONCAVO Z=2

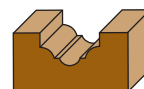
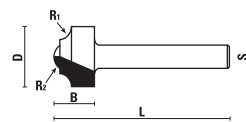
ART. A114 - B114 - C114



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A114.127.R	B114.127.R	C114.127.R	12,7	2	10	51
A114.190.R	B114.190.R	C114.190.R	19	3,5	11	52

FRESE HW SAGOMATE A DOPPIO RAGGIO Z=2

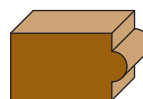
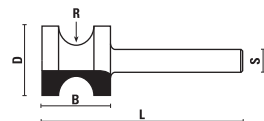
ART. A115 - B115 - C115



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A115.127.R	B115.127.R	C115.127.R	12,7	2,5	3,5	10	51
A115.190.R	B115.190.R	C115.190.R	19	3,7	4	13	54
		C115.254.R	25,4	5	6,4	17,5	73

FRESE HW SAGOMATE A MEZZO TONDO Z=2

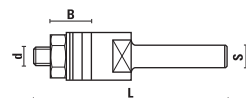
ART. A116 - B116 - C116



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A116.135.R	B116.135.R	C116.135.R	13,5	2	13	41
A116.150.R	B116.150.R	C116.150.R	15	2,8	13	42
A116.167.R	B116.167.R	C116.167.R	16,7	3,6	19	48
A116.222.R	B116.222.R	C116.222.R	22,2	5,2	19	48
A116.260.R	B116.260.R	C116.260.R	26	6,8	25	54

MANDRINO PER FRESE

ART. A117 - B117 - C117 - E117 - G117



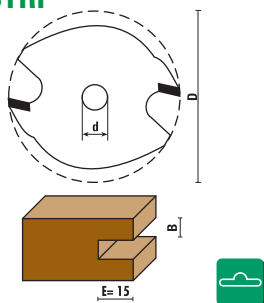
S Ø 6	S Ø 6,4 (1/4")	S Ø 8	d	B	L
A117.060.R	B117.060.R		6	17	52
A117.080.R	B117.080.R		7,94	34	67
		C117.060.R	6	17	57
		C117.079.R	7,94	34	70
		C117.080.N	7,94	53	96
		C117.081.N	7,94	66	108
		C117.082.N	7,94	38	80

S Ø 12	S Ø 12,7 (1/2")	d	B	L
E117.120.N	G117.120.R	7,94	53	96
E117.121.N	G117.121.R	7,94	66	108
E117.122.N	G117.122.R	7,94	38	80
E117.123.N	G117.123.R	7,94	34	76

Utilizzare con frese Art. A118 - C118, distanziale Art. Z057 e cuscinetto Art. Z050.006.N (vedi capitolo 10 ricambi)

FRESE HW PER PICCOLI INCASTRI

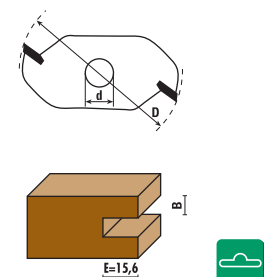
ART. A118



Foro Ø 6	d	D	B	Z
A118.015.R	6	40	1,5	2
A118.018.R	6	40	1,8	2
A118.020.R	6	40	2	2
A118.025.R	6	40	2,5	2
A118.030.R	6	40	3	2
A118.035.R	6	40	3,5	2
A118.040.R	6	40	4	2
A118.050.R	6	40	5	2
A118.060.R	6	40	6	2

FRESE HW PER PICCOLI INCASTRI

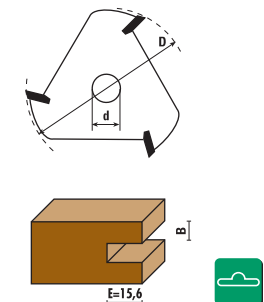
ART. C118



Foro Ø 8	d	D	B	Z
C118.216.R	7,94	47,6	1,6	2
C118.220.R	7,94	47,6	2	2
C118.224.R	7,94	47,6	2,4	2
C118.230.R	7,94	47,6	3	2
C118.232.R	7,94	47,6	3,2	2
C118.240.R	7,94	47,6	4	2
C118.248.R	7,94	47,6	4,8	2
C118.250.R	7,94	47,6	5	2
C118.260.R	7,94	47,6	6	2
C118.264.R	7,94	47,6	6,4	2

FRESE HW PER PICCOLI INCASTRI

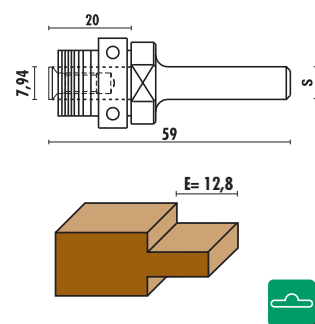
ART. C118



Foro Ø 8	d	D	B	Z
C118.316.R	7,94	47,6	1,6	3
C118.320.R	7,94	47,6	2	3
C118.324.R	7,94	47,6	2,4	3
C118.330.R	7,94	47,6	3	3
C118.332.R	7,94	47,6	3,2	3
C118.340.R	7,94	47,6	4	3
C118.348.R	7,94	47,6	4,8	3
C118.350.R	7,94	47,6	5	3
C118.360.R	7,94	47,6	6	3
C118.364.R	7,94	47,6	6,4	3

MANDRINO PER FRESE A SCOMPARSA

ART. A117 - B117 - C117 - E117 - G117



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	S Ø 12	S Ø 12,7 (1/2")
A117.280.R	B117.280.R	C117.280.R	E117.280.R	G117.280.R

Completo di cuscinetto



Z050.008.N



Z051.015.R



nr. 2 - Z054.002.N - 1 mm
nr. 2 - Z054.003.N - 0,5 mm
nr. 5 - Z054.004.N - 0,1 mm
nr. 2 - Z054.005.N - 3 mm

Per altre profondità di taglio (E) vedi pagina ricambi (cuscinetti)

A117.281.R	B117.281.R	C117.281.R	E117.281.R	G117.281.R
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Senza cuscinetto



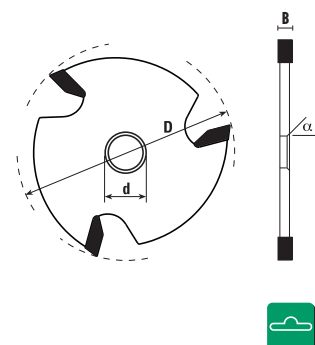
Z051.015.R



nr. 3 - Z054.002.N - 1 mm
nr. 2 - Z054.003.N - 0,5 mm
nr. 6 - Z054.004.N - 0,1 mm
nr. 2 - Z054.005.N - 3 mm
nr. 1 - Z054.006.N - 6 mm

FRESE PER SCANALATURE CON SERRAGGIO A SCOMPARSA

ART. C118

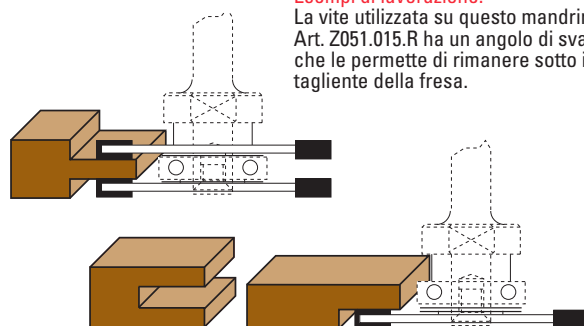


Foro con svasatura a 45°

Foro Ø 8	d	D	B	Z
C118.830.R NEW	7,94	47,6	3	3
C118.832.R NEW	7,94	47,6	3,2	3
C118.840.R NEW	7,94	47,6	4	3
C118.848.R NEW	7,94	47,6	4,8	3
C118.850.R NEW	7,94	47,6	5	3
C118.860.R NEW	7,94	47,6	6	3
C118.864.R NEW	7,94	47,6	6,4	3

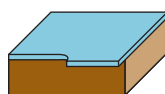
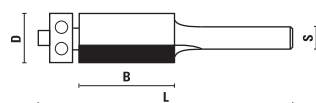
Esempi di lavorazione:

La vite utilizzata su questo mandrino Art. Z051.015.R ha un angolo di svasatura che le permette di rimanere sotto il tagliente della fresa.



FRESE HW A TAGLIENTI DIRITTI CON CUSCINETTO Z=2

ART. A119 - B119 - C119



Ideale per lavorazione di laminato

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A119.064.R	B119.064.R	6,4	13	53



Z050.017.N



Z051.006.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A119.095.R	B119.095.R	C119.095.R	9,5	13	54



Z050.002.N



Z053.002.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A119.127.R	B119.127.R	C119.127.R	12,7	13	60



Z050.002.N



Z053.002.N



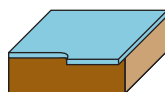
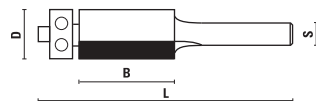
Z054.002.N



Z051.002.R

FRESE HW A TAGLIENTI DIRITTI ASSIALI CON CUSCINETTO Z=2

ART. A119 - B119 - C119



- Ideale per lavorazione di laminato
- Tagliente con angolo assiale

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A119.160.R	B119.160.R	C119.160.R	16	16	56



Z050.004.N



Z053.004.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A119.190.R	B119.190.R	C119.190.R	19	16	60
A119.191.R	B119.191.R	C119.191.R	19	25	72



Z050.005.N



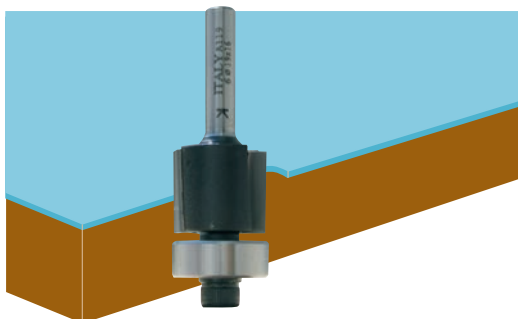
Z053.002.N



Z054.002.N

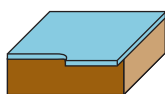
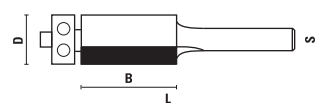


Z051.004.R



FRESE HW A TAGLIENTI DIRITTI CON CUSCINETTO Z=2

ART. A120 - B120 - C120



Ideale per lavorazione di laminato

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A120.064.R	B120.064.R	6,4	25	67



Z050.017.N



Z051.006.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A120.095.R	B120.095.R	C120.095.R	9,5	25	67



Z050.002.N



Z053.002.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A120.127.R	B120.127.R	C120.127.R	12,7	25	67



Z050.003.N



Z053.003.N



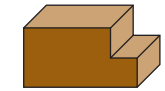
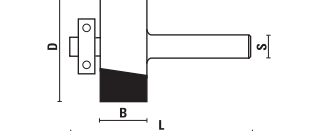
Z054.002.N



Z051.002.R

FRESE HW A GRADINO CON CUSCINETTO Z=2

ART. A121 - B121 - C121



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	E	L
A121.240.R	B121.240.R	C121.240.R	24	13	4	54



Z050.011.N



Z054.003.N



Z051.004.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	E	L
A121.317.R	B121.317.R	C121.317.R	31,7	13	9,5	51
A121.350.R	B121.350.R	C121.350.R	35	13	11	51



Z050.003.N



Z053.003.N



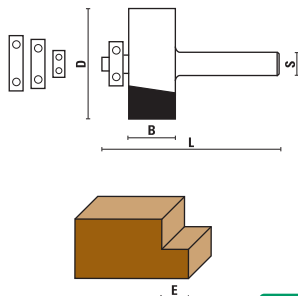
Z054.002.N



Z051.002.R

FRESE HW A GRADINO CON CUSCINETTO Z=2

ART. A121 - B121 - C121



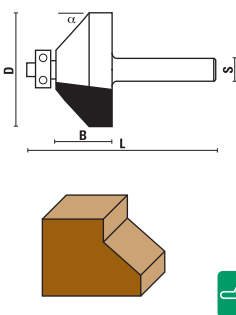
Completo di nr. 4 cuscinetti per ottenere E= 8 - 9,5 - 11 - 12,7

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	E	L
A121.850.R	B121.850.R	C121.850.R	35	13	8/9,5/11/12,7	51



FRESE HW PER SMUSSARE CON CUSCINETTO Z=2

ART. A122

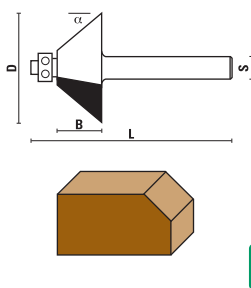


S Ø 6	S Ø 8	D	α	B	L
A122.350.R	B122.350.R	35	45°	18	57



FRESE HW PER SMUSSARE CON CUSCINETTO

ART. A122 - B122 - C122



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A122.010.R	B122.010.R		17,5	10°	10	49	3
A122.015.R	B122.015.R	C122.015.R	19	15°	10	49	3
A122.025.R	B122.025.R	C122.025.R	22	25°	10	49	3
A122.045.R	B122.045.R	C122.045.R	30	45°	10	49	3

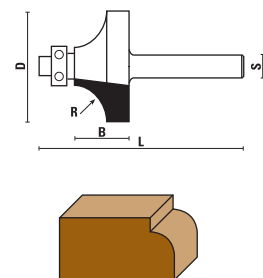


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A122.130.R	B122.130.R		13	15°	12,7	46	2
A122.190.R	B122.190.R		19	25°	12,7	46	2
A122.317.R	B122.317.R	C122.317.R	31,7	45°	13	51	2



FRESE HW A RAGGIO CONCAVO CON CUSCINETTO Z=2

ART. A123 - B123 - C123



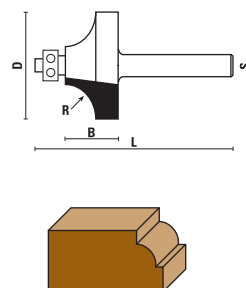
S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A123.160.R	B123.160.R	C123.160.R	16	1,6	8	46
A123.167.R		C123.167.R	16,7	2	8	47
A123.187.R		C123.187.R	18,7	3	9,5	49
A123.190.R	B123.190.R	C123.190.R	19	3,2	10	48
A123.207.R	B123.207.R	C123.207.R	20,7	4	10	49
A123.222.R	B123.222.R	C123.222.R	22,2	4,8	13	51
A123.227.R		C123.227.R	22,7	5	12	51
A123.247.R		C123.247.R	24,7	6	12	51
A123.254.R	B123.254.R	C123.254.R	25,4	6,4	13	51
A123.286.R	B123.286.R	C123.286.R	28,6	8	13	51
A123.318.R	B123.318.R	C123.318.R	31,8	9,5	16	56
A123.327.R		C123.327.R	32,7	10	16	55
A123.354.R	B123.354.R	C123.354.R	35,4	11	17	57
A123.367.R		C123.367.R	36,7	12	20	57
A123.380.R	B123.380.R	C123.380.R	38	12,7	19	57



Kit frese a raggio concavo in scatola di legno vedi a pag. 1.34

FRESE HW A RAGGIO CONCAVO CON CUSCINETTO Z=2

ART. A124 - B124 - C124

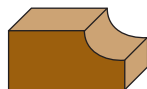
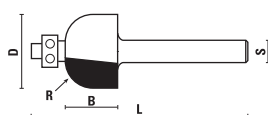


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A124.160.R	B124.160.R	C124.160.R	16	1,6	8	46
A124.167.R		C124.167.R	16,7	2	8	47
A124.187.R		C124.187.R	18,7	3	9,5	49
A124.190.R	B124.190.R	C124.190.R	19	3,2	10	48
A124.207.R	B124.207.R	C124.207.R	20,7	4	10	49
A124.222.R	B124.222.R	C124.222.R	22,2	4,8	13	51
A124.227.R		C124.227.R	22,7	5	12	51
A124.247.R		C124.247.R	24,7	6	12	51
A124.254.R	B124.254.R	C124.254.R	25,4	6,4	13	51
A124.286.R	B124.286.R	C124.286.R	28,6	8	13	51
A124.318.R	B124.318.R	C124.318.R	31,8	9,5	16	56
A124.327.R		C124.327.R	32,7	10	16	55
A124.367.R		C124.367.R	36,7	12	20	57
A124.380.R	B124.380.R	C124.380.R	38	12,7	19	57



FRESE HW A RAGGIO CONVESSO CON CUSCINETTO Z=2

ART. A125 - B125 - C125



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A125.160.R	B125.160.R	C125.160.R	16	3,2	13	51
A125.190.R	B125.190.R	C125.190.R	19	4,8	14	51
A125.222.R	B125.222.R	C125.222.R	22,2	6,4	14	51
A125.254.R	B125.254.R	C125.254.R	25,4	8	14	51
A125.286.R	B125.286.R	C125.286.R	28,6	9,5	14	51
A125.350.R	B125.350.R	C125.350.R	35	12,7	16	54



Z050.001.N



Z053.001.N



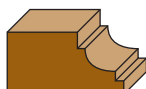
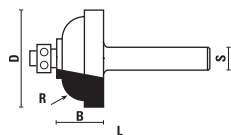
Z054.001.N



Z051.001.R

FRESE HW A RAGGIO CONVESSO CON CUSCINETTO Z=2

ART. A126 - B126 - C126



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A126.286.R	B126.286.R	C126.286.R	28,6	4,8	13	51
A126.350.R	B126.350.R	C126.350.R	35	8	16	54



Z050.003.N



Z053.003.N



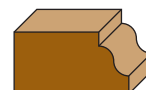
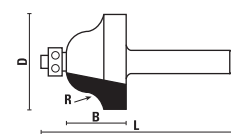
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A127 - B127 - C127



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A127.254.R	B127.254.R	C127.254.R	25,4	4	16	54
A127.350.R	B127.350.R	C127.350.R	35	6,4	20	57



Z050.001.N



Z053.001.N



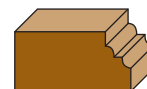
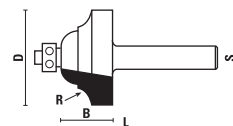
Z054.001.N



Z051.001.R

FRESE HW A RAGGIO CONCAVO CON CUSCINETTO Z=2

ART. A128 - B128 - C128



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A128.254.R	B128.254.R	C128.254.R	25,4	4	16	53
A128.350.R	B128.350.R	C128.350.R	35	6,4	20	57



Z050.001.N



Z053.001.N



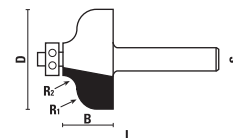
Z054.001.N



Z051.001.R

FRESE HW A RAGGIO CONCAVO CON CUSCINETTO Z=2

ART. A129 - B129 - C129



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A129.286.R	B129.286.R	C129.286.R	28,6	4,5	4	13	51
A129.350.R	B129.350.R	C129.350.R	35	6	5	18	55



Z050.003.N



Z053.003.N



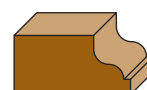
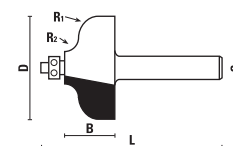
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A130 - B130 - C130



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A130.286.R	B130.286.R	C130.286.R	28,6	4,5	4	13	51
A130.350.R	B130.350.R	C130.350.R	35	6	5	18	55



Z050.002.N



Z053.002.N



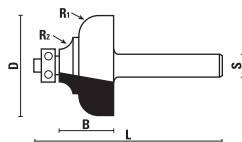
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A131 - B131 - C131



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A131.286.R	B131.286.R	C131.286.R	28,6	4	4	13	51
A131.350.R	B131.350.R	C131.350.R	35	6,4	4,8	18	56



Z050.003.N



Z053.003.N



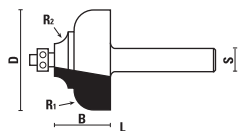
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A132 - B132 - C132



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A132.286.R	B132.286.R	C132.286.R	28,6	4	4	13	51
A132.350.R	B132.350.R	C132.350.R	35	6,4	4,8	18	56



Z050.002.N



Z053.002.N



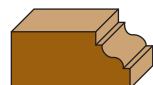
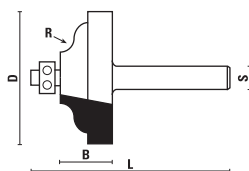
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A133 - B133 - C133



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A133.350.R	B133.350.R	C133.350.R	35	4	14	52



Z050.002.N



Z053.002.N



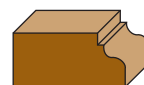
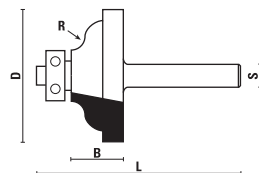
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A134 - B134 - C134



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A134.350.R	B134.350.R	C134.350.R	35	4	14	52



Z050.003.N



Z053.003.N



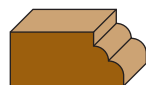
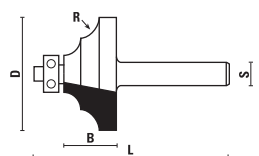
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A135 - B135 - C135



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A135.286.R	B135.286.R	C135.286.R	28,6	4	13	51
A135.350.R	B135.350.R	C135.350.R	35	5,5	18	60



Z050.003.N



Z053.003.N



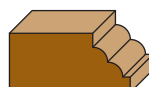
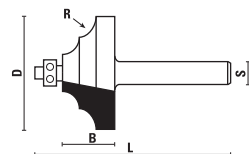
Z054.002.N



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A136 - B136 - C136



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A136.286.R	B136.286.R	C136.286.R	28,6	4	13	51
A136.350.R	B136.350.R	C136.350.R	35	5,5	18	60



Z050.002.N



Z053.002.N



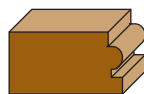
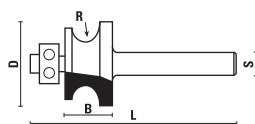
Z054.002.N



Z051.002.R

FRESE HW PER DECORAZIONI CON CUSCINETTO Z=2

ART. A137 - B137 - C137

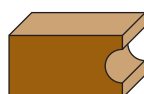
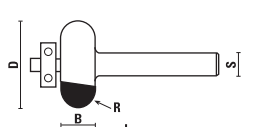


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A137.220.R	B137.220.R	C137.220.R	22	3,2	14	54
Z050.003.N	Z053.003.N	Z054.002.N				Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A137.280.R	B137.280.R	C137.280.R	28	4,8	16	57
A137.320.R	B137.320.R	C137.320.R	32	6,4	19	58
Z050.004.N	Z053.004.N	Z054.002.N				Z051.002.R

FRESE HW MEZZO TONDO CON CUSCINETTO Z=2

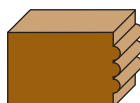
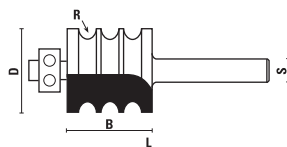
ART. A138 - B138



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A138.210.R	B138.210.R	21	4	8	47
A138.230.R	B138.230.R	23	5	10	49
A138.250.R	B138.250.R	25	6	12	51
Z050.003.N	Z053.003.N	Z054.002.N			Z051.002.R

FRESE HW A TRIPLO RAGGIO CON CUSCINETTO Z=2

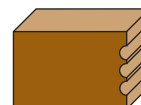
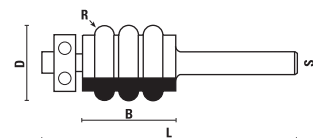
ART. A139 - B139



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A139.220.R	B139.220.R	22	3	25	65
Z050.004.N	Z053.004.N	Z054.002.N			Z051.002.R

FRESE HW A TRIPLO RAGGIO CON CUSCINETTO Z=2

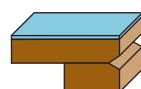
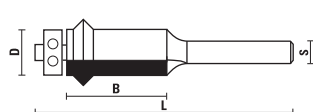
ART. A140 - B140



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A140.220.R	B140.220.R	22	3	25	64
Z050.004.N	Z053.004.N	Z054.002.N			Z051.002.R

FRESE HW PER RIFILARE CON CUSCINETTO Z=2

ART. A141 - B141

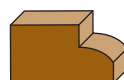
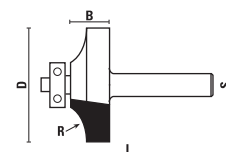


- Ideale per lavorazione di laminato e melaminico
- Decoro a "V" nella giunzione dei due legni

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A141.127.R	B141.127.R	12,7	25,4	67
Z050.003.N	Z053.003.N	Z054.002.N		Z051.002.R

FRESE HW A RAGGIO CONCAVO-SCHIACCIATO CON CUSCINETTO Z=2

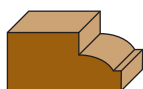
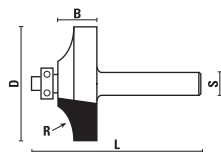
ART. A142 - B142 - C142



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A142.300.R	B142.300.R	C142.300.R	30	12	10	48
Z050.003.N	Z053.003.N	Z054.002.N				Z051.002.R

FRESE HW A RAGGIO CONCAVO-SCHIACCIATO CON CUSCINETTO Z=2

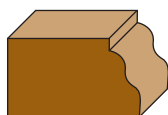
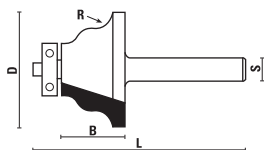
ART. A143 - B143 - C143



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A143.300.R	B143.300.R	C143.300.R	30	12	10	48
						
Z050.002.N	Z053.002.N	Z054.002.N	Z051.002.R			

FRESE HW A PROFILO ONDULATO CON CUSCINETTO

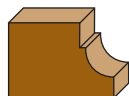
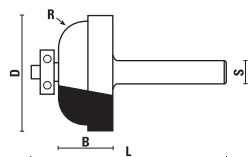
ART. A144 - B144 - C144



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A144.318.R	B144.318.R	31,8	4	17,5	57
					
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R		

FRESE HW A RAGGIO CONVESSO CON CUSCINETTO Z=2

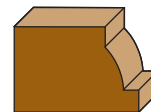
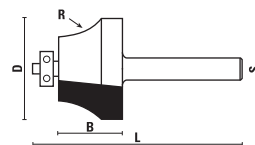
ART. A145 - B145 - C145



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A145.286.R	B145.286.R	C145.286.R	28,6	4,8	13	51
A145.350.R	B145.350.R	C145.350.R	35	8	16	55
						
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

FRESE HW A PROFILO OVALE CON CUSCINETTO Z=2

ART. A146 - B146 - C146

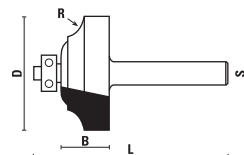


Si può utilizzare accoppiata all'Art. A175 - B175 - C175

S Ø 6	S Ø 8	D	R	B	L
A146.270.R	C146.270.R ad esaurimento	27	17	17	57
A146.335.R	C146.335.R ad esaurimento	33,5	9	15	57
					
Z050.002.N	Z053.002.N	Z054.002.N	Z051.002.R		

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

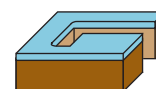
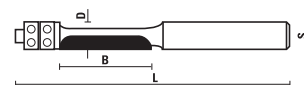
ART. A147 - B147 - C147



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A147.318.R	B147.318.R	C147.318.R	31,8	5	13	51
A147.380.R	B147.380.R	C147.380.R	38	6	16	54
						
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

FRESE HW PER ASOLE CON CUSCINETTO Z=1

ART. A150 - C150

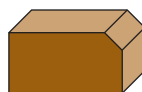
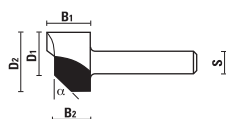


Ideale per lavorazione di laminato

S Ø 6	S Ø 8	D	B	L
A150.064.R	C150.064.R	6,4	19	57
				
Z050.017.N				

FRESE HW A TAGLIENTI COMBINATI Z=2

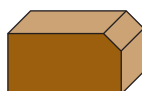
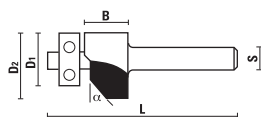
ART. A151 - C151



S Ø 6	S Ø 8	D1	D2	B1	B2	α
A151.200.R	C151.200.R	20	24	15	11	0°/45°

FRESE HW A TAGLIENTI COMBINATI CON CUSCINETTO Z=2

ART. A152 - C152



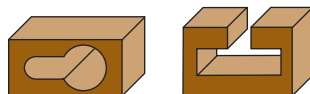
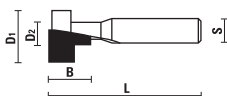
S Ø 6	S Ø 8	D1	D2	B1	B2	α
A152.190.R	C152.190.R	19	26	15	49	0°/45°



Z050.006.N

FRESE HW PER SEDE CHIAVE Z=1

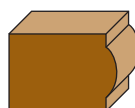
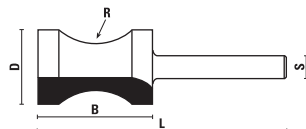
ART. A153



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D1	D2	B	L
A153.098.R	B153.098.R	C153.098.R	9,8	5	9,8	38,1
A153.127.R	B153.127.R	C153.127.R	12,7	8	9,8	38,1

FRESE HW SAGOMATE Z=2

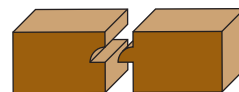
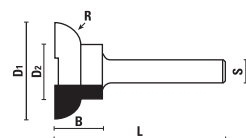
ART. A154



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A154.202.R	B154.202.R	C154.202.R	20,2	18	32	62,6

FRESE HW A RAGGIO NEGATIVO Z=2

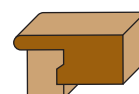
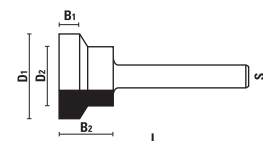
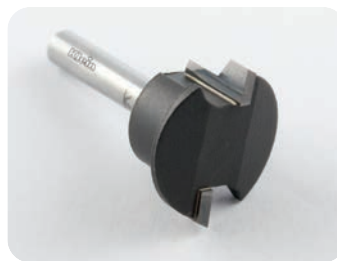
ART. A155 - B155



S Ø 6	S Ø 6,4 (1/4")	D1	D2	R	B	L
A155.280.R	B155.280.R	28	15	6,4	13	41

FRESE HW PER GIUNZIONI PER CASSETTI Z=2

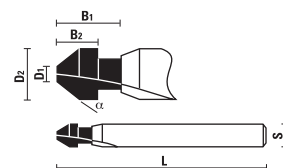
ART. A156 - B156



S Ø 6	S Ø 6,4 (1/4")	D1	D2	B1	B2	L
A156.254.R	B156.254.R	25,4	18,5	4	13	49

FRESE HW PER GUARNIZIONI TRAPEZOIDALI Z=2

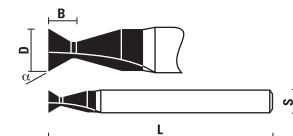
ART. A157



S Ø 6	S Ø 6,4 (1/4")	D2	D1	α	B1	B2	L
A157.055.R	B157.055.R	5,5	2	38°	8	4	65

FRESE HW INTEGRALE PER GUARNIZIONI A CODA DI RONDINE Z=2

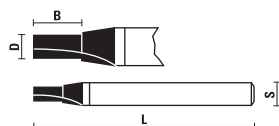
ART. A158



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A158.051.R	B158.051.R	5,1	25°	4	60

FRESE HW INTEGRALE PER GUARNIZIONI DIRITTE Z=2

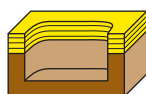
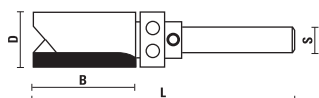
ART. A159 - B159



S Ø 6	S Ø 6,4 (1/4")	D	B	L
A159.030.R	B159.030.R	3	8	55

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A160 - B160



S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.127.R	B160.127.R	12,7	25,4	63
A160.128.R	B160.128.R	12,7	32	69



Z050.007.N



Z058.001.N



Z052.005.N



Z051.005.R

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.160.R	B160.160.R	16	25,4	63



Z050.011.N



Z058.001.N



Z052.005.N



Z051.005.R

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.190.R	B160.190.R	19	25,4	63



Z050.005.N



Z058.001.N



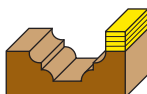
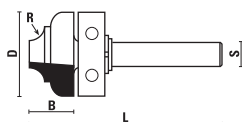
Z052.005.N



Z051.005.R

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A161 - B161



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A161.220.R	B161.220.R	22	3,5	11	51



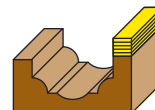
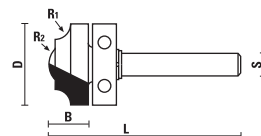
Z050.008.N



DIN 471-15

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A162 - B162



S Ø 6	S Ø 6,4 (1/4")	D	R1	R2	B	L
A162.220.R	B162.220.R	22	4	5,5	12	51



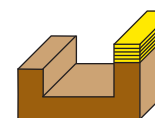
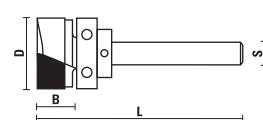
Z050.008.N



DIN 471-15

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A163 - B163



Per attacco Ø8 usare bussole di maggiorazione Art. Z010 a pag.

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A163.190.R	B163.190.R	19	11	56



Z050.005.N



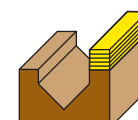
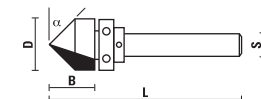
Z058.001.N



Z051.005.R

FRESE HW A "V" CON CUSCINETTO SUPERIORE Z=2

ART. A164 - B164



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A164.127.R	B164.127.R	12,7	45°	13	51



Z050.007.N



Z058.001.N



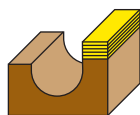
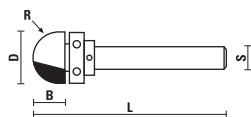
Z052.005.N



Z051.005.R

FRESE HW CON CUSCINETTO SUPERIORE Z=2

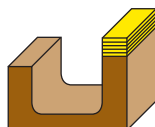
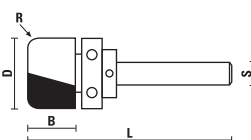
ART. A165 - C165



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A165.127.R	B165.127.R	12,7	6,4	9,5	51
					
Z050.007.N	Z058.001.N	Z051.005.R			

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A166 - C166

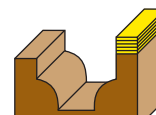
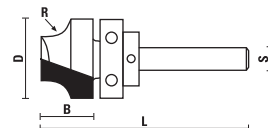


S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A166.127.R	B166.127.R	12,7	3,2	13	54
					
Z050.007.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A166.190.R	B166.190.R	19	6,4	16	59
					
Z050.005.N	Z058.001.N	Z051.005.R			

FRESE HW CON CUSCINETTO SUPERIORE Z=2

ART. A167 - C167



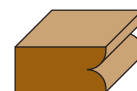
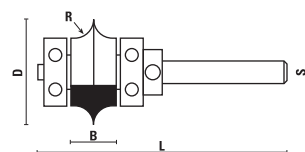
S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.127.R	B167.127.R	12,7	3	9,5	48
					
Z050.007.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.220.R	B167.220.R	22	5	12	55
					
Z050.008.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.286.R	B167.286.R	28,6	8	15	58
					
Z050.015.N	Z058.003.N	Z051.005.R			

FRESE HW PER DECORAZIONI DOPPIO CUSCINETTO Z=2

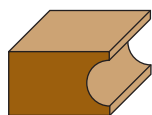
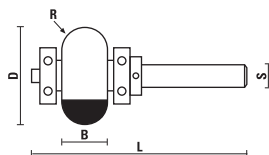
ART. A168 - B168



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A168.254.R	B168.254.R	25,4	4,8	13	66
A168.286.R	B168.286.R	28,6	6,4	16	69
					
Z050.011.N	Z058.001.N	Z053.002.N			
					
Z051.004.R	Z051.005.R				

FRESE HW MEZZO TONDO DOPPIO CUSCINETTO Z=2

ART. A169 - B169



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A169.190.R	B169.190.R	19	3,2	6,4	57
A169.230.R	B169.230.R	23	5	10	61



Z050.007.N
superiore



Z058.001.N



Z051.005.R



Z050.003.N
inferiore



Z053.003.N



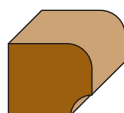
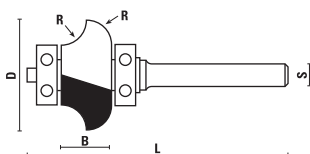
Z054.002.R



Z051.002.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A170 - B170 - C170



- N.B. disegno BREVETTATO

S Ø 6	S Ø 8	D	R	B	L
A170.285.R*	C170.285.R*	28,5	6,4	14	66
A170.320.R*	C170.320.R*	32	8	17	69
A170.350.R*	C170.350.R*	35	9,5	20	72

* ad esaurimento



Z050.018.N



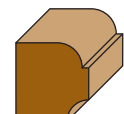
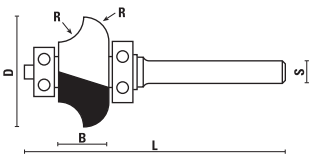
Z058.001.N



Z051.005.R

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2

ART. A171 - B171 - C171



N.B. disegno BREVETTATO

S Ø 6	S Ø 8	D	R	B	L
A171.285.R*	C171.285.R*	28,5	6,4	14	66
A171.320.R*	C171.320.R*	32	8	17	69
A171.350.R*	C171.350.R*	35	9,5	20	72

* ad esaurimento



Z050.019.N



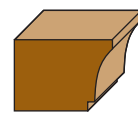
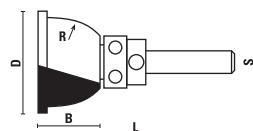
Z058.001.N



Z051.005.R

FRESE HW A PROFILO OVALE CON CUSCINETTO SUPERIORE Z=2

ART. A175 - B175



Si può utilizzare accoppiata all'Art. A146 - B146 - C146

S Ø 6	D	R	B	L
A175.300.R ad esaurimento	30	17	16	52
A175.360.R ad esaurimento	36	9	12	52



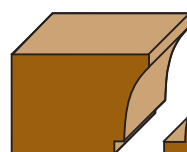
Z050.007.N



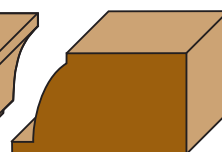
Z058.001.N



Z051.005.R



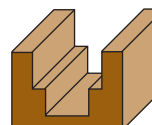
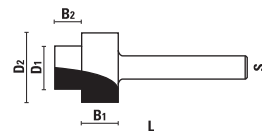
art. A175



art. A146

FRESE HW A GRADINO Z=2

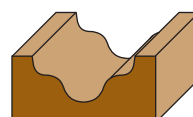
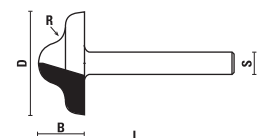
ART. A180 - B180



S Ø 6	S Ø 6,4 (1/4")	D1	D2	B1	B2	L
A180.095.R	B180.095.R	9,5	19	12,7	6,4	48
A180.127.R	B180.127.R	12,7	19	9,5	6,4	51

FRESE HW A DOPPIO RAGGIO PUNTA TONDA Z=2

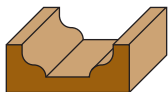
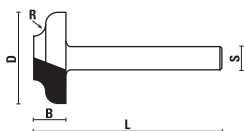
ART. A181 - B181 - C181



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A181.270.R	B181.270.R	C181.270.R	27	6	12	52

FRESE HW A DOPPIO RAGGIO PUNTA PIANA Z=2

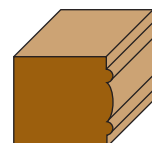
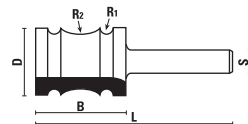
ART. A182 - B182 - C182



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A182.254.R	B182.254.R	C182.254.R	25,4	3,2	9,5	50

FRESE HW MULTIPROFILO Z=2

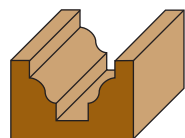
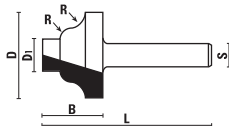
ART. A191 - C191



S Ø 6	S Ø 6,4 (1/4")	D	R1	R2	B	L
A191.190.R	B191.190.R	19	2	6	25	55

FRESE HW A DOPPIO RAGGIO Z=2

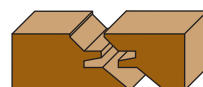
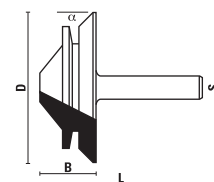
ART. A185 - B185



S Ø 6	S Ø 6,4 (1/4")	D	D1	R	B	L
A185.210.R	B185.210.R	21	8	3,2	13	42
A185.250.R	B185.250.R	25	8	4	17	45

FRESE HW PER GIUNZIONI A 90° Z=2

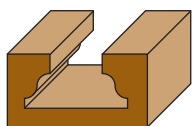
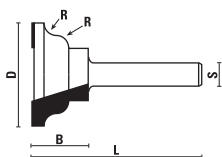
ART. A195 - C195



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A195.380.R	B195.380.R	38	45°	13	41
A195.420.R	B195.420.R	42	45°	16	45

FRESE HW A DOPPIO RAGGIO Z=2

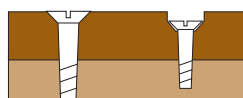
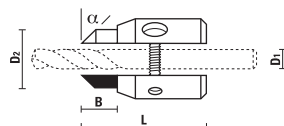
ART. A186 - B186



S Ø 6	S Ø 6,4 (1/4")	D	D1	R	B	L
A186.250.R	B186.250.R	25	12	3,2	13	42
A186.290.R	B186.290.R	29	12	4	17	45

SVASATORI HW REGOLABILI DA Ø 3 A Ø 7

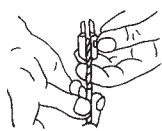
ART. A199



- Ogni svasatore regolabile è fornito con la propria chiave e confezionato singolarmente
- N.B.: Piccolo espositore omaggio con l'acquisto di nr. 10 pz.



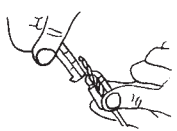
Articolo	D1	D2	α	B	L
A199.030.R	3/7	11/15	45°	12	32



Inserire la punta



Aggiustare la profondità di foratura



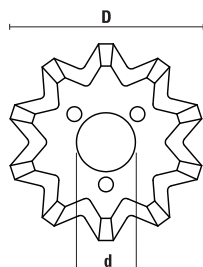
Allineare il tagliente dello svasatore con quello della punta



Stringere le viti

REFILATORE PER BORDATRICI MANUALI IN HS

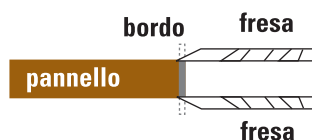
ART. AG



Da utilizzare su macchine "VITAP"

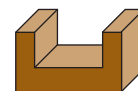
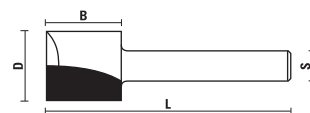


Articolo	D	d	B	Z
AG040.01012 NEW	40	12	1,1	10



PUNTE HW PER ELETTROFRESETRICE "ELU"

ART. C190



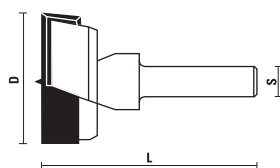
Fora e contorna

S Ø 8	D	B	L	Z
C190.030.R ▲	3	10	55	2+1
C190.040.R ▲	4	12	55	2+1
C190.050.R ▲	5	14	55	2+1
C190.060.R ▲	6	16	55	2+1
C190.070.R ▲	7	18	55	2+1
C190.080.R ▲	8	20	55	2+1
C190.081.R ▲ NEW	8	40	90	2+1
C190.090.R ▲	9	20	55	2+1
C190.100.R ▲	10	20	55	2+1
C190.101.R NEW	10	30	70	2+1
C190.102.R NEW	10	40	90	2+1
C190.120.R	12	20	60	2+1
C190.121.R	12	20	100	2+1
C190.122.R NEW	12	30	70	2+1
C190.123.R NEW	12	40	90	2+1
C190.140.R	14	20	60	2+1
C190.141.R	14	20	100	2+1
C190.142.R NEW	14	40	90	2+1
C190.150.R	15	20	70	2+1
C190.160.R	16	20	70	2+1
C190.161.R	16	20	100	2+1
C190.162.R	16	40	90	2+1
C190.163.R NEW	16	30	70	2+1
C190.180.R	18	20	70	2+1
C190.181.R NEW	18	30	70	2+1
C190.182.R NEW	18	40	90	2+1
C190.200.R	20	20	70	2+1
C190.201.R	20	20	100	2+1
C190.202.R NEW	20	30	70	2+1
C190.203.R NEW	20	40	90	2+1
C190.220.R	22	16	70	2+1
C190.221.R	22	20	100	2+1
C190.222.R NEW	22	30	70	2+1
C190.223.R NEW	22	40	90	2+1
C190.240.R	24	16	70	2+1
C190.241.R NEW	24	30	70	2+1
C190.250.R	25	16	70	2+1

▲ HW integrale

PUNTE PER CERNIERE TIPO "HOBBY"

ART. C192



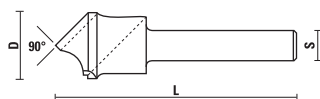
Senza incisori



Rotaz. DX	D	L	S
C192.250.R	25	57	8
C192.260.R	26	57	8
C192.300.R	30	57	8
C192.350.R	35	57	8

SVASATORI "HOBBY"

ART. C240



S Ø 8x30	D	L
C240.160.R	16	55

BUSSOLE DI MAGGIORAZIONE

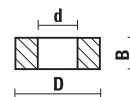
ART. Z001



Articolo	D	d	L
Z001.001.N	8	6	25
Z001.002.N	9,5	6	25
Z001.003.N	9,5	8	25
Z001.004.N	10	8	25
Z001.005.N	12	8	25
Z001.006.N	12	6	25
Z001.009.N	8	6,4	25
Z001.011.N	10	6	25
Z001.017.N	9,5	6,4	25
Z001.019.N	12,7	8	25
Z001.020.N	12,7	6,4	25

DISTANZIATORI E SPESSORI

ART. Z057



Articolo	D	d	B
Z057.001.N	16	7,94	3,6
Z057.002.N	16	7,94	1
Z057.003.N	16	7,94	0,5
Z057.004.N	16	7,94	0,1
Z057.005.N	16	7,94	3
Z057.006.N	16	7,94	6
Z057.007.N	16	7,94	0,4
Z057.008.N	16	7,94	0,05
Z057.009.N	16	7,94	5,3
Z057.010.N	9,5	6,4	2,2
Z057.101.N	10	6	1
Z057.102.N	10	6	1,5
Z057.103.N	10	6	3

FRESE HW A COLTELLI REVERSIBILI PER PANTOGRAFI PORTATILI

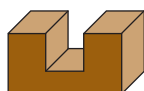
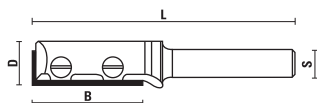
Sempre alla ricerca di **prodotti innovativi** e soluzioni più vantaggiose, la **SISTEMI** ha sviluppato una nuova linea di **frese Klein a coltellini HW intercambiabili**.

Grazie all'utilizzo di coltellini in HM ed alla possibilità di una facile sostituzione i vantaggi più evidenti sono:

- Maggior **durata d'utilizzo** dell'utensile
i coltelli intercambiabili sono prodotti con HW più resistente all'usura rispetto alle frese saldobrasate;
- Migliore **qualità di finitura** nel lavorare materiali molto abrasivi;
- Maggior **precisione delle misure**
non subisce riaffilatura quindi le dimensioni dell'utensile rimangono costanti;
- Miglior **rapporto qualità/prezzo**
una lunga vita del corpo fresa e una maggiore economia nel tempo.

FRESE HW PER CANALI Z=1

ART. WC101

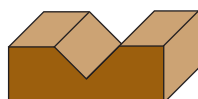
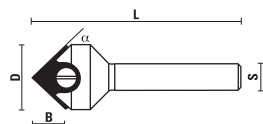


Con coltellini "Reversibili"

S Ø 8	D	B	L
WC101.120.R	12	29,5	66
			
Z055.330.N	Z051.501.R		

FRESE HW CON PROFILO A "V" Z=1

ART. WC109

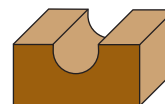
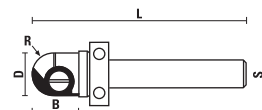


Con coltellini "Reversibili"

S Ø 8	D	B	α	L
WC109.176.R	17,6	8,5	45°	53
				
Z055.001.N	Z051.501.R			

FRESE HW A RAGGIO CONVESSO Z=1

ART. WC111

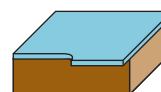
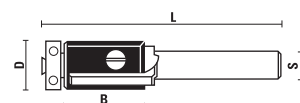


Con coltellini "Reversibili"

S Ø 8	D	B	R	L
WC111.127.R	12,7	13	6	59
				
Z050.018.N	Z055.550.N	Z051.501.R		

FRESE HW A TAGLIENTI DIRITTI CON CUSCINETTO

ART. WC120

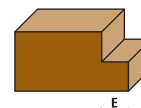
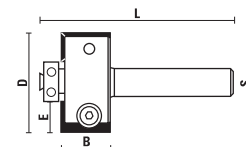


Con coltellini "Reversibili"

S Ø 8	D	B	L	Z
WC120.127.R	12,7	20	62	2
				
Z050.003.N	Z055.551.N	Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino	

FRESE HW A GRADINO CON CUSCINETTO Z=2

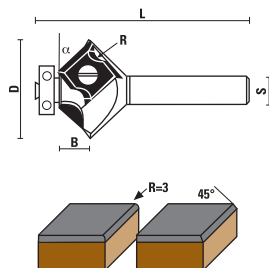
ART. WC121



Con coltellini "Reversibili"

S Ø 8	D	B	E	L
WC121.286.R	28,6	13,2	7,95	48
				
Z050.002.N	Z055.552.N	Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino	

FRESE HW PER SMUSSARE CON CUSCINETTO Z=2 ART. WC122

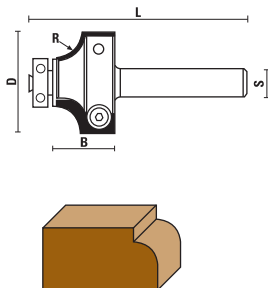


- Con coltellini "Reversibili"
- Con lo stesso coltellino si può ottenere uno smusso a 45° e uno raggiato R=3.



S Ø 8	D	B	R	α	L
WC122.273.R	27,3	5,7	3	45°	59
Z050.003.N	Z055.553.N				
Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino				

FRESE HW A RAGGIO CONCAVO Z=2 ART. WC123

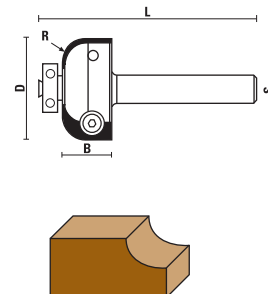


Con coltellini "Reversibili"



S Ø 8	D	B	R	L
WC123.260.R	26	15,7	6	55
Z050.003.N	Z055.554.N			
Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino			

FRESE HW A RAGGIO CONVESSO CON CUSCINETTO Z=2 ART. WC125

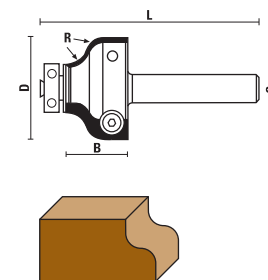


Con coltellini "Reversibili"



S Ø 8	D	B	R	L
WC125.260.R	26	12,7	6	55
Z050.003.N	Z055.555.N			
Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino			

FRESE HW A DOPPIO RAGGIO CON CUSCINETTO Z=2 ART. WC129



Con coltellini "Reversibili"



S Ø 8	D	B	R	L
WC129.260.R	26	15,7	4,5	55
Z050.003.N	Z055.556.N			
Z051.503.N Vite cuscinetto	Z051.501.R Vite coltellino			

CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "RIFILI-INCASTRI BASE"

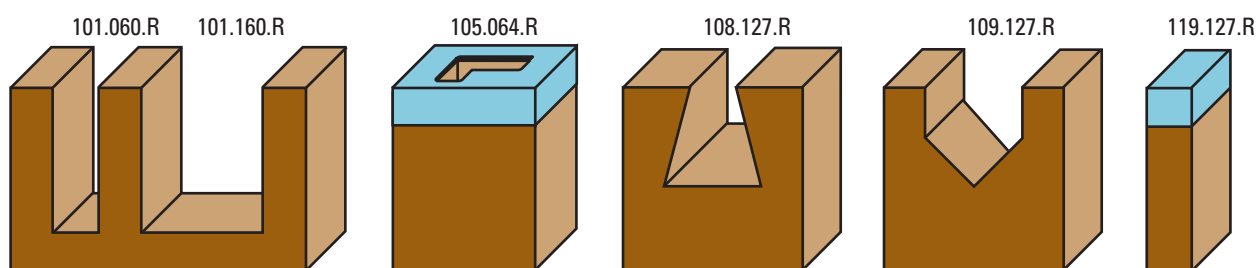
ART. X001



- Set completo di nr. 6 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali, per rifilare e per fare scritte.

Articolo

X001.006.R (S Ø 6)	X001.064.R (Ø 6,4 (1/4"))	X001.008.R (S Ø 8)
Set composto da 6 pz.:	Set composto da 6 pz.:	Set composto da 6 pz.:
A101.060.R	B101.064.R	C101.060.R
A101.160.R	B101.160.R	C101.160.R
A105.064.R	B105.064.R	C105.064.R
A108.127.R	B108.127.R	C108.127.R
A109.127.R	B109.127.R	C109.127.R
A119.127.R	B119.127.R	C119.127.R



Scala 1:1

CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "MODANATURA BASE"

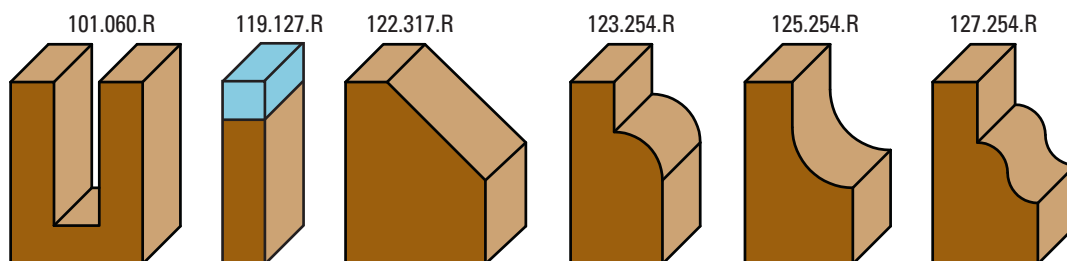
ART. X002



- Set completo di nr. 6 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali, per rifilare e per modanature dei bordi.

Articolo

X002.006.R (S Ø 6)	X002.064.R (Ø 6,4 (1/4"))	X002.008.R (S Ø 8)
Set composto da 6 pz.:	Set composto da 6 pz.:	Set composto da 6 pz.:
A101.060.R	B101.064.R	C101.060.R
A119.127.R	B119.127.R	C119.127.R
A122.317.R	B122.317.R	C122.317.R
A123.254.R	B123.254.R	C123.254.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scala 1:1

CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "CANALI BASE"

ART. X003



- Set completo di nr. 6 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali.

Articolo

X003.006.R (S Ø 6) **NEW**

X003.064.R (Ø 6,4 (1/4")) **NEW**

X003.008.R (S Ø 8) **NEW**

Set composto da 6 pz.:

Set composto da 6 pz.:

Set composto da 6 pz.:

A101.030.R

B101.030.R

C101.030.R

A101.040.R

B101.040.R

C101.040.R

A101.060.R

B101.060.R

C101.060.R

A101.080.R

B101.080.R

C101.080.R

A103.100.R

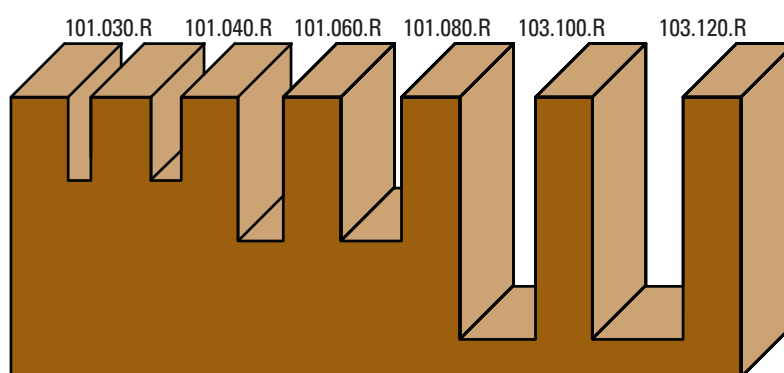
B103.100.R

C103.100.R

A103.120.R

B103.120.R

C103.120.R



Scala 1:1

CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "RAGGI BASE"

ART. X011



- Set completo di nr. 6 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per raggi.

Articolo

X011.006.R (S Ø 6) **NEW**

X011.064.R (Ø 6,4 (1/4")) **NEW**

X011.008.R (S Ø 8) **NEW**

Set composto da 6 pz.:

Set composto da 6 pz.:

Set composto da 6 pz.:

A123.167.R

B123.167.R

C123.167.R

A123.187.R

B123.187.R

C123.187.R

A123.207.R

B123.207.R

C123.207.R

A123.227.R

B123.227.R

C123.227.R

A123.247.R

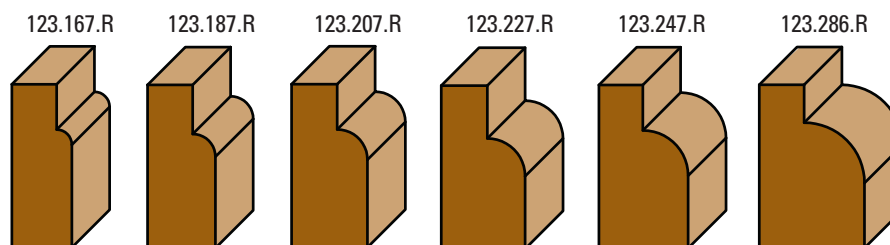
B123.247.R

C123.247.R

A123.286.R

B123.286.R

C123.286.R



Scala 1:1

CASSETTA DA 6 PEZZI IN HW ASSORTIMENTO "INCASTRI BASE"

ART. X012



- Set completo di nr. 6 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali e incastri.

Articolo

X012.006.R (S Ø 6) **NEW**

Set composto da 6 pz.:

A101.060.R

A102.080.R

A108.064.R

A108.095.R

A108.150.R

A108.190.R

X012.064.R (Ø 6,4 (1/4")) **NEW**

Set composto da 6 pz.:

B101.060.R

B102.080.R

B108.064.R

B108.095.R

B108.150.R

B108.190.R

X012.008.R (S Ø 8) **NEW**

Set composto da 6 pz.:

C101.060.R

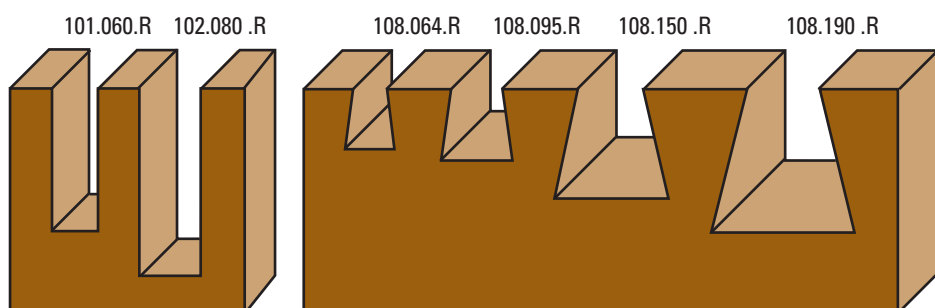
C102.080.R

C108.064.R

C108.095.R

C108.150.R

C108.190.R



Scala 1:1

CASSETTA DA 12 PEZZI IN HW ASSORTIMENTO "STANDARD"

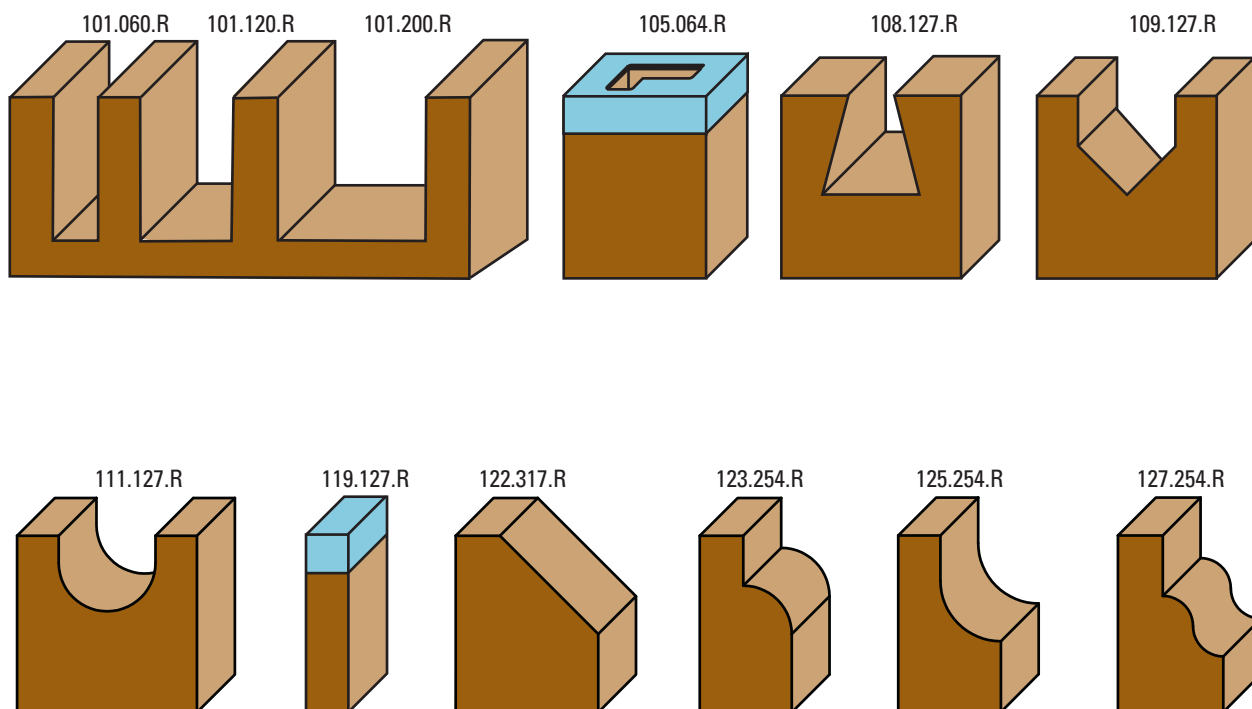
ART. X005



- Set completo di nr. 12 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali, per rifilare, per fare scritte e modanature dei bordi.

Articolo

X005.006.R (S Ø 6)	X005.064.R (Ø 6,4 (1/4"))	X005.008.R (S Ø 8)
Set composto da 12 pz.:	Set composto da 12 pz.:	Set composto da 12 pz.:
A101.060.R	B101.064.R	C101.060.R
A101.120.R	B101.127.R	C101.120.R
A101.200.R	B101.190.R	C101.200.R
A105.064.R	B105.064.R	C105.064.R
A108.127.R	B108.127.R	C108.127.R
A109.127.R	B109.127.R	C109.127.R
A111.127.R	B111.127.R	C111.127.R
A119.127.R	B119.127.R	C119.127.R
A122.317.R	B122.317.R	C122.317.R
A123.254.R	B123.254.R	C123.254.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scala 1:1

CASSETTA DA 12 PEZZI IN HW ASSORTIMENTO "CANALI AVANZATO"

ART. X006



- Set completo di nr. 12 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali.

Articolo

X006.006.R (S Ø 6) **NEW**

X006.064.R (Ø 6,4 (1/4")) **NEW**

X006.008.R (S Ø 8) **NEW**

Set composto da 12 pz.:

Set composto da 12 pz.:

Set composto da 12 pz.:

A101.030.R

B101.030.R

C101.030.R

A101.040.R

B101.040.R

C101.040.R

A101.060.R

B101.060.R

C101.060.R

A101.080.R

B101.080.R

C101.080.R

A101.100.R

B101.100.R

C101.100.R

A101.120.R

B101.120.R

C101.120.R

A102.060.R

B102.060.R

C102.060.R

A102.080.R

B102.080.R

C102.080.R

A102.100.R

B102.100.R

C102.100.R

A103.080.R

B103.080.R

C103.080.R

A103.100.R

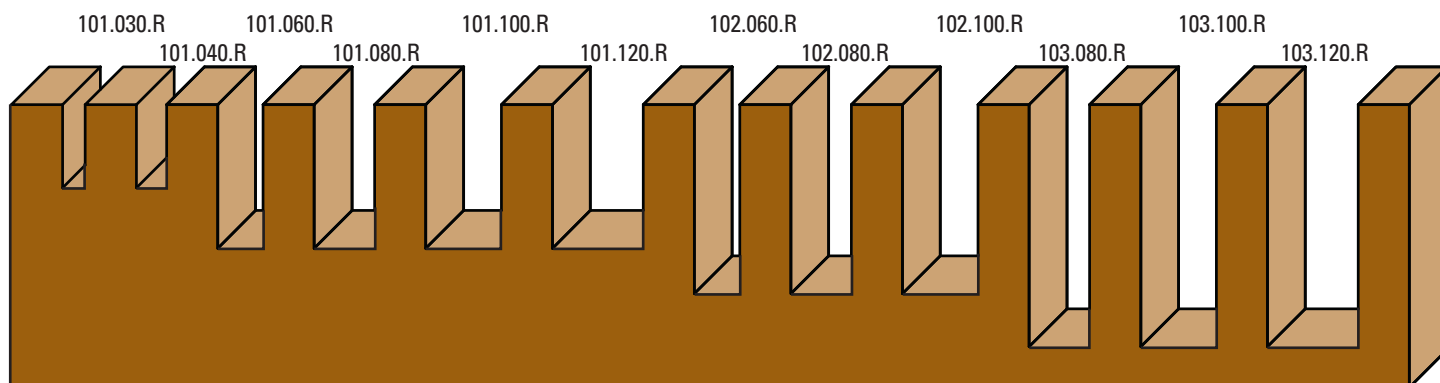
B103.100.R

C103.100.R

A103.120.R

B103.120.R

C103.120.R



Scala 1:1

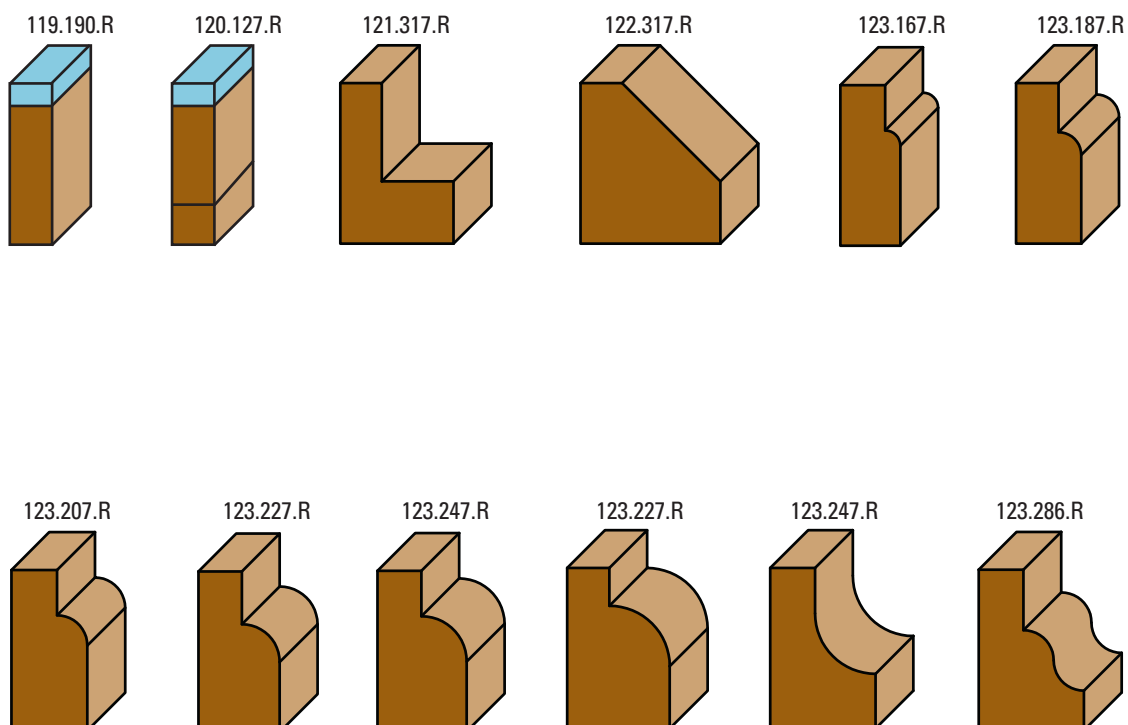
CASSETTA DA 12 PEZZI IN HW ASSORTIMENTO "MODANATURE AVANZATO"

ART. X007



- Set completo di nr. 12 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per rifilare e modanature dei bordi.

Articolo		
X007.006.R (S Ø 6) NEW	X007.064.R (Ø 6,4 (1/4")) NEW	X007.008.R (S Ø 8) NEW
Set composto da 12 pz.:	Set composto da 12 pz.:	Set composto da 12 pz.:
A119.190.R	B119.190.R	C119.190.R
A120.127.R	B120.127.R	C120.127.R
A121.317.R	B121.317.R	C121.317.R
A122.317.R	B122.317.R	C122.317.R
A123.167.R	B123.167.R	C123.167.R
A123.187.R	B123.187.R	C123.187.R
A123.207.R	B123.207.R	C123.207.R
A123.227.R	B123.227.R	C123.227.R
A123.247.R	B123.247.R	C123.247.R
A123.286.R	B123.286.R	C123.286.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scala 1:1

CASSETTA DA 12 PEZZI IN HW ASSORTIMENTO "INCASTRI AVANZATO"

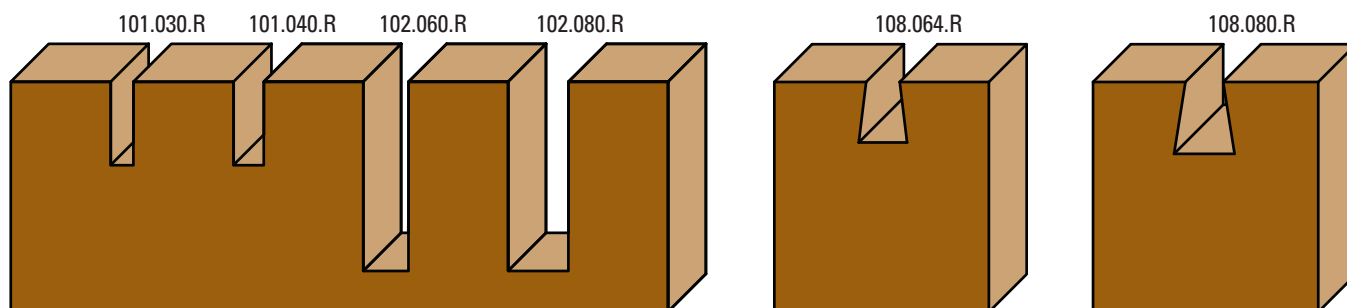
ART. X008



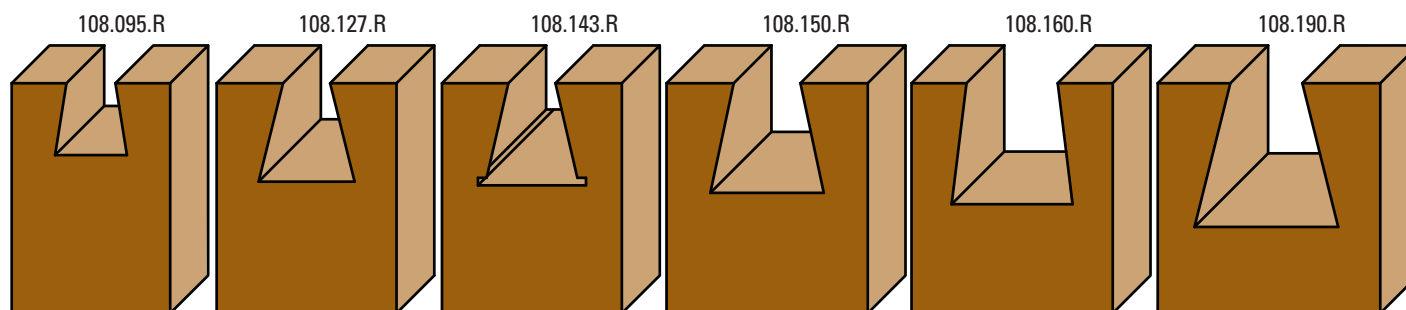
- Set completo di nr. 12 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali e incastri.

Articolo

X008.006.R (S Ø 6) NEW	X008.064.R (Ø 6,4 (1/4")) NEW	X008.008.R (S Ø 8) NEW
Set composto da 12 pz.:	Set composto da 12 pz.:	Set composto da 12 pz.:
A101.030.R	B101.030.R	C101.030.R
A101.040.R	B101.040.R	C101.040.R
A102.060.R	B102.060.R	C102.060.R
A102.080.R	B102.080.R	C102.080.R
A108.064.R	B108.064.R	C108.064.R
A108.080.R	B108.080.R	C108.080.R
A108.095.R	B108.095.R	C108.095.R
A108.127.R	B108.127.R	C108.127.R
A108.143.R	B108.143.R	C108.143.R
A108.150.R	B108.150.R	C108.150.R
A108.160.R	B108.160.R	C108.160.R
A108.190.R	B108.190.R	C108.190.R



Scala 1:1



Scala 1:1

CASSETTA DA 12 PEZZI IN HW ASSORTIMENTO "RAGGI AVANZATO"

ART. X013



- Set completo di nr. 12 frese in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per raggi.

Articolo

X013.006.R (S Ø 6) **NEW**

Set composto da 12 pz.:

A123.160.R

A123.167.R

A123.187.R

A123.190.R

A123.207.R

A123.222.R

A123.227.R

A123.247.R

A123.254.R

A123.286.R

A123.318.R

A123.327.R

X013.064.R (Ø 6,4 (1/4")) **NEW**

Set composto da 12 pz.:

B123.160.R

B123.167.R

B123.187.R

B123.190.R

B123.207.R

B123.222.R

B123.227.R

B123.247.R

B123.254.R

B123.286.R

B123.318.R

B123.327.R

X013.008.R (S Ø 8) **NEW**

Set composto da 12 pz.:

C123.160.R

C123.167.R

C123.187.R

C123.190.R

C123.207.R

C123.222.R

C123.227.R

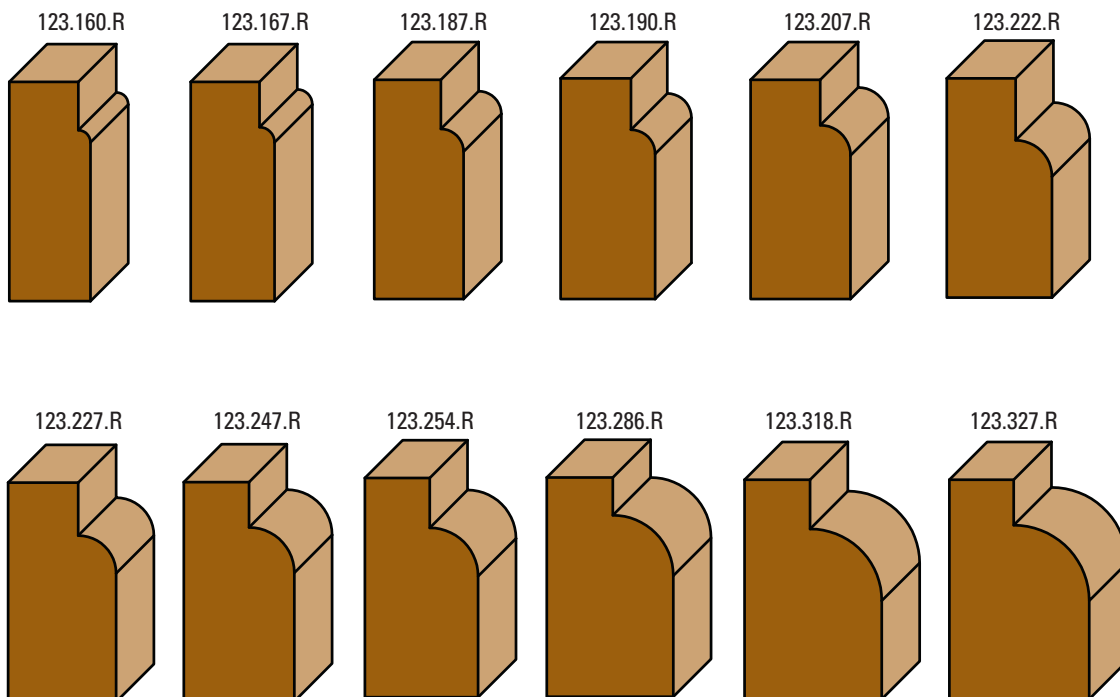
C123.247.R

C123.254.R

C123.286.R

C123.318.R

C123.327.R



Scala 1:1

SET FRESE HW A COLTELLI REVERSIBILI ASSORTIMENTO "BASE"

ART. XWC



- Set completo di nr. 6 frese S=8 in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per canali, per rifilare o per fare scritte.

Articolo

XWC.001.R

Set composto da 6 pz.:

WC101.120.R

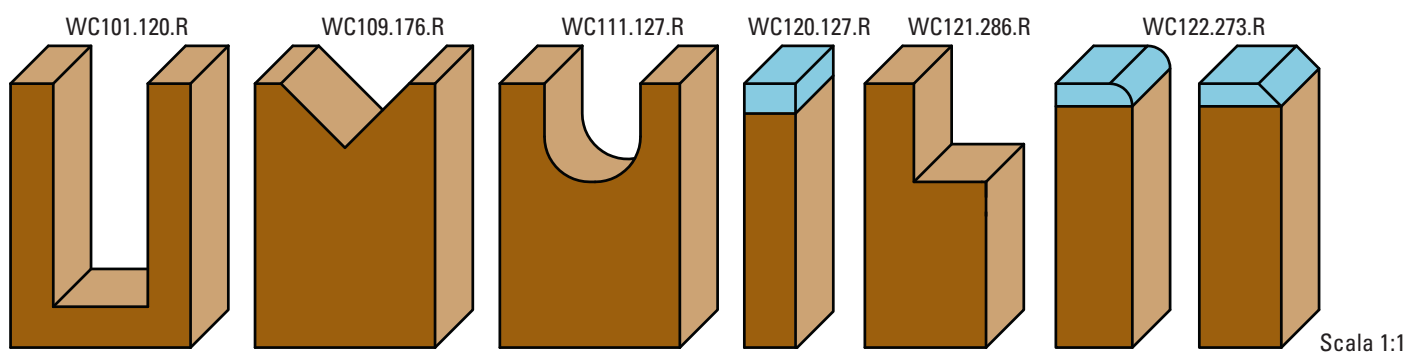
WC109.176.R

WC111.127.R

WC120.127.R

WC121.286.R

WC122.273.R



SET FRESE HW A COLTELLI REVERSIBILI ASSORTIMENTO "AVANZATO"

ART. XWC



- Set completo di nr. 6 frese S=8 in HW più comuni, proposte in una pratica e robusta cassetta in legno.
- Ideale per avere sempre la fresa giusta per rifilare e per la modanatura dei bordi.

Articolo

XWC.002.R

Set composto da 6 pz.:

WC120.127.R

WC121.286.R

WC122.273.R

WC123.260.R

WC125.260.R

WC129.260.R

