

PANTOGRAFATURA
ROUTING
SCHAFT-FRÄSWERZEUGE
PANTOGRAPHE
КОНЦЕВЫЕ ФРЕЗЫ



4

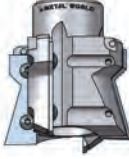
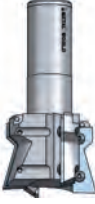


ROUTING

				
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ROUTING

				
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ROUTING

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PS01

HW Router bits with simple profile



Costruite con corpo in acciaio bonificato • Dotate di placchette in HW • Utilizzate su macchine pantografo tradizionali o CNC • Per eseguire profili sagomati semplici • Attacco cilindrico

Profiled router bits with hardened and tempered steel • HW tips • To use on routers or CNC router machines • To execute simple geometrical shapes • Cylindrical shank

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

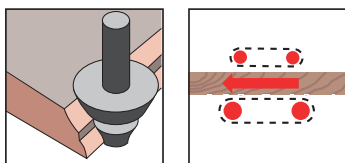
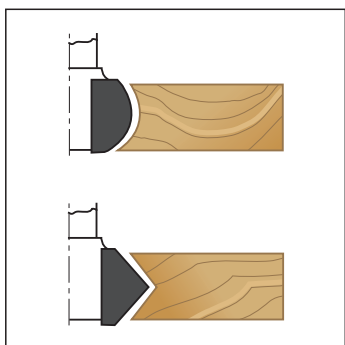
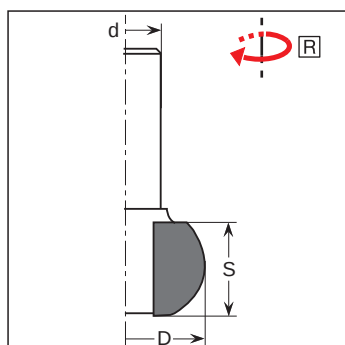
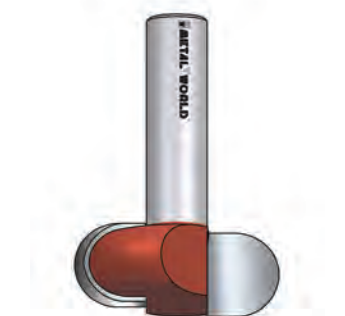
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	S	Code
20	15	△ PS01M02015AR
20	20	△ PS01M02020AR
40	20	△ PS01M04020AR
40	25	△ PS01M04025AR
40	30	△ PS01M04030AR
40	35	△ PS01M04035AR
40	40	△ PS01M04040AR
40	45	△ PS01M04045AR
40	50	△ PS01M04050AR
60	20	△ PS01M06020AR
60	25	△ PS01M06025AR
60	30	△ PS01M06030AR
60	35	△ PS01M06035AR
60	40	△ PS01M06040AR
60	45	△ PS01M06045AR
60	50	△ PS01M06050AR
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80	25	△ PS01M08025AR
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80	40	△ PS01M08040AR
80	45	△ PS01M08045AR
80	50	△ PS01M08050AR
100	20	△ PS01M10020AR
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100	30	△ PS01M10030AR
100	35	△ PS01M10035AR
100	40	△ PS01M10040AR
100	45	△ PS01M10045AR
100	50	△ PS01M10050AR
Spec.		PS01M99



Punte per pantografo
sagomate a profilo complesso



Sonder - Profilfräser
(komplex Profile)



Mèches avec profil complex



Фрезы профильные
напайные (сложный
профиль)

PS02

HW Router bits with complex profile

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

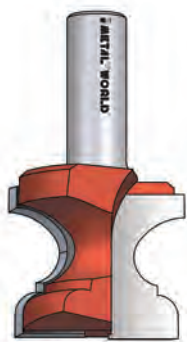
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Costruite con corpo in acciaio bonificato • Dotate di placchette in HW • Utilizzate su macchine pantografo tradizionali o CNC • Per eseguire profili sagomati complessi • Attacco cilindrico

Profiled router bits with hardened and tempered steel • HW tips • To use on routers or CNC router machines • To execute complex geometrical shapes • Cylindrical shank

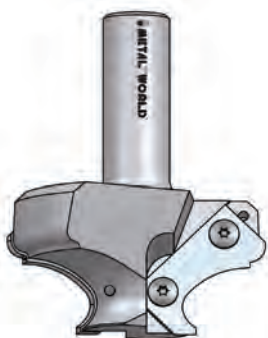
Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	S	Code
20	15	△ PS02M02015AR
20	20	△ PS02M02020AR
40	20	△ PS02M04020AR
40	25	△ PS02M04025AR
40	30	△ PS02M04030AR
40	35	△ PS02M04035AR
40	40	△ PS02M04040AR
40	45	△ PS02M04045AR
40	50	△ PS02M04050AR
60	20	△ PS02M06020AR
60	25	△ PS02M06025AR
60	30	△ PS02M06030AR
60	35	△ PS02M06035AR
60	40	△ PS02M06040AR
60	45	△ PS02M06045AR
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100	20	△ PS02M10020AR
100	25	△ PS02M10025AR
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100	35	△ PS02M10035AR
100	40	△ PS02M10040AR
100	45	△ PS02M10045AR
100	50	△ PS02M10050AR
Spec.		PS02M99

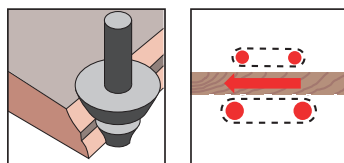
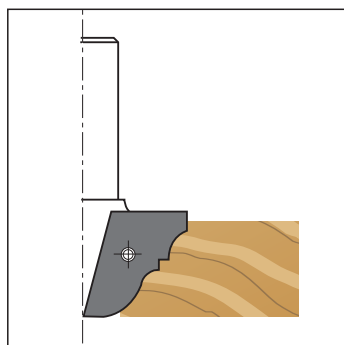
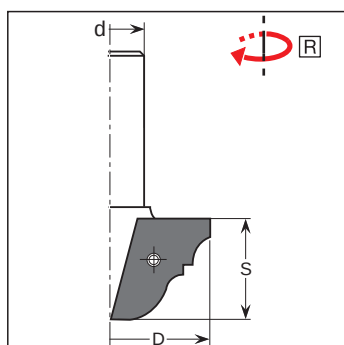
PTS2

HW Profiled router bits



Costruite con corpo in acciaio bonificato • Dotate di 2 coltelli in HW a fissaggio meccanico • Indicate per lavorazioni su pantografi tradizionali o CNC • Attacco cilindrico

Profiled router bits with steel hardened and tempered body • 2 turnover knives in HW • To use on CNC • Cylindrical or CM2 shank



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	S	Code
40	20	△ PTS2M04020AR
40	25	△ PTS2M04025AR
40	30	△ PTS2M04030AR
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60	25	△ PTS2M06025AR
60	30	△ PTS2M06030AR
60	35	△ PTS2M06035AR
60	40	△ PTS2M06040AR
60	50	△ PTS2M06050AR
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80	35	△ PTS2M08035AR
80	40	△ PTS2M08040AR
80	50	△ PTS2M08050AR
100	20	△ PTS2M10020AR
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100	30	△ PTS2M10030AR
100	35	△ PTS2M10035AR
100	40	△ PTS2M10040AR
100	50	△ PTS2M10050AR
Spec.		PTS2M99

NOTE

Il prezzo include una chiave di regolazione.
Price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Coltelli
sagomati



Profilmesser



Plaquettes profilées



Ножи профильные

CS

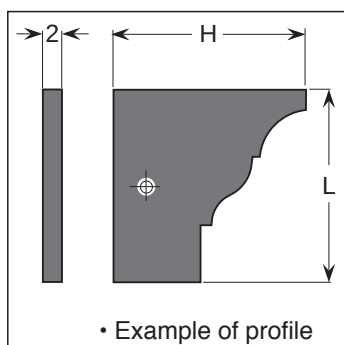
HW Profile turnover knives



Coltelli sagomati in HW • Disponibili in diverse misure • Da applicare su teste e punte portacoltelli (art. TS e TPS)

HW profiled turnover knifeT • Available in different size • To mount on cutterheads TS and P4

● = Ready in stock ■ = Delivery time 20 working days △ = On request



L	H	Code					
20	20	■ CS00M2020AAA					
20	25	■ CS00M2025AAA					
20	30	■ CS00M2030AAA					
20	35	■ CS00M2035AAA					
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80	40	■ CS00M8040AAA					

Spec. CS00M99

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

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BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

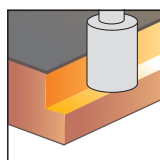
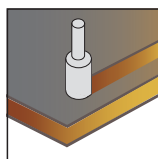
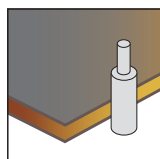
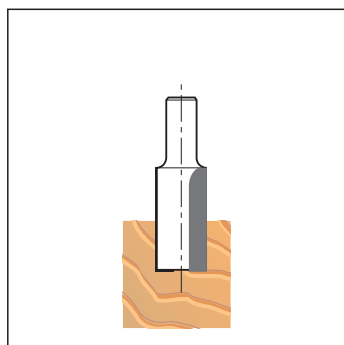
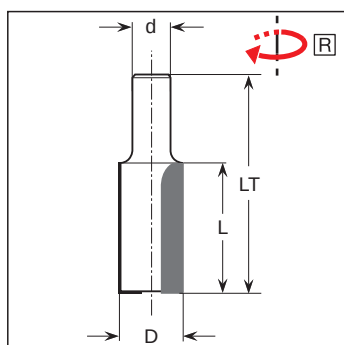
P240

HW Router bits



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti HW radiali • 1 tagliente HW per taglio frontale • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 2 HW teeth and 1 HW bottom cut with bottom side clearance angle • Ground shank • Use on CNC or standard router machines • For grooving, jointing, rabbeting and plunge cutting on solid wood, wood composites, laminate and such



Z2+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
8	25	55	10X20	● P240M082510R
10	25	55	10X20	● P240M102510R
10	30	60	10X20	■ P240M103010R
12	30	60	12X20	● P240M123012R
14	30	60	12X20	● P240M143012R
14	35	65	12X20	■ P240M143512R
16	35	65	12X20	● P240M163512R
18	35	65	12X20	● P240M183512R
18	40	70	12X20	■ P240M184012R
20	40	70	12X20	● P240M204012R
25	40	70	12X20	■ P240M254012R
25	45	75	12X20	● P240M254512R
30	40	70	12X20	● P240M304012R
30	45	75	12X20	■ P240M304512R
35	40	70	12X20	● P240M354012R
35	45	75	12X20	■ P240M354512R
40	40	70	12X20	■ P240M404012R
40	45	75	12X20	■ P240M404512R

Left Spec.	P240M99L
Right Spec.	P240M99R

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per pantografo

Nut-Schaftfräser

Mèches à défoncer

Пазовые фрезы

P255**HS Router bits**

Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti radiali in HS • 1 tagliente in acciaio per taglio frontale
 • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati

Obtained from steel with a high mechanical resistance • 2 HS teeth • 1 HS bottom cut • Bottom side clearance angle • Ground shank • Use on CNC or standard router machines • Indicated for grooving, jointing, rabbeting and plunge cutting solid wood, wood composites

Z2+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
5	11	44	6	■ P255S051106R
5	17	55	8	■ P255S051708R
6	16	44	6	■ P255S061606R
6	17	55	8	■ P255S061708R
6	30	58	6	■ P255S063006R
7	17	55	8	■ P255S071708R
7	20	48	8	■ P255S072008R
8	20	48	6	■ P255S082006R
8	20	55	8	■ P255S082008R
8	30	58	6,35	■ P255S083006R
10	20	48	6	■ P255S102006R
10	20	60	8	■ P255S102008R
10	30	58	6,35	■ P255S103006R
12	20	48	6	■ P255S122006R
12	20	60	8	■ P255S122008R
12	30	58	6,35	■ P255S123006R
14	20	48	6,35	■ P255S142006R
14	20	60	8	■ P255S142008R
15	20	48	6,35	■ P255S152006R
15	20	60	8	■ P255S152008R
16	20	48	6,35	■ P255S162006R
16	20	70	8	■ P255S162008R
18	20	48	8	■ P255S182008R
18	20	70	8	■ P255S182070R
20	20	48	6,35	■ P255S202006R
20	20	70	8	■ P255S202008R
24	10	70	8	■ P255S241008R
24	16	44	6,35	■ P255S241606R
25	16	44	6,35	■ P255S251606R
30	16	44	6,35	■ P255S301606R

Left Spec.				P255S99L
Right Spec.				P255S99R

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
 Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

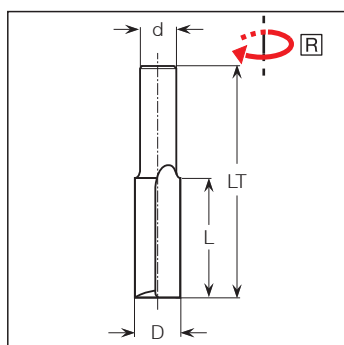
P254

HWM Router bits in massiv carbide



Ottenute da HW integrale • 2 taglianti • Spoglia frontale • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from massiv carbide • 2 teeth • Bottom side clearance angle • Ground shank • Use on CNC or standard router machines • Indicated for grooving, jointing, rabbeting and plunge cutting solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
2,5	10	42	10	● P254M021010R
3	10	42	10	● P254M031010R
4	13	45	10	● P254M041310R
5	15	47	10	● P254M051510R
6	17	50	10	● P254M061710R
7	22	55	10	● P254M072210R
8	24	60	10	● P254M082410R
9	25	60	10	● P254M092510R
10	27	65	10	● P254M102710R
12	30	70	12	● P254M123012R

Left Spec.				P254M99L
Right Spec.				P254M99R

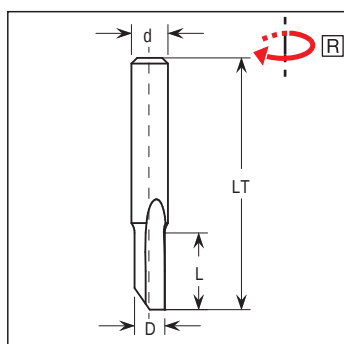
P254S

HS Router bits



Ottenute da acciaio di elevata resistenza meccanica • 1 tagliante radiali in HS • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati

Obtained from steel with a high mechanical resistance • 1 HS tooth • Ground shank • Use on CNC or standard router machines • Indicated for grooving, jointing, rabbeting and plunge cutting solid wood, wood composites



Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
2	5	38	6	■ P254S020506R
3	8	41	6	■ P254S030806R
4	9	42	6	■ P254S040906R
5	11	44	6,35	■ P254S051163R

Spec.				
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■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.



Punte portacoltelli
per pantografo

Oberfräser
mit Wendeplatte

Mèches à défoncer
à plaquettes réversibles

Фрезы со
сменными ножами

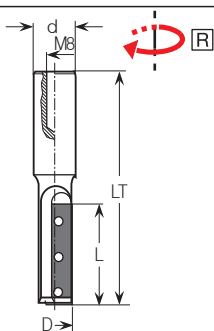
P492

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli in HW a fissaggio meccanico: 1 per forare e 1 per contornare • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili.

Obtained from steel with a high mechanical resistance • 1 knife for plunge cutting • 1 knife for cutting on edge • Ground shank • Use on CNC or standard router machine • Indicated for grooving, rabbeting solid wood, wood composites, laminated and such



Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	30	96	20	■ P492M163020R
16	50	106	20	● P492M165020R
18	30	96	20	■ P492M183020R
18	50	106	20	● P492M185020R

Left Spec.				P492M99L
Right Spec.				P492M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	29,5X5,5X1,1	● C035M29555AA
Reversible knife	49,5X5,5X1,1	● C035M49555AA
Reversible knife	12X12X1,5	● C020M12012AA
Clamping wedge	29X9X3,7	● ETASS49029
Clamping wedge	49X9X3,7	● ETASS49049
Screw	M4X6X7	● WV008
Knife screw	M4X6X9	● WV005
"T" Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

P504

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives • Ground shank • Use on CNC or standard router machines • Indicated to cut on edge solid wood, wood composites, laminated and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	d	Code
30	30	20	● P504M303020R
30	50	20	■ P504M305020R
40	40	20	● P504M404020R
40	50	20	● P504M405020R
50	30	20	● P504M503020R
50	50	20	■ P504M505020R

Left Spec.	P504M99L
Right Spec.	P504M99R

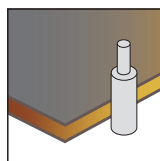
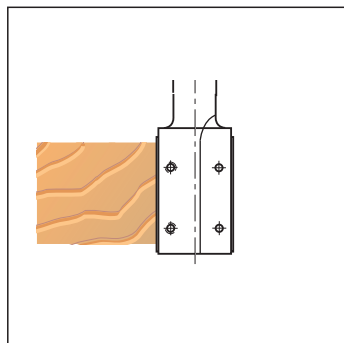
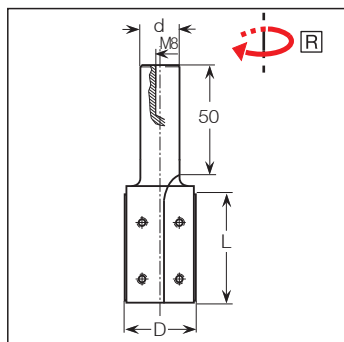
SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	50X12X1,5	● C020M50012AB
Clamping wedge (30X30)	8X8X26	● ETASS268
Clamping wedge (30X50)	8X8X46	● ETASS468
Clamping wedge	10X10X26	● ETASS26
Clamping wedge	10X10X46	● ETASS46
Flat and screw	M6X8	● WV001
"T" allen key	3	● ACHET03AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

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CUTTING

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ROUTING

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MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte portacoltelli
per pantografo

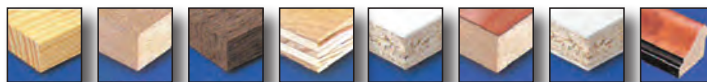
Oberfräser
mit Wendeplatte

Mèches à défoncer
à plaquettes réversibles

Фрезы со
сменными ножами

P506

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW • 2 rasanti HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 HW knife • 2 HW spurs • Ground shank • Use on CNC or standard router machine • Indicated to cut on edge solid wood, wood composites, laminated and such

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

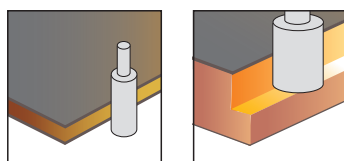
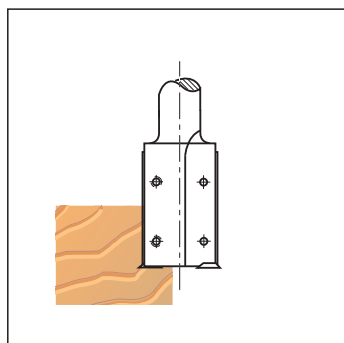
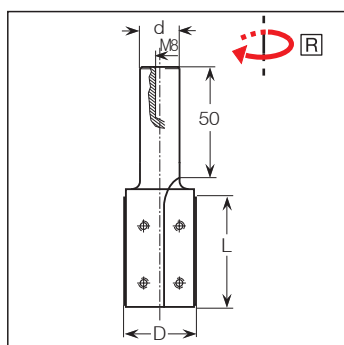
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Z2+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	d	Code
40	30	20	■ P506M403020R
40	50	20	● P506M405020R
50	30	20	■ P506M503020R
50	50	20	● P506M505020R

Left Spec.	P506M99L
Right Spec.	P506M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	50X12X1,5	● C020M50012AB
ENG-rasante	14X14X2	● C040M14020AA
Clamping wedge	26X10X10	● ETASS26
Clamping wedge	46X10X10	● ETASS46
Flat and screw	M6X8	● WV001
Spur screw	M5X8	● WV013
"T" allen key	3	● ACHET03AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include 2 chiavi di regolazione.
The price included 2 screwdrivers.

Chipboard 16000 RPM

Dimensions	Work thickness
40X30	H10 mm (12 m/min)
50X50	H40 mm (9 m/min)

MDF – Wood RPM 16000

Dimensions	Work thickness
40X30	H10 mm (8 m/min)
50X50	H40 mm (6 m/min)

The data are indicative only, MW is not responsible for any incorrect application

P522**HW Router bits with reversible knives**

Ottenute da acciaio di elevata resistenza meccanica • 1 coltelli HW • 1 coltello HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 1 knife for cutting on edge • Ground shank • Use on CNC or standard router machines to cut on edge and make dividing cuts on solid wood, wood composites, laminated and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	30	92	20	● P522M163020R
16	50	112	20	■ P522M165020R
18	30	92	20	■ P522M183020R
18	50	112	20	● P522M185020R
20	30	92	20	● P522M203020R
20	50	112	20	● P522M205020R

Left Spec. P522M99L
Right Spec. P522M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	50X12X1,5	● C020M50012AB
Clamping wedge (D.16)	28X9,5X2,6	● STASS52227V
Clamping wedge (D.16)	48X9,5X2,6	● ETASS52048
Clamping wedge (D.18-20)	28X9,5X3,5	● ETASS52228
Clamping wedge (D.18-20)	48X9,5X3,5	● ETASS52248
Screw (D.16)	M4X10X7	● WV024
Screw (D.18-20)	M4X12X7	● WV018
"T" Torx key	T15	● ACHTT15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Chipboard 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (7 m/min)	H20 mm (6 m/min)
20X50	H30 mm (5,5 m/min)	H45 mm (5 m/min)

MDF – WOOD 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (6 m/min)	H20 mm (4,5 m/min)
20X50	H30 mm (4,5 m/min)	H45 mm (4,0 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte portacoltelli
per pantografo

Oberfräser
mit Wendeplatte

Mèches à défoncer
à plaquettes réversibles

Фрезы со
сменными ножами

P532

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli a fissaggio meccanico: 1 per forare e 1 per contornare
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • HW knife for plunge cutting • 2 HW knife for cutting on edge • Ground shank • Use on CNC or standard router machine • Indicated for boring and cutting solid wood, wood composites, laminated and such

Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	30	99	20	■ P532M163020R
16	50	115	20	● P532M165020R
18	30	99	20	■ P532M183020R
18	50	115	20	● P532M185020R
20	30	99	20	● P532M203020R
20	50	115	20	● P532M205020R

Left Spec.	P532M99L
Right Spec.	P532M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	50X12X1,5	● C020M50012AB
Knife	8X10X1,5	● CT53016R
Knife	9X10X1,5	● CT53018R
Knife	10X10X1,5	● CT53020R
Clamping wedge (D. 16)	28X9,5X2,6	● ETASS52028
Clamping wedge (D. 16)	48X9,5X2,6	● ETASS52048
Clamping wedge (D. 18-20)	28X9,5X3,5	● ETASS52228
Clamping wedge (D. 18-20)	48X9,5X3,5	● ETASS52248
Screw (D.16)	M4X10X7	● WV024
Screw (D.18-20)	M4X12X7	● WV018
Knife screw	M4X4X7	● WV022
"T" Torx key	T15	● ACHTT15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Chipboard 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (7 m/min)	H20 mm (6 m/min)
20X50	H30 mm (5,5 m/min)	H45 mm (5 m/min)

MDF – WOOD 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (6 m/min)	H20 mm (4,5 m/min)
20X50	H30 mm (4,5 m/min)	H45 mm (4,0 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



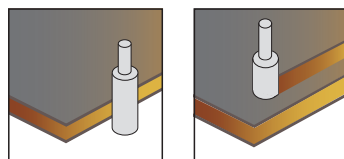
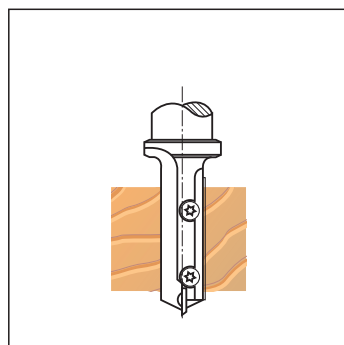
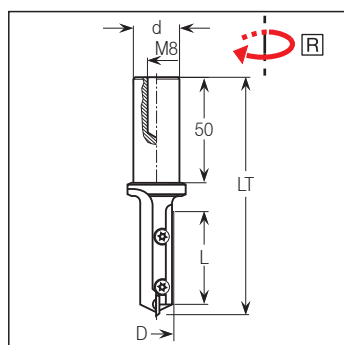
P542

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico: 1 per fori passanti e 1 per contornare • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 1 HW knife for plunge cutting • 1 HW knife for cutting on edge • Ground shank • Use on CNC or standard router machines • Indicated for grooving and cutting on edge solid wood, wood composites, laminated and such



Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	30	104,5	20	■ P542M163020R
16	50	118,5	20	● P542M165020R
18	30	105	20	■ P542M183020R
18	50	119	20	● P542M185020R
20	30	105,5	20	■ P542M203020R
20	50	119,5	20	● P542M205020R

Left Spec.

P542M99L

Right Spec.

P542M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	50X12X1,5	● C020M50012AB
Knife	8X12,6X1,5	● CT54016R
Knife	9X13,2X2,6	● CT54018R
Knife	10X13,8X1,5	● CT54020R
Clamping wedge (D. 16)	28X9,5X2,6	● ETASS52028
Clamping wedge (D. 16)	48X9,5X2,6	● ETASS52048
Clamping wedge (D. 18-20)	28X9,5X3,5	● ETASS52228
Clamping wedge (D. 18-20)	48X9,5X3,5	● ETASS52248
Screw (D.16)	M4X10X7	● WV024
Screw (D.18-20)	M4X12X7	● WV018
Knife screw	M4X4X7	● WV022
"T" Torx key	T15	● ACHTT15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Chipboard 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (7 m/min)	H20 mm (6 m/min)
20X50	H30 mm (5,5 m/min)	H45 mm (5 m/min)

MDF – WOOD 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (6 m/min)	H20 mm (4,5 m/min)
20X50	H30 mm (4,5 m/min)	H45 mm (4,0 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte portacoltelli
per pantografo

Oberfräser
mit Wendeplatte

Mèches à défoncer
à plaquettes réversibles

Фрезы со
сменными ножами

P552

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 1 coltello HW per forare • 1 o 2 coltelli HW per contornare a fis-saggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 1 HW knife for plunge cutting • 1 or 2 HW knife for cutting on edge • Ground shank • Use on CNC or standard router machines • Indicated for grooving, cutting on edge solid wood, wood composites, laminated and such

L=30 Z1+1 L=50 Z1+1+1 ● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	30	95	20	● P552M163020R
16	50	115	20	● P552M165020R
18	30	95	20	● P552M183020R
18	50	115	20	● P552M185020R
20	30	95	20	● P552M203020R
20	50	115	20	● P552M205020R

Left Spec.				P552M99L
Right Spec.				P552M99R

SPARE PARTS

Type	Dimensions	Code
Reversible knife	30X12X1,5	● C020M30012AB
Reversible knife	29,5X12X1,5	● C025M29512AB
Reversible knife	7,5X12X1,5	● C020M07512AA
Screw	M4X4X9	● WV021
Knife screw	M4X4X7	● WV022
"T" Torx key	T15	● ACHTT15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Chipboard 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (7 m/min)	H20 mm (6 m/min)
20X50	H30 mm (5,5 m/min)	H45 mm (5 m/min)

MDF – WOOD 18000 RPM

Dimensions	Work thickness	Work thickness
18X30	H15 mm (6 m/min)	H20 mm (4,5 m/min)
20X50	H30 mm (4,5 m/min)	H45 mm (4,0 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



P900

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 1 coltelli HW • 1 coltello HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 1 knife for cutting on edge • Ground shank • Use on CNC or standard router machines to cut on edge and make dividing cuts on solid wood, wood composites, laminated and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
12	50	95	12X40	■ P900MA12050R
12,7	50	95	12X40	■ P900MA12750R
14	50	95	12X40	■ P900MA14050R
Spec.		P900M99		

SPARE PARTS

Type	Dimensions	Code
Reversible knife	49,5X9X1,5 mm, 4-sided	● C016M49509AA
Wedge	L=47	● ETASS900AAAA
Torx clamping screw	M3,5X7	● WV003
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

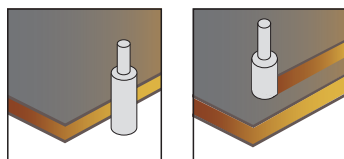
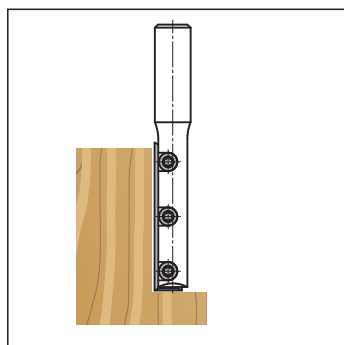
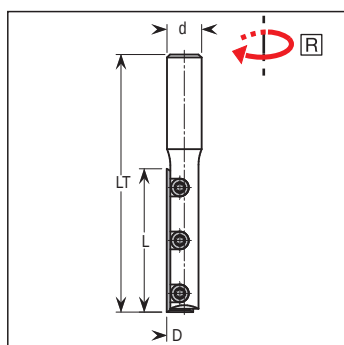
Chipboard 18000 RPM

Dimensions	Work thickness	Work thickness
12X50	H25 mm (4 m/min)	H40 mm (3 m/min)

MDF – WOOD 18000 RPM

Dimensions	Work thickness	Work thickness
12X50	H25 mm (3 m/min)	H40 mm (2 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte porta coltelli
per pantografo

Oberfräser
mit Wendeplatte

Mèches à defoncer
à plaquettes

Фрезы со
сменными ножами

P901

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 1 coltelli HW • 1 coltello HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 1 knife for cutting on edge • Ground shanL • Use on CNC or standard router machines to cut on edge and make dividing cuts on solid wood, wood composites, laminated and sucl

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
8	20	70	10X40	■ P901MB08020R
9	20	70	10X40	■ P901MB09020R
10	25	75	10X40	■ P901MB10025R
12	30	80	10X40	■ P901MB12030R
8	20	70	12X40	■ P901MC08020R
10	25	75	12X40	■ P901MC10025R
12	30	80	12X40	■ P901MC12030R
14	30	80	12X40	■ P901MC14030R
16	50	100	12X40	■ P901MC16050R
				■

Spec.

P901M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

SPARE PARTS

Type	Dimensions	Code
Reversible knife	20X4,1X1,1 mm, for D= 8/9/9,52 mm	■ C901M20041AA
Reversible knife	20X5,5X1,1 mm, for D=10/12 mm	■ C901M20055AA
Reversible knife	25X5,5X1,1 mm, for D=10/11 mm	■ C901M25055AA
Reversible knife	30X5,5X1,1 mm, for D=12-14 mm	■ C901M30055AA
Reversible knife	50X5,5X1,1 mm, for D=16 mm	■ C901M50055AA
Clamping wedge	8/9/9,52X20 mm	■ ETASS901AAAA
Clamping wedge	10X20 mm	■ ETASS901AAAB
Clamping wedge	10/11X25 mm	■ ETASS901AAAC
Clamping wedge	12X20 mm	■ ETASS901AAAD
Clamping wedge	12/12,7X30 mm	■ ETASS901AAAE
Clamping wedge	14X30 mm	■ ETASS901AAAF
Clamping wedge	16X50 mm	■ ETASS901AAAG
Torx clamping screw	M 2,5X3 T8, for D= 8 mm	● WV077
Torx clamping screw	M 2,5X4 T8, for D= 9-11 mm	● WV078
Torx clamping screw	M 3X7 T8, for D=12-14 mm	● WV079
Torx clamping screw	M 3,5X5,5 T15, for D=16 mm	● WV080
Torx key	T8	● ACHTC08AAAAA
"T" Torx key	T15	● ACHTT15AAAAA
Torx key	T15	● ACHTC15AAAAA

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

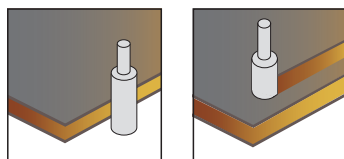
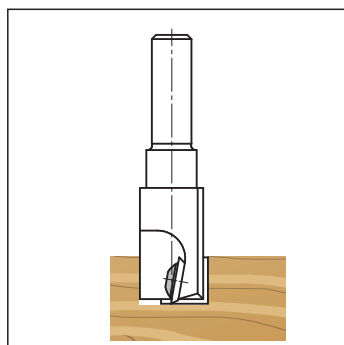
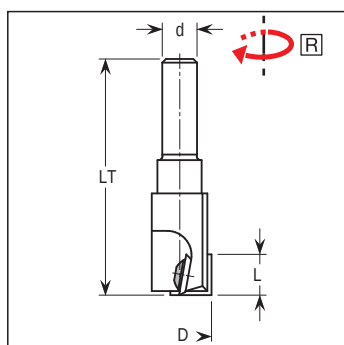
P930

HW Router bits with reversible knives



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli a fissaggio meccanico: 1 per forare e 1 per contornare
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • HW knife for plunge cutting • 2 HW knife for cutting on edge • Ground shank • Use on CNC or standard router machine • Indicated for boring and cutting solid wood, wood composites, laminated and such



Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
16	12	70	10X30	■ P930MB16000R
18	12	70	10X30	■ P930MB18000R
20	12	70	10X30	■ P930MB20000R
24	12	70	10X30	■ P930MB24000R
16	12	70	12X30	■ P930MC16000R
18	12	70	12X30	■ P930MC18000R
20	12	70	12X30	■ P930MC20000R
24	12	70	12X30	■ P930MC24000R
Spec.				P930M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

SPARE PARTS

Type	Dimensions	Code
Reversible knife	7,5X12X1,5 mm, for D= 16/18 mm	● C020M07512AA
Reversible knife	9,6X12X1,5 mm, for D= 20 mm	● C020M09612AA
Reversible knife	12X12X1,5 mm, for D= 24 mm	● C020M12012AA
Torx clamping screw	M 3,5X4, T15, for D= 16/18 mm	● WV055
Torx clamping screw	M 4X4, T15, for D= 20 mm	● WV021
Torx clamping screw	M 4X6, T15, for D= 24 mm	● WV005
Torx clamping screw	M 4X4, T15, for D= 16/18/20 mm	● WV022
Torx key	T15	● ACHTC15AAAAA

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punta coda
di rondine



Wendeplatten Gratfräser



Mèches queue d'aronde
à plaquettes



Фрезы "ласточкин хвост"

P928

HW Dovetail router bits



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico per lavorazioni a coda di rondine
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW for grooving dovetails • Ground shank • Use on CNC or standard router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	β	LT	d	Code	
28	26	15°	70	12X40	■ P928M028000R	
Spec.			P928M99			

SPARE PARTS

Type	Dimensions	Code	
Reversible knives	27X9X1,5	■ C928M27090AA	
Torx clamping screw	M3,5X4, T15	● WV023	
Torx key	T15	● ACHTC15AAAAA	

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

P929**HW Panel pilot router bits**

Ottenute da acciaio di elevata resistenza meccanica • 1 taglienti HW radiali • 1 tagliente in HW con cuscinetto • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 1 HW tooth with bearing • Ground shank • Use on CNC or standard router machines • For jointing, rabbeting and plunge cutting on solid wood, wood composites, laminated and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
6,35	16	58	6	■ P929MA06300R
6,35	16	58	6,35	■ P929MB06300R
6,35	16	58	8	■ P929MC06300R
Spec.		P929M99		

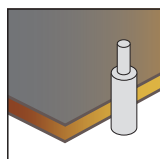
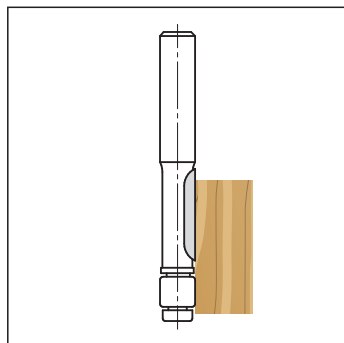
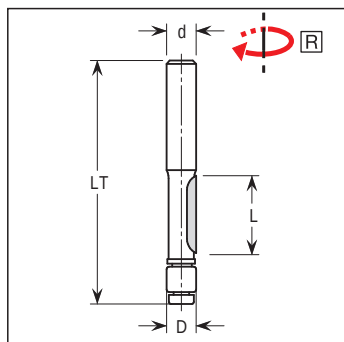
SPARE PARTS

Type	Dimensions	Code
Ball-bearing	6,35 mm	● WCUSC0635AAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte copiatrici
con forante

Kopier-
und Ausschnittfräser

Mèches à copier
avec coupe en bout pointue

Копировальные фрезы с
возможностью сверления

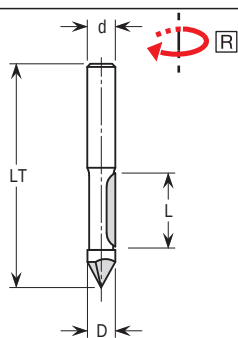
P924

HS / HW Panel pilot router bits



Ottenute da acciaio di elevata resistenza meccanica • 1 tagliente HW radiale • 1 tagliente HS per taglio frontale • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 1 HW tooth and 1 HS bottom cut with bottom side clearance angle • Ground shank • Use on CNC or standard router machines • For grooving, jointing, rabbeting and plunge cutting on solid wood, wood composites, laminate and such



Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
6,35	20	63	6	■ P924M63520AR
6,35	20	63	6,35	■ P924M63520BR
8	20	63	8	■ P924M00820CR

Spec.

P924M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Punte copiatrici
con forante

Kopier-
und Ausschnittfräser

Mèches à copier
avec coupe en bout pointue

Копировальные фрезы с
возможностью сверления

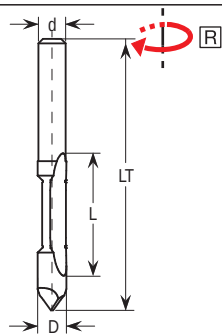
P924S

HS Pilot router bits



Ottenute da acciaio di elevata resistenza meccanica • 1 tagliente HS radiale • 1 tagliente HS per taglio frontale • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per fresature interne e contornature su legno, suoi derivati

Obtained from steel with a high mechanical resistance • 1 HS tooth and 1 HS bottom cut with bottom side clearance angle • Ground shank • Use on CNC or standard router machines • For grooving, jointing, rabbeting and plunge cutting on solid wood, wood composites



Z1+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
6,35	15	60	6	■ P924S63515DR

Spec.

P924S99

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

 Punta per guarnizioni

 Dichtungs Nutfräser

 Mèches pour rainures
à joints unilatérale
et avec profil ancré

 Фрезы для уплотнителя



P925

HWM Weather strip router bits



Ottenute da HW integrale • 2 taglienti • Spoglia frontale • Attacco rettificato • Da montare su pantografi a CNC o manuali
• Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

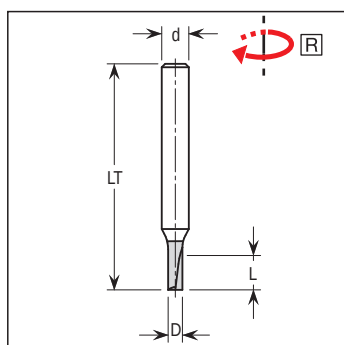
Obtained from massiv carbide • 2 teeth • Bottom side clearance angle • Ground shank • Use on manual or CNC
and standard router machines • Indicated for grooving, jointing, rabbeting and plunge cutting solid wood, wood
composites, laminated and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
3	8	55	6	■ P925MA30655R
3	8	55	6,35	■ P925MB30655R
Spec.				P925M99

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.



 Punta per guarnizioni

 Dichtungs Nutfräser

 Mèches pour rainures
à joints unilatérale
et avec profil ancré

 Фрезы для уплотнителя

P926

HWM Weather strip routers



Ottenute da HW integrale • 2 taglienti • Spoglia frontale • Attacco rettificato • Da montare su pantografi a CNC o manuali
• Indicate per fresature interne e contornature su legno, suoi derivati, laminati e simili

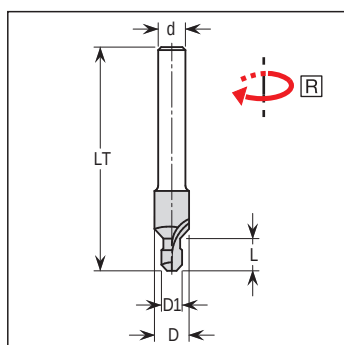
Obtained from massiv carbide • 2 teeth • Bottom side clearance angle • Ground shank • Use on manual or CNC
and standard router machines • Indicated for grooving, jointing, rabbeting and plunge cutting solid wood, wood
composites, laminated and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D1	D	L	LT	d	Code
Senza scanalatura • Without groove					
5,5	—	10	65	6,35	■ P926M005510R
Con scanalatura • With groove					
5,5	10	13	65	6,35	■ P926M005513R
Spec.					P926M99

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.





Punte per incisioni

Wendenplatten
Ziernutfräser

Mèches pour gravure
et rainure decorative

Фрезы V-образные для
пазования и гравирования

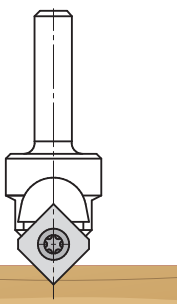
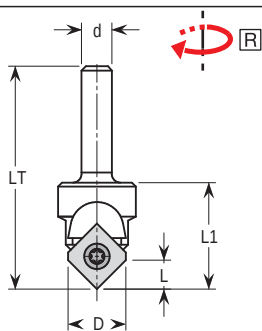
P923

HW Decorative groove cutter with reversible T.C.



Ottenute da acciaio di elevata resistenza meccanica • 1 coltello HW • 1 coltello HW posizionato a "V" • Attacco rettificato
• Da montare su pantografi a CNC o tradizionali • Indicate per incisioni a "V" su legno e suoi derivati

Obtained from steel with a high mechanical resistance • 1 HW knife • 1 HW knife placed at "V" position • Ground shan
• Use on CNC machine or standard router machines to do decorative groove on solid wood



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	L1	LT	d	Code
15,9	7,5	27	57,5	8X30	■ P923MA15900R

Spec.

P923M99

SPARE PARTS

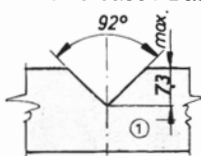
Type	Dimensions	Profile	Code
Reversible knife	12X12X1,5 mm	1	● C020M12012AA
Reversible knife	12X12X1,5 mm	2/3/4	■ C923M121215A
Reversible knife	12X12X1,5 mm	5	■ C923M121215B
Reversible knife	12X12X1,5 mm	6/7/8	■ C923M121215C
Reversible knife	12X12X1,5 mm	9	■ C923M121215D
Reversible knife	12X12X1,5 mm	10	■ C923M121215E
Reversible knife	12X12X1,5 mm	11	■ C923M121215F
Reversible knife	12X12X1,5 mm	12	■ C923M121215G
Torx clamping screw	M4X4 T15		● WV022
"T" Torx key	T15		● ACHTT15AAAAA

NOTE

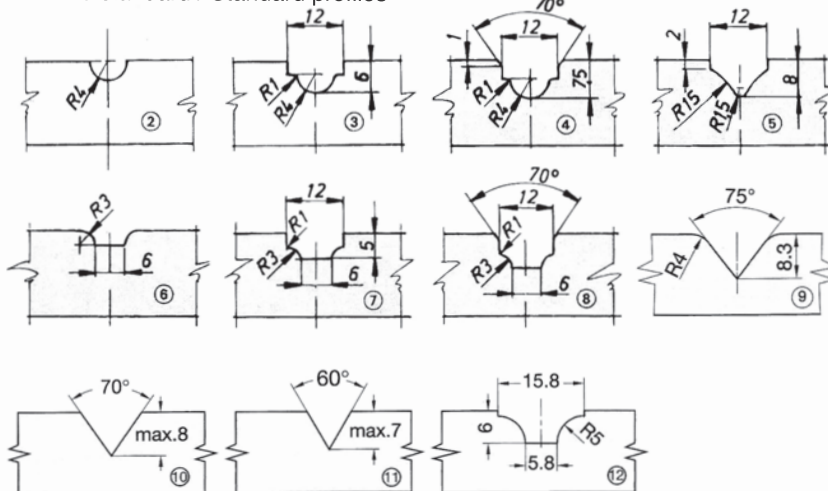
■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Profilo base / Base set



Profilo standard / Standard profiles



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

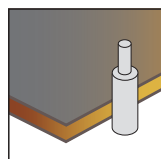
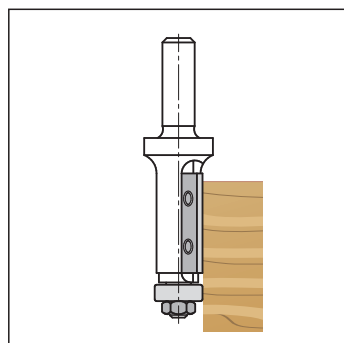
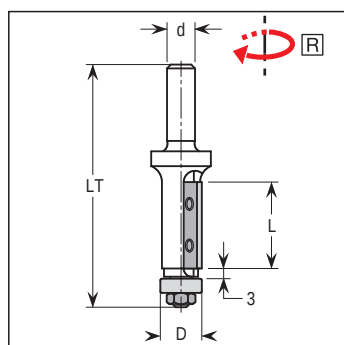
P921

HW Trimming and copying router bits with reversible knives



Ottenute da acciaio ad elevata resistenza meccanica • 1 coltello HW a fissaggio meccanico • Complete di cuscinetto • Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 1 knife HW • Complete with ball bearing guide • Ground shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
12	25	70	6	■ P921MA12000R
12	25	70	8	■ P921MB12000R

Spec.				P921M99
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SPARE PARTS

Type	Dimensions	Code
Reversible knife	25X5,5X1,1 mm, 2-sided	■ C921M2555AAA
Clamping wedge	12X25 mm	● ETASS9211225
Ball bearing	12X4 mm, d=4 mm	■ WCUS012004004ZA
Torx clamping screw	M3X7 T8	● WV079
Torx key	T8	● ACHTC08AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per rifilare
a coltellini reversibili
con cuscinetto

Wendenplatten
Bündigfräser

Mèches d'affleurement
à plaquettes reversibles
avec guide à billes

Фрезы обгонные со
сменными ножами

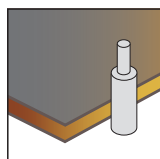
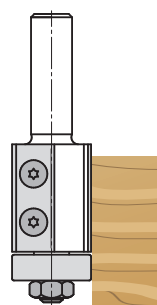
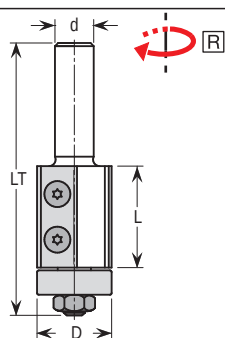
P922

HW Square trimming cutter with reversible knives



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Complete di cuscinetto
• Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Complete with ball bearing guide • Ground
shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated
and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
22	12	54	8	■ P922MA22012R
22	20	62	6	■ P922MB22020R
22	20	62	8	■ P922MC22020R
19	30	75	8	■ P922MD19030R
19	30	75	12	■ P922ME19030R
19	50	95	12	■ P922MF19050R

Spec.				P922M99
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SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5 mm, 4-sided	● C020M12012AA
Reversible knife	20X12X1,5 mm, 2-sided	● C020M20012AA
Reversible knife	30X12X1,5 mm, 2-sided	● C020M30012AB
Reversible knife	50X12X1,7 mm, 4-sided, 3 hole	■ C917M05012AA
Ball bearing	19 mm	■ WCUS019006005ZA
Ball bearing	22 mm	■ WCUS022007008ZA
Torx clamping screw	M 4X6, T15	● WV008
"T" Torx key	T15	● ACHTT15AAAAA
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte a coltellini
per rifilare
e per battute

Wendeplatten
Bündig/Fasefräser

Mèches à feuillurer
et chanfreiner
à plaquettes réversibles

Фрезы со
сменными ножами



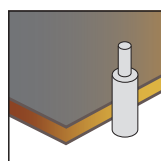
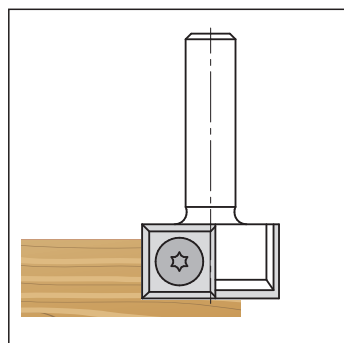
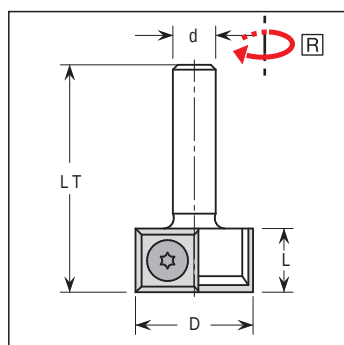
P919

HW Square trimming router bits



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Ground shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
22	12	60	6	■ P919M022012R
Spec.		P919M99		

SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5 mm, 4-sided	● C020M12012AA
Torx clamping screw	M 4X6, T15	● WV008
"T" Torx key	T15	● ACHTT15AAAAA
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coltellini
per smussi

Wendeplatten
Bündig/Fasefräser

Mèches à feuillurer
et chanfreiner
à plaquettes réversibles

Фрезы фасочные со
сменными ножами

P920

HW Bevel trimming router bits



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Ground shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	β	LT	d	Code
27	12	15°	44	8	■ P920M027015R
29	12	45°	46	8	■ P920M029045R

Spec.					P920M99
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SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5 mm, 4-sided	● C020M12012AA
Torx clamping screw	M 4X6, T15	● WV008
"T" Torx key	T15	● ACHTT15AAAAA
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

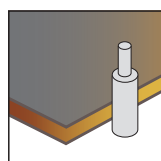
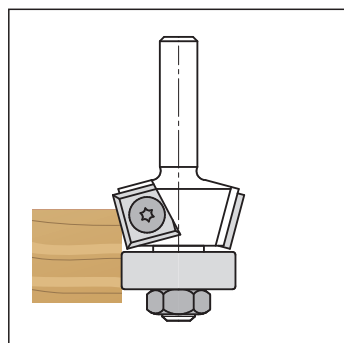
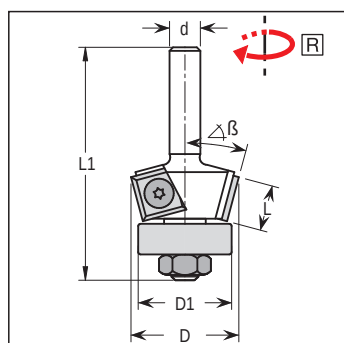
P907

HW Bevel trimming router bits



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Complete di cuscinetto
• Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Complete with ball bearing guide • Ground shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	D1	β	LT	d	Code
24	12	19	15°	60	8	■ P907MA24015R
30	12	19	30°	60	8	■ P907MA30030R
32	12	16	45°	60	6	■ P907MB32045R
32	12	16	45°	60	8	■ P907MA32045R
Spec.						P907M99

SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5 mm, 4-sided	● C020M12012AA
Ball bearing	16 mm	● WCUSC016005005ZA
Ball bearing	19 mm	● WCUSC019006005ZA
Torx clamping screw	M4X6	● WV008
"T" Torx key	T15	● ACHTT15AAAAA
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coltellini
per battute complete
di cuscinetto

Unitec Falzfräser

Mèches à fevillurer
à plaquettes
réversibles

Фрезы четвертные
обгонные

P908

HW Rebating router bits



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Complete di cuscinetto
• Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Complete with ball bearing guide • Ground
shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated
and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	D1	LT	d	Code
26	19,5	9	71	8	■ P908MA26009R
26	19,5	9	71	12	■ P908MB26009R
32	26	12	77,5	8	■ P908MA32012R
32	26	12	77,5	12	■ P908MB32012R

Spec.					P908M99
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SPARE PARTS

Type	Dimensions	Code
Reversible knives	19,4X9X1,5 mm, 4-sided	■ C908M19090AA
Reversible knives	26X12,5X1,5 mm, 4-sided	■ C908M26125AA
Reversible knives	30X14,5X1,5 mm, 4-sided	■ C908M30145AA
Ball bearing	9 mm	● WCUSC09AAAAA
Ball bearing	12 mm	● WCUSC12AAAAA
Ball bearing	16 mm	● WCUSC16AAAAA
Torx clamping screw	M 4X6, T15	● WV008
Covering screw	M3,5X6 mm	● WV081
"T" Torx key	T15	● ACHTT15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

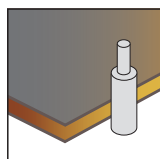
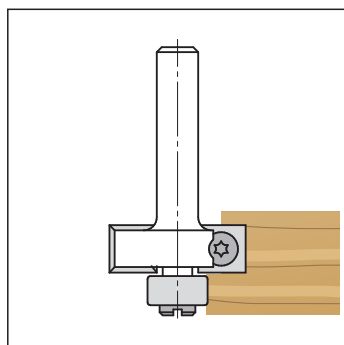
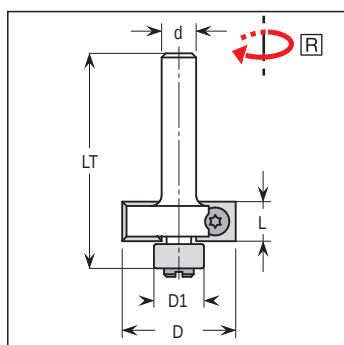
P906

HW Rebating router bits



Ottenute da acciaio ad elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico • Complete di cuscinetto
• Attacco rettificato • Da montare su pantografi a CNC o manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives HW • Complete with ball bearing guide • Ground shank • Use on CNC or manual router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
30	12	39	8	■ P906M030000R

Spec.

P906M99

SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5 mm, 4-sided	● C020M12012AA
Torx clamping screw	M 4X6, T15	● WV008
Ball bearing	9 mm	● WCUSC09AAAAA
Ball bearing	12 mm	● WCUS012004004ZA
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte Festool Domino®



Dübelfräser
Festool Domino®



Mèches à tourillonner
Festool - Domino®



Фрезы для фрезера
Domino® - Festool

P909

HW Slot dowel drills



Ottenute da acciaio di elevata resistenza meccanica • Cuspide in HW integrale • 2 taglienti • 2 rasanti • Corpo con 2 scarichi elicoidali • Attacco M6 • Rivestite con resina fluorocarbonica PTFE per una migliore evacuazione del truciolo • Colore nero per punte rotazione destra • Colore rosso per punte rotazione sinistra • Da montare su macchine elettro-fresatrici • Indicate per l'esecuzione di cave su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • Carbide tip with 2 teeth • 2 spurs • Body with 2 spirals • Shank M6 • Covered by a fluorine-carbonic resin for a better chip removal • Black colour for right rotation drills • Red colour for left rotation drills • Use on power machines • Indicated to make slots on solid wood, laminated and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
5	20	49	M6X0,75	■ P909M005000R
6	20	49	M6X0,75	■ P909M006000R
8	25	49	M6X0,75	■ P909M008000R
10	25	49	M6X0,75	■ P909M010000R
Spec.				P909M99

■ Utensili non a magazzino, quantità minima d'ordine: **10 pezzi**.
Tools not ready in stock minimum order quantity: **10 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

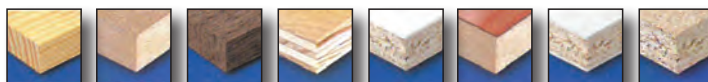
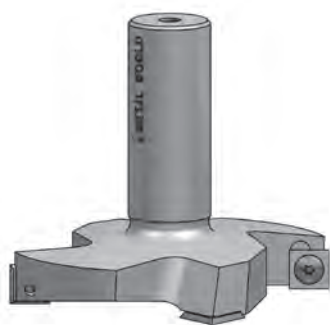
MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



P931

HW Planing and rebating router bits with knives



Ottenute da acciaio di elevata resistenza meccanica • 4 coltelli a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per spianatura su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 4 HW knives • Ground shank • Use on CNC or standard router machine • Indicated for planing on solid wood, wood composites, laminated wood and such

Z2+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
60	12	80	20X55	● P931M060020R
100	12	80	25X55	■ P931M100025R
Spec.				P931M99

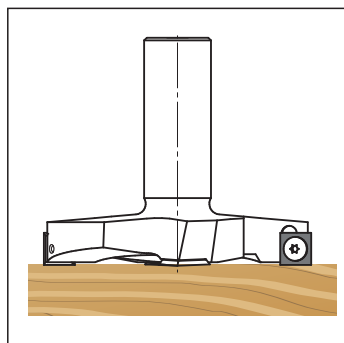
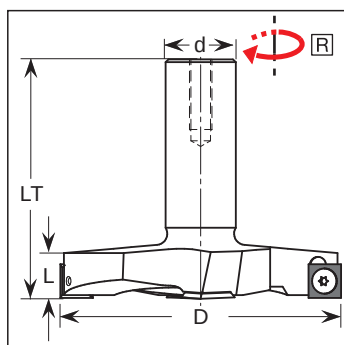
SPARE PARTS

Type	Dimensions	Code
Reversible knife	12X12X1,5	● C020M12012AA
Reversible knife	14X14X2	● C040M14012AA
Torx clamping screw	M4X6	● WV005
Torx clamping screw	M5X6	● WV013
Torx Key	T15	● ACHTC15AAAAA
Torx Key	T20	● ACHTC20AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include due chiavi di regolazione.
The price included two screwdrivers.



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coltellini
a tutto tondo

Wendeplatten
Hohlkehlfräser

Mèches pour profil gouge
ou conge queue
interchangeable

Фрезы радиусные с
круглыми сменными ножами

P933

HW Ball radius router bits



Ottenute da acciaio di elevata resistenza meccanica • 1 coltello HW a fissaggio meccanico • Attacco rettificato • Da montare su pantografi a CNC o pantografi manuali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 1 knife for cutting on edge • Ground shank • Use on CNC or manual power machines to cut on edge and make dividing cuts on solid wood, wood composites, laminated and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	R	L	LT	d	Code
12,7	6,35	6,35	57	12	■ P933MD06300R
19	9,5	9,5	63	12	■ P933MD09500R
Spec.					P933M99

SPARE PARTS

Type	Dimensions	Code
Circular knife	R=6,35 mm	■ C933M635AAAA
Circular knife	R=8 mm	■ C933M800AAAA
Circular knife	R=9,5 mm	■ C933M950AAAA
Torx clamping screw	M 3,5X6,5, T15	● WV003
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

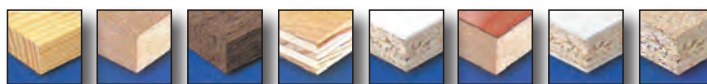
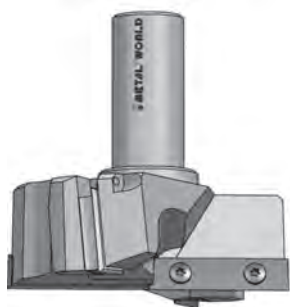
FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

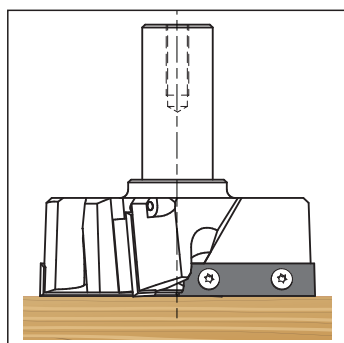
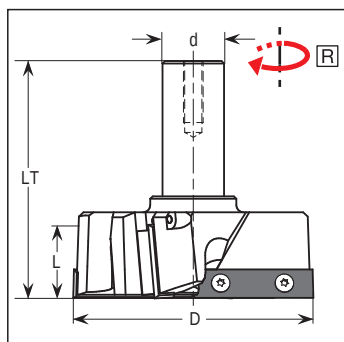
P936

Planing and drilling router bits



Ottenute da acciaio di elevata resistenza meccanica • 4 coltelli a fissaggio meccanico: 2 per forare e 2 per contornare
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per spianatura su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 4 HW knives for plunge cutting • 2 HW knives for rebating on edge • Ground shank • Use on CNC or standard router machine • Indicated for planing on solid wood, wood composites, laminated wood and such



Z2+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
60	30	95	20X55	● P936M060020R
100	30	95	25X55	■ P936M100025R

Spec.				
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SPARE PARTS Ø60

Type	Dimensions	Code
Reversible knife	39,5X12X1,5	● C025M39512AB
Reversible knife	29,5X12X1,5	● C025M29512AB
Wedge	8X8	● ETASS268
Screw for knife	M6X10	● WV035
Torx screw	T15	● WV008
Torx key	T15	● ACHTC15AAAAA
"T" allen key	Esag. 3	● ACHET03AAAAA

SPARE PARTS Ø100

Type	Dimensions	Code
Reversible knife	49,5X12X1,5	● C025M49512AB
Reversible knife	29,5X12X1,5	● C025M29512AB
Wedge	8X8	● ETASS268
Screw for knife	M6X10	● WV035
Torx screw	M4X6, T15	● WV008
Torx key	T15	● ACHTC15AAAAA
"T" allen key	Esag. 3	● ACHET03AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coda di rondine



Wechselplatten
Schwalbenschwanzfräser



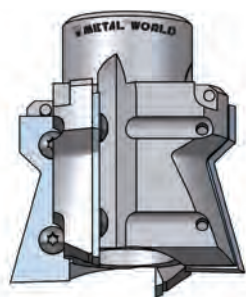
Mèches à queue d'aronde
à plaquettes



Фрезы "ласточкин хвост"
со сменными ножами

P935

HW Dovetail router bits



Ottenute da acciaio di elevata resistenza meccanica • 4 coltelli HW a fissaggio meccanico per lavorazioni a coda di rondine
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 4 knives HW for grooving dovetails • Ground shank • Use on CNC or standard router machines • Indicated to cut on edge solid wood, wood composites, laminated and such

Z4

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	L1	LT	d	Type	Code
60	45,5	28	55,5	28	Smooth	■ P935MA60001L
60	45,5	28	55,5	28	Chipbreaker	■ P935MC60001L

Spec.						P935M99
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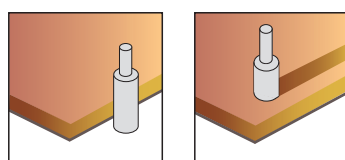
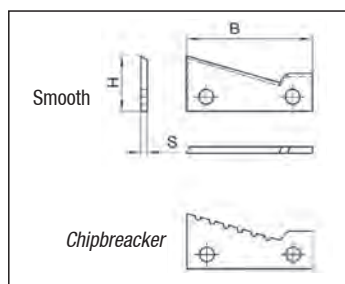
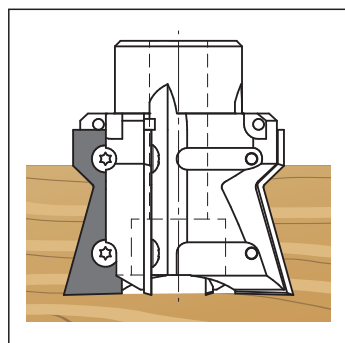
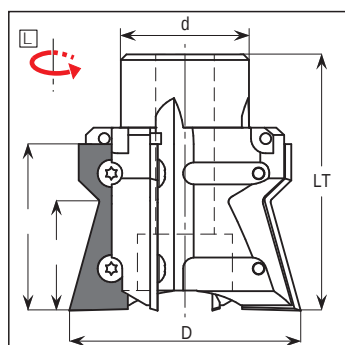
SPARE PARTS

Type	Dimensions	Code
Profiled knives	Smooth 38X16,7X2	■ C935M38167AA
Profiled knives	Chipbreaker 38X16,7X2	■ C935M38167AB
Torx Screw	M4X6, T15	● WV008
Torx Key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

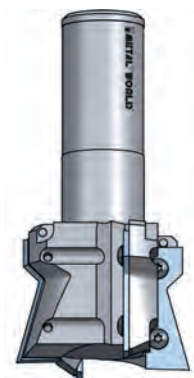
FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

P905

HW Dovetail router bits



Ottenute da acciaio di elevata resistenza meccanica • 4 coltelli HW a fissaggio meccanico per lavorazioni a coda di rondine
• Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 4 knives HW for grooving dovetails • Ground shank • Use on CNC or standard router machines • Indicated to cut on edge solid wood, wood composites, laminated and such

Z4

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	L1	LT	d	Mod.	Type	Code
60	50	28	131	25/24.4	B	Smooth	■ P905MA60002R
60	50	28	131	30/29.4	C	Chipbreaker	■ P905MB60002R

Spec.							P905M99
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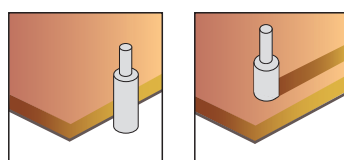
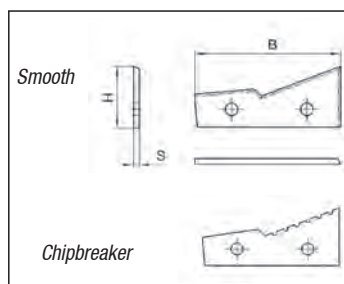
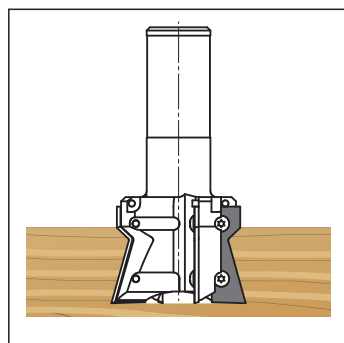
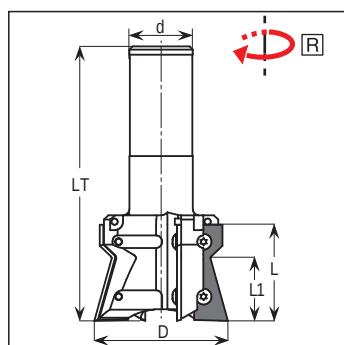
SPARE PARTS

Type	Dimensions	Code
Profiled knives	Smooth 50X20X2	■ C905M50200AA
Profiled knives	Chipbreaker 50X20X2	■ C905M50200AC
Torx Screw	M4X6, T15	● WV008
Torx Key	T15	● ACHTC15AAAAA

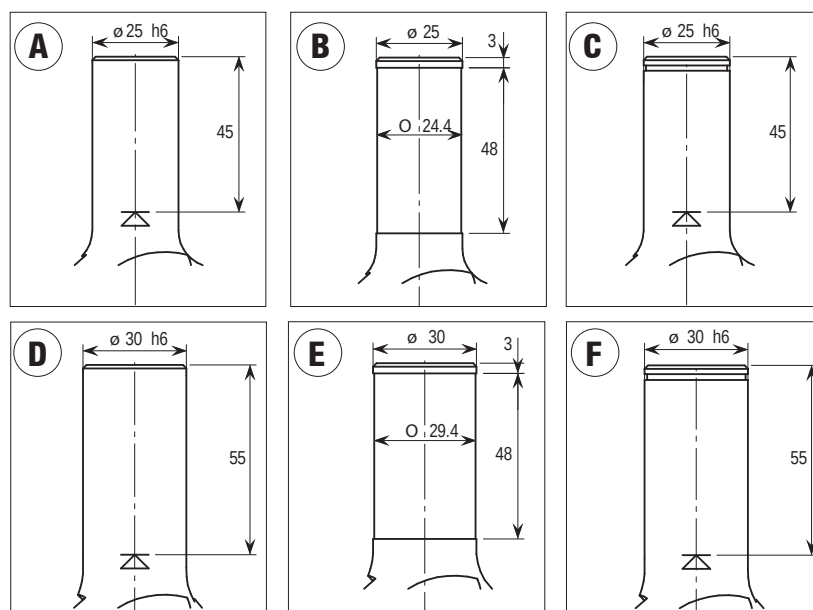
NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.



Esempi di attacchi/Example of shanks



- A) Calettamento termico e hydro/ Shrink and hydro fit
- B) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- C) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- D) Calettamento termico e hydro/ Shrink and hydro fit
- E) Anello di sicurezza/Retaining ring
- F) Anello di sicurezza/Retaining ring



Punte a coltellini
per scanalature profonde

Wendeplatten
Schlosskastenfräser

Mèches à défoncer
pour logement de boîtier
de serrure

Фрезы для паза под
замок со сменными ножами

P904

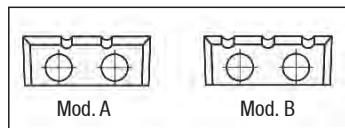
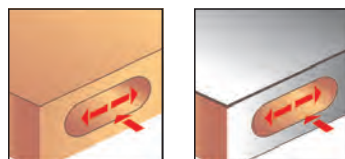
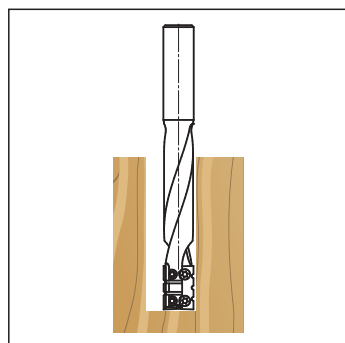
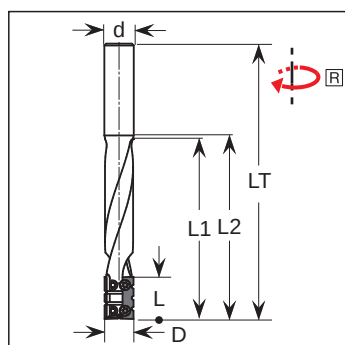
DENSIMET

HW Lockset cutter router bits with interchangeable knives



Costruita con corpo in metallo pesante • Taglienti con coltelli intercambiabili • Attacco rettificato • Da montare su pantografi CNC o tradizionali • Indicate per esecuzioni di asole profonde • Adatte per lavorazioni su legno massiccio e suoi derivati.

Obtained from heavy metal body • Interchangeable knives • Use on CNC or standard router machines • Indicated for producing deep slots • Indicated for solid wood and its derivatives.



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	L1	L2	LT	d	Code
14	23	100	110	170	16X60	● P904M014170R
16	23	100	105	150	16X45	● P904M016153R
16	23	110	115	170	16X55	■ P904M016173R
16	23	105	115	170	20X55	■ P904M016170R
16	23	115	125	180	16X55	● P904M016183R
16	23	135	145	210	25X65	■ P904M016216R
18	23	110	115	170	20X55	■ P904M018170R

Spec.

P904M99

SPARE PARTS

Type	Dimensions	Code
Interch. knives D=16/18	23X7X1,5 mm, Form A (2 grooves)	● C037M237A
Interch. knives D=16/18	23X7X1,5 mm, Form B (3 grooves)	● C037M237B
Interch. knives D=14	23X6X1,5 mm, Form A (2 grooves)	● C037M236A
Interch. knives D=14	23X6X1,5 mm, Form B (3 grooves)	● C037M236B
Torx clamping screw	M3X4X5,5 T9	● WV052
Torx key	T9	● ACHTC09AAAAA

NOTE

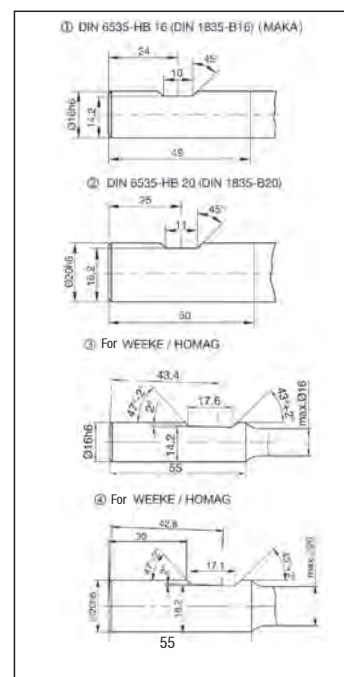
■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

Softwood RPM 12000–18000

Dimensions	Work thickness	Work thickness
14	H4 mm (10 m/min)	H8 mm (9 m/min)
16	H4 mm (12 m/min)	H8 mm (10 m/min)

The data are indicative only, MW is not responsible for any incorrect application



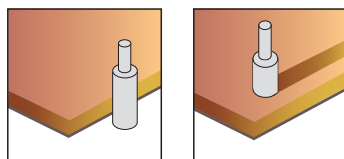
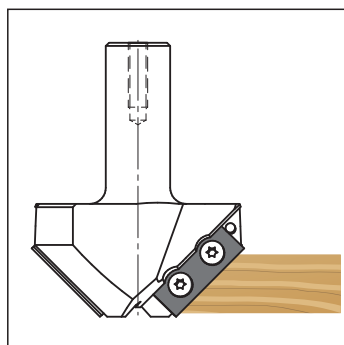
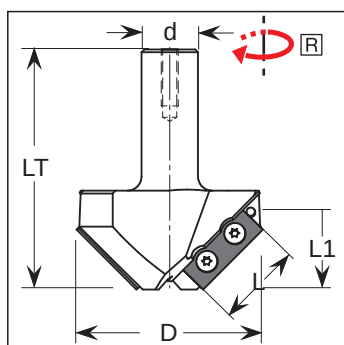
P902

HW Bevel router bits



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico disposti a 45° • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives disposed at 45° • Ground shank • Use on CNC or standard router machines • Indicated to cut on edge solid wood, wood composites, laminated and such



ZZ

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	B	L	L1	LT	d	Code
74	45°	40	28	95	20X55	■ P902MA45005R
74	45°	40	28	95	25X55	■ P902MA45006R

Spec.						P902M99
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SPARE PARTS

Type	Dimensions	Code
Reversible knives	40X12X1,5 mm, 2-sided	● C020M40012AB
Torx clamping screw	M4X6, T15	● WV008
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coltellini
per folding

Wendenplatten
Fase Foldingfräser

Mèches folding
et à chanfreiner
à plaquettes

Фрезы пазовые угловые
со сменным ножом

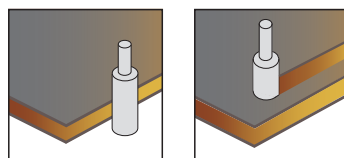
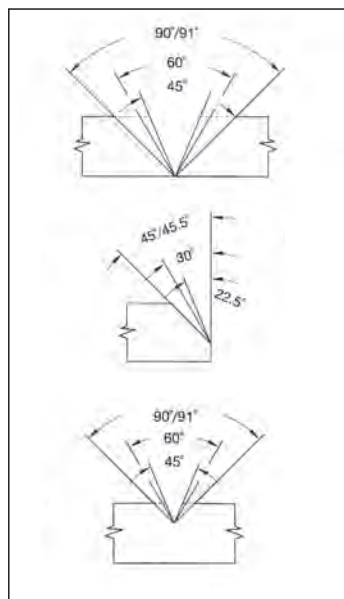
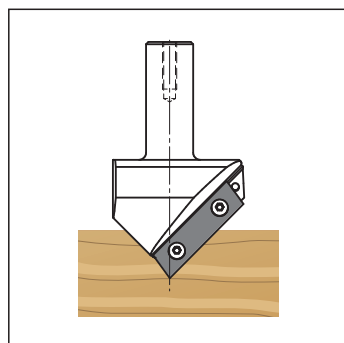
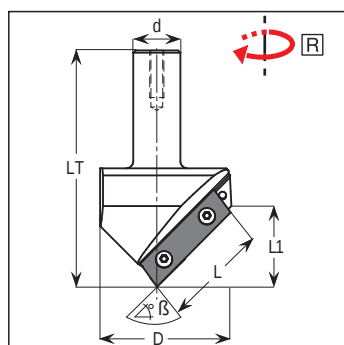
P903

HW Folding router bits



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW a fissaggio meccanico disposti a 45° • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per incisioni e specifiche lavorazioni folding da utilizzare su legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 knives disposed at 45° • Ground shank • Use on CNC or standard router machines • Indicated for folding and grooves V cuts to cut on edge solid wood, wood composites, laminated and such



Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	B	L	L1	LT	d	Code
43	45°	46,4	43	115	20X55	■ P903M000455R
43	45°	46,4	43	115	25X55	■ P903M000456R
41,5	60°	41,5	35	118	25X55	■ P903M000606R
50	90°	36,4	25	93	20X55	■ P903M050905R
50	90°	36,4	25	93	25X55	■ P903M050906R
50	91°	36,4	25	93	20X55	■ P903M050005R
50	91°	36,4	25	93	25X55	■ P903M050006R

Spec.

P903M99

SPARE PARTS

Type	Dimensions	Code
Reversible knives	40X12X1,5 for angle = 90°+91°	■ C903M40012AB
Reversible knives	50X12X1,5 for angle = 60°	■ C903M50012AB
Reversible knives	60X12X1,5 for angle = 45°	■ C903M60012AB
Torx clamping screw	M4X4 T15	● WV022
Torx key	T15	● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

P914

HW Adjustable multi-profile router bits



Ottenute da acciaio di elevata resistenza meccanica • 2 coltelli HW regolabili a fissaggio meccanico profilati • Attacco rettificato • Da montare su pantografi a CNC o tradizionali • Indicate per contornare e smussare legno, suoi derivati e simili

Obtained from steel with a high mechanical resistance • 2 HW adjustable profiled knives • Ground shank • Use on CNC or standard router machines • Indicated for rounding and chamfering, to use for solid wood, wood composites, laminated and such

Z1+1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	D1	L	LT	d	Mod.	Code
34	20	40	113	20X55	A	■ P914M000005R
34	20	40	113	25X55	A	■ P914M000006R
57	35	50	150	25X55	B	■ P914M000206R

Spec.

P914M99

* Mod. A radius profile h1= 19–34 mm

* Mod. B radius profile h1= 35–56 mm

**Mod. A bevelled profile h2=13–29 mm

**Mod. B bevelled profile h2=22–43 mm

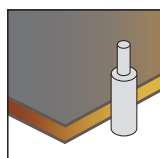
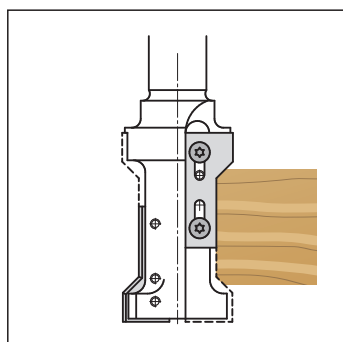
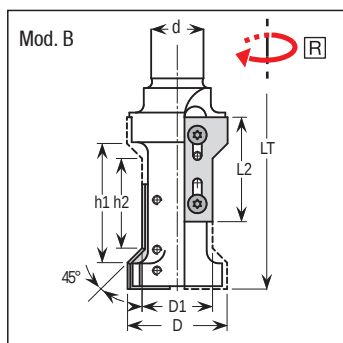
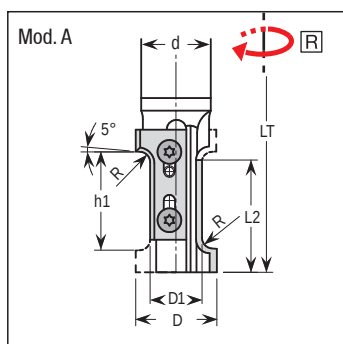
SPARE PARTS

Type	Dimensions	Mod.	Pos.	Code
Rounding knife	40X17,2X2,2 1 R = 3	A	Top	■ C914M40172AA
Rounding knife	40X17,2X2,2 1 R = 3	A	Bottom	■ C914M40172AB
Rounding knife	40X18,2X2,2 1 R = 4	A	Top	■ C914M40182AA
Rounding knife	40X18,2X2,2 1 R = 4	A	Bottom	■ C914M40182AB
Rounding knife	40X19,2X2,2 1 R = 5	A	Top	■ C914M40192AA
Rounding knife	40X19,2X2,2 1 R = 5	A	Bottom	■ C914M40192AB
Rounding knife	40X20,2X2,2 1 R = 6	A	Top	■ C914M40202AA
Rounding knife	40X20,2X2,2 1 R = 6	A	Bottom	■ C914M40202AB
Bevel knife	40X20,2X2,2 45°	A	Top	■ C914M40202AC
Bevel knife	40X20,2X2,2 45°	A	Bottom	■ C914M40202AD
Rounding knife	50X20,3X2,2 1 R = 6	B	Top	■ C914M50203AA
Rounding knife	50X20,3X2,2 1 R = 6	B	Bottom	■ C914M50203AB
Rounding knife	50X20,3X2,2 1 R = 8	B	Top	■ C914M50203AC
Rounding knife	50X20,3X2,2 1 R = 8	B	Bottom	■ C914M50203AD
Rounding knife	50X24,3X2,2 1 R = 10	B	Top	■ C914M50243AA
Rounding knife	50X24,3X2,2 1 R = 10	B	Bottom	■ C914M50243AB
Bevel knife	50X20,2X2,2 mm 45°	B	Top	■ C914M50202AA
Bevel knife	50X20,2X2,2 mm 45°	B	Bottom	■ C914M50202AB
Torx clamping screw	M4X6, T15			● WV008
Torx key	T15			● ACHTC15AAAAA

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **1 pezzo**.
Tools not ready in stock minimum order quantity: **1 piece**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.





Punte elicoidali
multitagliente
a coltellino

Wendeplatten
Spiralfräser

Mèches hélicoïdal
à plaquettes réversibles

Фрезы спиральные
со сменными ножами

P940

HW Spiral multi-cutting router bits



Costruite con corpo in acciaio bonificato • Coltelli con 2 lati taglienti • Indicate per la lavorazione di legni massicci teneri, medio-duri e duri • Adatte alle alte asportazioni, forniscono buona finitura • Indicate per la prima lavorazione del legno in specifico per sgrossatura e contornatura • Basso inquinamento acustico

Body in hardened and tempered steel • Turnover knives with 2 cutting edges • Suitable for working soft, medium-hard and hard wood • For high chip removal and excellent finish • Indicated for first wood working in specific for roughing and contouring • Low noise

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

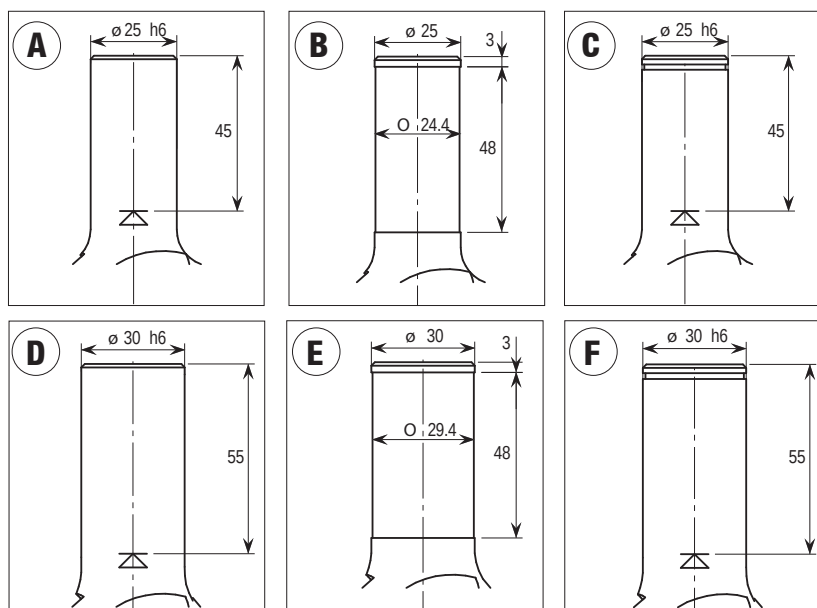
D	L	LT	d	Mod.	Z	Code
30	120	195	25/24,4	B	22+2	■ P940M30120DR
30	120	195	30/29,4	E	22+2	■ P940M30120CR
30	120	195	30	D	22+2	● P940M30120AR
40	160	235	30	D	20+2	■ P940M40160DR
40	160	235	30/29,4	E	20+2	● P940M40160CR
40	160	235	30	F	20+2	■ P940M40160AR

Spec. P940M99

SPARE PARTS

Type	Ø	Dimensions	Code
Reversible knife	30	9X9X1,5	● C020M09009AA
Screw	30	M4X4X7,5	● WV022
Plug knife	30	15X16X2	■ C940M15016AA
Plug knife	30	15X12X2	■ C940M15012AA
Reversible knife	40	12X12X1,5	● C020M12012AA
Screw	40	M4X6X7,5	● WV008
Plug knife	40	20X18,5X2	■ C940M200185A
Plug knife	40	20X12,5X2	■ C940M200125A

Esempi di attacchi/Example of shanks



- A) Calettamento termico e hydro/ Shrink and hydro fit
B) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
C) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
D) Calettamento termico e hydro/ Shrink and hydro fit
E) Anello di sicurezza/Retaining ring
F) Anello di sicurezza/Retaining ring

■ Utensili non a magazzino, quantità minima d'ordine: **1 pezzo**.
Tools not ready in stock minimum order quantity: **1 piece**.

Il prezzo include una chiave di regolazione.
The price included one screwdriver.

P945

HW Spiral multi-cutting router bits



Costruite con corpo in acciaio bonificato • Coltelli con 4 lati taglienti • Indicate per la lavorazione di legni massicci teneri, medio-duri e duri • Adatte alle alte asportazioni, forniscono buona finitura • Indicate per la prima lavorazione del legno in specifico per sgrossatura e contornatura • Basso inquinamento acustico

Body in hardened and tempered steel • Turnover knives with 4 cutting edges • Suitable for working soft, medium-hard and hard wood • For high chip removal and excellent finish • Indicated for first wood working in specific for roughing and contouring • Low noise

Z4+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Mod.	Z	Code
50	210	280	30	D	46+2	■ P945M50210DR
50	210	280	30/29,4	E	46+2	■ P945M50210CR
50	210	280	30	F	46+2	■ P945M50210AR

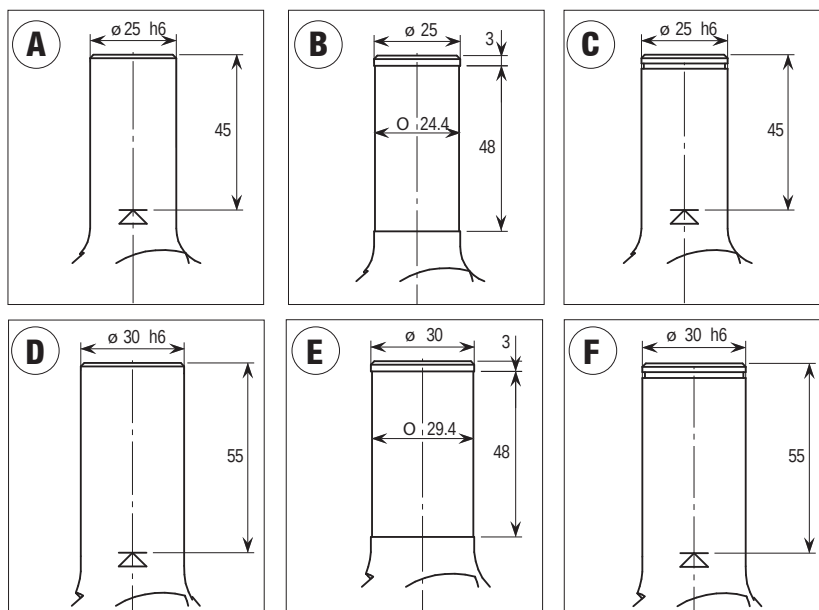
Spec.

P945M99

SPARE PARTS

Type	Dimensions	Code
Reversible knife	15X15X2,5	● C040M15025AA
Screw	M5X6X9	● WV013
Reversible knife	24,5X9X1,5	■ C945M24509AA
Screw	M3,5X4X7	● WV023

Esempi di attacchi/Example of shanks



- A) Calettamento termico e hydro/ Shrink and hydro fit
- B) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- C) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- D) Calettamento termico e hydro/ Shrink and hydro fit
- E) Anello di sicurezza/Retaining ring
- F) Anello di sicurezza/Retaining ring

■ Utensili non a magazzino, quantità minima d'ordine: **1 pezzo**.
Tools not ready in stock minimum order quantity: **1 piece**.

Il prezzo include 2 chiavi di regolazione.
The price included 2 screwdrivers.



Punte multitaglienti
per pantografo



Spiral Falz Fräser



Mèches hélicoïdal



Фрезы спиральные
напайные

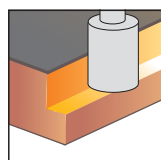
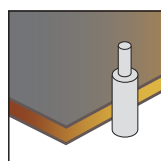
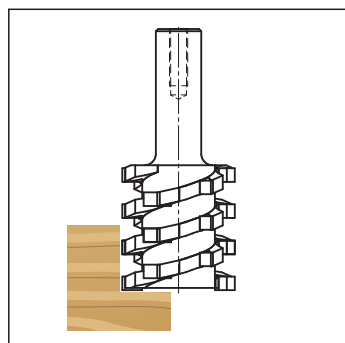
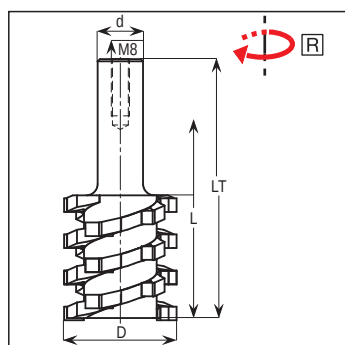
P278

HW Router bits spiral cutters



Ottenute da acciaio di elevata resistenza meccanica • Taglienti HW disposti a spirale • Attacco rettificato • Indicate per contornare legno e suoi derivati • Adatte per grosse asportazioni

Obtained from steel with a high mechanical resistance • Teeth with spiral execution • Ground shank • Indicated to cut on edge solid wood and such • Studied for big removals



Z6

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
30	30	95	20X50	● P278M303020R
30	40	105	20X50	● P278M304020R
30	50	115	20X50	■ P278M305020R
30	60	125	20X50	■ P278M306020R
40	30	90	20X50	● P278M403020R
40	40	100	20X50	● P278M404020R
40	50	110	20X50	● P278M405020R
40	60	120	20X50	■ P278M406020R
50	30	90	20X50	■ P278M503020R
50	40	100	20X50	■ P278M504020R
50	50	110	20X50	● P278M505020R
50	60	120	20X50	■ P278M506020R
30	30	100	25X55	■ P278M303025R
30	40	110	25X55	■ P278M304025R
30	50	120	25X55	● P278M305025R
30	60	130	25X55	● P278M306025R
40	30	95	25X55	■ P278M403025R
40	40	105	25X55	■ P278M404025R
40	50	115	25X55	■ P278M405025R
40	60	125	25X55	■ P278M406025R
50	30	95	25X55	■ P278M503025R
50	40	105	25X55	■ P278M504025R
50	50	115	25X55	● P278M505025R
50	60	125	25X55	■ P278M506020R

Left Spec.

P278M99L

Right Spec.

P278M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **1 pezzo**.
Tools not ready in stock minimum order quantity: **1 piece**.

Punte elicoidali
per pantografo
tagliente positivo

Spiral Schlichtfräser
Rechtslauf und Rechtsdreh
für Aluminium

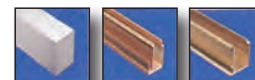
Fraises à coupes hélicoïdales
positives pour matériaux
aluminium

Фрезы спиральные
верхний рез (позитив)

P950

ALLUMINIUM

HWM Spiral router bits/ HW - Upcut for alluminium materials



Ottenute da HW integrale • 1 tagliente elicoidale positivo • Spoglia frontale • Finitura a specchio • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per lavorazioni su materiali compositi, plastici e suoi derivati

Obtained from massiv carbide • 1 positive spiral teeth • Mirror finish • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for applications in composite materials, plastic and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
1,5	6	40	3	■ P950M01506AR
2	10	40	2	■ P950M02010AR
2	8	40	3	■ P950M02008AR
2	6	50	6	■ P950M02006AR
2,5	8	50	6	■ P950M02508AR
3	10	40	3	■ P950M03010AR
3	10	50	6	■ P950M03010BR
3,5	10	50	6	■ P950M03510AR
4	12	50	4	■ P950M04012AR
4	12	50	6	■ P950M04012BR
4,5	12	50	6	■ P950M04512BR
5	14	50	5	■ P950M05014AR
5	14	50	6	■ P950M05014BR
5,5	14	50	6	■ P950M05514AR
6	14	50	6	■ P950M06014AR
6	20	60	6	■ P950M06020AR
6	35	75	6	■ P950M06035AR
8	25	63	8	■ P950M08025AR
10	25	72	10	■ P950M10025AR
12	25	83	12	■ P950M12025AR

Spec. P950M99

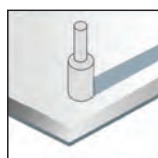
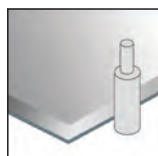
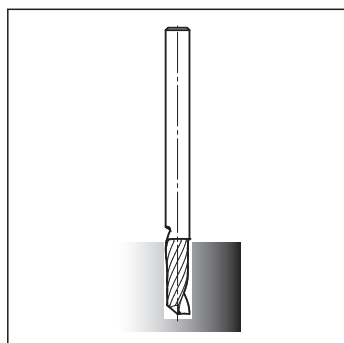
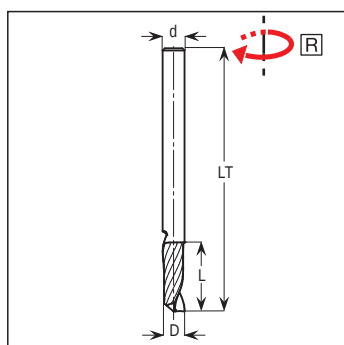
NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Aluminium 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
3X10	H3 mm (1 m/min)	H5 mm (0,5 m/min)
4X12	H8 mm (3 m/min)	H10 mm (2 m/min)
6X20	H10 mm (4 m/min)	H15 mm (3 m/min)
10X25	H15 mm (6 m/min)	H20 mm (5 m/min)

The data are indicative only, MW is not responsible for any incorrect application



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali
per pantografo
tagliente negativo

Spiral Schlichtfräser
Rechtslauf und Linksdrall
für Aluminium

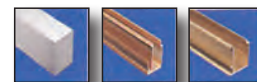
Fraises à coupes hélicoïdales
négatives pour matériaux
aluminium

Фрезы спиральные
нижний рез (негатив)

P951

ALLUMINIUM

HWM Spiral router bits/ HW - Downcut for aluminium materials



Ottenute da HW integrale • 1 tagliente elicoidale negativo • Spoglia frontale • Finitura a specchio • Scarico del truciolo verso il basso • Migliore finitura sul lato inferiore del pannello • Indicate per lavorazioni su materiali compositi, plastici e suoi derivati

Obtained from massiv carbide • 1 negative spiral teeth • Mirror finish • Downwards chip removal • Better surface finish on the lower side of the panel • Indicated for applications in composite materials, plastic and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
1,5	6	40	3	■ P951M01506AR
2	10	40	2	■ P951M02010AR
2	8	40	3	■ P951M02008AR
2	6	50	6	■ P951M02006AR
2,5	8	50	6	■ P951M02508AR
3	10	40	3	■ P951M03010AR
3	10	50	6	■ P951M03010BR
3,5	10	50	6	■ P951M03510AR
4	12	50	4	■ P951M04012AR
4	12	50	6	■ P951M04012BR
4,5	12	50	6	■ P951M04512BR
5	14	50	5	■ P951M05014AR
5	14	50	6	■ P951M05014BR
5,5	14	50	6	■ P951M05514AR
6	14	50	6	■ P951M06014AR
6	20	60	6	■ P951M06020AR
6	35	75	6	■ P951M06035AR
8	25	63	8	■ P951M08025AR
10	25	72	10	■ P951M10025AR
12	25	83	12	■ P951M12025AR

Spec. P951M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Aluminium 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
3X10	H3 mm (1 m/min)	H5 mm (0,5 m/min)
4X12	H8 mm (3 m/min)	H10 mm (2 m/min)
6X20	H10 mm (4 m/min)	H15 mm (3 m/min)
10X25	H15 mm (6 m/min)	H20 mm (5 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali
per pantografo
tagliente positivo

Spiral Schlichtfräser
Rechtslauf und Rechtsdrall
für Plastik

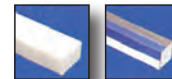
Fraises à coupes hélicoïdales
positives pour matériaux
plastiques

Фрезы спиральные
верхний рез (позитив)

P952

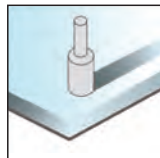
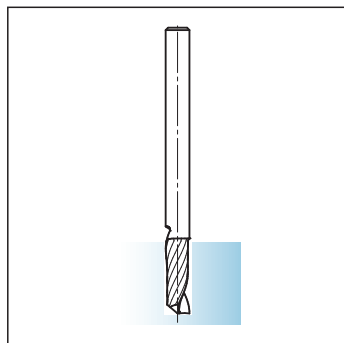
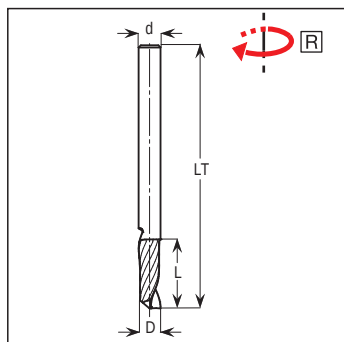
PLASTIC

HWM Spiral router bits/ HW - Upcut for plastic materials



Ottenute da HW integrale • 1 tagliente elicoidale positivo • Spoglia frontale • Finitura a specchio • Scarico del truciolo verso l'alto • Migliore finitura sul lato superiore del pannello • Indicate per lavorazioni su materiali plastici e simili

Obtained from massiv carbide • 1 negative spiral teeth • Mirror finish • Upwards chip removal • Better surface finish on the upper side of the panel • Indicated for plastic applications and such



Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
1,5	6	40	3	■ P952M01506AR
2	6	40	3	■ P952M02006AR
2	10	40	2	■ P952M02010AR
2	12	60	6	■ P952M02012AR
2,5	6	40	2,5	■ P952M02506AR
3	12	40	3	■ P952M03012AR
3	10	60	6	■ P952M03010AR
3	12	60	6	■ P952M03012BR
3	15	60	6	■ P952M03015AR
4	15	40	4	■ P952M04015AR
4	15	60	6	■ P952M04015BR
5	16	50	5	■ P952M05016AR
5	16	60	6	■ P952M05016BR
6	20	60	6	■ P952M06020AR
6	30	60	6	■ P952M06030AR
6	35	75	6	■ P952M06035AR
8	22	63	8	■ P952M08022AR
8	40	100	8	■ P952M08040AR
10	25	72	10	■ P952M10025AR
12	30	83	12	■ P952M12030AR
14	30	83	14	■ P952M14030AR
16	35	92	16	■ P952M16035AR
18	35	92	18	■ P952M18035AR
20	40	104	20	■ P952M20040AR
Spec.				P952M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Plastic 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
3X10	H3 mm (1 m/min)	H5 mm (0,5 m/min)
4X12	H8 mm (3 m/min)	H10 mm (2 m/min)
6X20	H10 mm (4 m/min)	H15 mm (3 m/min)
10X25	H15 mm (6 m/min)	H20 mm (5 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali
per pantografo
tagliente negativo

Spiral Schlichtfräser
Rechtslauf und Linksdrall
für Plastik

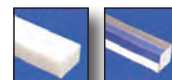
Fraises à coupes hélicoïdales
négatives pour matériaux
plastiques

Фрезы спиральные
нижний рез (негатив)

P953

PLASTIC

HWM Spiral router bits/ HW - Downcut for plastic materials



Ottenute da HW integrale • 1 tagliente elicoidale negativo • Spoglia frontale • Finitura a specchio • Scarico del truciolo verso il basso • Migliore finitura sul lato superiore del pannello • Indicate per lavorazioni su materiali plastici e simili

Obtained from massiv carbide • 1 negative spiral teeth • Mirror finish • Downwards chip removal • Better surface finish on the upper side of the panel • Indicated for plastic applications and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
1,5	6	40	3	■ P953M01506AR
2	6	40	3	■ P953M02006AR
2	10	40	2	■ P953M02010AR
2	12	60	6	■ P953M02012AR
2,5	6	40	2,5	■ P953M02506AR
3	12	40	3	■ P953M03012AR
3	10	60	6	■ P953M03010AR
3	12	60	6	■ P953M03012BR
3	15	60	6	■ P953M03015AR
4	15	40	4	■ P953M04015AR
4	15	60	6	■ P953M04015BR
5	16	50	5	■ P953M05016AR
5	16	60	6	■ P953M05016BR
6	20	60	6	■ P953M06020AR
6	30	70	6	■ P953M06030AR
6	35	75	6	■ P953M06035AR
8	22	63	8	■ P953M08022AR
8	40	100	8	■ P953M08040AR
10	25	72	10	■ P953M10025AR
12	30	83	12	■ P953M12030AR
14	30	83	14	■ P953M14030AR
16	35	92	16	■ P953M16035AR
18	35	92	18	■ P953M18035AR
20	40	104	20	■ P953M20040AR

Spec.				P953M99
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NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

Plastic 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
3X10	H3 mm (1 m/min)	H5 mm (0,5 m/min)
4X12	H8 mm (3 m/min)	H10 mm (2 m/min)
6X20	H10 mm (4 m/min)	H15 mm (3 m/min)
10X25	H15 mm (6 m/min)	H20 mm (5 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

 **Punte sferiche a taglienti elicoidali positivi a raggio convesso**

 **Spiralschichtfräser mit sphärisch Profile**

 **Fraises à coupes hélicoïdales positives pour profil gorge**

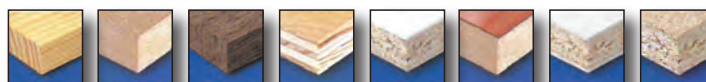
 **Фрезы спиральные с радиусным торцом верхний рез (позитив)**



P280

NEW

HWM Spiral router bits/ HW - Upcut rounded profile



Ottenute da HW integrale • 2 taglienti elicoidali positivi • Spoglia frontale • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per fresature interne su legno, suoi derivati, materiali plastici e suoi derivati

Obtained from massiv carbide • 2 positive spirals teeth • With bottom clearance angle • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

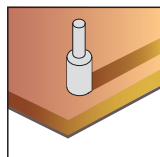
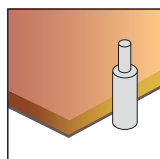
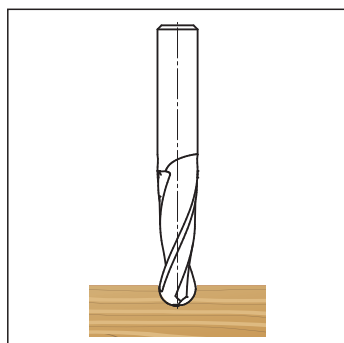
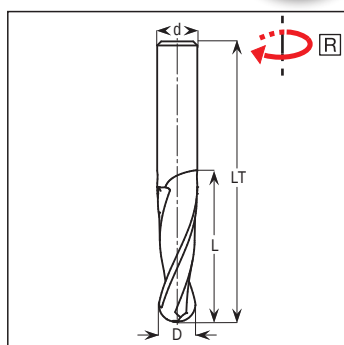
Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	R	L	LT	d	Code
6	3	27	70	6	■ P280M0600AAR
8	4	32	80	8	■ P280M0800AAR
10	5	32	80	10	■ P280M1000AAR
12	6	35	80	12	■ P280M1200AAR
12,7	6,35	31,75	76,2	12,7	■ P280M1270AAR
16	8	55	110	16	■ P280M1600AAR
Spec.					P280M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali
per pantografo tagliente
positivo



Spiralschlichtfräser
Rechtslauf und Rechtsdrall



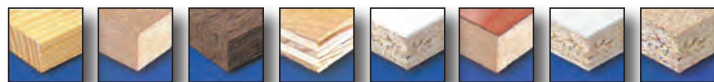
Fraises à coupes
hélicoïdales positives



Фрезы спиральные
верхний рез (позитив)

P282

HWM Spiral router bits/ HW - Upcut



Ottenute da HW integrale • 1 tagliente elicoidale positivo • Spoglia frontale • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per fresature interne su legno, suoi derivati, materiali plastici e suoi derivati

Obtained from massiv carbide • 1 positive spiral tooth • With bottom clearance angle • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
3	12	50	● P282M0312AAR
4	13	50	● P282M0413AAR
5	17	50	● P282M0517AAR
6	17	50	● P282M0617AAR
6	27	60	● P282M0627AAR
8	22	60	● P282M0822AAR
8	32	70	● P282M0832AAR
Spec. Left			
Spec. Right			
			P282M99L
			P282M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H10 mm (3 m/min)
5X17	H15 mm (3 m/min)
6X17	H15 mm (4,5 m/min)
8X22	H20 mm (7,5 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H10 mm (2 m/min)
5X17	H15 mm (2 m/min)
6X17	H15 mm (3 m/min)
8X22	H20 mm (5 m/min)

HPL 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H8 mm (2 m/min)
5X17	H10 mm (2 m/min)
6X17	H10 mm (3 m/min)
8X22	H15 mm (4 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali
per pantografo
tagliente negativo

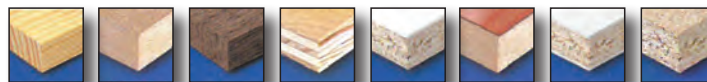
Spiralschichtfräser
Rechtslauf und Linksdrall

Fraises à coupes
hélicoïdales négatives

Фрезы спиральные
нижний рез (негатив)

P283

HWM Spiral router bits/ HW - Downcut



Ottenute da HW integrale • 1 tagliente elicoidale negativo • Spoglia frontale • Scarico del truciolo verso il basso • Migliore finitura sul lato superiore del pannello • Indicate per fresature interne su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 1 negative spiral teeth • With bottom clearance angle • Downwards chip removal • Better surface finish on the upper side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

Z1

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
3	12	50	● P283M0312AAR
4	13	50	● P283M0413AAR
5	17	50	● P283M0517AAR
6	17	50	● P283M0617AAR
6	27	60	● P283M0627AAR
8	22	60	● P283M0822AAR
8	32	70	● P283M0832AAR
Spec. Left P283M99L			
Spec. Right P283M99R			

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H10 mm (3 m/min)
5X17	H15 mm (3 m/min)
6X17	H15 mm (4,5 m/min)
8X22	H20 mm (7,5 m/min)

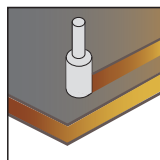
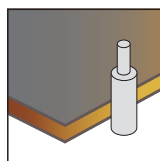
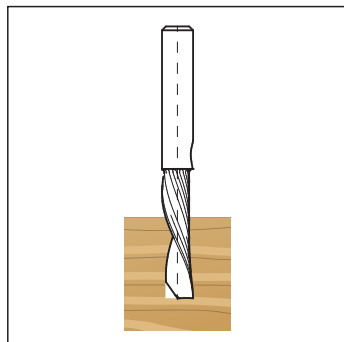
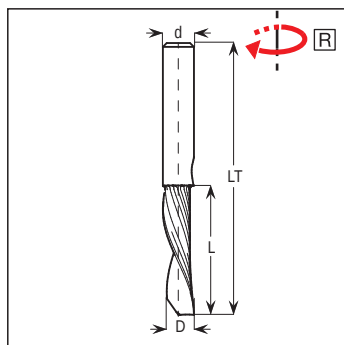
Hard wood 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H10 mm (2 m/min)
5X17	H15 mm (2 m/min)
6X17	H15 mm (3 m/min)
8X22	H20 mm (5 m/min)

HPL 18000 – 24000 RPM

Dimensions	Work thickness
4X13	H8 mm (2 m/min)
5X17	H10 mm (2 m/min)
6X17	H10 mm (3 m/min)
8X22	H15 mm (4 m/min)

The data are indicative only, MW is not responsible for any incorrect application



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali
per pantografo
tagliente positivo

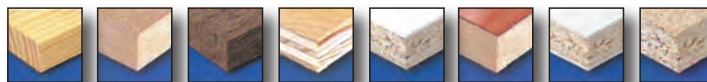
Spiralschlichtfräser
Rechtslauf und Rechtsdrall

Fraises à coupes
hélicoïdales positives

Фрезы спиральные
верхний рез (позитив)

P284

HWM Spiral router bits/ HW - Upcut



Ottenute da HW integrale • 2 taglienti elicoidali positivi • Spoglia frontale • Scarico del truciolo verso l'alto • Migliore finitura su lato inferiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 2 positive spirals teeth • With bottom clearance angle • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
3	12	50	● P284M0312AAR
4	12	50	● P284M0412AAR
5	17	50	● P284M0517AAR
6	17	50	● P284M0617AAR
6	27	60	● P284M0627AAR
8	22	60	● P284M0822AAR
8	32	70	● P284M0832AAR
10	25	65	● P284M1025AAR
10	32	70	● P284M1032AAR
10	42	90	● P284M1042AAR
12	32	80	● P284M1232AAR
12	42	90	● P284M1242AAR
12	52	100	● P284M1252AAR
14	42	100	● P284M1442AAR
14	52	110	● P284M1452AAR
16	42	100	● P284M1642AAR
16	52	110	● P284M1652AAR
18	52	110	● P284M1852AAR
18	62	120	● P284M1862AAR
20	52	110	● P284M2052AAR
20	62	120	● P284M2062AAR
20	72	130	● P284M2072AAR

Spec. Left

P284M99L

Spec. Right

P284M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
6X17	H10 mm (4 m/min)	H15 mm (3 m/min)
12X32	H20 mm (8 m/min)	H30 mm (6 m/min)
20X52	H40 mm (10 m/min)	H50 mm (8 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
6X17	H10 mm (3 m/min)	H15 mm (2 m/min)
12X32	H20 mm (6 m/min)	H30 mm (5 m/min)
20X52	H40 mm (8 m/min)	H50 mm (6 m/min)

HPL 18000 – 24000 RPM

Dimensions	Work thickness
6X17	H10 mm (3 m/min)
12X32	H28 mm (4 m/min)
20X52	H40 mm (4,5–5 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali
per pantografo
taglienti negativi

Spiralschichtfräser
Rechtslauf und Linksdrill

Fraises à coupes
hélicoïdales négatives

Фрезы спиральные
нижний рез (негатив)

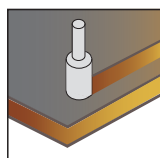
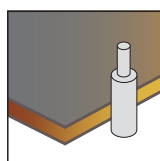
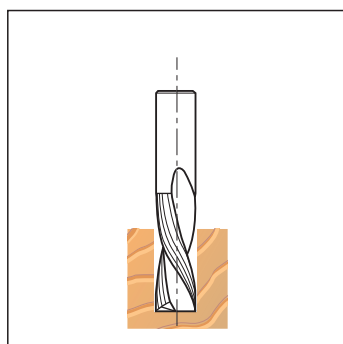
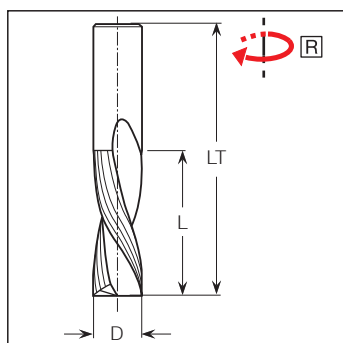
P285

HWM Spiral router bits/ HW- Downcut



Ottenute da HW integrale • 2 taglienti elicoidali negativi • Spoglia frontale • Scarico del truciolo verso il basso • Migliore finitura su lato superiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 2 negative spirals with bottom clearance angle • Downwards chip removal • Better surface finish on the upper side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
3	12	50	● P285M0312AAR
4	12	50	● P285M0412AAR
5	17	50	● P285M0517AAR
6	17	50	● P285M0617AAR
6	27	60	● P285M0627AAR
8	22	60	● P285M0822AAR
8	32	70	● P285M0832AAR
10	25	65	● P285M1025AAR
10	32	70	● P285M1032AAR
10	42	90	● P285M1042AAR
12	32	80	● P285M1232AAR
12	42	90	● P285M1242AAR
12	52	100	● P285M1252AAR
14	42	100	● P285M1442AAR
14	52	110	● P285M1452AAR
16	42	100	● P285M1642AAR
16	52	110	● P285M1652AAR
18	52	110	● P285M1852AAR
18	62	120	● P285M1862AAR
20	52	110	● P285M2052AAR
20	62	120	● P285M2062AAR
20	72	130	● P285M2072AAR

Spec. Left

P285M99L

Spec. Right

P285M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
6X17	H10 mm (4 m/min)	H15 mm (3 m/min)
12X32	H20 mm (8 m/min)	H30 mm (6 m/min)
20X52	H40 mm (10 m/min)	H50 mm (8 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
6X17	H10 mm (3 m/min)	H15 mm (2 m/min)
12X32	H20 mm (6 m/min)	H30 mm (5 m/min)
20X52	H40 mm (8 m/min)	H50 mm (6 m/min)

HPL 18000 – 24000 RPM

Dimensions	Work thickness
6X17	H10 mm (3 m/min)
12X32	H28 mm (4 m/min)
20X52	H40 mm (4,5–5 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali
per pantografo
taglienti positivi

Spiralschlichtfräser
Rechtslauf und Rechtsdrall

Fraises à coupes
hélicoïdales positives

Фрезы спиральные
верхний рез (позитив)

P286

HWM Spiral router bits/ HW- Ucut



Ottenute da HW integrale • 3 taglienti elicoidali positivi • Spoglia frontale • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 3 positive spirals teeth • With bottom clearance angle • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	● P286M0822AAR
8	32	70	● P286M0832AAR
10	25	65	● P286M1025AAR
10	32	70	● P286M1032AAR
10	42	90	● P286M1042AAR
10	52	100	● P286M1052AAR
12	32	80	● P286M1232AAR
12	42	90	● P286M1242AAR
12	52	100	● P286M1252AAR
14	42	100	● P286M1442AAR
14	52	110	● P286M1452AAR
16	42	100	● P286M1642AAR
16	52	110	● P286M1652AAR
18	52	110	● P286M1852AAR
18	62	120	● P286M1862AAR
20	52	110	● P286M2052AAR
20	62	120	● P286M2062AAR
20	72	130	● P286M2072AAR
20	102	160	● P286M20102AR
Spec. Left		P286M99L	
Spec. Right		P286M99R	

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (7 m/min)
14X42	H30 mm (9 m/min)	H40 mm (8 m/min)
20X52	H40 mm (10–11 m/min)	H50 mm (9 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (6 m/min)	H30 mm (5 m/min)
14X42	H30 mm (7 m/min)	H40 mm (6 m/min)
20X52	H40 mm (8 m/min)	H50 mm (7 m/min)

MDF 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (6 m/min)	H30 mm (5 m/min)
14X42	H30 mm (7 m/min)	H40 mm (6 m/min)
20X52	H40 mm (8 m/min)	H50 mm (7 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali
per pantografo
taglienti negativi

Spiralschichtfräser
Rechtslauf und Linksdrill

Fraises à coupes
hélicoïdales négatives

Фрезы спиральные
нижний рез (негатив)

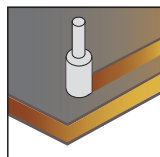
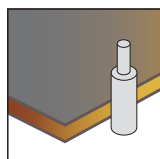
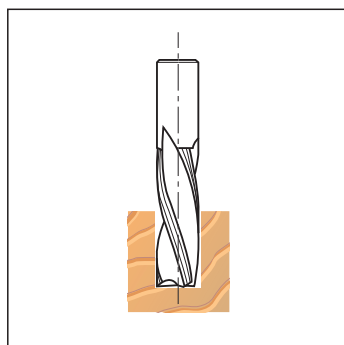
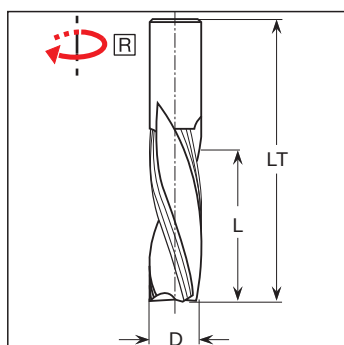
P287

HWM Spiral router bits/ HW- Downcut



Ottenute da HW integrale • 3 taglienti elicoidali negativi con spoglia frontale • Scarico del truciolo verso il basso • Migliore finitura sul lato superiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 3 negative spirals teeth • With bottom clearance angle • Downwards chip removal • Better surface finish on the upper side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such



Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	● P287M0822AAR
8	32	70	● P287M0832AAR
10	25	70	● P287M1025AAR
10	32	80	● P287M1032AAR
10	42	90	● P287M1042AAR
10	52	100	● P287M1052AAR
12	32	90	● P287M1232AAR
12	42	100	● P287M1242AAR
12	52	100	● P287M1252AAR
14	42	100	● P287M1442AAR
14	52	110	● P287M1452AAR
16	42	110	● P287M1642AAR
16	52	120	● P287M1652AAR
18	52	120	● P287M1852AAR
18	62	130	● P287M1862AAR
20	52	120	● P287M2052AAR
20	62	130	● P287M2062AAR
20	72	140	● P287M2072AAR
20	102	160	● P287M20102AR
Spec. Left			P287M99L
Spec. Right			P287M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (7 m/min)
14X42	H30 mm (9 m/min)	H40 mm (8 m/min)
20X52	H40 mm (10–11 m/min)	H50 mm (9 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (6 m/min)	H30 mm (5 m/min)
14X42	H30 mm (7 m/min)	H40 mm (6 m/min)
20X52	H40 mm (8 m/min)	H50 mm (7 m/min)

MDF 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (6 m/min)	H30 mm (5 m/min)
14X42	H30 mm (7 m/min)	H40 mm (6 m/min)
20X52	H40 mm (8 m/min)	H50 mm (7 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali per pantografo taglienti positivi con rompitrucciolo



Spiralschruppfräser
Rechtslauf und Rechtsdrall



Mèches à défoncer en
carbure monobloc ébauchée
hélicoïdales positive



Фрезы спиральные со
стружколомом верхний рез
(позитив)

P288

HWM Spiral router bits/ HW- Upcut with chipbreaker

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

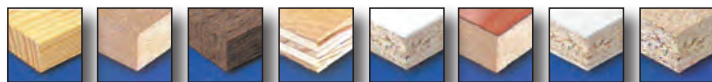
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Ottenute da HW integrale • 3 taglienti elicoidali positivi • Dotate di rompitrucciolo sagomato • Spoglia frontale • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 3 positive spirals teeth • With chipbreaker • Bottom clearance angle • Upwards chip removal • Better surface finish on the lower side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such

Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	● P288M0822AAR
8	32	70	● P288M0832AAR
10	25	65	● P288M1025AAR
10	32	70	● P288M1032AAR
10	42	90	● P288M1042AAR
10	52	100	● P288M1052AAR
12	32	80	● P288M1232AAR
12	42	90	● P288M1242AAR
12	52	100	● P288M1252AAR
14	42	100	● P288M1442AAR
14	52	110	● P288M1452AAR
16	42	100	● P288M1642AAR
16	52	110	● P288M1652AAR
18	52	110	● P288M1852AAR
18	62	120	● P288M1862AAR
20	52	110	● P288M2052AAR
20	62	120	● P288M2062AAR
20	72	130	● P288M2072AAR
20	102	160	● P288M20102AR
Spec. Left			P288M99L
Spec. Right			P288M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (10 m/min)	H30 mm (8 m/min)
16X42	H30 mm (12 m/min)	H40 mm (10 m/min)
20X52	H40 mm (15 m/min)	H50 mm (12 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (5 m/min)
16X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X52	H40 mm (12 m/min)	H50 mm (10 m/min)

MDF 18000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (6 m/min)
16X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X52	H40 mm (12 m/min)	H50 mm (10 m/min)

The data are indicative only, MW is not responsible for any incorrect application

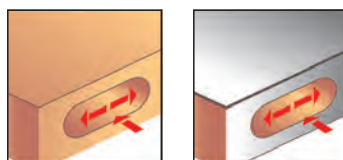
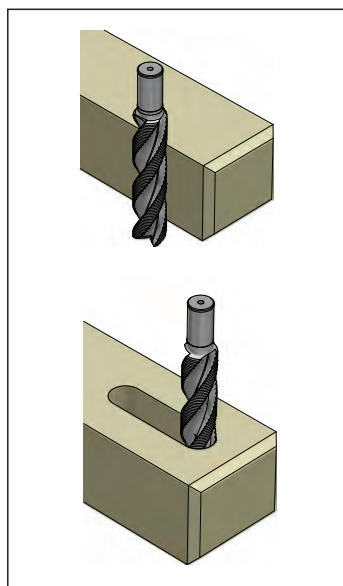
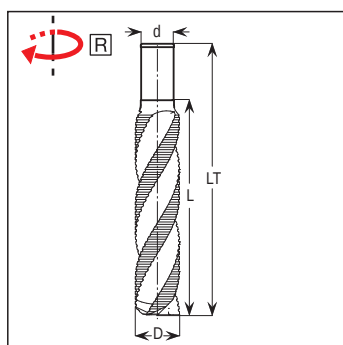
P288S

HS Spiral router bits / Upcut with chipbreaker for beamworking



Ottenute da acciaio HS • 3 taglienti elicoidali positivi • Dotate di rompitrucciolo sagomato • Spoglia frontale • Scarico del truciolo verso l'alto • Ottima performance nella lavorazione delle travi • Indicate per fresature interne e contornature su legno, suoi derivati

Obtained from steel HS • 3 positive spirals teeth • With chipbreaker • Bottom clearance angle • Upwards chip removal • Excellent performance on beamworking • Indicated for grooving and cutting on edge solid wood, wood composite



Z2/3 RTR

● = Ready in stock ■ = Delivery time 20 working days △ = On request

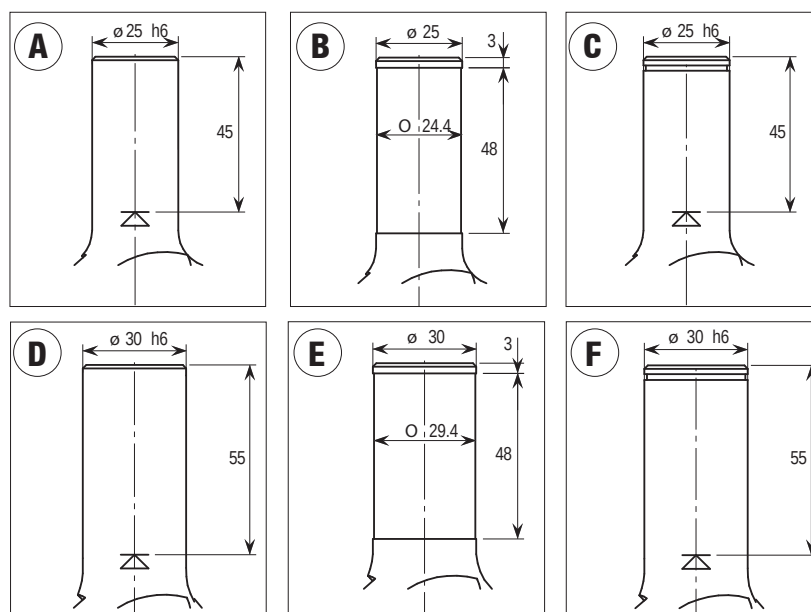
D	L	LT	d	Mod.	Z	Code
10	45	95	10		2	△ P288S10045AR
12	55	110	12		2	△ P288S12055AR
16	65	120	16		3	△ P288S16065AR
18	75	125	16		3	△ P288S18075AR
20	100	150	20		3	△ P288S20100AR
25	140	200	25/24,4	B	3	△ P288S25140AR
30	150	210	30/29,4	E	3	△ P288S30150AR
32	160	235	30/29,4	E	3	● P288S32165AR
40	165	230	30/29,4	E	3	● P288S40165AR
40	215	280	30/29,4	E	3	△ P288S40215AR
40	230	295	30/29,4	E	3	△ P288S40230AR
50	250	315	30/29,4	E	3	P288S50250AR

Spec. Left						P288S99L
Spec. Right						P288S99R

NOTE

△ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Esempi di attacchi/Example of shanks



- A) Calettamento termico e hydro/ Shrink and hydro fit
- B) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- C) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- D) Calettamento termico e hydro/ Shrink and hydro fit
- E) Anello di sicurezza/Retaining ring
- F) Anello di sicurezza/Retaining ring



Punte elicoidali per
pantografo taglienti negativi
con rompitrucciolo



Spiralschruppfräser
Rechtslauf und Linksdrall



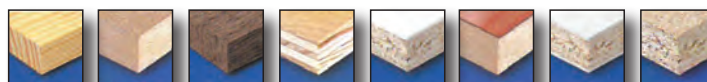
Mèches à défoncer en
carbure monobloc émbauche
hélicoïdales négative



Фрезы спиральные со
стружколомом
нижний рез (негатив)

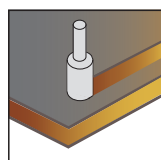
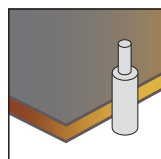
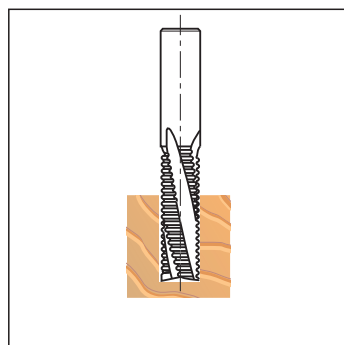
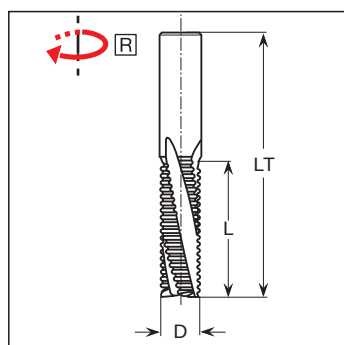
P289

HW Spiral router bits/ HW- Downcut with chipbreaker



Ottenute da HW integrale • 3 taglienti elicoidali negativi • Dotate di rompitrucciolo sagomato • Spoglia frontale • Scarico del truciolo verso il basso • Migliore finitura sul lato superiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 3 negative spirals teeth • With chipbreaker and bottom clearance angle • Downwards chip removal • Better surface finish on the upper side of the panel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such



Z3 RTR

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	● P289M0822AAR
8	32	70	● P289M0832AAR
10	25	70	● P289M1025AAR
10	32	80	● P289M1032AAR
10	42	90	● P289M1042AAR
10	52	100	● P289M1052AAR
12	32	90	● P289M1232AAR
12	42	100	● P289M1242AAR
12	52	110	● P289M1252AAR
14	42	100	● P289M1442AAR
14	52	110	● P289M1452AAR
16	42	110	● P289M1642AAR
16	52	120	● P289M1652AAR
18	52	120	● P289M1852AAR
18	62	130	● P289M1862AAR
20	52	120	● P289M2052AAR
20	62	130	● P289M2062AAR
20	72	140	● P289M2072AAR
20	102	160	■ P289M20102AR
Spec. Left			P289M99L
Spec. Right			P289M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (10 m/min)	H30 mm (8 m/min)
16X42	H30 mm (12 m/min)	H40 mm (10 m/min)
20X52	H40 mm (15 m/min)	H50 mm (12 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (5 m/min)
16X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X52	H40 mm (12 m/min)	H50 mm (10 m/min)

MDF 18000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (8 m/min)	H30 mm (6 m/min)
16X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X52	H40 mm (12 m/min)	H50 mm (10 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

 **Punte elicoidali per pantografo taglienti alternati**

 **Spiralschlichtfräser up-down**

 **Mèches à défoncer en carbure monobloc spirale négative+positive**

 **Фрезы спиральные компенсационные (up&down)**



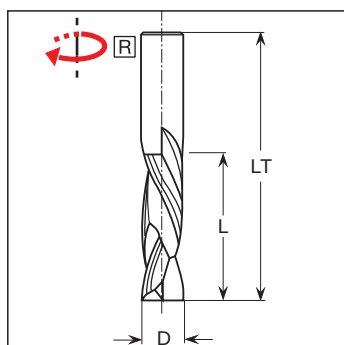
P294

HWM Spiral router bits - Up and down



Ottenute da HW integrale • Taglienti elicoidali 2 negativi e 2 positivi • Spoglia frontale • Buona finitura su entrambi i lati del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 2 negative spiral teeth • 2 positive spirale teeth • with bottom clearance angle • Good surface finish on both sides of the pannel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such



NOTE

 Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Z2+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	30	90	● P294M0830AAR
10	30	90	● P294M1030AAR
10	40	100	● P294M1040AAR
10	50	110	● P294M1050AAR
12	30	90	● P294M1230AAR
12	40	100	● P294M1240AAR
12	50	110	● P294M1250AAR
14	30	100	● P294M1430AAR
14	40	110	● P294M1440AAR
14	50	120	● P294M1450AAR
16	30	100	● P294M1630AAR
16	40	110	● P294M1640AAR
16	50	120	● P294M1650AAR

Spec.

P294M99R

 **Punte elicoidali per pantografo taglienti alternati**

 **Spiralschlichtfräser up-down**

 **Mèches à défoncer en carbure monobloc spirale négative+positive**

 **Фрезы спиральные компенсационные (up&down)**

P295

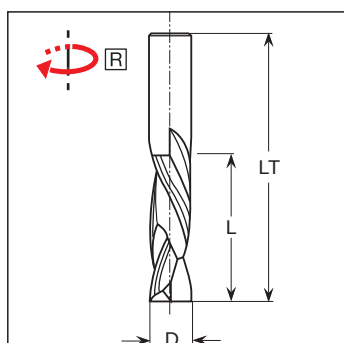
NEW

HWM + MWD Nesting spiral router bits - Up and down



Ottenute da HW integrale • Taglienti elicoidali 2 negativi e 2 positivi • Spoglia frontale • Rivestimento superficiale MWD • Buona finitura su entrambi i lati del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili

Obtained from massiv carbide • 2 negative spiral teeth • 2 positive spirale teeth • MWD surface coating • With bottom clearance angle • Good surface finish on both sides of the pannel • Indicated for grooving and cutting on edge solid wood, wood composite, plastics and such



Z2+2 / Z3+3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Z	Code
10	22	70	2+2	● P295M1022AAR
12	30	80	2+2	● P295M1230AAR
10	22	70	3+3	● P295M1022ABR
12	30	80	3+3	● P295M1230ABR

Spec.

P295M99R

NOTE

 Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte ad elica
contrapposta continua

Schlichtfräser
up-down

Mèches à défoncer
en carbure monobloc spirale
négative positive

Фрезы компенсационные
(up&down)

P296

HWM Router bits with continuous and opposite spiral



Costruite in HW integrale • 2 eliche contrapposte continue concave • Idonee per fresare pannelli in legno massiccio, in truciolare ed in MDF rivestiti entrambi i lati • Finitura migliore rispetto alle punte con doppia elica contrapposta interrotta

Obtained from massiv carbide • 2 continuous and opposite spiral • Indicated for cutting on edge solid wood, chipboard and MDF lined on both sides • Better finishing than the router bits with double uncontinuous and opposite one

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
10	15	65	■ P296M1015AAR
10	20	70	■ P296M1020AAR
10	25	75	■ P296M1025AAR
10	30	80	■ P296M1030AAR
12	15	65	■ P296M1215AAR
12	20	70	■ P296M1220AAR
12	25	75	■ P296M1225AAR
12	30	80	■ P296M1230AAR
12	35	85	● P296M1235AAR
16	15	65	■ P296M1615AAR
16	20	70	■ P296M1620AAR
16	25	75	■ P296M1625AAR
16	30	80	■ P296M1630AAR
16	35	85	■ P296M1635AAR
16	40	90	■ P296M1640AAR

Spec.

P296M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **10 pezzi**.
Tools not ready in stock minimum order quantity: **10 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

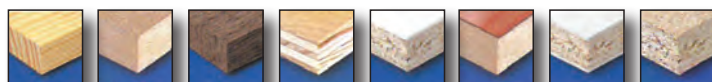
FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

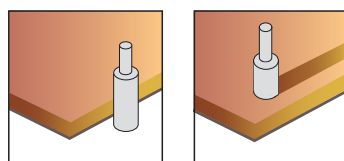
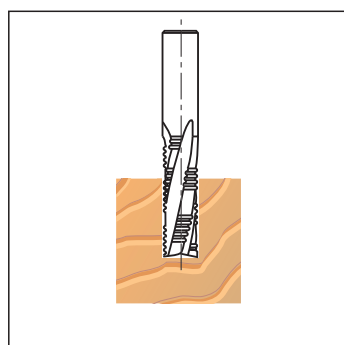
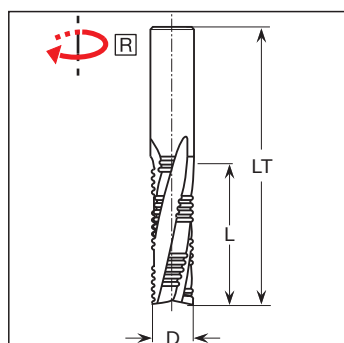
P302

HWM Spiral router bits/ HW - Upcut - Uncontinuous chipbreaker



Ottenute da HW integrale • 3 taglienti elicoidali positivi • Rompitruciolo interrotto alternato • Scarico del truciolo verso l'alto • Migliore finitura sul lato inferiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili • Adatte per grosse asportazioni con sforzo ridotto e ottimo grado di finitura

Obtained from massiv carbide • 3 positive spiral teeth • With uncontinuous opposite chipbreaker • Bottom clearance angle • Upwards chip removal • Better finishing on the bottom side of the pannel • Indicated for grooving and cutting on edge solid wood, wood composites, plastics and such • Suitable for big removals with reduced shearing stress and very good finishing



Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	● P302M0822AAR
8	32	70	● P302M0832AAR
10	25	65	● P302M1025AAR
10	32	70	● P302M1032AAR
10	42	90	● P302M1042AAR
12	32	80	● P302M1232AAR
12	42	90	● P302M1242AAR
12	52	100	● P302M1252AAR
14	42	100	● P302M1442AAR
14	52	110	● P302M1452AAR
16	42	100	● P302M1642AAR
16	52	110	● P302M1652AAR
18	52	110	● P302M1852AAR
18	62	120	● P302M1862AAR
20	52	110	● P302M2052AAR
20	62	120	● P302M2062AAR
20	72	130	● P302M2072AAR

Spec.

P302M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (9 m/min)	H30 mm (7 m/min)
14X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X54	H45 mm (12 m/min)	H50 mm (10 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (7 m/min)	H30 mm (4 m/min)
14X42	H30 mm (8 m/min)	H40 mm (7 m/min)
20X52	H45 mm (10 m/min)	H50 mm (8 m/min)

MDF 18000–24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (7 m/min)	H30 mm (4 m/min)
14X42	H30 mm (8 m/min)	H40 mm (7 m/min)
20X52	H45 mm (10 m/min)	H50 mm (8 m/min)

The data are indicative only, MW is not responsible for any incorrect application

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali per
pantografo taglienti negativi
Rompitruciolo alternato



Spiralschruppfräser
Rechtslauf und Linksdrall



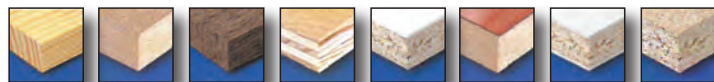
Mèches à défoncer en
carbure monobloc émbauche
spirale négatif



Фрезы спиральные со
стружколомом нижний рез
(негатив)

P303

HWM Spiral router bits/ HW - Downcut - Uncontinuous chipbreaker



Ottenute da HW integrale • 3 taglienti elicoidali negativi • Rompitruciolo interrotto alternato • Spoglia frontale • Scarico del truciolo verso il basso • Migliore finitura sul lato superiore del pannello • Indicate per fresature interne e contornature su legno, suoi derivati, materiali plastici e simili • Adatte per grosse asportazioni con sforzo ridotto e ottimo grado di finitura

Obtained from massiv carbide • 3 negative spiral teeth • With uncontinuous opposite chipbreaker • Bottom clearance angle • Downwards chip removal • Better finishing on the up side of the pannel • Indicated for grooving and cutting on edge solid wood, wood composites, plastics and such • Suitable for big removals with reduced shearing stress and very good finishing

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

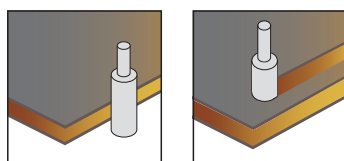
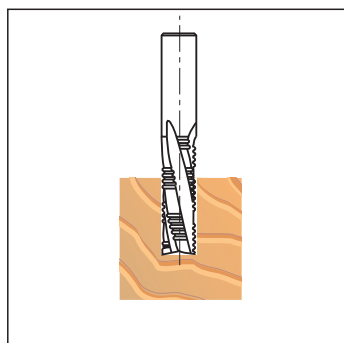
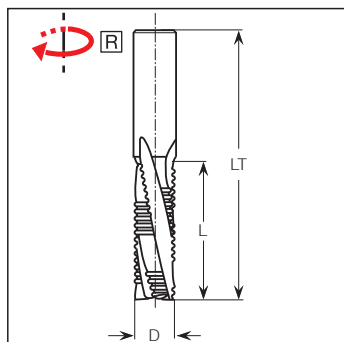
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	Code
8	22	60	■ P303M0822AAR
8	32	70	■ P303M0832AAR
10	25	70	■ P303M1025AAR
10	32	80	■ P303M1032AAR
10	42	90	■ P303M1042AAR
12	32	90	■ P303M1232AAR
12	42	100	■ P303M1242AAR
12	52	110	■ P303M1252AAR
14	42	100	■ P303M1442AAR
14	52	110	■ P303M1452AAR
16	42	110	■ P303M1642AAR
16	52	120	● P303M1652AAR
18	52	120	■ P303M1852AAR
18	62	130	■ P303M1862AAR
20	52	120	● P303M2052AAR
20	62	130	■ P303M2062AAR
20	72	140	● P303M2072AAR

Spec.

P303M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi.**
Tools not ready in stock minimum order quantity: **2 pieces.**

Soft wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (9 m/min)	H30 mm (7 m/min)
14X42	H30 mm (10 m/min)	H40 mm (8 m/min)
20X54	H45 mm (12 m/min)	H50 mm (10 m/min)

Hard wood 18000 – 24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (7 m/min)	H30 mm (4 m/min)
14X42	H30 mm (8 m/min)	H40 mm (7 m/min)
20X52	H45 mm (10 m/min)	H50 mm (8 m/min)

MDF 18000–24000 RPM

Dimensions	Work thickness	Work thickness
12X32	H15 mm (7 m/min)	H30 mm (4 m/min)
14X42	H30 mm (8 m/min)	H40 mm (7 m/min)
20X52	H45 mm (10 m/min)	H50 mm (8 m/min)

The data are indicative only, MW is not responsible for any incorrect application

 Punta per scanalature profonde elica positiva (per serrature)

 Spiral Schlitzbohrer, tiefe Schlitzzen, positiv Drall (für Schlösser)

 Mèches à défoncer pour logement de boîtier de serrure

 Фрезы со стружколомом для пазов под замок верхний рез (позитив)



P307

HWM Spiral router bits for deep grooves - Upcut



Ottenute da HW integrale • 3 taglienti elicoidali positivi • Dotate di rompitruciolo sagomato • Spoglia frontale • Scarico del truciolo verso l'alto • Indicate per eseguire scanalature di serrature

Obtained from massiv carbide • 3 positive spirals • Chipbreaker • Bottom clearance angle • Upwards chip removal • Indicated to make grooves of looks

Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
14	50	150	14X50	● P307M1450AAR
14	50	170	14X50	● P307M1450ABR
16	50	150	16X50	● P307M1650AAR
16	50	170	16X50	● P307M1650ABR
Spec.				P307M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 12000 – 18000 RPM

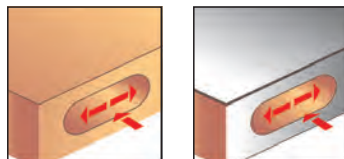
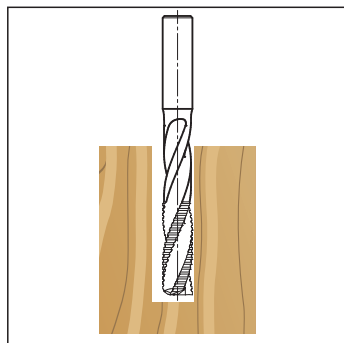
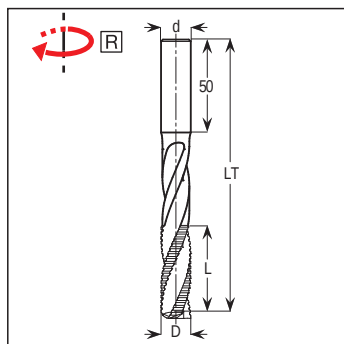
Dimensions	Work thickness	Work thickness
14X50	H4 mm (12 m/min)	H8 mm (10 m/min)
16X50	H4 mm (14 m/min)	H8 mm (12 m/min)

Hard wood 12000 – 18000 RPM

Dimensions	Work thickness	Work thickness
14X50	H4 mm (10 m/min)	H8 mm (8 m/min)
16X50	H4 mm (12 m/min)	H8 mm (10 m/min)

Each step from 4–8 mm.

The data are indicative only, MW is not responsible for any incorrect application



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte elicoidali in acciaio
a taglienti positivi
con rompitrucciolo

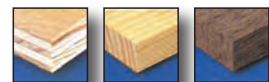
Spiralschruppfräser

Fraises à coupes
hélicoidales pour poutres
lamellées-collées

Фрезы спиральные со
стружколомом верхний рез
(позитив)

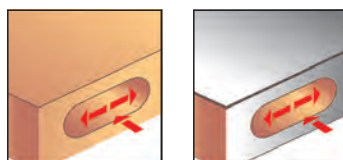
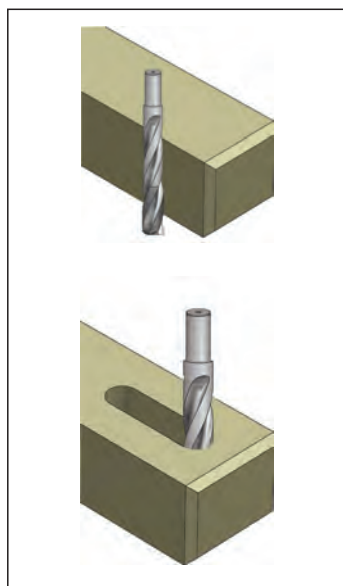
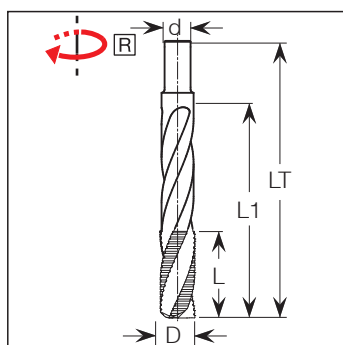
P307S

HS Spiral router bits / Upcut with chipbreaker for beamworking



Ottenute da acciaio HS • 3 taglienti elicoidali positivi • Dotate di rompitrucciolo sagomato • Spoglia frontale • Scarico del truciolo verso l'alto • Ottima performance nella lavorazione delle travi • Indicate per fresature interne e contornature su legno, suoi derivati

Obtained from steel HS • 3 positive spirals teeth • With chipbreaker • Bottom clearance angle • Upwards chip removal • Excellent performance on beamworking • Indicated for grooving and cutting on edge solid wood, wood composite



NOTE

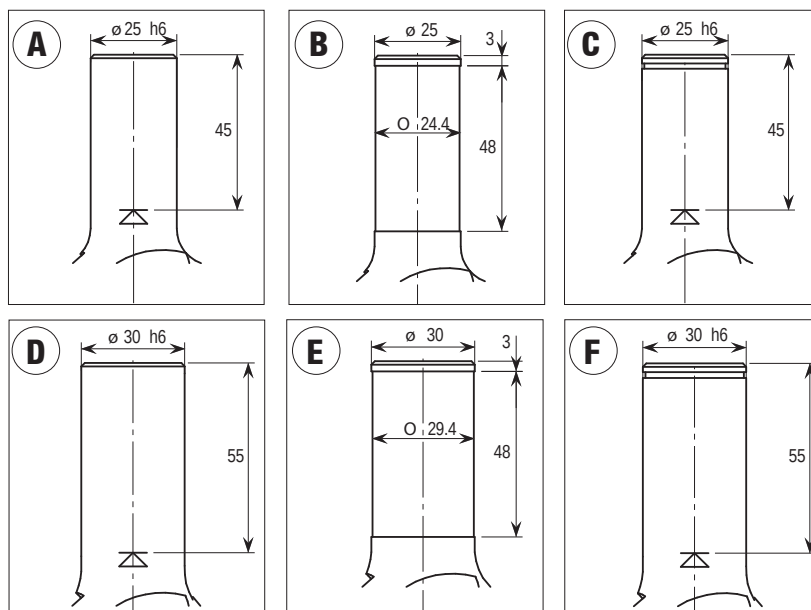
■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Z3 RTR

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	L1	LT	d	Mod.	Code
20	45	75	141	20		△ P307S20075AA
25	55	90	166	25	B	△ P307S25090BA
30	55	90	166	25	B	△ P307S30090BA
40	70	120	195	30X48	C	△ P307S40120CA
40	70	165	230	30X48	C	△ P307S40165CA
40	80	215	280	30X48	C	△ P307S40215CA
40	80	230	295	30X48	C	△ P307S40230CA
40	100	250	315	30X48	C	△ P307S40250CA
50	100	250	315	30X48	C	△ P307S50250CA
Spec. Left						P307S99L
Spec. Right						P307S99R

Esempi di attacchi/Example of shanks



- A) Calettamento termico e hydro/ Shrink and hydro fit
- B) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- C) Ribasso di sicurezza per pinze elastiche/Safety collar for collets
- D) Calettamento termico e hydro/ Shrink and hydro fit
- E) Anello di sicurezza/Retaining ring
- F) Anello di sicurezza/Retaining ring

P308

HWM Spiral router bits for deep groves - Downcut



Ottenute da HW integrale • Elica variabile concava continua • 3 taglienti elicoidali • Dotate di rompitruciolo sagomato
• Idonee per effettuare scanalature o asole su pannelli in legno massiccio, truciolare e MDF • Ottimo grado di finitura •
Senza sbavature o scheggiature • Evacuazione del truciolo facilitata

Obtained from massiv carbide • Continuos concave variable spiral • 3 positive spirals • Indicated to make holes and
grooves in solid wood, cheapwood and MDF panels • Excellent finishing • No more slight defect • Easy chip removal

Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
14	50	150	14X50	■ P308M145014R
16	50	150	16X50	■ P308M165016R
Spec.				P308M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

Soft wood 12000 – 18000 RPM

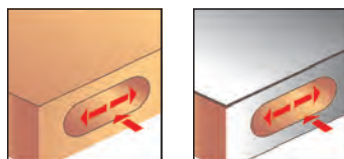
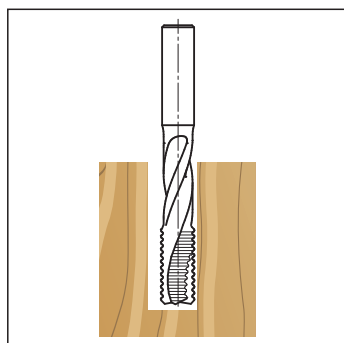
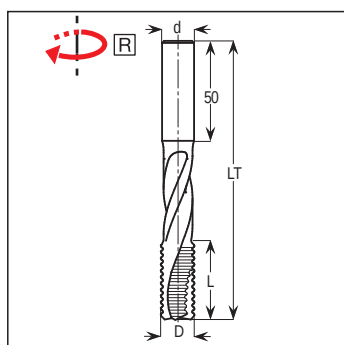
Dimensions	Work thickness	Work thickness
14X50	H4 mm (12 m/min)	H8 mm (10 m/min)
16X50	H4 mm (14 m/min)	H8 mm (12 m/min)

Hard wood 12000 – 18000 RPM

Dimensions	Work thickness	Work thickness
14X50	H4 mm (10 m/min)	H8 mm (8 m/min)
16X50	H4 mm (12 m/min)	H8 mm (10 m/min)

Each step from 4–8 mm.

The data are indicative only, MW is not responsible for any incorrect application



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per scanalature
profonde elica positiva
(per serrature)



Spiral Schlitzbohrer, tiefe
Schlitzen, positiv Drall
(für Schlösser)



Mèches à défoncer
pour logement de boîtier
de serrure



Фрезы спиральные для
дверных замков

P309

HWM + MWD Spiral router bits for deep grooves - Upcut



Ottenute da HW integrale • 3 taglienti elicoidali positivi • Dotate di rompitrucciolo sagomato • Rivestimento superficiale MWD • Spoglia frontale • Scarico del truciolo verso l'alto • Indicate per eseguire scanalature di serrature

Obtained from massiv carbide • 3 positive spirals • Chipbreaker • MWD surface coating • Bottom clearance angle • Upwards chip removal • Indicated to make grooves of looks

Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Code
14	50	150	14X50	● P309M1450AAR
14	50	170	14X50	● P309M1450ABR
16	50	150	16X50	● P309M1650AAR
16	50	170	16X50	● P309M1650ABR
Spec.				P309M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

P290**NEW****HWM Helical cutter for beamworking**

Ottenute da HW integrale • 3 taglienti elicoidali positivi • Spoglia frontale • Scarico del truciolo verso l'alto • Indicate per prime lavorazioni su legno da utilizzare per contornature su legno e simili

Obtained from massiv carbide • 3 positive spirals teeth • Bottom clearance angle • Upwards chip removal • Indicated for first wood working application for grooving and cutting on edge solid wood and such

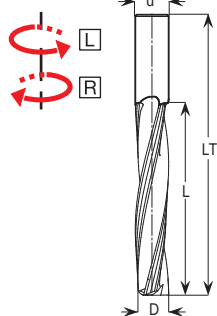
Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Rotat.	Spiral	Code
25	140	200	25*	R	POS	■ P290M25140PR
25	140	200	25*	L	POS	■ P290M25140PL
25	140	200	25*	R	NEG	■ P290M25140NR
25	140	200	25*	L	NEG	■ P290M25140NL
Spec.						P290M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte elicoidali per pantografo taglienti negativi con rompitrucciolo

Spiralschruppfräser Rechtslauf und Linksdrall

Mèches à défoncer en carbure monobloc émbauche spirale négative

Фрезы спиральные со стружколомом

P291**NEW****HWM Helical cutter with chipbreaker for beamworking**

Ottenute da HW integrale • 3 taglienti elicoidali negativi • Dotate di rompitrucciolo sagomato • Spoglia frontale • Scarico del truciolo verso il basso • Indicate per prime lavorazioni su legno da utilizzare per contornature su legno e simili

Obtained from massiv carbide • 3 negative spirals teeth • With chipbreaker and bottom clearance angle • Downwards chip removal • Indicated for first wood working application for grooving and cutting on edge solid wood and such

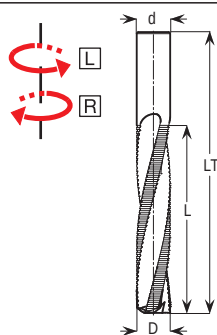
Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Rotat.	Spiral	Code
25	140	200	25*	R	POS	■ P291M25140PR
25	140	200	25*	L	POS	■ P291M25140PL
25	140	200	25*	R	NEG	■ P291M25140NR
25	140	200	25*	L	NEG	■ P291M25140NL
Spec.						P291M99

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.





 Punta a bocca di pesce per mortasare

 Pendelschlitzbohrer

 Mèches à mortaiser

 Фрезы долбежные HW для пазовальных станков

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

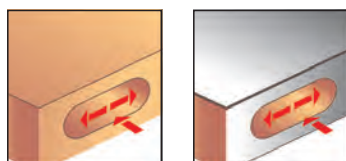
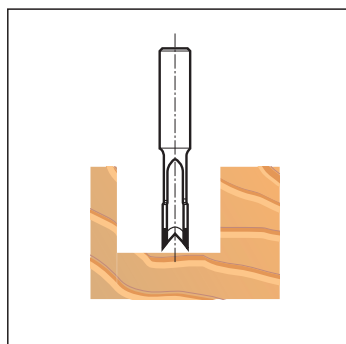
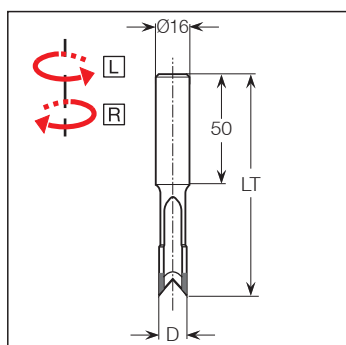
P190

HW Slots mortise bits



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti HW ambidestri • Attacco rettificato • Indicate per l'esecuzione di asole su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 2 HW teeth • Ground shank • To make grooves and mortises on solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	LT	Code
6	95	● P190M06AAAAAR
7	95	● P190M07AAAAAR
8	95	● P190M08AAAAAR
9	95	● P190M09AAAAAR
10	100	● P190M10AAAAAR
11	100	● P190M11AAAAAR
12	100	● P190M12AAAAAR
13	100	● P190M13AAAAAR
14	100	● P190M14AAAAAR
15	100	● P190M15AAAAAR
16	100	● P190M16AAAAAR

Spec.

P190M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

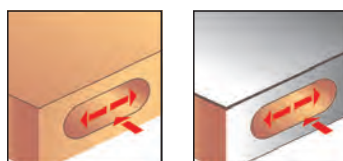
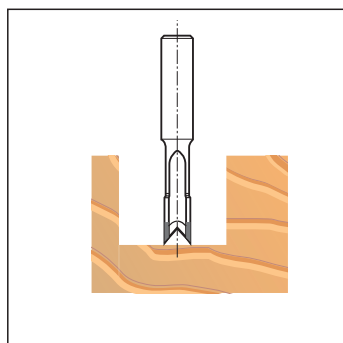
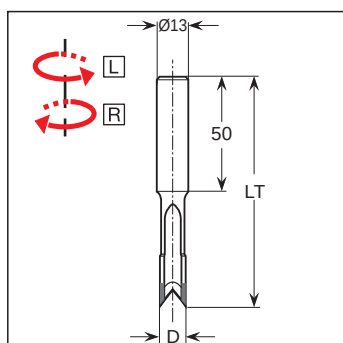
P192

HW Slots mortise bits



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti HW ambidestri • Attacco rettificato • Indicate per eseguire asole su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 2 teeth • Ground shank • Indicated to make grooves and mortises on solid wood, wood composites, laminated and such



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	LT	Code
6	95	● P192M06AAAAAR
7	95	● P192M07AAAAAR
8	95	● P192M08AAAAAR
9	95	● P192M09AAAAAR
10	100	● P192M10AAAAAR
11	100	● P192M11AAAAAR
12	100	● P192M12AAAAAR
13	100	● P192M13AAAAAR
14	100	● P192M14AAAAAR
15	100	● P192M15AAAAAR
16	100	● P192M16AAAAAR

Spec.

P192M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



 Punta a bocca di pesce per mortasare

 Pendelschlitzbohrer

 Mèches à mortaiser

 Фрезы долбежные KSS для пазовальных станков

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

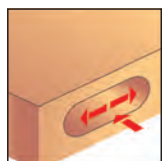
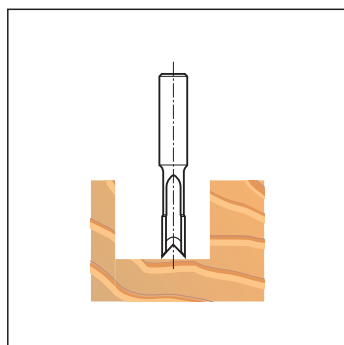
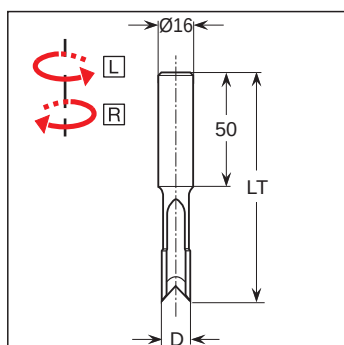
P193

HS Slots mortise bits



Ottenute da acciaio HS • 2 taglienti ambidestri • Attacco rettificato • Indicate per l'esecuzione di asole su legno naturale

Obtained from steel HS • 2 teeth • Ground shank • Indicated to make grooves and mortises on solid wood



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	LT	Code
6	100	● P193S06AAAAAR
7	100	● P193S07AAAAAR
8	100	● P193S08AAAAAR
9	100	● P193S09AAAAAR
10	110	● P193S10AAAAAR
11	110	● P193S11AAAAAR
12	110	● P193S12AAAAAR
13	110	■ P193S13AAAAAR
14	110	● P193S14AAAAAR
15	110	■ P193S15AAAAAR
16	110	● P193S16AAAAAR
18	110	● P193S18AAAAAR
20	110	■ P193S20AAAAAR

Spec.

P193S99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.



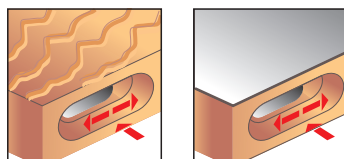
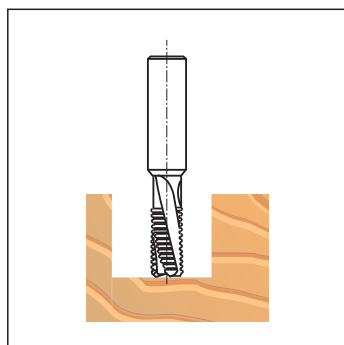
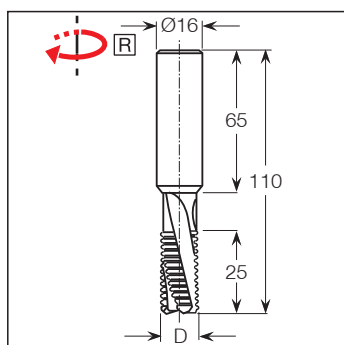
P194

HWM Spiral slot mortise bits with chipbreaker



Ottenute da HW integrale • 3 taglienti elicoidali, negativi con spoglia frontale • Dotate di rompitruciolo sagomato • Attacco in acciaio • Indicate per l'esecuzione di asole su legno naturale, suoi derivati, laminati e simili • Adatte per elevate velocità di lavoro

Obtained from massiv carbide • 3 spirals negative teeth, with bottom cut • Profiled chipbreaker • Indicated to make grooves and slots on wood, laminated and such • Suitable for high working speed



Z3

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	LT	Left Code	Right Code
8	110	● P194M08AAAAL	● P194M08AAAAAR
9	110	● P194M09AAAAL	● P194M09AAAAAR
10	110	● P194M10AAAAL	● P194M10AAAAAR
11	110	● P194M11AAAAL	● P194M11AAAAAR
12	110	● P194M12AAAAL	● P194M12AAAAAR
Spec.		P194M99L	P194M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **2 pezzi**.
Tools not ready in stock minimum order quantity: **2 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per mortasare
a taglienti dritti
con rompitrucciolo

Nutlanglochbohrer
mit Spanbrecher, gerade

Mèches à mortaiser coupes
brise-coupeaux

Фрезы долбежные со
стружколомом

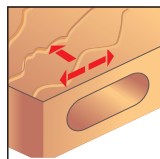
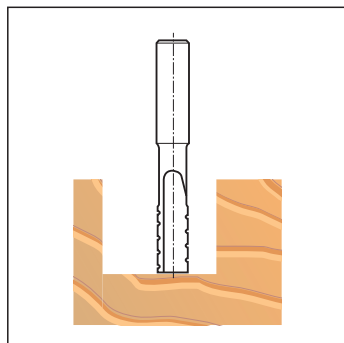
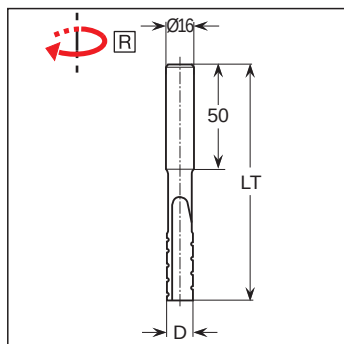
P197

HS Slots mortise bits with chipbreaker



Ottenute da acciaio HS • 2 taglienti • Dotate di rompitrucciolo • Attacco rettificato • Indicate per l'esecuzione di asole su legno naturale

Obtained from steel HS • 2 teeth • Ground shank • Indicated to make grooves and slots on solid wood



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	LT	Left Code	Right Code
6	105	● P197S06AAAAAL	● P197S06AAAAAR
7	110	● P197S07AAAAAL	● P197S07AAAAAR
8	115	● P197S08AAAAAL	● P197S08AAAAAR
9	120	● P197S09AAAAAL	● P197S09AAAAAR
10	125	● P197S10AAAAAL	● P197S10AAAAAR
11	130	● P197S11AAAAAL	● P197S11AAAAAR
12	135	● P197S12AAAAAL	● P197S12AAAAAR
13	140	● P197S13AAAAAL	● P197S13AAAAAR
14	145	● P197S14AAAAAL	● P197S14AAAAAR
15	150	● P197S15AAAAAL	● P197S15AAAAAR
16	155	● P197S16AAAAAL	● P197S16AAAAAR
17	160	● P197S17AAAAAL	● P197S17AAAAAR
18	165	● P197S18AAAAAL	● P197S18AAAAAR
19	170	● P197S19AAAAAL	● P197S19AAAAAR
20	175	● P197S20AAAAAL	● P197S20AAAAAR
21	180	● P197S21AAAAAL	● P197S21AAAAAR
22	180	● P197S22AAAAAL	● P197S22AAAAAR
23	180	● P197S23AAAAAL	● P197S23AAAAAR
24	180	● P197S24AAAAAL	● P197S24AAAAAR
25	180	● P197S25AAAAAL	● P197S25AAAAAR

Spec.	P197S99L	P197S99R
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NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

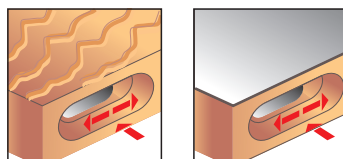
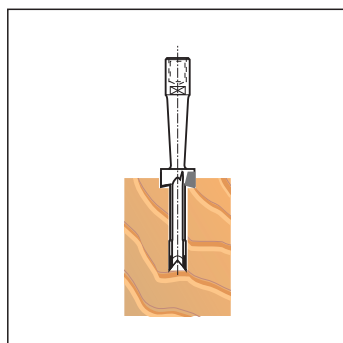
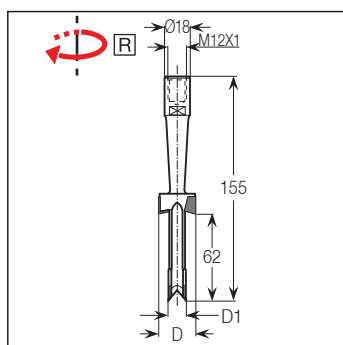
P204

HW Drills for locks



Ottenute da acciaio di elevata resistenza meccanica • 2+2 taglienti in HW • Indicate per eseguire scanalature o asole doppie su legno, suoi derivati, laminati e simili

Obtained from steel with a high mechanical resistance • 2+2 carbide teeth • Indicated to make grooves or steps on wood, laminated and such



Z2+2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D1	D	Code
10	18	● P204M1810AAR
10	20	● P204M2010AAR
10	22	● P204M2210AAR
11	19	● P204M1911AAR
11	22	■ P204M2211AAR
12	19	● P204M1912AAR
12	24	● P204M2412AAR
Spec. Left		P204M99L
Spec. Right		P204M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte scolpitrici
a testa tonda



Hohlmeißelbohrer
Rundkopf



Mèches à mortaiser
profil gouge



Сверла для резьбы с
радиусным торцом

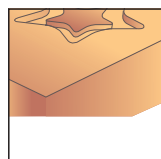
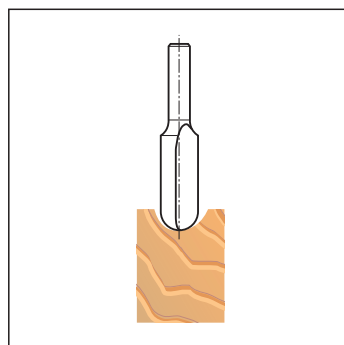
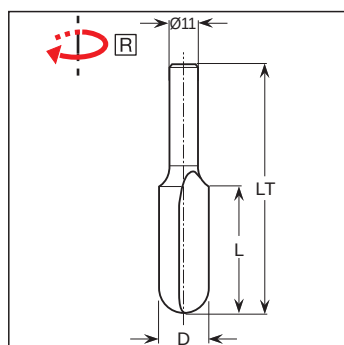
P211

HS Drills for carvin machines



Ottenute da acciaio HS • 1 tagliente fino a Ø 8 mm • 2 taglienti dal Ø 10 mm • Attacco rettificato • Indicate per eseguire sculture su legno naturale

Obtained from steel HS • 1 tooth up to Ø 8 mm., 2 teeth from Ø 10 mm • Ground shank • Indicated to make carves on solid wood



Z1/Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	Z	LT	Left Code	Right Code
4	16	1	85	■ P211S0416AAL	■ P211S0416AAR
5	18	1	85	■ P211S0518AAL	■ P211S0518AAR
6	25	1	90	■ P211S0625AAL	■ P211S0625AAR
8	35	1	90	■ P211S0835AAL	■ P211S0835AAR
10	38	2	90	■ P211S1038AAL	■ P211S1038AAR
12	42	2	90	■ P211S1242AAL	■ P211S1242AAR
14	42	2	90	■ P211S1442AAL	■ P211S1442AAR
16	42	2	90	■ P211S1642AAL	■ P211S1642AAR
18	42	2	90	■ P211S1842AAL	■ P211S1842AAR
20	42	2	90	■ P211S2042AAL	■ P211S2042AAR
22	42	2	90	■ P211S2242AAL	■ P211S2242AAR
24	42	2	90	■ P211S2442AAL	■ P211S2442AAR

Spec.				P211S99L	P211S99R
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NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

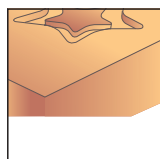
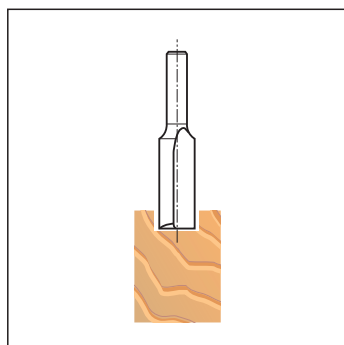
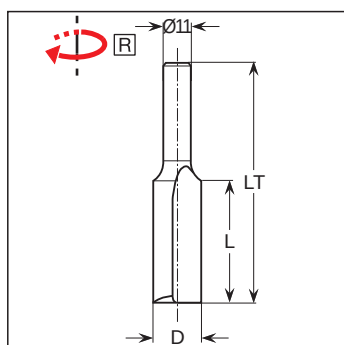
P215

HS Drills for carvin machines



Ottenute da acciaio HS • 1 tagliente fino a Ø 8 mm • 2 taglienti dal Ø 10 mm • Attacco rettificato • Indicate per eseguire sculture su legno naturale

Obtained from steel HS • 1 tooth up to Ø 8 mm., 2 teeth from Ø 10 mm • Ground shank • Indicated to make carves on solid wood



Z1/Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	Z	LT	Left Code	Right Code
4	16	1	85	● P215S0416AAL	● P215S0416AAR
5	18	1	85	● P215S0518AAL	● P215S0518AAR
6	25	1	90	● P215S0625AAL	● P215S0625AAR
8	35	1	90	● P215S0835AAL	● P215S0835AAR
10	38	2	90	● P215S1038AAL	● P215S1038AAR
12	42	2	90	● P215S1242AAL	● P215S1242AAR
14	42	2	90	● P215S1442AAL	● P215S1442AAR
16	42	2	90	■ P215S1642AAL	■ P215S1642AAR
18	42	2	90	● P215S1842AAL	● P215S1842AAR
20	42	2	90	● P215S2042AAL	● P215S2042AAR
22	42	2	90	● P215S2242AAL	● P215S2242AAR
24	42	2	90	■ P215S2442AAL	■ P215S2442AAR
Spec.				P215S99L	P215S99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte a coda di rondine



Grat- und Zinkenfräser



Mèches à queue d'aronde



Сверла для пазовальных станков (ласточкин хвост)

P340

HW Dovetail cutters



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti in HW • Spoglia frontale • Attacco rettificato • Indicate per l'esecuzione di incastri ed accoppiamenti per cassetti

Obtained from steel with a high mechanical resistance • 2 teeth in HW with bottom clearance angle • Ground shank • To make groove for coupling of drawers

Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	Code
14	● P340M141610R
16	● P340M161610R
18	● P340M181610R
20	● P340M201610R
25	● P340M251610R
30	■ P340M301610R
Spec. Left	P340M99L
Spec. Right	P340M99R

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



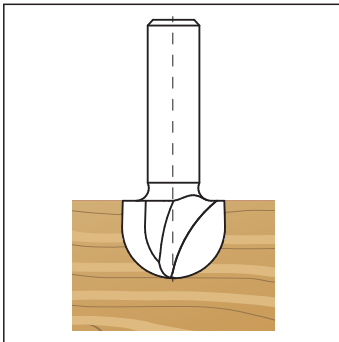
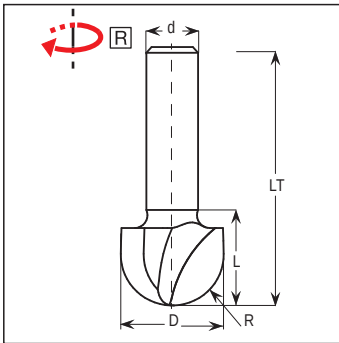
P350S

HS Radius grooving router bits



Ottenute in acciaio di elevata resistenza meccanica • 2 taglienti in HS • Attacco rettificato da montare su macchine elettrofresatrici • Indicate per lavorazioni su legno, suoi derivati e materiali plastici

Obtained from steel with a high mechanical resistance • 2 teeth in HS • Ground shank • Indicated for grooving on solid wood, wood composites and plastic materials.



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	R	L	Z	LT	d	Code
4,8	2,4	11	1	35	8	■ P350S048024A
6,35	3,2	8	2	36	8	■ P350S635032A
8	4	8	2	36	8	■ P350S008004A
11	5,5	10	2	38	8	■ P350S011055A
14,3	7,15	12	2	40	8	■ P350S143715A
16	8	12	2	40	8	■ P350S016008A
19	9,5	12,7	2	40	8	■ P350S019095A
Spec. P350S99						

D	R	L	Z	LT	d	Code
19	9,5	12,7	2	48	6	■ P350S019095B
19	9,5	12,7	2	53	8	■ P350S019095C
19	9,5	12,7	2	43	M10	■ P350S019095D
Spec. P350S99						

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWINGDIAMANTE
DIAMONDFRESATURA
CUTTINGPANTOGRAFATURA
ROUTINGFORATURA
BORINGMANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEMRICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per incisioni "V"

V-Nut-
und Schriftenfräser

Mèches pour gravure
et rainure decorative

V-образная
пазовая фреза

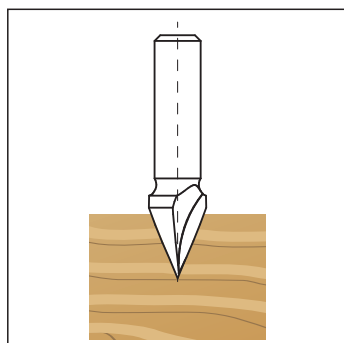
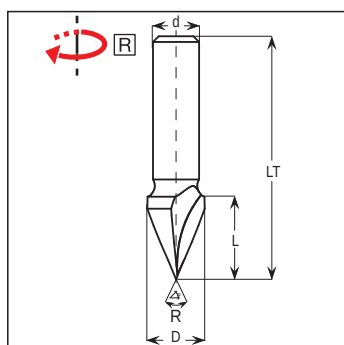
P355S

HS V-grooving router bits



Ottenute in acciaio di elevata resistenza meccanica • 2 taglianti in HS • Attacco rettificato da montare su macchine elettrofresatrici • Indicate per incisioni su legno, suoi derivati e materiali plastici

Obtained from steel with a high mechanical resistance • 2 teeth in HS • Ground shank • Indicated for incisions on solid wood, wood composites and plastic materials.



Z2

● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	R	LT	d	Code	
11	14	60°	42	8	■ P355S11014AA	
14	13	90°	43,5	8	■ P355S14013AA	
Spec.					P355S99	

NOTE

■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING