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Quality Tooling | Service Centre

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UTENSILI DIAMANTE
DIAMOND TOOLS
DIAMANTWERKZUEGE
OUTILS EN DIAMANT
АЛМАЗНЫЕ ИНСТРУМЕНТЫ



2



Punte con cuscinetto
per elettrofresatrici
portatili PCD



PCD-Kantenfräser



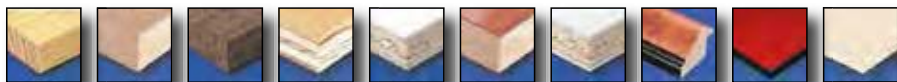
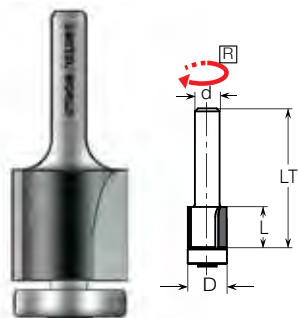
Mèche d'affleureuse PCD
avec roulement



Концевые фрезы с
подшипником для ручного
фрезера

PP40D

DP Edge-trimming cutters for portable machines 90°



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti in DP • Attacco rettificato • Da montare su macchine elettrofresatrici • Indicate per rifilare e contornare legno, suoi derivati, laminati, materiale plastico e simili

Obtained from steel with a high mechanical resistance • 2 teeth in DP • Ground shank • To trim, cut on edge and make dividing cuts on portable machines

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

D	L	LT	d	Z	α	Left Code	Right Code
12,7	13	45	8	2	90°	■ PP40D127132L	● PP40D127132R

Spec.

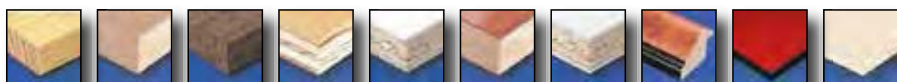
PP40D99

NOTE

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

PP41D

DP Edge-trimming cutters for portable machines 15°



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti in DP • Attacco rettificato • Da montare su macchine elettrofresatrici • Indicate per rifilare e contornare legno, suoi derivati, laminati, materiale plastico e simili

Obtained from steel with a high mechanical resistance • 2 teeth in DP • Ground shank • To trim, cut on edge and make dividing cuts on portable machines

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

D	L	LT	d	Z	α	Left Code	Right Code
21,3	10	47	8	2	15°	■ PP41D173102L	● PP41D173102R

Spec.

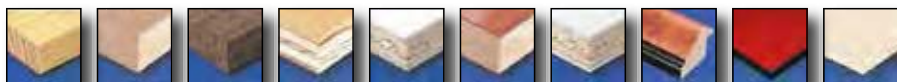
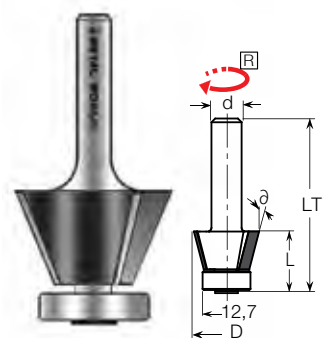
PP41D99

NOTE

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

PP42D

DP Edge-trimming cutters for portable machines 45°



Ottenute da acciaio di elevata resistenza meccanica • 2 taglienti in HW • Attacco rettificato • Da montare su macchine elettrofresatrici • Indicate per rifilare e contornare legno, suoi derivati, laminati, materiale plastico e simili

Obtained from steel with a high mechanical resistance • 2 teeth in HW • Ground shank • To trim, cut on edge and make dividing cuts on portable machines

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

D	L	LT	d	Z	α	Left Code	Right Code
32	10	47	8	2	45°	■ PP42D218102L	● PP42D218102R

Spec.

PP42D99

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 dritte
per pantografo

Schaft-Fräser

Mèches à défoncer

Концевые фрезы для
пазов и обгонки деталей



PP09D

DP Straight router bits (Carbide body)



Costruite con corpo in metallo duro di elevata resistenza meccanica • Taglienti saidobrasati in DP • Indicate per la lavorazione di pannelli truciolari o MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire operazioni di nesting e contornatura

Full carbide body with high mechanical resistance • DP brazed bits • Suggested to work double -layer melamine or bilaminated chipboard or MDF panels on router and CNC machines • Recommended for jointing and grooving

Z1/Z2

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

D	L	LT	d	Z	Left Code	Right Code
*5	8	55	10X40	1 neg	■ PP09D050810L	● PP09D050810R
*6	12	70	10X40	1 neg	■ PP09D061210L	● PP09D061210R
*7	12	70	10X40	1 neg	■ PP09D071210L	● PP09D071210R
8	15	70	10X40	2 neg	■ PP09D081510L	● PP09D081510R
9	15	70	10X40	2 neg	■ PP09D091510L	● PP09D091510R
10	15	70	10X40	2 neg	■ PP09D101510L	● PP09D101510R
10	22	70	10X40	2 neg	■ PP09D102210L	● PP09D102210R
12	25	70	10X40	2 neg	■ PP09D122510L	● PP09D122510R
12	25	70	12X40	2 neg	■ PP09D122512L	● PP09D122512R

Spec.

PP09D99L

PP09D99R

* Utensili con corpo in metallo duro con attacco in acciaio

* Tools in carbide body with shank in steel

NOTE

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

Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
5X8	5 mm / 2,5 m/min	
8X15	10 mm / 4 m/min	12 mm / 3 m/min
12X25	15 mm / 5 m/min	20 mm / 4 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
5X8	5 mm / 2 m/min	
8X15	10 mm / 3 m/min	12 mm / 2 m/min
12X25	15 mm / 4 m/min	20 mm / 3 m/min

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

TAGLIO / SEZIONATURA
SAWING

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DIAMOND

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CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Punte pantografo
per forare e contornare

Schaft-Fräser

Mèches à défoncer

Концевые фрезы

PP10D

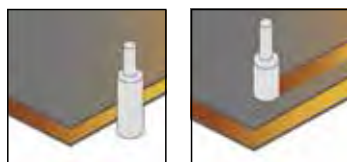
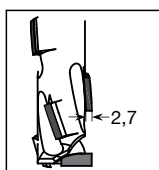
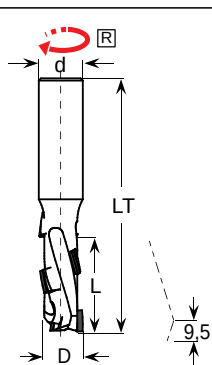
PROFESSIONAL

DP Disposable router bits



Costruite con acciaio di elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in HW • Eseguite con un principio di taglio su tre divisioni • Indicate per la lavorazione di pannelli truciolari o MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire operazioni di nesting e contornatura • Consentono qualche affilatura

Steel body with high mechanical resistance • DP brazed bits • Carbide plung tip • Executed with one cutting principle on 3 wing design • Suggested to work double-layer melamine or bilaminated chipboard or MDF panels on router and CNC machines • Recommended for jointing and nesting • Reduced re-sharpening area



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

Z1

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

D	L	LT	d	Z	Left Code	Right Code
8	22	70	12X40	3+1	■ PP10D082212L	● PP10D082212R
10	26	75	12X45	3+1	■ PP10D102612L	● PP10D102612R
12	26	75	12X45	3+1	■ PP10D122612L	● PP10D122612R
12	26	85	20X55	3+1	■ PP10D122620L	● PP10D122620R
12	34	90	12X45	4+1	■ PP10D123412L	● PP10D123412R
16	26	90	16X55	3+1	■ PP10D162616L	● PP10D162616R
16	26	90	20X55	3+1	■ PP10D162620L	● PP10D162620R
16	34	100	16X55	4+1	■ PP10D163416L	● PP10D163416R
16	34	100	20X55	4+1	■ PP10D163420L	● PP10D163420R
16	43	110	16X55	5+1	■ PP10D164316L	● PP10D164316R
16	43	110	20X55	5+1	■ PP10D164320L	● PP10D164320R
18	26	90	20X55	3+1	■ PP10D182620L	● PP10D182620R
18	26	90	25X55	3+1	■ PP10D182625L	■ PP10D182625R
18	34	100	20X55	4+1	■ PP10D183420L	● PP10D183420R
18	34	100	25X55	4+1	■ PP10D183425L	■ PP10D183425R
18	43	110	16X55	5+1	■ PP10D184316L	■ PP10D184316R
18	43	110	20X55	5+1	■ PP10D184320L	● PP10D184320R
18	43	110	25X55	5+1	■ PP10D184325L	● PP10D184325R
20	26	90	20X55	3+1	■ PP10D202620L	● PP10D202620R
20	26	90	25X55	3+1	■ PP10D202625L	■ PP10D202625R
20	34	100	20X55	4+1	■ PP10D203420L	● PP10D203420R
20	34	100	25X55	4+1	■ PP10D203425L	■ PP10D203425R
20	43	110	20X55	5+1	■ PP10D204320L	● PP10D204320R
20	43	110	25X55	5+1	■ PP10D204325L	■ PP10D204325R
20	52	115	20X55	6+1	■ PP10D205220L	● PP10D205220R
20	52	115	25X55	6+1	■ PP10D205225L	● PP10D205225R
20	68	135	20X55	8+1	■ PP10D206820L	● PP10D206820R
20	68	135	25X55	8+1	■ PP10D206825L	● PP10D206825R

Spec.					PP10D99L	PP10D99R
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Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
12X26	20 mm / 3 m/min	
18X34	25 mm / 6 m/min	30 mm / 5 m/min
20X52	40 mm / 7 m/min	50 mm / 6 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
12X26	20 mm / 2 m/min	
18X34	25 mm / 5 m/min	30 mm / 4 m/min
20X52	40 mm / 6 m/min	50 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
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MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

 Punta per pantografo
per forare e contornare

 Schaft-Fräser

 Mèches à défoncer

 Концевые фрезы



PP12D

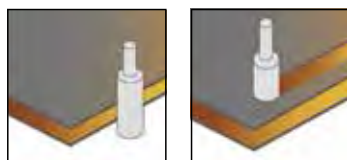
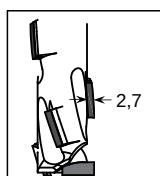
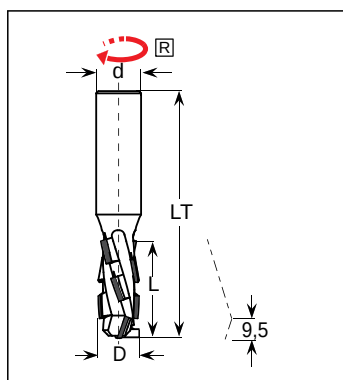
PROFESSIONAL

DP Disposable router bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in HW • Eseguite con due principi di taglio su quattro divisioni • Indicate per la lavorazione di pannelli truciolari o MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a medie velocità di avanzamento • Consentono qualche affilatura

Steel body with high mechanical resistance • DP brazed bits • Carbide plung tip • Executed with two cutting principles on 4 wing design • Suggested to work double-layer melamine or bilaminated chipboard or MDF panels on router and CNC machines • Recommended for jointing and nesting at medium feed speed • Reduced re-sharpening area



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

ZZ

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

D	L	LT	d	Z	Left Code	Right Code
12	26	75	12X45	6+1	■ PP12D122612L	● PP12D122612R
16	26	90	20X55	6+1	■ PP12D162620L	● PP12D162620R
16	34	100	20X55	8+1	■ PP12D163420L	● PP12D163420R
18	26	90	20X55	6+1	■ PP12D182620L	● PP12D182620R
18	26	90	25X55	6+1	■ PP12D182625L	■ PP12D182625R
18	34	100	20X55	8+1	■ PP12D183420L	● PP12D183420R
18	34	100	25X55	8+1	■ PP12D183425L	■ PP12D183425R
20	26	90	20X55	6+1	■ PP12D202620L	● PP12D202620R
20	26	90	25X55	6+1	■ PP12D202625L	■ PP12D202625R
20	34	100	20X55	8+1	■ PP12D203420L	● PP12D203420R
20	34	100	25X55	8+1	■ PP12D203425L	■ PP12D203425R
20	43	110	20X55	10+1	■ PP12D204320L	● PP12D204320R
20	43	110	25X55	10+1	■ PP12D204325L	■ PP12D204325R
20	52	115	20X55	12+1	■ PP12D205220L	● PP12D205220R
20	52	115	25X55	12+1	■ PP12D205225L	■ PP12D205225R

Spec.

PP12D99L

PP12D99R

Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 6 m/min	
20X34	25 mm / 8 m/min	30 mm / 7 m/min
20X52	40 mm / 10 m/min	50 mm / 9 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 5 m/min	
20X34	25 mm / 7 m/min	30 mm / 6 m/min
20X52	40 mm / 8 m/min	50 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 per pantografo
per forare e contornare

Schaft-Fräser

Mèches à défoncer

Концевые фрезы

PP15D

DP Disposable router bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in HW
• La particolare disposizione delle placchette permette di ottimizzare l'asportazione del truciolo conferendo un'ottima
stabilità dell'utensile • Indicate per la lavorazione di pannelli truciolari o MDF bilaminici e/o bilaminati su pantografi,
punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a media velocità di avanzamento •
Consentono qualche affilatura.

Steel body with high mechanical resistance • DP brazed bits • Carbide plung tip • The special tips disposition
optimize the chip removal given to the tool an exelent stability • Suggested to work melamine coated, bilaminated
chipboard or MDF panels I on router and CNC machines • Recommended for jointing and nesting at medium feed
speed • Reduced re-sharpening area

ZZ

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

D	L	LT	d	Z	Left Code	Right Code
20	28	95	20X55	6+1	■ PP15D202820L	■ PP15D202820R
20	28	95	25X55	6+1	■ PP15D202825L	■ PP15D202825R
20	38	105	20X55	8+1	■ PP15D203820L	■ PP15D203820R
20	38	105	25X55	8+1	■ PP15D203825L	■ PP15D203825R
20	48	115	20X55	9+1	■ PP15D204820L	■ PP15D204820R
20	48	115	25X55	9+1	■ PP15D204825L	■ PP15D204825R

Spec.					PP15D99L	PP15D99R
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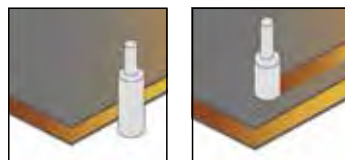
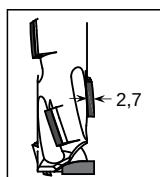
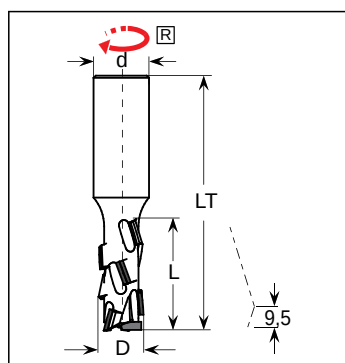
Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 6 m/min	
20X34	25 mm / 8 m/min	30 mm / 7 m/min
20X52	40 mm / 10 m/min	50 mm / 9 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 5 m/min	
20X34	25 mm / 7 m/min	30 mm / 6 m/min
20X52	40 mm / 8 m/min	50 mm / 7 m/min

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

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

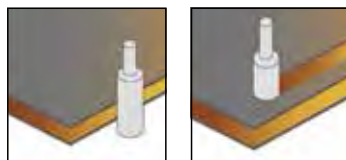
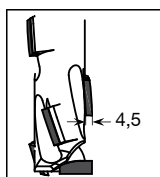
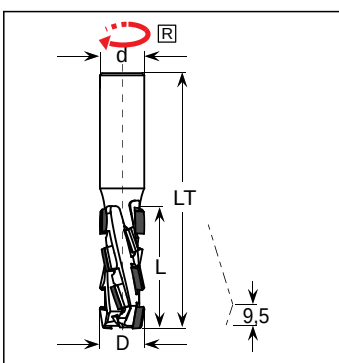
FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

PP22D

DP Router bits



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



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in DP • Eseguite con due principi di taglio su quattro divisioni • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a medie velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with two cutting principles on 4 wing design • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Recommended for jointing and nesting at medium speed feed • Large re-sharpening area

Z2

 = Ready in stock  = Delivery time 20 working days  = On request

D	L	LT	d	Z	Left Code	Right Code
18	26	90	20X55	6+1	 PP22D182620L	 PP22D182620R
18	34	100	20X55	8+1	 PP22D183420L	 PP22D183420R
20	34	100	20X55	8+1	 PP22D203420L	 PP22D203420R
20	43	110	20X55	10+1	 PP22D204320L	 PP22D204320R
20	52	115	20X55	12+1	 PP22D205220L	 PP22D205220R
20	60	125	20X55	14+1	 PP22D206020L	 PP22D206020R
20	68	135	20X55	16+1	 PP22D206820L	 PP22D206820R
Spec.					PP22D99L	PP22D99R

Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 6 m/min	
20X34	25 mm / 8 m/min	30 mm / 7 m/min
20X52	40 mm / 10 m/min	50 mm / 9 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
16X26	20 mm / 5 m/min	
20X34	25 mm / 7 m/min	30 mm / 6 m/min
20X52	40 mm / 8 m/min	50 mm / 7 m/min

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

TAGLIO / SEZIONATURA
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CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



Punte per pantografo
per forare e contornare

Schaft-Fräser

Mèches à défoncer

Концевые фрезы

PP23D

DP Router bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Eseguite con due principi di taglio su quattro divisioni • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a medie velocità di avanzamento • Consentono molte affilature

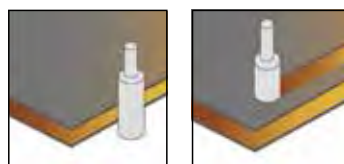
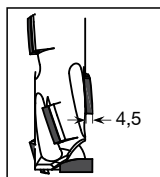
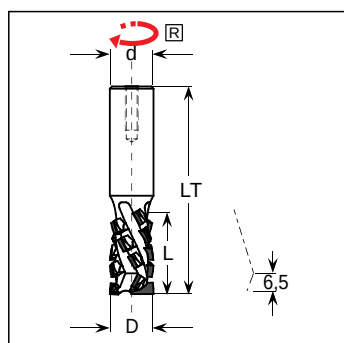
Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with two cutting principles on 4 wing design • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Recommended for jointing and nesting at medium feed speed • Large re-sharpening area

ZZ

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

D	L	LT	d	Z	Left Code	Right Code
20	24	85	20X55	10+1	■ PP23D202420L	● PP23D202420R
20	24	90	25X55	10+1	■ PP23D202425L	■ PP23D202425R
20	28	85	20X55	12+1	■ PP23D202820L	■ PP23D202820R
20	28	90	25X55	12+1	■ PP23D202825L	■ PP23D202825R
20	36	95	20X55	16+1	■ PP23D203620L	● PP23D203620R
20	36	100	25X55	16+1	■ PP23D203625L	■ PP23D203625R
20	48	105	20X55	22+1	■ PP23D204820L	● PP23D204820R
20	48	110	25X55	22+1	■ PP23D204825L	● PP23D204825R
25	24	85	20X55	10+1	■ PP23D252420L	■ PP23D252420R
25	24	90	25X55	10+1	■ PP23D252425L	■ PP23D252425R
25	28	85	20X55	12+1	■ PP23D252820L	■ PP23D252820R
25	28	90	25X55	12+1	■ PP23D252825L	■ PP23D252825R
25	36	95	20X55	16+1	■ PP23D253620L	■ PP23D253620R
25	36	100	25X55	16+1	■ PP23D253625L	■ PP23D253625R
25	48	105	20X55	22+1	■ PP23D254820L	■ PP23D254820R
25	48	110	25X55	22+1	■ PP23D254825L	■ PP23D254825R
25	55	115	20X55	26+1	■ PP23D255520L	■ PP23D255520R
25	55	120	25X55	26+1	■ PP23D255525L	■ PP23D255525R
25	68	128	20X55	32+1	■ PP23D256820L	■ PP23D256820R
25	68	133	25X55	32+1	■ PP23D256825L	■ PP23D256825R

Spec.					PP23D99L	PP23D99L
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NOTE

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

Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
20X36	20 mm / 10 m/min	
25X48	30 mm / 12 m/min	40 mm / 10 m/min
25X68	50 mm / 15 m/min	60 mm / 12 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
20X36	20 mm / 8 m/min	
25X48	30 mm / 10 m/min	40 mm / 8 m/min
25X68	50 mm / 12 m/min	60 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

 Punta per pantografo
per forare e contornare

 Schaft-Fräser
mit Spanbrechernuten

 Méches à défoncer

 Концевые фрезы со
стружколомом



PP32D

CHIPBREAKER

DP Router bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saldobrasati con RTR in DP • Tagliente per forare in DP • Eseguite con due principi di taglio su quattro divisioni • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a medie velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits with chipbreaker • DP plung tip • Executed with two cutting principles on 4 wing design • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Recommended for gross finishing at medium feed speed • Large re-sharpening area

Z2+RTR

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

D	L	LT	d	Z	Left Code	Right Code	
20	32	85	20X50	12+1	PP32D203220L	PP32D203220R	
20	48	100	20X50	18+1	PP32D204820L	PP32D204820R	
20	53	110	20X50	20+1	PP32D205320L	PP32D205320R	

Spec.

PP32D99L

PP32D99R

NOTE

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

Chipboard 18000–24000 RPM

Dimensions	Work thickness / Feed Speed
20X32	30 mm / 14 m/min
20X48	40 mm / 12 m/min

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

 Punta dritte per pantografo
con rompitrucciolo

 Schaft-Fräse (HW Körper)
mit Spanbrechernuten

 Méches à défoncer
avec brise-copeaux

 Концевые фрезы со
стружколомом

PP33D

NEW

DP Straight router bits (Carbide body) with chipbreaker



Costruite con corpo in HM ad alta resistenza meccanica • Taglienti saldobrasati con RTR in DP • Tagliente per forare in DP • Eseguite con due principi di taglio • Indicate per la lavorazione di materiali plastici, compositi, pannelli truciolari o in MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di nesting o di contornatura a medie velocità di avanzamento

Full carbide body with high mechanical resistance • DP brazed bits with chipbreaker • DP plung tip • Executed with two cutting principles • Suggested to work plastic materials, composit materials, chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Recommended for nesting application, gross finishing at medium feed speed

Z2+RTR

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

D	L	LT	d	Z	Code
12	20	70	12	2 neg	■ PP33D122002R
12	22	70	12	2 neg	■ PP33D122202R
12	24	70	12	2 neg	■ PP33D122402R
12	20	70	12	4 neg	■ PP33D122004R
12	22	70	12	4 neg	■ PP33D122204R
12	24	70	12	4 neg	■ PP33D122404R

Spec.

PP33D99

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
per forare e contornare

Schaft-Fräser

Mèches à défoncer

Концевые фрезы

PP60D

40°

DP Router bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Taglienti saldobrasati in DP • Eseguite con tre o quattro principi di taglio • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire le operazioni di di contornatura a elevate velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • Executed with thre or four cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Recommended for jointing at high feed speed • Large re-sharpening area

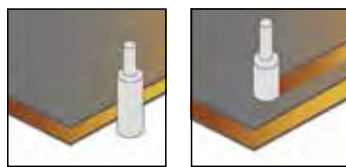
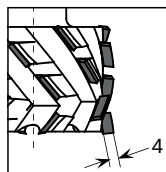
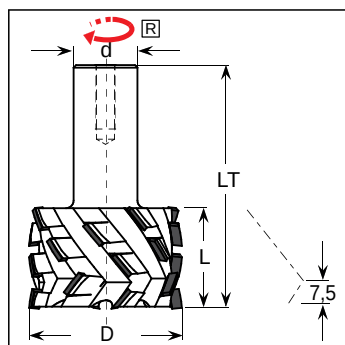
Z3

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

D	L	LT	d	Z	Left Code	Right Code	
50	23	80	25X55	12	■ PP60D502303L	■ PP60D502303R	
50	28	85	25X55	15	■ PP60D502803L	● PP60D502803R	
50	38	95	25X55	18	■ PP60D503803L	● PP60D503803R	
60	23	80	25X55	12	■ PP60D602303L	■ PP60D602303R	
60	28	85	25X55	15	■ PP60D602803L	■ PP60D602803R	
60	38	95	25X55	18	■ PP60D603803L	■ PP60D603803R	
60	44	101	25X55	21	■ PP60D604403L	■ PP60D604403R	
Spec.					PP60D99L	PP60D99R	

Z4

D	L	LT	d	Z	Left Code	Right Code	
50	23	80	25X55	16	■ PP60D502304L	■ PP60D502304R	
50	28	85	25X55	20	■ PP60D502804L	■ PP60D502804R	
50	38	95	25X55	24	■ PP60D503804L	■ PP60D503804R	
60	23	80	25X55	16	■ PP60D602304L	■ PP60D602304R	
60	28	85	25X55	20	■ PP60D602804L	● PP60D602804R	
60	38	95	25X55	24	■ PP60D603804L	● PP60D603804R	
60	44	101	25X55	28	■ PP60D604404L	■ PP60D604404R	
Spec.					PP60D99L	PP60D99R	



NOTE

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

Chipboard 12000–18000 RPM

Dimensions	Work thickness / Feed Speed
50X23 Z3	20 mm / 25–32 m/min
50X38 Z3	30 mm / 20–30 m/min

MDF RPM 12000–18000

Dimensions	Work thickness / Feed Speed
50X23 Z3	20 mm / 20–25 m/min
50X38 Z3	30 mm / 16–24 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

PP70D

DP Router bits



Costruite con corpo in acciaio ad elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in DP
• Eseguite con due principi di taglio elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o
bilaminati su macchine pantografo, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, operazioni
di nesting o contornatura a alte velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with two spiral cutting principles
• Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router, punto-punto and CNC
machines • Can vertically enter into the panel, jointing and nesting at high feed speed • Large re-sharpening area

ZZ

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

D	L	LT	d	Z	Left Code	Right Code
18	22,5	85	20X50	5+1	■ PP70D182220L	■ PP70D182220R
18	30	90	20X50	7+1	■ PP70D183020L	■ PP70D183020R
18	37,5	100	20X50	9+1	■ PP70D183720L	■ PP70D183720R
18	45	105	20X50	11+1	■ PP70D184520L	● PP70D184520R
18	52,5	115	20X50	13+1	■ PP70D185220L	■ PP70D185220R
20	22,5	85	20X50	5+1	■ PP70D202220L	■ PP70D202220R
20	30	90	20X50	7+1	■ PP70D203020L	■ PP70D203020R
20	37,5	100	20X50	9+1	■ PP70D203720L	● PP70D203720R
20	45	105	20X50	11+1	■ PP70D204520L	■ PP70D204520R
20	52,5	115	20X50	13+1	■ PP70D205220L	● PP70D205220R

Spec.					PP70D99L	PP70D99R
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NOTE

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

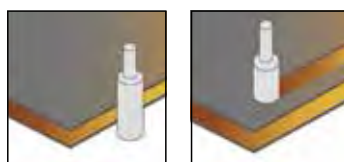
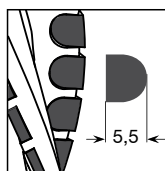
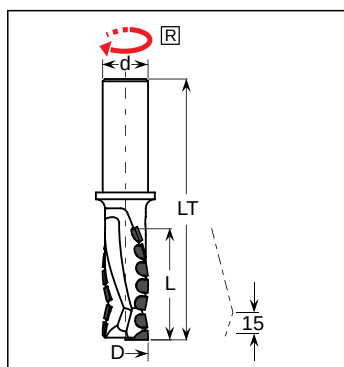
Chipboard 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
18X37,5	20 mm / 10 m/min	30 mm / 8 m/min
20X52,5	40 mm / 10 m/min	50 mm / 8 m/min

MDF 18000–24000 RPM

Dim. Tool	Work thickness / Feed Speed	Work thickness / Feed Speed
18X30	20 mm / 8 m/min	30 mm / 6 m/min
20X52,5	40 mm / 8 m/min	50 mm / 6 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 per pantografo
per forare e contornare



Schaft-Fräser



Mèches à défoncer



Концевые фрезы

PP80D

DP High performance spiral router bits



Costruite con corpo in acciaio ad elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in DP • Eseguite con tre principi di taglio elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su macchine pantografo, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, operazioni di nesting o contornatura a alte velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • Large re-sharpening area

Z3

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

D	L	LT	d	Z	Left Code	Right Code
20	24	85	20X50	8+1	■ PP80D202420L	● PP80D202420R
20	29	90	20X50	10+1	■ PP80D202920L	● PP80D202920R
20	34	95	20X50	12+1	■ PP80D203420L	● PP80D203420R
20	39	100	20X50	14+1	■ PP80D203920L	● PP80D203920R
20	44	105	20X50	16+1	■ PP80D204420L	● PP80D204420R
20	49	110	20X50	18+1	■ PP80D204920L	● PP80D204920R
25	29	102	25X62	10+1	■ PP80D252925L	● PP80D252925R
25	34	107	25X62	12+1	■ PP80D253425L	● PP80D253425R
25	39	112	25X62	14+1	■ PP80D253925L	● PP80D253925R
25	44	117	25X62	16+1	■ PP80D254425L	● PP80D254425R
25	49	122	25X62	18+1	■ PP80D254925L	● PP80D254925R
25	54	124	25X62	20+1	■ PP80D255425L	● PP80D255425R
25	72	150	25X62	27+1	■ PP80D257225L	■ PP80D257225R

Spec.

PP80D99L

PP80D99R

NOTE

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

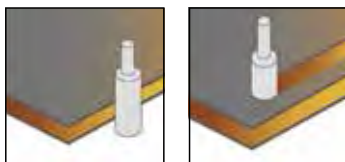
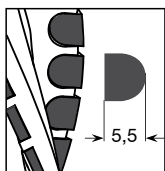
Chipboard 24000 RPM

Dimensions	Work thickness / Feed Speed
20X24	20 mm / 20–22 m/min
25X49	40 mm / 18–20 m/min

MDF RPM 24000

Dimensions	Work thickness / Feed Speed
20X24	20 mm / 16–17 m/min
20X49	40 mm / 15–16 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

PP81D

NEW

DP High performance spiral router bits



Costruite con corpo in acciaio ad elevata resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Eseguite con tre principi di taglio elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su macchine pantografo, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, operazioni di nesting o contornatura a alte velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • Large re-sharpening area

Z3

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

D	L	LT	d	Z	Left Code	Right Code
20	24	85	20X50	8+1	■ PP81D202420L	■ PP81D202420R
20	29	90	20X50	10+1	■ PP81D202920L	● PP81D202920R
20	34	95	20X50	12+1	■ PP81D203420L	● PP81D203420R
20	39	100	20X50	14+1	■ PP81D203920L	■ PP81D203920R
20	44	105	20X50	16+1	■ PP81D204420L	● PP81D204420R
20	49	110	20X50	18+1	■ PP81D204920L	■ PP81D204920R
25	29	102	25X62	10+1	■ PP81D252925L	● PP81D252925R
25	34	107	25X62	12+1	■ PP81D253425L	● PP81D253425R
25	39	112	25X62	14+1	■ PP81D253925L	■ PP81D253925R
25	44	117	25X62	16+1	■ PP81D254425L	● PP81D254425R
25	49	122	25X62	18+1	■ PP81D254925L	■ PP81D254925R
25	54	124	25X62	20+1	■ PP81D255425L	■ PP81D255425R

Spec.

PP81D99L

PP81D99R

NOTE

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

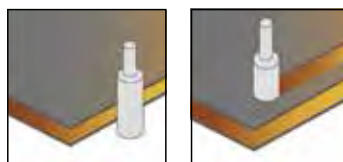
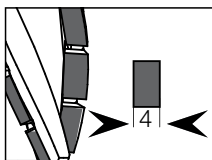
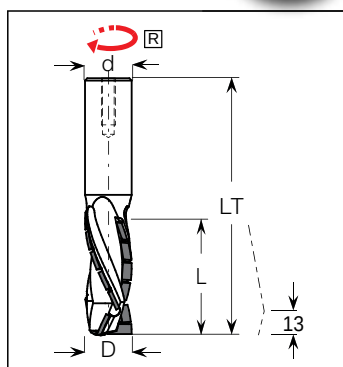
Chipboard 24000 RPM

Dimensions	Work thickness / Feed Speed
20X24	20 mm / 20–22 m/min
25X49	40 mm / 18–20 m/min

MDF RPM 24000

Dimensions	Work thickness / Feed Speed
20X24	20 mm / 16–17 m/min
20X49	40 mm / 15–16 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 per pantografo
per forare e contornare



Schaft-Fräser



Mèches à défoncer



Концевые фрезы

PP82D

NEW

DP High performance spiral router bits



Costruite con corpo in acciaio ad elevata resistenza meccanica • Taglienti saldobrasati in DP • Tagliente per forare in DP • Eseguite con tre principi di taglio elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su macchine pantografo, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, operazioni di nesting o contornatura a alte velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • Large re-sharpening area

Z4

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

D	L	LT	d	Z	Left Code	Right Code
25	29	95	25X55	14+1	■ PP82D252925L	● PP82D252925R
25	34	100	25X55	18+1	■ PP82D253425L	● PP82D253425R
25	39	105	25X55	20+1	■ PP82D253925L	■ PP82D253925R
25	44	110	25X55	22+1	■ PP82D254425L	● PP82D254425R
25	49	115	25X55	26+1	■ PP82D254925L	■ PP82D254925R
25	54	120	25X55	28+1	■ PP82D255425L	■ PP82D255425R

Spec.					PP82D99L	PP82D99R
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NOTE

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

Chipboard 24000 RPM

Dimensions	Work thickness / Feed Speed	Work thickness / Feed Speed
25X29	18 mm / 28–30 m/min	25 mm / 26–28 m/min
25X54	40 mm / 25–28 m/min	50 mm / 22–26 m/min

MDF RPM 24000

Dimensions	Work thickness / Feed Speed	Work thickness / Feed Speed
25X29	18 mm / 22–25 m/min	25 mm / 21–23 m/min
25X54	40 mm / 20–23 m/min	50 mm / 18–21 m/min

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

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

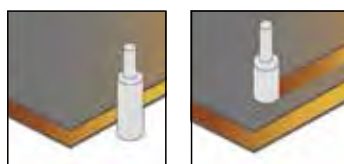
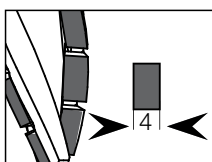
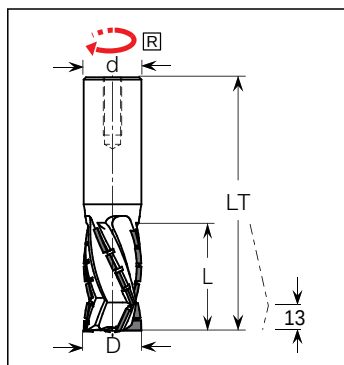
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



 Punta per pantografo
per forare e contornare

 Schaft-Fräser

 Méches à défoncer

 Концевые фрезы
(корпус DENSIMET)



PP83D

DENSIMET

DP Body plus router bits



Costruite con corpo in metallo pesante ad alta resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Eseguite con tre divisioni elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF melaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, le operazioni di nesting o contornatura • L'elevata resistenza del corpo permette elevate prestazioni anche con diametri contenuti • Consentono alcune affilature

Heavy steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router, punto-punto and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • The high resistance of the body grants good performance even with small dimensions • Reduced re-sharpening area

Z3

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

D	L	LT	d	Z	Left code	Right code
12	24	85	12X55	9+1	■ PP83D122412L	● PP83D122412R
12	28	90	12X55	12+1	■ PP83D122812L	■ PP83D122812R
12	34	95	12X55	15+1	■ PP83D123412L	● PP83D123412R
14	24	85	14X55	9+1	■ PP83D142414L	■ PP83D142414R
14	34	95	14X55	15+1	■ PP83D143414L	■ PP83D143414R
Spec.			PP83D99L		PP83D99R	

NOTE

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

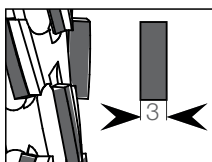
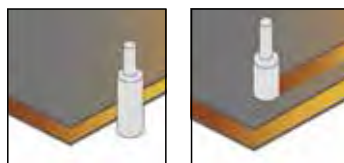
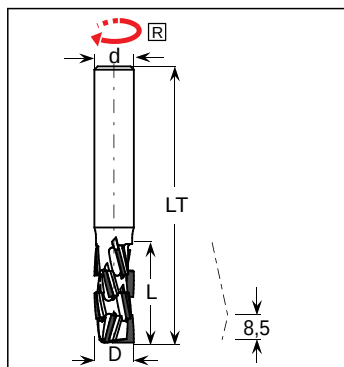
Chipboard 24000 RPM

Dimensions	Work thickness / Feed Speed	Work thickness / Feed Speed
12X24	18 mm / 18–20 m/min	
12X29	18 mm / 18–20 m/min	22 mm / 16–18 m/min
14X46	18 mm / 19–21 m/min	28 mm / 18–19 m/min

MDF RPM 24000

Dimensions	Work thickness / Feed Speed	Work thickness / Feed Speed
12X24	18 mm / 14–17 m/min	
12X29	18 mm / 14–17 m/min	22 mm / 12–14 m/min
14X46	18 mm / 15–18 m/min	28 mm / 12–14 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 per pantografo
per forare e contornare

Nesting-Schaft-Fräser

Mèches à défoncer
pour nesting

Концевые фрезы
(корпус DENSIMET)

PP84D

DENSIMET

DP Nesting body plus router bits



Costruite con corpo in metallo pesante ad alta resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Eseguite con tre divisioni elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF melaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, le operazioni di nesting o contornatura • L'elevata resistenza del corpo permette elevate prestazioni anche con diametri contenuti • Consentono alcune affilature • Studiate per essere usate con TURBO SYSTEM.

Heavy steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • The high resistance of the body grants good performance even with small dimensions • Reduced re-sharpening area • Designed to be used with TURBO SYSTEM



Z2/3

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

D	L	LT	d	Z	Left code	Right code
10	22	82	12X45	7+1	■ PP84D102212L	■ PP84D102212R
12	22	82	12X45	10+1	■ PP84D122212L	● PP84D122212R
12	28	88	12X45	12+1	■ PP84D122812L	● PP84D122812R
12	32	102	12X45	15+1	■ PP84D123212L	● PP84D123212R
14	22	82	14X45	10+1	■ PP84D142214L	■ PP84D142214R
14	28	88	14X45	12+1	■ PP84D142814L	■ PP84D142814R
14	32	102	14X45	15+1	■ PP84D143214L	■ PP84D143214R

Spec.

PP84D99L

PP84D99R

NOTE

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

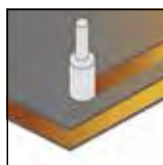
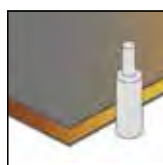
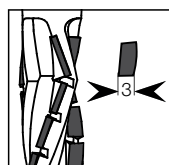
Chipboard 18000–24000 RPM

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
12X22	12 mm / 12–14 m/min	18 mm / 10–12 m/min
12X38	25 mm / 10–12 m/min	30 mm / 8–10 m/min
14X42	35 mm / 14–16 m/min	40 mm / 12–14 m/min

MDF RPM 18000–24000

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
12X22	12 mm / 10–12 m/min	18 mm / 8–10 m/min
12X38	25 mm / 8–10 m/min	30 mm / 6–8 m/min
14X42	35 mm / 12–14 m/min	40 mm / 10–12 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



PP85D

DENSIMET

DP Body plus router bits



Costruite con corpo in metallo pesante ad alta resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Eseguite con tre divisioni elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF melaminici e/o bilaminati su pantografi, punto-punto o CNC • Possono eseguire l'entrata in verticale nel pannello, le operazioni di nesting o contornatura • L'elevata resistenza del corpo permette elevate prestazioni anche con diametri contenuti • Consentono alcune affilature

Heavy steel body with high mechanical resistance • DP brazed bits • DP plung tip • Executed with three spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router, punto-punto and CNC machines • Can vertically enter into the panel, jointing and nesting at high feed speed • The high resistance of the body grants good performance even with small dimensions • Reduced re-sharpening area

Z3

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

D	L	LT	d	Z	Left code	Right code
12	22	72	12X45	7+1	■ PP85D122212L	● PP85D122212R
12	28	78	12X45	9+1	■ PP85D122812L	● PP85D122812R
12	38	82	12X45	12+1	■ PP85D123812L	● PP85D123812R
14	42	92	14X45	13+1	■ PP85D144214L	■ PP85D144214R

Spec.					PP85D99L	PP85D99R
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NOTE

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

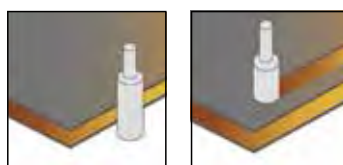
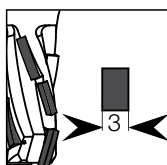
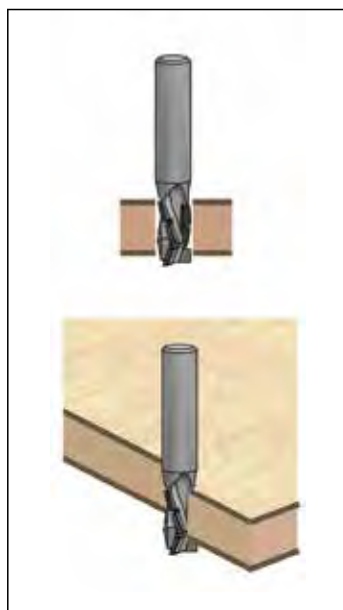
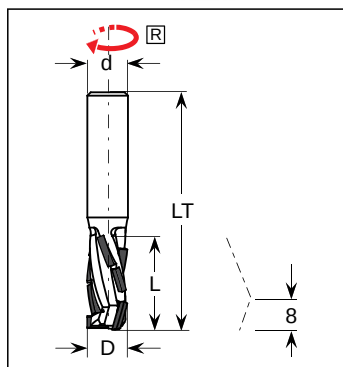
Chipboard 18000–24000 RPM

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
12X22	12 mm / 12–14 m/min	18 mm / 10–12 m/min
12X38	25 mm / 10–12 m/min	30 mm / 8–10 m/min
14X42	35 mm / 14–16 m/min	40 mm / 12–14 m/min

MDF RPM 18000–24000

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
12X22	12 mm / 10–12 m/min	18 mm / 8–10 m/min
12X38	25 mm / 8–10 m/min	30 mm / 6–8 m/min
14X42	35 mm / 12–14 m/min	40 mm / 10–12 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 per pantografo
per forare e contornare

Schaft-Fräser

Mèches à défoncer

Спиральные концевые
фрезы

PP86D

45°

DP Spiral router bits



Costruite con corpo in acciaio ad elevata resistenza meccanica • Taglienti saidobrasati in DP • Tagliente per forare in DP • Elevato angolo assiale • Eseguite con due + due principi di taglio elicoidali • Indicate per la lavorazione di pannelli truciolari o in MDF bilaminici e/o bilaminati su macchine pantografo o CNC • Possono eseguire l'entrata in verticale nel pannello, operazioni di nesting o contornatura a medie velocità di avanzamento • Consentono molte affilature

Steel body with high mechanical resistance • DP brazed bits • DP plung tip • High degree tips axial angle • Executed with two + two spiral cutting principles • Suggested to work chipboard or MDF panels lined with melamine or bilaminated on router and CNC machines • Can vertically enter into the panel, jointing and nesting at medium feed speed • Large re-sharpening area

ZZ

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

D	L	LT	d	Z	Left code	Right code
20	28	98	20X55	10+1	■ PP86D202820L	● PP86D202820R
20	38	103	20X55	14+1	■ PP86D203820L	● PP86D203820R
20	45	110	20X55	16+1	■ PP86D204520L	● PP86D204520R
20	55	120	20X55	20+1	■ PP86D205520L	■ PP86D205520R
20	65	130	20X55	24+1	■ PP86D206520L	■ PP86D206520R
25	28	93	25X55	10+1	■ PP86D252825L	● PP86D252825R
25	38	103	25X55	14+1	■ PP86D253825L	● PP86D253825R
25	45	110	25X55	16+1	■ PP86D254525L	● PP86D254525R
25	55	120	25X55	20+1	■ PP86D255525L	● PP86D255525R
25	65	130	25X55	24+1	■ PP86D256525L	■ PP86D256525R

Spec.					PP86D99L	PP86D99R
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NOTE

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

Chipboard 18000–24000 RPM

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
20X28	10 mm / 16–18 m/min	20 mm / 15–17 m/min
25X45	30 mm / 14–16 m/min	40 mm / 12–14 m/min

MDF RPM 18000–24000

Dimensions	Work thickness / Feed speed	Work thickness / Feed speed
20X28	10 mm / 13–15 m/min	20 mm / 12–14 m/min
25X45	30 mm / 12–13 m/min	40 mm / 11–12 m/min

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

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

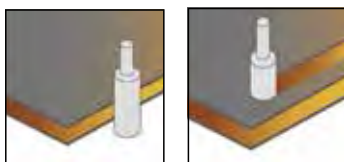
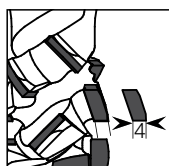
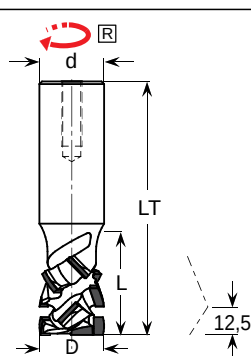
FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING



 Punte per spianare DP

 DP Plan-Schaft-Fräser

 Fraises à raboter
DP

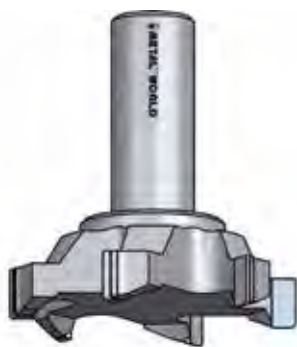
 Фрезы для выравнивания
поверхностей



PP87D

NEW

DP Planning router bits



Ottenute da acciaio di elevata resistenza meccanica • Taglienti DP • Attacco rettificato • Da montare su pantografi CNC o impianti nesting • Ideale per la rettifica dei piani con buona finitura sul fondo • Adatte a lavorazioni su pannelli MDF

Obtained from steel with a high mechanical resistance • PCD cutting edge • Use on CNC or standard and nesting router machines • Indicated for planning MDF panels

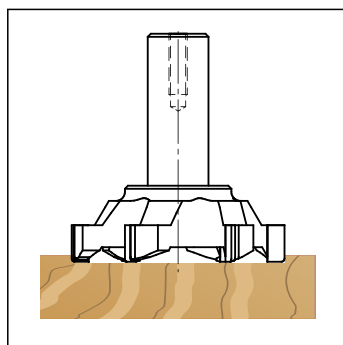
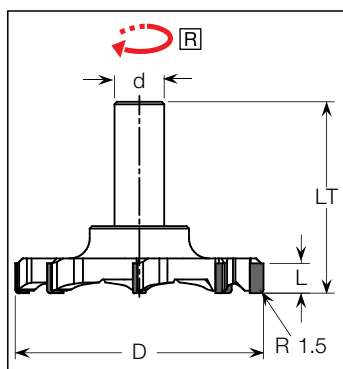


● = Ready in stock ■ = Delivery time 20 working days △ = On request

D	L	LT	d	Z	Left Code	Right Code
50	12	75	20	4	■ PP87D501220L	■ PP87D501220R
80	12	75	20	6	■ PP87D801220L	● PP87D801220R
100	12	75	20	8	■ PP87D101220L	● PP87D101220R
100	12	85	25	8	■ PP87D101225L	■ PP87D101225R
Spec.					PP87D99L	PP87D99R

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



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

Frese per folding
e scanalature a V

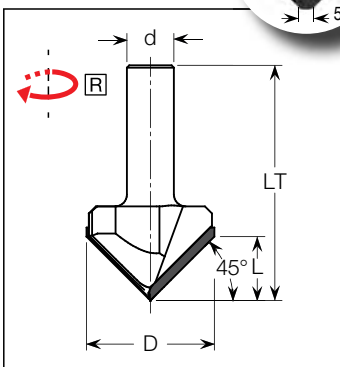
Foldingfräser

Fraises à rainurer
et folding

V-образные фрезы

PP88D

DP Folding router bits and V grooving



Ottenute da acciaio di elevata resistenza meccanica • Taglienti DP • Attacco rettificato • Da montare su pantografi CNC o tradizionali • Indicate per fresature a V o operazioni folding • Adatte per lavorazioni su pannelli MDF truciolari, laminati e simili

Obtained from steel with a high mechanical resistance • PCD cutting edge • Use on CNC or standard and nesting router machines • Indicated for planning MDF panels

Z2

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

D	L	LT	d	Z	Left Code	Right Code
55	27	100	20	2	■ PP88D05527AL	■ PP88D05527AR
55	27	100	25	2	■ PP88D05527BL	■ PP88D05527BR

Spec.					PP88D99L	PP88D99R
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NOTE

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

Frese per folding
e scanalature a V

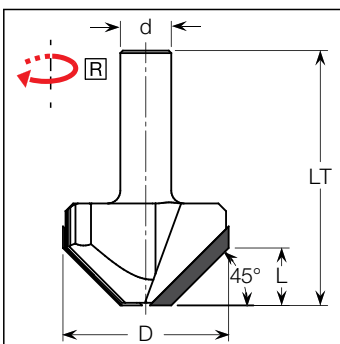
Foldingfräser

Fraises à rainurer
et folding

V-образные фрезы

PP89D

DP Folding router bits and V grooving



Ottenute da acciaio di elevata resistenza meccanica • Taglienti DP • Attacco rettificato • Da montare su pantografi CNC o tradizionali • Indicate per fresature a V o operazioni folding • Adatte per lavorazioni su pannelli MDF truciolari, laminati e simili

Obtained from steel with a high mechanical resistance • PCD cutting edge • Use on CNC or standard and nesting router machines • Indicated for planning MDF panels

Z2

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

D	L	LT	d	Z	Left Code	Right Code
75	27	100	20	2	■ PP89D07527AL	■ PP89D07527AR
75	27	100	25	2	■ PP89D07527BL	■ PP89D07527BR

Spec.					PP89D99L	PP89D99R
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NOTE

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

PC20D

DP Dowel drills



Costruite con corpi in acciaio di elevata resistenza meccanica • Due taglienti saidobrasati in DP • Corpo con due scarichi elicoidali • Attacco rettificato con piano di fissaggio e vite di regolazione • Trattamento superficiale per una migliore evacuazione del truciolo • Da montare su macchine foratrici con l'impiego di mandrini o adattatori • Indicate per l'esecuzione di fori ciechi su pannelli truciolari o MDF grezzi, laminati e simili

Steel body with high mechanical resistance • 2 DP tips • Body with 2 spirals • Ground shank with flat and screw • Surface treatment for a better chip removal • Use on drilling machines with chucks or adapters • Recommended for making holes on chipboard or MDF panels rough or laminated and similar

ZZ

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

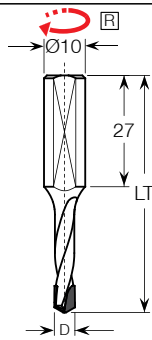
D	LT	Left Code	Right Code
5	57,5	● PC20D05575AL	● PC20D05575AR
6	57,5	● PC20D06575AL	● PC20D06575AR
8	57,5	● PC20D08575AL	● PC20D08575AR
10	57,5	■ PC20D10575AL	■ PC20D10575AR
5	70	● PC20D05700AL	● PC20D05700AR
6	70	● PC20D06700AL	● PC20D06700AR
8	70	● PC20D08700AL	● PC20D08700AR
10	70	■ PC20D10700AL	■ PC20D10700AR
Spec.		PC20D99L	PC20D99R

SPARE PARTS

Type	Dimensions	Code
Screw	M5X10	● WV510
Screw	M5X17	● WV072

NOTE

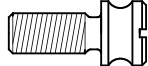
■ Utensili non a magazzino, quantità minima d'ordine: **5 pezzi**.
Tools not ready in stock minimum order quantity: **5 pieces**.



Screw M5X10



Screw M5X17





Punte componibili
per fori passanti

Dübelbohrer
für Durchgangsbohrungen

Mèches à percer
pour trou débouchants

Сквозные сверла

PC22D

DP Through-hole dowel drills



Costruite con corpo in acciaio di elevata resistenza meccanica • Due taglienti saidobrasati in DP • Corpo con due scarichi elicoidali • Attacco rettificato con piano di fissaggio e vite di regolazione • Trattamento superficiale per una migliore evauazione del truciolo • Da montare su macchine foratrici con l'impiego di mandrini o adattatori • Indicate per l'esecuzione di fori passanti su pannelli truciolari o MDF grezzi, laminati e simili.

Steel body with high mechanical resistance • 2 DP tips • Body with 2 spirals • Ground shank with flat and screw • Surface treatment for a better chip removal • Use on drilling machines with chucks or adapters • Recommended to make through holes on chipboard or MDF panels rough or laminated and similar.

Z2

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

D	LT	Left Code	Right Code
5	57,5	● PC22D05575AL	● PC22D05575AR
6	57,5	● PC22D06575AL	● PC22D06575AR
8	57,5	● PC22D08575AL	● PC22D08575AR
10	57,5	■ PC22D10575AL	■ PC22D10575AR
5	70	● PC22D05700AL	● PC22D05700AR
6	70	● PC22D06700AL	● PC22D06700AR
8	70	● PC22D08700AL	● PC22D08700AR
10	70	■ PC22D10700AL	■ PC22D10700AR
Spec.		PC22D99L	PC22D99R

SPARE PARTS

Type	Dimensions	Code
Screw	M5X10	● WV510
Screw	M5X17	● WV072

NOTE

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

Chipboard

RPM	Feed Speed
4000	0,3 m/min
5000	0,8 m/min
6000	1,0 m/min
8000	1,5 m/min
9000	1,8 m/min

MDF

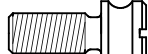
RPM	Feed Speed
4000	0,2 m/min
5000	0,5 m/min
6000	0,7 m/min
8000	1,0 m/min
9000	1,2 m/min

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

Screw M5X10



Screw M5X17



TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
ROUTING

FORATURA
BORING

MANDRINI / ATTACCHI
CHUCKS & CLAMPING SYSTEM

RICAMBI E LAVORAZIONI SUPP.
SPARE PARTS & ADD. WORKING

PC30D

DP Cylinder boring bits



Costruite con corpo in acciaio di elevata resistenza meccanica • Due taglienti e due rasanti saidobrasati in DP • Centriro regolabile in HW • Attacco rettificato con piano di fissaggio e vite di regolazione • Trattamento superficiale per una migliore evacuazione del truciolo • Da montare su macchine foratrici con l'impiego di mandrini o adattatori • Indicate per l'esecuzione di fori su pannelli truciolari o MDF grezzi, laminati e simili • La particolare geometria dei rasanti conferisce all'utensile una notevole durata migliorando anche la qualità.

Steel body with high mechanical resistance • 2 DP tips and 2 DP spurs • HW adjustable centerpoint • Ground shank with flat and screw • Surface treatment for a better chip removal • Use on drilling machines with chucks or adapters • Recommended for making holes on chipboard or MDF panels rough or laminated and similar • Longer tool life and fine finish thanks to the special geometry of the spurs.

Z2+2

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

D	LT	Left Code	Right Code
15	57,5	■ PC30D15575AL	■ PC30D15575AR
20	57,5	■ PC30D20575AL	■ PC30D20575AR
25	57,5	■ PC30D25575AL	■ PC30D25575AR
30	57,5	■ PC30D30575AL	■ PC30D30575AR
35	57,5	■ PC30D35575AL	■ PC30D35575AR
15	70	■ PC30D15700AL	■ PC30D15700AR
20	70	■ PC30D20700AL	■ PC30D20700AR
25	70	■ PC30D25700AL	■ PC30D25700AR
30	70	■ PC30D30700AL	■ PC30D30700AR
35	70	■ PC30D35700AL	■ PC30D35700AR

Spec.	PC30D99L	PC30D99R
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SPARE PARTS

Type	Dimensions	Code
Centerpoint	3X34	● P560MCENTR3
Screw	M5X10	● WV510
Screw	M5x17	● WV072

NOTE

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

Chipboard

RPM	Feed Speed
3000	1,0 m/min
4000	1,5 m/min
5000	1,8 m/min
6000	2,0 m/min

MDF

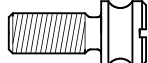
RPM	Feed Speed
3000	0,7 m/min
4000	1,0 m/min
5000	1,2 m/min
6000	1,6 m/min

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

Screw M5X10



Screw M5X17





Punte componibili
per cerniere



Zylinderkopfborher



Mèches à tête cylindrique



Сверла для петель –
закруглённые резцы

PC32D

DP Cylinder boring bits - with 2 radius spurs

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 di elevata resistenza meccanica • Due taglianti e due rasanti raggiati saidobrasati in DP • Centrino regolabile in HW • Attacco rettificato con piano di fissaggio e vite di regolazione • Trattamento superficiale per una migliore evacuazione del truciolo • Da montare su macchine foratrici con l'impiego di mandrini o adattatori • Indicate per l'esecuzione di fori su pannelli truciolari o MDF grezzi, laminati e simili • La particolare geometria dei rasanti conferisce all'utensile una notevole durata migliorando anche la qualità

Steel body with high mechanical resistance • 2 DP tips and 2 DP radius spurs • HW adjustable centerpoint • Ground shank with flat and screw • Surface treatment for a better chip removal • Use on drilling machines with chucks or adapters • Recommended for making holes on chipboard or MDF panels rough or laminated and similar • Longer tool life and superfine finish thanks to the special geometry of the spurs

Z2+2

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

D	LT	Left Code	Right Code
15	57,5	● PC32D15575AL	● PC32D15575AR
20	57,5	■ PC32D20575AL	■ PC32D20575AR
25	57,5	■ PC32D25575AL	■ PC32D25575AR
30	57,5	■ PC32D30575AL	■ PC32D30575AR
35	57,5	● PC32D35575AL	● PC32D35575AR
15	70	● PC32D15700AL	● PC32D15700AR
20	70	■ PC32D20700AL	■ PC32D20700AR
25	70	■ PC32D25700AL	■ PC32D25700AR
30	70	■ PC32D30700AL	■ PC32D30700AR
35	70	● PC32D35700AL	● PC32D35700AR

Spec.	PC32D99L	PC32D99R
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SPARE PARTS

Type	Dimensions	Code
Centerpoint	3X34	● P560MCENTR3
Screw	M5X10	● WV510
Screw	M5x17	● WV072

NOTE

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

Chipboard

RPM	Feed Speed
3000	1,0 m/min
4000	1,5 m/min
5000	1,8 m/min
6000	2,0 m/min

MDF

RPM	Feed Speed
3000	0,7 m/min
4000	1,0 m/min
5000	1,2 m/min
6000	1,6 m/min

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

Screw M5X10

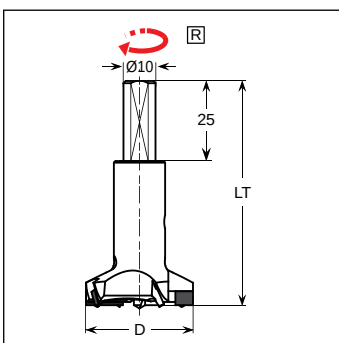


Screw M5X17



PC34D

Cylinder boring bits - with 4 radius spurs



Costruite con corpo in acciaio di elevata resistenza meccanica • Due taglienti e quattro rasanti raggiati saidobrasati in DP • Centrino regolabile in HW • Attacco rettificato con piano di fissaggio e vite di regolazione • Trattamento superficiale per una migliore evacuazione del truciolo • Da montare su macchine foratrici con l'impiego di mandrini o adattatori • Indicate per l'esecuzione di fori su pannelli truciolari o MDF grezzi, laminati e simili • La particolare geometria dei rasanti conferisce all'utensile una notevole durata • Ottima finitura anche in presenza di rivestimenti delicati

Steel body with high mechanical resistance • 2 DP tips and 2 DP radius spurs • HW adjustable centerpoint • Ground shank with flat and screw • Surface treatment for a better chip removal • Use on drilling machines with chucks or adapters • Recommended for making holes on chipboard or MDF panels rough or laminated and similar • Super-fine finish also on very delicate coats • Longer tool life and fine finish thanks to the special geometry of the spurs

Z2+4

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

D	LT	Left Code	Right Code
35	57,5	■ PC34D35575AL	■ PC34D35575AR
35	70	■ PC34D35700AL	■ PC34D35700AR
Spec.		PC34D99L	PC34D99R

SPARE PARTS

Type	Dimensions	Code
Centerpoint	3X34	● P560MCENTR3
Screw	M5X10	● WV510
Screw	M5x17	● WV072

NOTE

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

Chipboard

RPM	Feed Speed
3000	1,0 m/min
4000	1,5 m/min
5000	1,8 m/min
6000	2,0 m/min

MDF

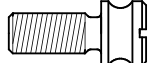
RPM	Feed Speed
3000	0,7 m/min
4000	1,0 m/min
5000	1,2 m/min
6000	1,6 m/min

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

Screw M5X10



Screw M5X17





Esempi
di punte sagomate in DP



Einsatzbeispiele



Exemples des outils
profilés en DP pour CNC



Примеры профильных
концевых алмазных фрез

PS03D

DP Examples of profiled DP router bits

TAGLIO / SEZIONATURA
SAWING

DIAMANTE
DIAMOND

FRESATURA
CUTTING

PANTOGRAFATURA
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FORATURA
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