



UTENSIL CENTRO

— TOOLS FOR WOOD —

PLASTICA, LEGHE LEGGERE E MATERIALI COMPOSITI

PLASTIC, LIGHT ALLOYS AND COMPOSITE MATERIALS





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— TOOLS FOR WOOD —



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IT Utensil Centro è un'azienda italiana che produce utensili in diamante policristallino e metallo duro per la lavorazione del legno, alluminio, dei materiali plastici e compositi per il settore arredamento, automotive e aerospace.

Da diversi anni, grazie all'acquisizione di nuove tecnologie e ad una progettazione avanzata, produciamo utensili per processare materiali di nuova generazione e speciali come fibra di carbonio, polimeri e leghe leggere.

EN Utensil Centro is an italian company that produces polycrystalline diamond and carbide tools for machining wood, aluminium, plastics and composite materials for the furniture, automotive and aerospace industries.

For a number of years, thanks to the acquisition of new technologies and to our advanced design, we have been manufacturing tools for processing advanced and special materials such as carbon fibre, polymers, and light alloys.

FR Utensil Centro est une entreprise italienne qui produit des outils en diamant polycristallin et en métal dur pour le travail du bois, de l'aluminium, des matières plastiques et composites pour le secteur de l'ameublement, de l'automobile et de l'aérospatiale. Depuis plusieurs années, grâce à l'acquisition de nouvelles technologies et à une conception avancée, nous produisons des outils permettant de traiter des matériaux de nouvelle génération et spéciaux tels que la fibre de carbone, des polymères et des alliages légers.

ES Utensil Centro es una empresa italiana que fabrica herramientas de diamante policristalino y carburo para el mecanizado de madera, aluminio, plásticos y materiales compuestos para las industrias del mueble, automovilística Y aeroespacial.

Desde hace varios años, gracias a la adquisición de nuevas tecnologías y a un diseño avanzado, fabricamos herramientas para procesar materiales de nueva generación y especiales, como fibra de carbono, polímeros y aleaciones ligeras.

LEGENDA SCALA DI DUREZZA

HARDNESS SCALE LEGEND



Metallo Duro HW o altri materiali - durata fino a 5 x frese economiche
HW carbide or other materials- durability up to 5 x economic router bits



Rivestite UW-Dia - durata fino a 4 x Metallo duro
UW-Dia coating - durability up to 4 x HW carbide



Diamante Policristallino PCD - durata fino a 40 x Metallo duro
PCD polycrystalline diamond - durability up to 40 x HW carbide

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01

FRESE PER PLASTICHE E LEGHE LEGGERE
ROUTER BITS FOR PLASTICS AND LIGHT ALLOYS

217D

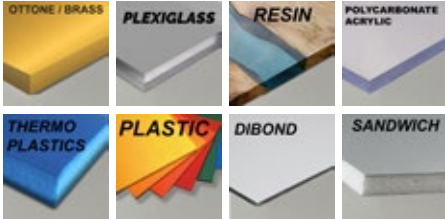
★ ★ ★



Fresa HW monotagliante dritta specifica per tagliare plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Straight HW single-flute router bit specifically designed for cutting plastics and light alloys due to lapped cutting edge and special cutting angles.

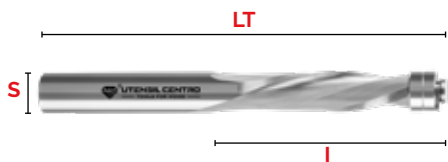
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Code
2	10	60	6	217D.021060.55
3	15	60	6	217D.031560.55
4	15	60	6	217D.041560.55
6	20	60	6	217D.062060.55
8	22	63	8	217D.082263.55
8	40	100	8	217D.0840100.55

216-20

★ ★ ★



Fresa HW elicoidale con due cuscinetti in testa specifica per rifilare plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW router bit with two end-bearings specifically designed for trimming plastics and light alloys thanks to the lapped cutting edge and special cutting angles.

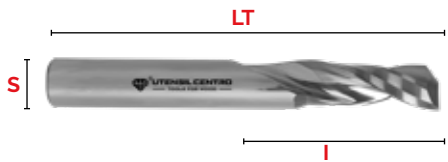
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Code
8	25	70	8	Right (clockwise)	216-20200730

217PX / PLEXITOP

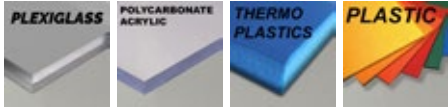
★ ★ ★



Fresa HW elicoidale monotagliante positiva specifica per tagliare plastiche tipo Plexiglass, Polycarbonato e simili con finitura semi-lucida grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW upcut single-flute router bit specifically designed for cutting plastics such as Plexiglass, Polycarbonate and similar materials with semi-glossy finish thanks to the lapped cutting edge and special cutting angles.

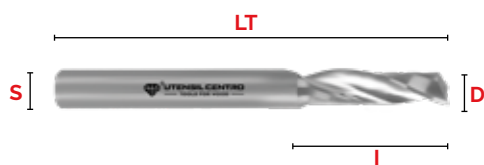
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
4	15	58	6	Right (clockwise)	1	217PX.041558.55
5	15	58	6	Right (clockwise)	1	217PX.051558.55
6	22	58	6	Right (clockwise)	1	217PX.062258.55
6	32	70	6	Right (clockwise)	1	217PX.063270.55
6.35	22	58	6.35 (1/4)	Right (clockwise)	1	217PX.632258.55
8	22	63	8	Right (clockwise)	1	217PX.082263.55
10	32	72	10	Right (clockwise)	1	217PX.103272.55
12	52	100	12	Right (clockwise)	1	217PX.1252100.55

217PL / PLASTPOL

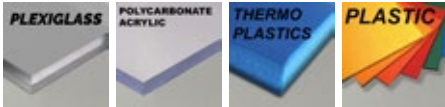
☆☆☆



Fresa HW elicoidale monotagliante positiva specifica per tagliare plastiche e derivati grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW upcut single-flute router bit specifically designed for cutting plastics and derivatives thanks to the lapped cutting edge and special cutting angles.

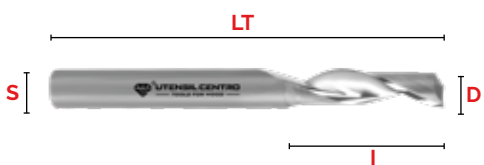
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
0.8	3.4	40	3	Right (clockwise)	1	217PL.0083440.55
1	4	40	3	Right (clockwise)	1	217PL.010440.55
2	6	40	3	Right (clockwise)	1	217PL.020640.55-A3
2	10	40	2	Right (clockwise)	1	217PL.021040.55
3	12	50	3	Right (clockwise)	1	217PL.031250.55
3	12	60	6	Right (clockwise)	1	217PL.031260.55-A6
3	15	60	6	Right (clockwise)	1	217PL.031560.55-A6
4	12	60	6	Right (clockwise)	1	217PL.041260.55-A6
4	15	50	4	Right (clockwise)	1	217PL.041550.55
5	17	60	6	Right (clockwise)	1	217PL.051760.55-A6
6	22	60	6	Right (clockwise)	1	217PL.062260.55
6	35	75	6	Right (clockwise)	1	217PL.063575.55
8	22	65	8	Right (clockwise)	1	217PL.082265.55
10	32	75	10	Right (clockwise)	1	217PL.103275.55
12	32	75	12	Right (clockwise)	1	217PL.123275.55

217AL / ALUPOL

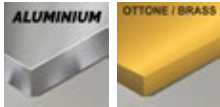
☆☆☆



Fresa HW elicoidale monotagliante positiva specifica per tagliare alluminio ed altre leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW upcut single-flute router bit specifically designed for cutting aluminium and other light alloys due to lapped cutting edge and special cutting angles.

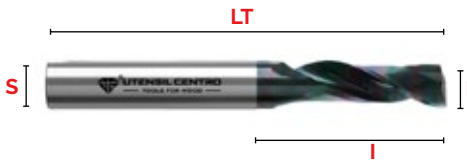
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
0.8	3.4	40	3	Right (clockwise)	1	217AL.0083440.55
1	4	40	3	Right (clockwise)	1	217AL.010440.55
2	6	50	6	Right (clockwise)	1	217AL.020650.55-A6
2	10	40	2	Right (clockwise)	1	217AL.021040.55
3	12	60	6	Right (clockwise)	1	217AL.031260.55-A6
4	9	50	6	Right (clockwise)	1	217AL.040950.55-A6
5	17	60	6	Right (clockwise)	1	217AL.051760.55-A6
6	22	60	6	Right (clockwise)	1	217AL.062260.55
6	35	75	6	Right (clockwise)	1	217AL.063575.55
8	22	65	8	Right (clockwise)	1	217AL.082265.55
10	32	75	10	Right (clockwise)	1	217AL.103275.55
12	32	75	12	Right (clockwise)	1	217AL.123275.55

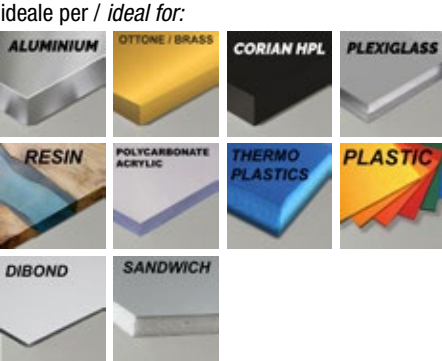
217AP / UW-Dia Coating ALUPLAST

★★★★



Fresa HW elicoidale monotagliente positiva lappata specifica per tagliare plastiche e leghe leggere in modo ricorrente grazie al rivestimento in polvere di diamante.

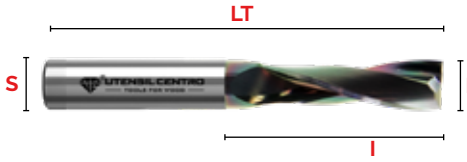
Spiral HW upcut single-flute router bit with lapped cutting edges specifically designed for recurring cutting of plastics and light alloys due to diamond powder coating.



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
3	12	60	6	Right (clockwise)	1	217AP.031260.55-A6
4	8	50	6	Right (clockwise)	1	217AP.040850.55-A6
5	12	60	6	Right (clockwise)	1	217AP.051260.55-A6
6	12	60	6	Right (clockwise)	1	217AP.061260.55
6	22	60	6	Right (clockwise)	1	217AP.062260.55
8	22	65	8	Right (clockwise)	1	217AP.082265.55
10	32	75	10	Right (clockwise)	1	217AP.103275.55
12	32	75	12	Right (clockwise)	1	217AP.123275.55

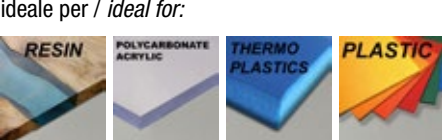
210-RIV / UW-Dia Coating RESINTOP

★★★★



Fresa HW elicoidale positiva a 2 taglienti lappati specifica per tagliare resina, legno misto a resina ed altri polimeri plastici in modo ricorrente grazie al rivestimento in polvere di diamante.

Spiral HW upcut 2-flute router bit with lapped cutting edges specifically for cutting resin, wood mixed with resin and other plastic polymers recurrently due to diamond powder coating.



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
3	12	60	6	Right (clockwise)	2	210.031260.55-A6R
4	10	60	6	Right (clockwise)	2	210.041060.55-A6R
4.7	12.7	50.8	6.35	Right (clockwise)	2	210.471250.55R
5	12	60	6	Right (clockwise)	2	210.051260.55-A6R
6	15	60	6	Right (clockwise)	2	210.061560.55R
6.35	19	50.8	6.35	Right (clockwise)	2	210.631950.55R
8	22	65	8	Right (clockwise)	2	210.082265.55R
9.5	25.4	76.2	9.52	Right (clockwise)	2	210.952576.55R
10	22	70	10	Right (clockwise)	2	210.102270.55R
12	25	75	12	Right (clockwise)	2	210.122575.55R
12.7	25.4	76.2	12.7	Right (clockwise)	2	210.1272576.55R
14	25	80	14	Right (clockwise)	2	210.142580.55R
16	25	80	16	Right (clockwise)	2	210.162580.55R

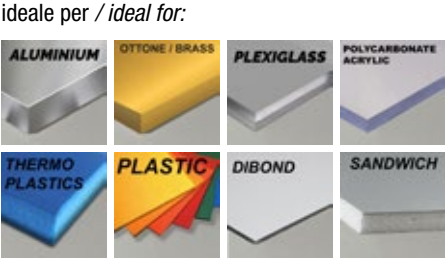
218AP / ALUPLAST

★★★



Fresa HW elicoidale monotagliente negativa specifica per tagliare plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

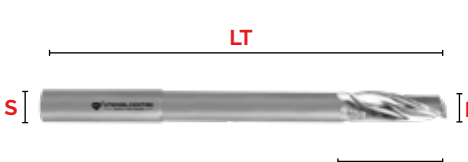
Spiral HW downcut single-flute router bit specifically designed for cutting plastics and light alloys thanks to the lapped cutting edge and special cutting angles.



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
1.5	6	40	3	Right (clockwise)	1	218AP.0150640.55
3	12	60	6	Right (clockwise)	1	218AP.031260.55-A6
4	20	60	4	Right (clockwise)	1	218AP.042060.55
5	25	60	5	Right (clockwise)	1	218AP.052560.55
6	22	60	6	Right (clockwise)	1	218AP.062260.55
6	35	75	6	Right (clockwise)	1	218AP.063575.55
8	22	65	8	Right (clockwise)	1	218AP.082265.55
10	25	70	10	Right (clockwise)	1	218AP.102570.55
12	35	80	12	Right (clockwise)	1	218AP.123580.55

217B / ALUPLAST LONG

★★★



Fresa HW elicoidale monotagliente positiva – versione lunga - specifica per tagliare plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

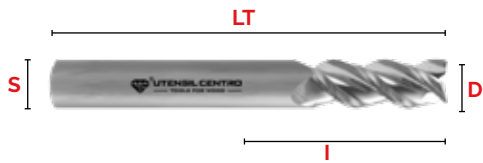
Spiral HW upcut single-flute router bit - long version - specifically designed for cutting plastics and light alloys thanks to the lapped cutting edge and special cutting angles.



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Code
3	14/40	100	6	Right (clockwise)	217B.031440100.55
4	14/40	100	8	Right (clockwise)	217B.041440100.55
5	18/50	100	8	Right (clockwise)	217B.051850100.55
6	20/50	100	8	Right (clockwise)	217B.062050100.55
8	20/70	100	8	Right (clockwise)	217B.082070100.55
10	20/70	100	10	Right (clockwise)	217B.102070100.55
12	35/70	100	12	Right (clockwise)	217B.123570100.55

212AL / ALUPERFORM

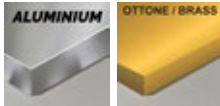
☆☆☆



Fresa HW elicoidale a 3 taglienti positiva specifica per tagliare alluminio ed altre leghe leggere ad alte performance grazie alla lappatura dei taglienti ed agli speciali angoli di taglio.

Spiral HW upcut 3-fluts router bit specifically designed for cutting aluminium and other light alloys with high performance due to lapped cutting edges and special cutting angles.

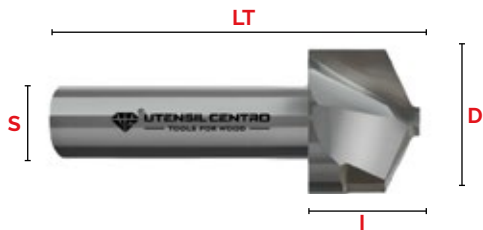
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
3	10	57	6	Right (clockwise)	3	212AL.031057.55
4	13	57	6	Right (clockwise)	3	212AL.041357.55
5	15	57	6	Right (clockwise)	3	212AL.051557.55
6	18	57	6	Right (clockwise)	3	212AL.061857.55
8	20	63	8	Right (clockwise)	3	212AL.082063.55
10	25	72	10	Right (clockwise)	3	212AL.102572.55
12	30	83	12	Right (clockwise)	3	212AL.123083.55
16	35	92	16	Right (clockwise)	3	212AL.163592.55
20	45	104	20	Right (clockwise)	3	212AL.2045104.55

233

☆☆☆



Fresa HW a 2 taglienti con angolo a 25°, 90° o 110° specifica per lavorazione di sughero, gomma ed Eva foam grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

HW 2-flute router bit with 25°, 90° or 110° angle specifically designed to work cork, rubber and Eva foam thanks to the lapping of the cutting edges and the special cutting angles.

ideale per / ideal for:



Diameter (D)	Total length (LT)	Shank (S)	Angle (A)	D3	Rotation	Code
12	65	12	110°	4	Right (clockwise)	233.1211.55
12	65	12	90°	4	Right (clockwise)	233.1290.55
20	50	10	25°	3	Right (clockwise)	233.2023.55
20	50	10	25°	4	Right (clockwise)	233.2024.55
20	50	10	25°	5	Right (clockwise)	233.2025.55

205SM

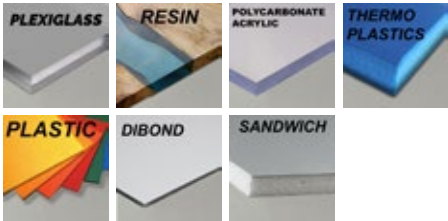
☆☆☆



Fresa HW a 2 taglienti con forante in testa specifica per foratura e taglio “nesting” di pannelli ALUCOBOND®, ALUPANEL®, REYNOBOND®, DIBOND®, STACBOND® grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

HW 2-flute router bit with boring head specifically designed for drilling and ‘nesting’ cutting of ALUCOBOND®, ALUPANEL®, REYNOBOND®, DIBOND®, STACBOND® panels due to lapping of the cutting edge and special cutting angles.

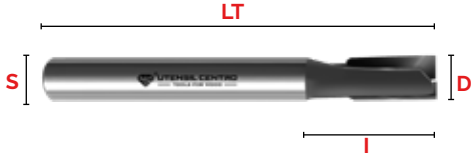
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
3	3.5	70	6	Right (clockwise)	2+1	205SM.335.55
3	4.5	70	6	Right (clockwise)	2+1	205SM.345.55
5	4.5	70	8	Right (clockwise)	2+1	205SM.545.55

800D / ALUPLAST PCD ECOLINE

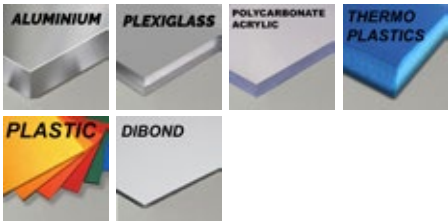
☆☆☆☆☆



Fresa PCD dritta a 1 o 2 taglienti specifica per taglio ricorrente di plastiche e leghe leggere grazie alla lappatura dei taglienti, a lunghissima durata e con ottima finitura.

Straight PCD router bit with 1 or 2 flutes specifically designed for recurring cutting of plastics and light alloys thanks to the lapping of the cutting edges. Very long tool life and excellent finish.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Z	Code
6	8	60	8	1	800D-241002B
6	8	60	8	2	800D-241002
8	12	70	8	1	800D-241002C
8	12	70	8	2	800D-241002A

810M / MONOPLEX

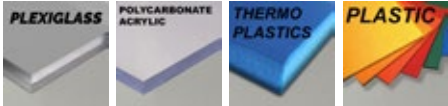
☆☆☆☆☆



Fresa dritta monotagliente in diamante monocristallino specifica per lucidatura a specchio di plastiche tipo PMMA ed altri polimeri termoplastici grazie alla speciale costruzione.

Single-flute straight router bit in monocrystalline diamond specifically designed for high-gloss polishing of plastics such as PMMA and other thermoplastic polymers thanks to its special construction.

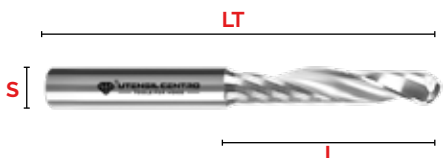
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
8	4.7	50	8	Right (clockwise)	1	810M.0847.75
8	5.7	50	8	Right (clockwise)	1	810M.0857.75

217R

★ ★ ★



Fresa HW elicoidale monotagliante ball nose specifica per modellazione di plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW single-flute ball nose router bit specifically designed for shaping plastics and light alloys thanks to the lapped cutting edge and special cutting angles.

ideale per / ideal for:

ALUMINIUM

CFRP CARBONIO CARBON

CARTONGESSO DRYWALL

OTTONE / BRASS

PLEXIGLASS

RESIN

POLYCARBONATE ACRYLIC

THERMO PLASTICS

PLASTIC

DIBOND

SANDWICH

Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Radius	Rotation	Code
2	10	60	6	1	Right (clockwise)	217R.021060.55
3	12	60	6	1.5	Right (clockwise)	217R.031260.55
4	15	60	6	2	Right (clockwise)	217R.041560.55
5	16	60	6	2.5	Right (clockwise)	217R.051660.55
6	35	75	6	3	Right (clockwise)	217R.063575.55
8	22	65	8	4	Right (clockwise)	217R.082265.55
8	40	100	8	4	Right (clockwise)	217R.0840100.55
10	25	75	10	5	Right (clockwise)	217R.102575.55
10	55	110	10	5	Right (clockwise)	217R.1055110.55
12	30	85	12	6	Right (clockwise)	217R.123085.55

231

★ ★ ★



Fresa HW a 2 taglienti con angolo a 60° specifica per incisioni a V di plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

HW 2-flute router bit with 60° angle specifically designed for V-grooving of plastics and light alloys due to lapped cutting edge and special cutting angles.

ideale per / ideal for:

ALUMINIUM

CFRP CARBONIO CARBON

CORIAN HPL

LEGNO DURO HARD WOOD

LEGNO TENERO LIGHT WOOD

OTTONE / BRASS

PLEXIGLASS

RESIN

VERNICIATO PAINTED

POLYCARBONATE ACRYLIC

THERMO PLASTICS

PLASTIC

DIBOND

SANDWICH

Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	A	Rotation	Code
0.01	5 / 12	60	6	60°	Right (clockwise)	231.060.55
0.01	5 / 12	100	6	60°	Right (clockwise)	231.061.55

461V

★ ★ ★



Fresa HW a 2 taglienti con angolo a 90° specifica per intagli a V di plastiche e leghe leggere grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

HW 2-flute router bit with 90° angle specifically designed for V-grooving of plastics and light alloys due to lapped cutting edge and special cutting angles.

ideale per / ideal for:

ALUMINIUM

CFRP CARBONIO CARBON

CORIAN HPL

CARTONGESSO DRYWALL

LEGNO DURO HARD WOOD

LEGNO TENERO LIGHT WOOD

MDF-HDF

MULTISTRATO PLYWOOD

OTTONE / BRASS

PLEXIGLASS

RESIN

VERNICIATO PAINTED

POLYCARBONATE ACRYLIC

THERMO PLASTICS

PLASTIC

DIBOND

SANDWICH

Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	A	Rotation	Code
16	8	55.3	6	90°	Right (clockwise)	461V.160690.55
16	8	55.3	8	90°	Right (clockwise)	461V.160890.55
32	16	64.5	8	90°	Right (clockwise)	461V.320890.55
32	16	64.5	12	90°	Right (clockwise)	461V.321290.55
32	27.7	70.5	8	60°	Right (clockwise)	461V.320860.55
32	9.2	58.5	8	120°	Right (clockwise)	461V.3208120.55
32	4.3	58.5	8	150°	Right (clockwise)	461V.3208150.55

461A

★ ★ ★



Fresa HW a 2 taglienti con angolo a 90° o 135° specifica per intagli a V con fondo piatto e successiva piegatura di pannelli ALUCOBOND®, ALUPANEL®, REYNOBOND®, DIBOND®, STACBOND® grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

HW 2-flute router bit with 90° or 135° angle specifically designed for V-grooves with flat bottom and subsequent folding of ALUCOBOND®, ALUPANEL®, REYNOBOND®, DIBOND®, STACBOND® panels thanks to the lapping of the cutting edge and the special cutting angles.

ideale per / ideal for:

ALUMINIUM

CORIAN HPL

OTTONE / BRASS

PLEXIGLASS

RESIN

POLYCARBONATE ACRYLIC

THERMO PLASTICS

PLASTIC

DIBOND

Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	A	Code
16	14.3	53.8	6	90°	461A.160690.55
16	14.3	53.8	12	90°	461A.161290.55
16	14.3	53.8	6	135°	461A.1606135.55
16	14.3	53.8	12	135°	461A.1612135.55

420 / T-SLOT

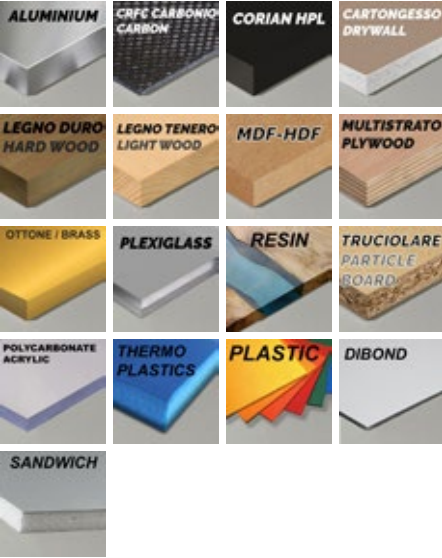
☆☆☆



Fresa HW a 4 taglienti per scanalature laterali “a T”, ideale anche per plastiche e leghe leggere grazie agli speciali angoli di taglio.

HW 4-flute router bit for “T”-shaped side grooves, also ideal for plastics and light alloys due to special cutting angles.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Code
41	2	43	8	420.020.55
41	2.5	43	8	420.025.55
41	3	44	8	420.030.55
41	3.5	44	8	420.035.55
41	4	45	8	420.040.55
41	4.5	45	8	420.045.55
41	5	46	8	420.050.55

UC606 / COMPO-KIT

☆☆☆



Kit di 4 frese HW con tagliente lappato specifiche per materiali compositi. Composto da: 1 fresa per taglio “nesting”, 2 frese per intagli a V con fondo piatto e successiva piegatura (una a 90° e una a 135°), 1 fresa positiva/negativa a compressione.

Kit of 4 HW router bits with lapped cutting edge specifically for composite materials. Consisting of: 1 ‘nesting’ cutting router bit, 2 V-shaped router bits with flat bottom and subsequent bending (one at 90° and one at 135°), 1 upcut/downcut compression router bit.

ideale per / ideal for:



Shank (S)	Code
8	UC606.8D

UC614 / POLY-KIT

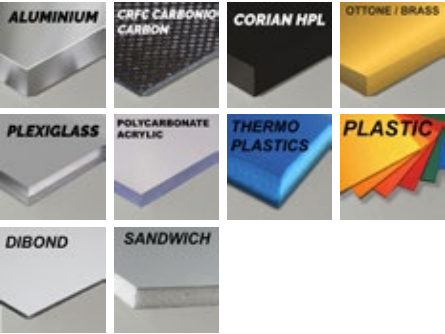
☆☆☆



Kit di 4 frese HW con tagliente lappato. Composto da: 1 fresa con angolo a 60° per incisioni a V, 1 fresa elicoidale monotagliente positiva per plastiche, 1 fresa elicoidale positiva per leghe leggere, 1 fresa elicoidale negativa per plastiche e leghe leggere.

Kit of 4 HW router bits with lapped cutting edge. Consisting of: 1 router bit with 60° angle for V-shaped engravings, 1 upcut single-flute spiral router bit for plastics, 1 upcut single-flute spiral router bit for light alloys, 1 downcut single-flute spiral router bit for plastics and light alloys..

ideale per / ideal for:



Diameter (D)	Shank (S)	Code
3	6	UC614.030.6D
6	6	UC614.060.6D

UC6121 / ULTIMATE POLY-KIT

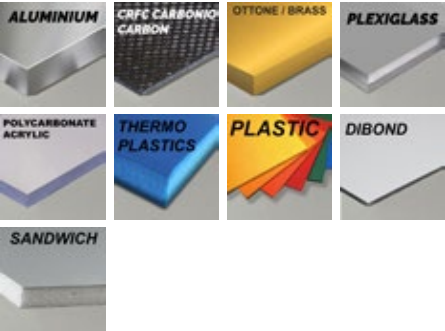
☆☆☆



Kit di 6 frese HW con tagliente lappato. Composto da: 1 fresa con angolo a 60° per incisioni a V, 1 fresa elicoidale monotagliente positiva per plastiche, 1 fresa elicoidale positiva per leghe leggere, 1 fresa elicoidale negativa per plastiche e leghe leggere, 1 fresa con angolo a 90° per intagli a V, 1 fresa elicoidale positiva per taglio con finitura semi-lucida.

Kit of 6 HW router bits with lapped cutting edge. Consisting of: 1 router bit with 60° angle for V-shaped engravings, 1 upcut single-flute spiral router bit for plastics, 1 upcut single-flute spiral router bit for light alloys, 1 downcut single-flute spiral router bit for plastics and light alloys, 1 router bit with 90° angle for V-shaped engravings, 1 upcut single-flute spiral router bit for cutting with semi-gloss finish.

ideale per / ideal for:



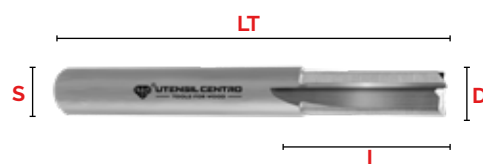
Diameter (D)	Shank (S)	Code
3	6	UC621.030.6D
6	6	UC621.060.6D

02 FRESE PER MATERIALI COMPOSITI

ROUTER BITS FOR COMPOSITE MATERIALS

212D

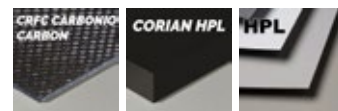
★★★★



Fresa HW dritta a 3 taglienti specifica per tagliare materiali compatti tipo Corian e HPL grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Straight HW 3-flute router bit specifically designed for cutting compact materials such as Corian and HPL due to the lapping of the cutting edge and special cutting angles.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Z	Code
3	12	50	3	3	212D.031250.55
6	18	60	6	3	212D.061860.55
8	20	65	8	3	212D.082065.55
12	30	80	12	3	212D.123080.55
16	35	90	16	3	212D.163590.55
20	40	100	20	3	212D.2040100.55

813 / PCD ALUPLAST TOPLINE

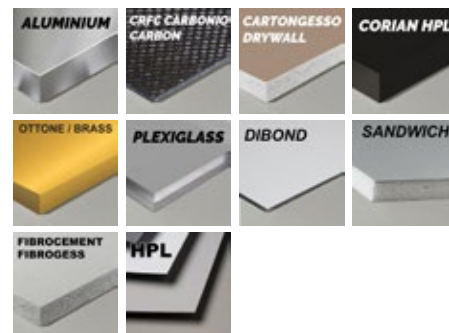
★★★★★



Fresa PCD dritta positiva/negativa a 2 taglienti specifica per lavorare materiali compatti tipo Corian e HPL, a lunga durata.

Straight PCD 2-flute upcut/downcut router bit specifically designed for cutting compact materials like Corian and HPL, with long tool life.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Code
8	15	75	8	Right (clockwise)	813.0815.75
10	15	75	10	Right (clockwise)	813.1015.75
10	21	70	10	Right (clockwise)	813.1021.75
10	25	70	10	Right (clockwise)	813.1025.75
12	21	70	12	Right (clockwise)	813.1221.75
12	25	70	12	Right (clockwise)	813.1225.75
12	28	80	12	Right (clockwise)	813.1228.75
14	21	70	14	Right (clockwise)	813.1421.75
14	25	70	14	Right (clockwise)	813.1425.75
14	33	80	14	Right (clockwise)	813.1433.75
16	21	70	16	Right (clockwise)	813.1621.75
16	25	70	16	Right (clockwise)	813.1625.75
16	33	80	16	Right (clockwise)	813.1633.75

813B FORCE ONE

★★★★★



Fresa PCD con corpo anti-vibrante, composta da 2 o 4 taglienti dritti, specifica per taglio "nesting" e foratura di materiali compatti tipo Corian e HPL, a lunga durata.

PCD router bit with anti-vibration body, consisting of 2 or 4 straight flutes, specifically designed for nesting and drilling of compact materials such as Corian and HPL, with long tool life.

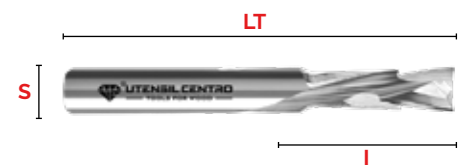
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Shank (S)	Total length (LT)	Rotation	Z	Code
12	19	12	65	Right (clockwise)	4	813B.1219.75
12	24	12	70	Right (clockwise)	4	813B.1224.75
12	28	12	75	Right (clockwise)	4	813B.1228.75
14	19	14	70	Right (clockwise)	4	813B.1419.75
14	24	14	75	Right (clockwise)	4	813B.1424.75
14	28	14	80	Right (clockwise)	4	813B.1428.75
16	24	16	75	Right (clockwise)	4	813B.1624.75
16	28	16	80	Right (clockwise)	4	813B.1628.75

216AP / UP-DOWN ALUPLAST

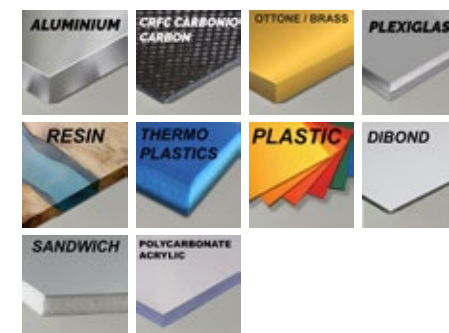
★★★



Fresa HW elicoidale positiva/negativa a 2 taglienti, specifica per taglio e scanalatura di materiali compositi e sandwich grazie alla lappatura del tagliente ed agli speciali angoli di taglio.

Spiral HW 2-flute upcut/downcut router bit, specifically designed for cutting and grooving composite and sandwich materials due to lapped cutting edge and special cutting angles.

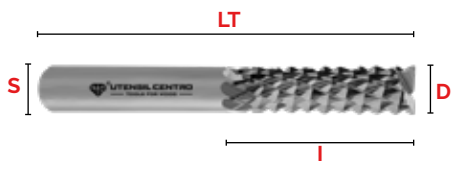
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
2	6	40	6	Right (clockwise)	2+2	216AP.020640.55
3	12	50	6	Right (clockwise)	2+2	216AP.031250.55
6	18	60	6	Right (clockwise)	2+2	216AP.061860.55
8	20	65	8	Right (clockwise)	2+2	216AP.082065.55
12	30	85	12	Right (clockwise)	2+2	216AP.123085.55

210XN

☆☆☆



Fresa HW con una serie di denti lappati specifica per lavorare materiali abrasivi, estrusi e fibrosi tipo Vetronite, Bachelite, PCB e Fibrocemento.

HW router bit with a set of lapped teeth specifically designed for machining abrasive, extruded and fibrous materials such as Vetronite, Bakelite, PCB and Fibrocement.

ideale per / ideal for:



Diameter (D)	Shank (S)	Cutting height (I)	Total length (LT)	Code
3	3	10	45	210XN.0310.55
4	4	12	50	210XN.0412.55
4	4	18	60	210XN.0418.55
5	5	16	50	210XN.0516.55
6	6	18	55	210XN.0618.55
6	6	25	70	210XN.0625.55
8	8	22	60	210XN.0822.55
8	8	25	80	210XN.0825.55
8	8	30	80	210XN.0830.55
10	10	25	80	210XN.1025.55
10	10	30	90	210XN.1030.55
12	12	30	90	210XN.1230.55
12	12	35	100	210XN.1235.55
14	14	35	90	210XN.1435.55
14	14	40	100	210XN.1440.55
16	16	35	90	210XN.1635.55
16	16	40	100	210XN.1640.55
20	20	40	100	210XN.2040.55
20	20	55	110	210XN.2055.55

210XN-RIV

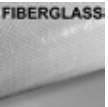
☆☆☆☆



Fresa HW con una serie di denti rivestiti in polvere di diamante specifica per lavorare materiali abrasivi, estrusi e fibrosi tipo Vetronite, Bachelite, PCB e Fibrocemento, a lunga durata.

HW router bit with a set of diamond powder coated teeth specifically designed for machining abrasive, extruded and fibrous materials such as Vetronite, Bakelite, PCB and Fibre Cement.

ideale per / ideal for:



Diameter (D)	Shank (S)	Cutting height (I)	Total length (LT)	Code
3	3	10	45	210XN.0310.55R
4	4	12	50	210XN.0412.55R
4	4	18	60	210XN.0418.55R
5	5	16	50	210XN.0516.55R
6	6	18	55	210XN.0618.55R
6	6	25	70	210XN.0625.55R
8	8	22	60	210XN.0822.55R
8	8	25	80	210XN.0825.55R
8	8	30	80	210XN.0830.55R
10	10	25	80	210XN.1025.55R
10	10	30	90	210XN.1030.55R
12	12	30	90	210XN.1230.55R
12	12	35	100	210XN.1235.55R
14	14	35	90	210XN.1435.55R
14	14	40	100	210XN.1440.55R
16	16	35	90	210XN.1635.55R
16	16	40	100	210XN.1640.55R
20	20	40	100	210XN.2040.55R
20	20	55	110	210XN.2055.55R

210K

☆☆☆



Fresa HW a 2 o 4 taglienti elicoidali lappati con rompi-truciolo specifica per tagliare e forare il Kevlar.

HW router bit with 2 or 4 lapped spiral flutes with chipbreaker specifically designed for cutting and drilling Kevlar.

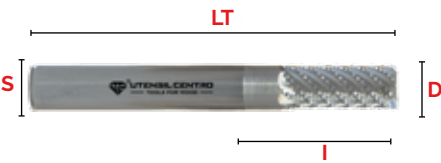
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Z	Code
3	18	75	6	2	210K.031875.55
6	20	60	6	2	210K.062060.55
6	20	60	6	4	210K4.062060.55
6	35	75	6	4	210K4.063575.55
6	35	100	6	2	210K.0635100.55
8	22	63	8	2	210K.082263.55
8	22	63	8	4	210K4.082263.55
8	40	100	8	2	210K.0840100.55
10	50	100	10	4	210K4.1050100.55
10	50	125	10	2	210K.1050125.55
12	55	120	12	4	210K4.1255120.55

210S

☆☆☆



Fresa HW elicoidale lappata con rompi-truciolo specifica per tagliare e forare materiali tipo Honeycomb.

HW spiral lapped router bit with chipbreaker specifically designed for cutting and drilling Honeycomb type materials.

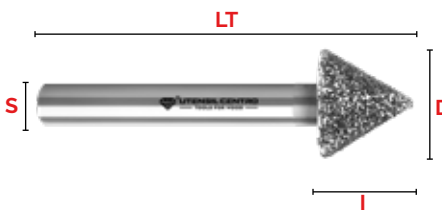
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Code
6	16	50	6	Right (clockwise)	210S.061650.55
8	19	63	8	Right (clockwise)	210S.081963.55
12	26	83	12	Right (clockwise)	210S.122683.55
16	17	100	12	Right (clockwise)	210S.1617100.55
44	17	100	12	Right (clockwise)	210S.4417100.55

UC209

☆☆☆☆



Fresa conica con angolo a 60° o 90° ricoperta di diamante elettro-depositato specifica per intagli a V di materiali compositi tipo Vetoresina e Fibrocemento.

Conical router bit with 60° or 90° angle coated with electro deposited diamond specifically designed for V-grooves in composite materials such as Fibre Cement and Fibreglass.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Radius	A	Code
6	5.2	60	6	1.3	60°	UC209.060.6D
16	8	60	6	2	90°	UC209.161.6D
16	8	100	6	2	90°	UC209.161L.6D
16	14	60	6	1.5	60°	UC209.160.6D
20	10	60	6	1.5	0°	UC209.201.6D

UC118

☆☆☆☆



Fresa a disco ricoperta di diamante elettro-depositato specifica per scanalature "a T" di materiali compositi tipo Vetoresina e Fibrocemento.

Disc router bit with electro deposited diamond specifically designed for T-slots in composite materials such as Fibre Cement and Fibreglass.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Code
25	1.7	60	6	UC118.250.6D
30	2	60	6	UC118.300.6D
50	2.2	60	6	UC118.500.6D
60	2.5	60	6	UC118.600.6D

UC106

☆☆☆



Fresa dritta ricoperta di diamante elettro-depositato specifica per tagliare materiali compositi tipo Vetoresina e Fibrocemento.

Straight router bit electro deposited diamond specifically designed for cutting composite materials such as Fibre Cement and Fibreglass.

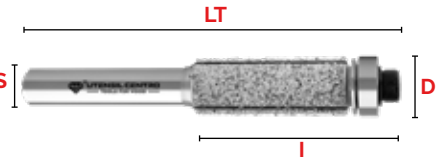
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Radius	Code
3	12	60	6	1.1	UC106.030.6D
6	12	60	6	1.5	UC106.060.6D
8	20	60	6	1.5	UC106.080.6D
18	25	60	6	1.3	UC106.180.6D
20	30	60	6	1.5	UC106.200.6D

UC101

☆☆☆



Fresa dritta con cuscinetto in testa ricoperta di diamante elettro-depositato specifica per rifilare materiali compositi tipo Vetoresina e Fibrocemento.

Straight router bit with head bearing with electro deposited diamond specifically designed for trimming composite materials such as Fibre Cement and Fibreglass.

ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Code
6.35	19	59	6	UC101.063.6D
6.35	19	59	6.35	UC101.063.63D
9.5	25	67	6	UC101.095.6D
9.5	25	67	6.35	UC101.095.63D
12.7	45	109	12	UC101.127.12D
12.7	45	109	12.7	UC101.127.127D
12.7	81	111	12	UC101.127L.12D
12.7	81	111	12.7	UC101.127L.127D

03

PULIZIA E MANUTENZIONE
CLEANING AND MAINTENANCE

CNC LUBE



Lubrificante composto da estere vegetale 100% specifico per manutenzione di parti meccaniche della macchina CNC, grazie al basso coefficiente di attrito.

Lubricant composed of 100% vegetable ester specifically for the maintenance of mechanical parts of CNC machines due to its low coefficient of friction.

Note	Code
100 ml	CL.100
100 ml x2	CL.200
100 ml x5	CL.500

PLASTER



Lubrorefrigerante atossico ed ecologico specifico per raffreddamento di plastiche e leghe leggere in fase di fresatura e per lucidatura manuale delle superfici fresate.

Non-toxic and environmentally friendly cooling lubricant specifically for cooling plastics and light alloys during milling and for manual polishing of milled surfaces.

Note	Code
1 lt	PS.1000
1 lt x2	PS.2000
1 lt x5	PS.5000
100 ml	PS.100

TOOLSNER 3.0



Sgrassatore concentrato ecologico specifico per rimuovere lo sporco più ostinato come grasso, colla e resina dalle frese ed altri utensili di laboratorio.

Ecological concentrated degreaser specifically for removing stubborn dirt such as grease, glue and resin from router bits and other laboratory tools.

Note	Code
500 ml	TS.500
500 ml x2	TS.500X2
100 ml	TS.100

BITTOP



Olio per manutenzione da applicare dopo l'utilizzo e la pulizia delle frese per proteggerle dalle contaminazioni dell'ambiente esterno, aiutando così a prolungarne la durata.

Maintenance oil for application after use and cleaning of router bits to protect them from contamination from the external environment, thus helping to prolong their service life.

Note	Code
15 ml	UC.BITTOP.15ML
50 ml	UC.BITTOP.50ML

O4 FRESA AIRWIND

AIRWIND ROUTER BIT

589 AIRWIND



L'originale fresa per spianare, la più apprezzata dagli hobbisti e artigiani esigenti di tutta Europa. Per fresatrice verticale o CNC, consente grandi asportazioni con elevata finitura. Il corpo ha lo stesso rivestimento delle frese montate sui migliori centri di lavoro industriali. Monta 3 lame reversibili e sostituibili.

The original surfacing router bit, the most popular among demanding hobbyists and craftsmen throughout Europe. For hand router or CNC machines, it allows large material removal with high finish. The body has the same coating as the router bits mounted on the best industrial machining centres. It mounts 3 reversible and replaceable blades.

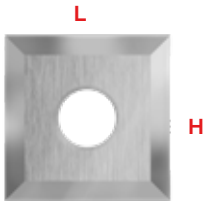
ideale per / ideal for:



Diameter (D)	Cutting height (I)	Total length (LT)	Shank (S)	Rotation	Z	Code
30	10.5	51	6	Right (clockwise)	3	589.030.55
31.8	10.5	51	6.35	Right (clockwise)	3	589.031.55
35	10.5	60	8	Right (clockwise)	3	589.035.55
38	12	59	12	Right (clockwise)	3	589.038.55
38	12	59	12.7 (1/2)	Right (clockwise)	3	589.138.55
60	12	80	12	Right (clockwise)	3	589.060.55
60	12	80	12.7 (1/2)	Right (clockwise)	3	589.160.55
80	12	90	20	Right (clockwise)	4	589.080.55
100	12	90	20	Right (clockwise)	4	589.100.55

600 CARBIDER

★ ★ ★



Coltelli HW reversibili.
Reversible HW knives.

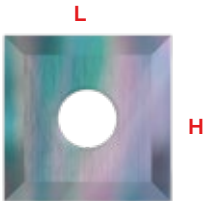
ideale per / ideal for:



L	H	A	SP	Note	Code
10.5	10.5	35°	1.5	10 pcs	600.105.03
12	12	35°	1.5	10 pcs	600.120.03

600-RIV / UW-Dia Coating

★ ★ ★ ★



Coltelli HW reversibili rivestiti in polvere di diamante per una lunga durata ed un basso rischio di surriscaldamento e bruciatura.

Reversible HW knives coated in diamond powder for long life and low risk of overheating and burning.

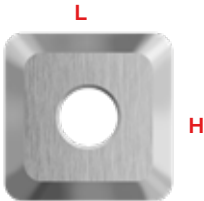
ideale per / ideal for:



L	H	A	SP	Note	Code
10.5	10.5	35°	1.5	10 pcs	600.105.03R
12	12	35°	1.5	10 pcs	600.120.03R

600R

★ ★ ★



Coltelli HW reversibili raggiati e lappati per un'ottima finitura ed un basso rischio di fusione e bruciatura del materiale.

Reversible HW knives radiused and lapped for an excellent finish and a low risk of melting and burning.

ideale per / ideal for:



L	H	Radius	A	Note	Code
10.5	10.5	0.75	30°	10 pcs	600R.105.03
12	12	0.75	35°	10 pcs	600R.120.03

600R-RIV / UW-Dia Coating★★★★

L

H



Coltelli HW reversibili raggiati, lappati e rivestiti per una lunga durata, un'ottima finitura e un basso rischio di fusione e bruciatura del materiale.

Reversible HW knives radiused, lapped and coated for long life, excellent finish and low risk of melting and burning material.

ideale per / ideal for:

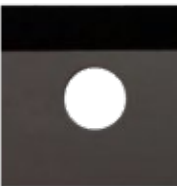


L	H	Radius	A	Note	Code
10.5	10.5	0.75	30°	10 pcs	600R.105.03R
12	12	0.75	30°	10 pcs	600R.120.03R

600PCD / DIATOP★★★★★

L

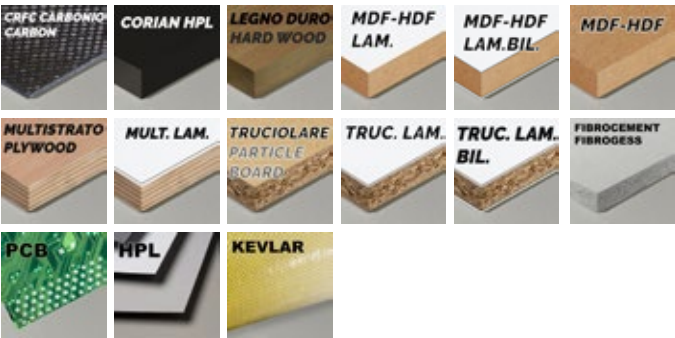
H



Coltelli PCD reversibili per una lunghissima durata.

Reversible PCD knives for very long tool life.

ideale per / ideal for:



L	H	A	Z	K	Code
7.5	12	35°	2	1.6	600.751.70
7.65	12	35°	2	1.6	600.761.70
9.6	12	35°	2	1.6	600.961.70
10.5	10.5	35°	4	1.6	600.105.70
12	12	35°	4	1.6	600.121.70
14	14	35°	1	2	601.020.70
15	12	35°	2	1.6	600.151.70
20	12	35°	2	1.6	600.201.70
25	12	35°	2	1.6	600.251.70
30	12	35°	2	1.6	600.301.70
40	12	35°	2	1.6	600.401.70
50	12	35°	2	1.6	600.501.70
60	12	35°	2	1.6	600.601.70



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Via Pantanelli 43/45
61025 Montelabbate PU Italy