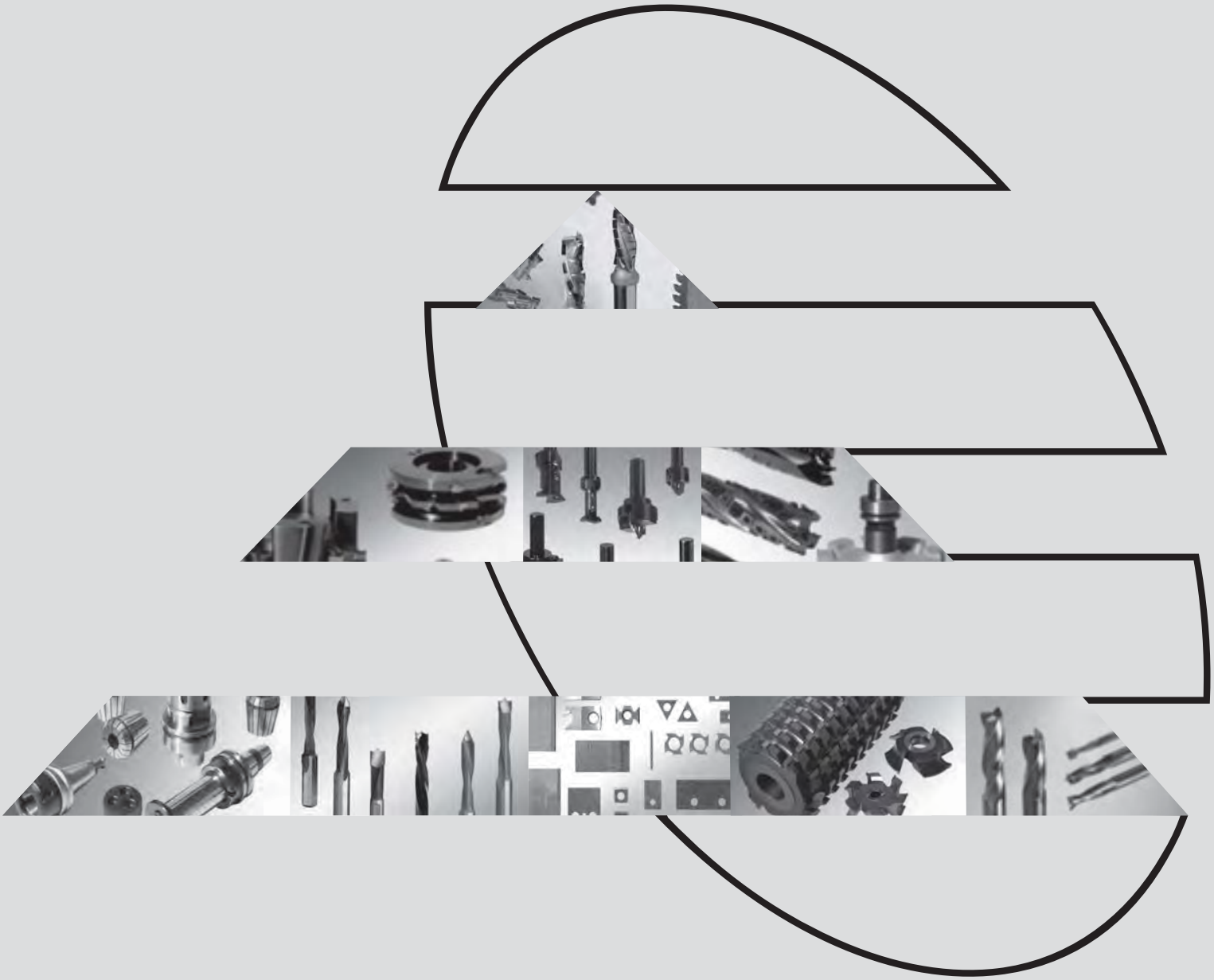
MONTENERO
WOODWORKING·TOOLS

UTENSILI AD ALTA PRECISIONE
HIGH PRECISION TOOLS



CATALOGO GENERALE
GENERAL CATALOGUE

SIMBOLI E ABBREVIAZIONI
SYMBOLS & ABBREVIATION

D	= **Diametro utensile** • Tool's diameter
d	= **Diametro foro / diametro attacco** • Bore's diameter / Shank's diameter
l	= **Lunghezza attacco** • Shank's lenght
B	= **Larghezza di lavoro utensile** • Working width
b	= **Larghezza corpo utensile** • Tool's body width
Z	= **Numero di denti** • Nr. of teeth
h	= **Altezza placca** • Plate's high
ROTAZ.	= **Rotazione utensile** • Rotation way
R	= **Destra** • Right
L	= **Sinistra** • Left
HW	= **Widia** • Widia
DIA	= **Diamante** • Diamond
DKN	= **Sede per chiavetta (b x h)** • Keys
SPIG	= **Spigolatori** • Bevels
Profilo	= **Caratteristica del profilo di lavoro** • Working profile
r	= **Raggio** • Radius
n°	= **Numero di placche dell'utensile** • Total plate's number
Lu	= **Lunghezza utile** • Working lenght
Lt	= **Lunghezza totale** • Total lenght
POS.	= **Rotazione positiva dell'elica** • Positive spiral
NEG.	= **Rotazione negativa dell'elica** • Negative spiral
V	= **Velocità di avanzamento** • Feed rate
Sp.	= **Spessore del materiale** • Material thikness
H	= **Altezza** • High



= **Speciale lavorazione eseguita sul corpo della lama per ridurne la rumorosità**
Sawblade body's special process to reduce the noise



= **Innovativo sistema di realizzazione dell'utensile che dirige il truciolo verso l'aspirazione. Migliornado l'evacuazione del truciolo si allunga la durata dell'utensile.**
Innovative production's system that thrust the chip on the dust suction's direction.
Improving the chip ejection will increase the tool's life.

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FRESE GP
GP Shank-type router bits
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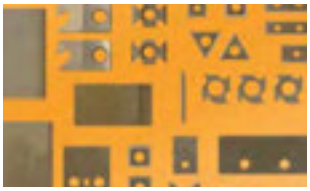
FRESE AP + KIT
AP Shank-type router bits + KIT
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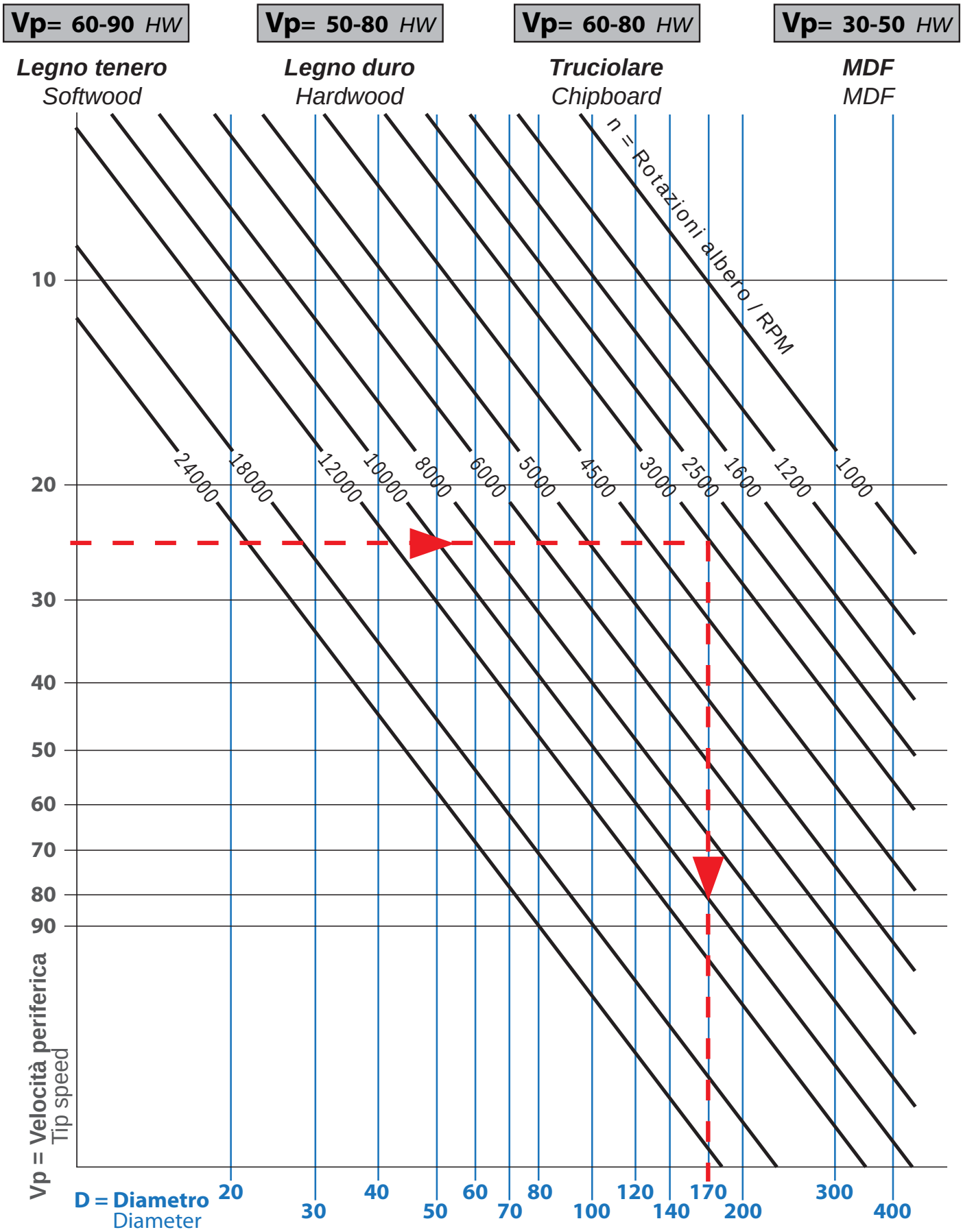
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TABELLA RELATIVA ALLE FRESE PER IL CALCOLO DI :

Velocità periferica, Velocità di rotazione e Diametro

Table to calculate: tip speed, rotation speed and diameter of the cutters

Vp = Velocità periferica / Tip speed **n = Rotazione albero** / RPM **D = Diametro** / Diameter



Esempio : **Vp= 25 m/sec** **n=6000 giri/min** ⇨ **D=170 mm**

Example : **Vp= 25 m/sec** **n=6000 rpm** ⇨ **D=170 mm**

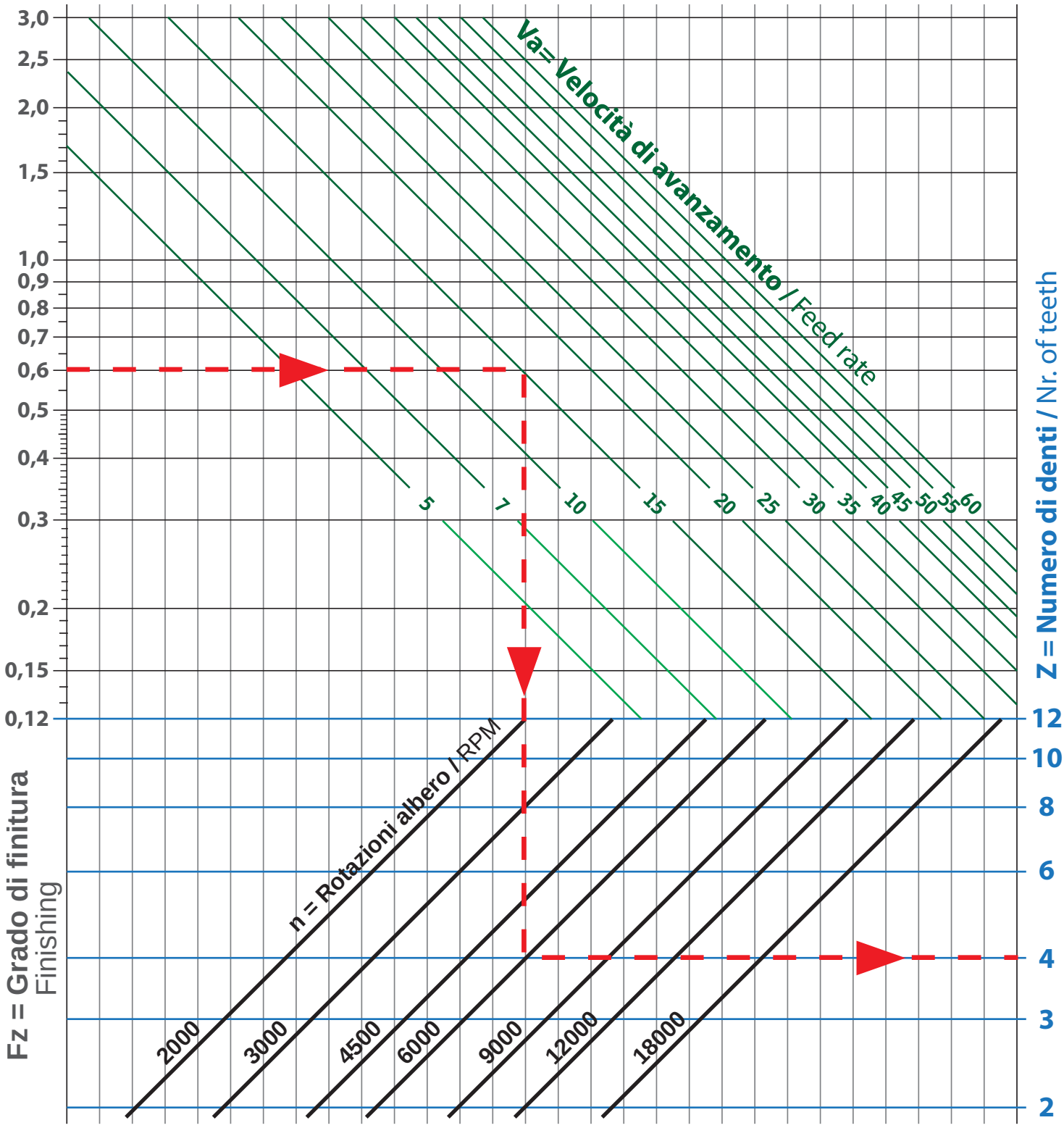
TABELLA RELATIVA ALLE FRESE PER IL CALCOLO DI :

Numero di denti, Velocità di rotazione, Velocità di avanzamento e Grado di finitura

Table to calculate: nr. of teeth, rotation speed, feed rate and finishing of the cutters

Z = Numero di denti / Number of teeth
Va = Velocità di avanzamento / Feed rate
n = Rotazioni albero / RPM
Fz = Grado di finitura / Finishing

Fz= 0,12/0,4	**Fz= 0,4/0,6**	**Fz= 0,6/0,8**	**Fz= 0,8/3,0**
Bruciature *Burning*	***Finitura su legno tenero*** *Finish on softwood*	***Finitura su legno duro*** *Finish on hardwood*	***Sgrossatura*** *Rough finish*



Esempio : **Fz= 0,6 mm** **Va=15 m/min** **n=6000 giri/min** ⇨ **Z=4**

Example : **Fz= 0,6 mm** **Va=15 m/min** **n=6000 rpm** ⇨ **Z=4**

UTENSILI IN DIAMANTE

Qualità è la parola chiave attorno alla quale ruota la realizzazione dei nostri prodotti e gli utensili in diamante ne sono un ottimo esempio.
L'attenzione dedicata alla costruzione dei nostri utensili in Diamante Policristallino (**PCD**) ha il fine di garantire al cliente un'ottima qualità di taglio e una lunga durata dell'utensile. All'interno dei nostri reparti, con il supporto di macchinari con tecnologia sempre all'avanguardia e l'aiuto dei nostri tecnici di grande esperienza, realizziamo i nostri utensili in PCD su progetto sviluppato dall'ufficio tecnico e concordato con il cliente.
Otteniamo così le migliori risposte alle più svariate situazioni.
Le riaffilature sono fondamentali nella vita di un utensile e queste vengono da noi eseguite con molta cura ed attenzione al fine di mantenere invariata la caratteristica di taglio e geometria dell'utensile.
Le principali cause che determinano la necessità di riaffilatura sono:



USURA

Dovuta alla lavorazione di materiali omogenei, l'abrasione del materiale provoca una smussatura uniforme degli spigoli del tagliente.



SCHEGGIATURA / ROTTURA

Dovuta alla lavorazione di materiali a base di legno con presenza di sostanze minerali o metalliche, l'urto con queste impurità provoca rotture di varia grandezza negli spigoli del tagliente.

Il nostro centro affilatura sottopone ad un'accurata analisi tutti gli utensili che ci pervengono per decidere l'azione più appropriata da intraprendere tra:

- Affilatura standard con asportazione di 0,2 mm di materiale nel caso di utensile che presenti sola usura. Non si esclude che il valore 0,2 mm possa aumentare in presenza di un tagliente altamente usurato.

- Affilatura profonda con asportazione di materiale e/o sostituzione dei taglienti variabile seconda della presenza e grandezza di scheggiature o rotture del tagliente.

Queste affilature e sostituzioni vengono eseguite solo dopo un'attenta consultazione con i nostri utilizzatori a scopo di evitare spiacevoli incomprensioni.

L'affilatura tempestiva è fondamentale per la qualità di taglio e per la durata dell'utensile. La parte smussata del tagliente dovrebbe essere compresa tra 0,2 e 0,3 mm.
Un tagliente troppo usurato oltre ad avere una ridotta capacità di taglio è più facilmente soggetto a scheggiatura e rottura.

DIAMOND TOOLS

Our production focuses on quality, as perfectly demonstrated by our diamond tools.
The care we take in manufacturing our Polycrystal Diamond (**PCD**) tools ensures our customers an excellent cutting quality and reliability over time.
Our PCD tools are created at our departments on based on projects devised by our technical office, in coordination with our customers, with the support of state-of-the-art technology and the aid of our team of highly experienced technicians.
This allows us to find the best solution to the most varied situations.
Re-sharpening is a fundamental practice for the life of a tool. We carry it out with the utmost care and attention so as to keep the cutting characteristics and the geometry of the tool unaltered.

The main causes that lead to the need for re-sharpening include:



WEAR

Due to the machining of homogenous materials, the abrasion of the material causes an even dulling of the cutting edges.



SPALLING / RUPTURE

Due to the machining of wood-based materials containing mineral or metallic substances, the collision with the impurities causes ruptures of varying size in the cutting edges.

All the tools we receive undergo a thorough analysis carried out by our sharpening centre, to decide the most suitable action to take from the following range of actions:

- Standard sharpening with removal of 0.2 mm of material for tools only featuring the signs of wear. The value of 0.2 mm may increase in case of very worn cutting edges.

- Deep sharpening with removal of material and/or replacement of cutting edges.
  This operation varies depending on the presence and size of spalling or rupture in the cutting edge.

Any sharpening and replacement are carried out only after consulting our users in order to avoid unpleasant misunderstandings.

Prompt sharpening plays a major role in the cutting quality and life of the tool.
The chamfered part of the cutting edge should range between 0.2 and 0.3 mm.
A very worn cutting edge features a limited cutting capacity and is more easily subject to spalling and rupture.

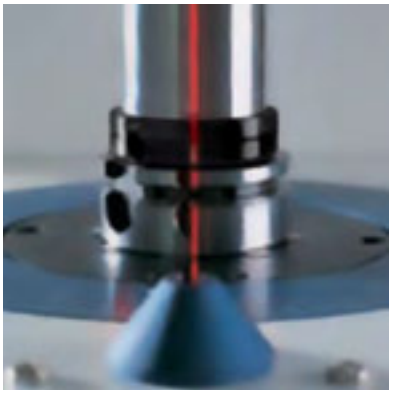
EQUILIBRATURA
BALANCE

Le operazioni di Fresatura ad alta velocità richiedono un corretto equilibrio degli utensili impiegati al fine di poter adottare i corretti parametri di velocità di taglio ed avanzamento e garantendo al tempo stesso: durata dell'utensile, del mandrino e qualità della superficie lavorata.

Squilibri anche piccoli, ma presenti in condizioni di elevata velocità di taglio, creano sollecitazioni rilevanti che interessano i cuscinetti del mandrino e problemi di risonanza sull'intero sistema provocando una disomogeneità di rotazione dell'utensile con la conseguente riduzione della qualità di finitura sul materiale.

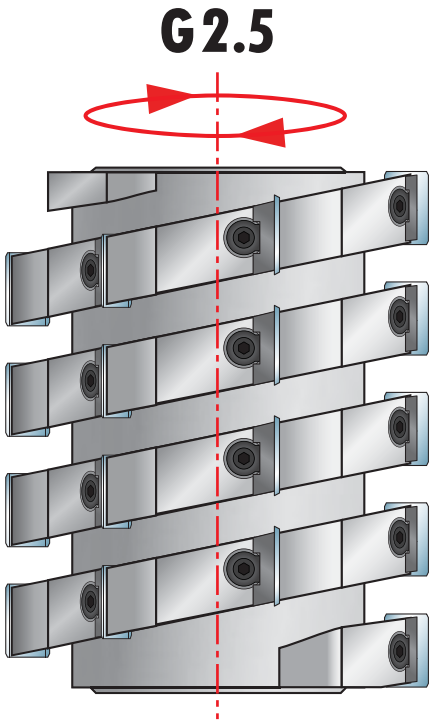
High-speed milling operations need a correct balance of the tools engaged in order to adopt the correct speed's parameter of cut and feed. These operations should also guarantee at the same time: tool and chuks life and quality of the worked surface.

Small unbalances in high-speed cut cause considerable stress, which interests chuck bearings and also resonance problems at the whole system. This brings to a not-homogeneus rotation of the tool that causes a reduction in material finishing quality.



Ogni utensile prodotto dalla **MONTENERO UTENSILI s.n.c.** viene equilibrato dinamicamente per mezzo di sofisticate macchine elettroniche.

Each tool produced by the **MONTENERO UTENSILI s.n.c.** company will be dynamically balanced through sophisticated electronical machine.



I benefici che si ottengono da una buona equilibratura dell'utensile sono:

- **Riduzione delle Vibrazioni**
- **Riduzione della Rumorosità**
- **Miglioramento della Finitura**
- **Rispetto della Tolleranze**
- **Aumento della durata dei cuscinetti del Mandrino con conseguente riduzione dei fermi macchina**
- **Aumento della durata dei Taglienti**

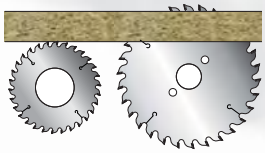
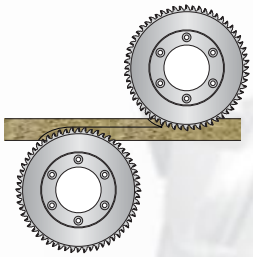
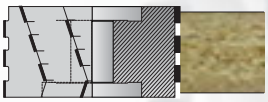
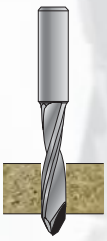
Benefits of good balanced tools:

- **Vibrations reduction**
- **Noise reduction**
- **Finishing improvement**
- **Respect of tolerances**
- **Improvement of chucks bearing's life with consequent reduction of the machine stop**
- **Improvement of the cutting parts**

Tutti gli utensili vengono quindi forniti con una equilibratura garantita di **G2,5** al massimo n° di giri riportato sulla marcatura dell'utensile.

All tools are balanced to the maximum rpm foreseen in order to equip them with guaranteed balance G2,5.

DIAMANTE
DIAMOND
DIAMANT
DIAMANTE

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MONTENERO
WOODWORKING·TOOLS

TAGLIO/SEZIONATURA

SAWING/SIZING • SCHNEIDEN • CORTAR/SECCIONAR

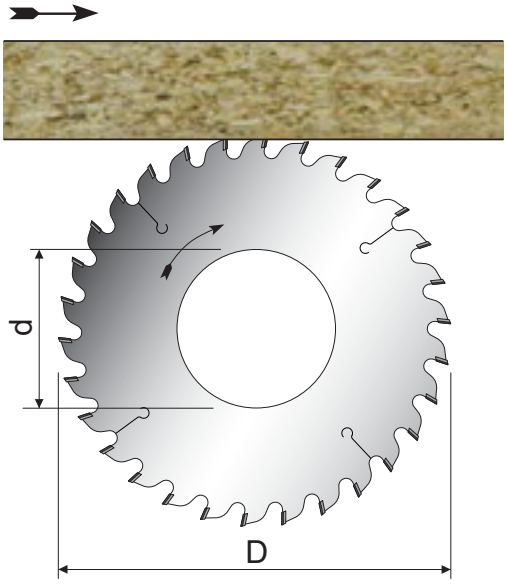
Lame incisori coniche Conical scoring sawblade • Vorritz-Kreissägeblätter, konisch Sierra grabadora cónica	DAF 010	**03**
Lame incisori regolabili complete di anelli Adjustable scoring sawblade with distance rings • Vorritz-Kreissägeblätter, verstellbar mit Distanzringe Sierra grabadora cónica completa de anillos	DAF 020	**04**
Lame circolari H4 Circular sawblade H4 • Kreissägeblatt H4 Sierra Circular H4	DAF 030	**05**
Lame circolari H6 Circular sawblade H6 • Kreissägeblatt H6 Sierra Circular H6	DAF 031	**06**
Lame circolari a passo variabile per materiale delicato H6 Circular sawblade with variable lead H6 • Kreissägeblatt mit variable Abstand H6 Sierra Circular con paso variable H6	DAF 032	**07**
Lame circolari per sezionatura H6 per pannelli bilaminati Circular sawblade H6 for sizing bilaminated panels • Kreisägeblätter H6 für zweifach laminierten Platten Sierra circular H6 para panels bilaminados	DAF 035	**08**
Lame circolari per sezionatrice H4 Circular sawblade H4 for sizing machine • Kreissägeblatt H4 Sierra Circular H 4 para maquina seccionadora	DAF 040	**09**
Lame circolari per sezionatrice H6 Circular sawblade H6 for sizing machine • Kreissägeblatt H6 Sierra Circular H6 para maquina seccionadora	DAF 041	**10**

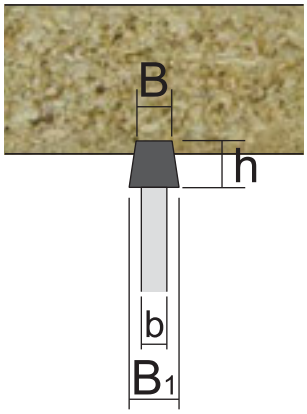


LAME INCISORI CONICHE

Conical scoring sawblade
Vorritz-Kreissägeblätter, konisch
Sierra grabadora cónica

CODICE CODE	D *mm*	B/B1 *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF01001	125	3,1 / 4,3	2,2	20	24	4
DAF01002	125	4,4 / 5,6	2,8	20	24	4
DAF01003	150	4,3 / 5,6	2,8	30	30	4
DAF01004	160	4,3 / 5,6	2,8	55	36	4
DAF01005	200	4,3 / 5,6	2,8	30 / 80	36	4
DAF01006	200	4,6 / 5,8	2,8	45	36	4
DAF01007	125	3,1 / 4,3	2,2	20	24	6
DAF01008	125	4,4 / 5,6	2,8	20	24	6
DAF01009	150	4,3 / 5,6	2,8	30	30	6
DAF01010	160	4,3 / 5,6	2,8	55	36	6
DAF01011	200	4,3 / 5,6	2,8	30 / 80	36	6
DAF01012	200	4,6 / 5,8	2,8	45	36	6



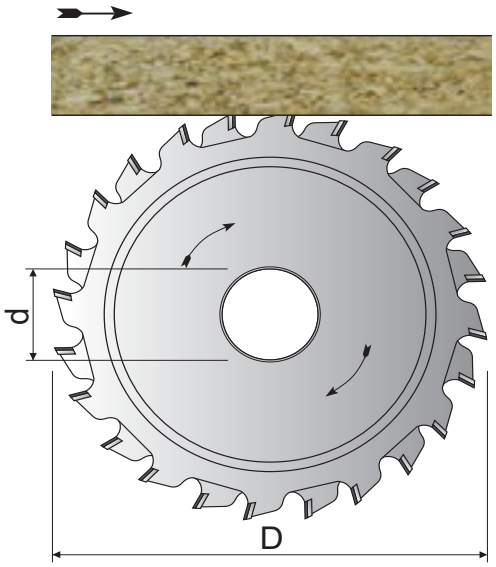


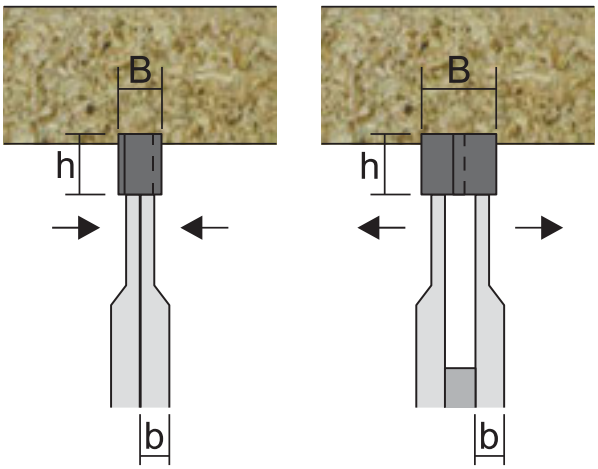


LAME INCISORI REGOLABILI COMPLETE DI ANELLI

Adjustable scoring sawblade with distance rings
Vorritz-Kreissägeblätter, verstellbar mit Distanzringe
Sierra grabadora cónica completa de anillos

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF02001	80	2,8 / 3,6	2,2	20	12 + 12	4
DAF02002	100	2,8 / 3,6	2,2	20 / 22	12 + 12	4
DAF02003	120	2,8 / 3,6	2,2	20 / 22	12 + 12	4
DAF02004	125	2,8 / 3,6	2,2	20 / 22	12 + 12	4
DAF02005	120	2,8 / 3,6	2,2	50 + 4	12 + 12	4
DAF02006	80	2,8 / 3,6	2,2	20	12 + 12	6
DAF02007	100	2,8 / 3,6	2,2	20 / 22	12 + 12	6
DAF02008	120	2,8 / 3,6	2,2	20 / 22	12 + 12	6
DAF02009	125	2,8 / 3,6	2,2	20 / 22	12 + 12	6
DAF02010	120	2,8 / 3,6	2,2	50 + 4	12 + 12	6



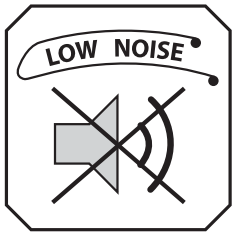




LAME CIRCOLARI H4

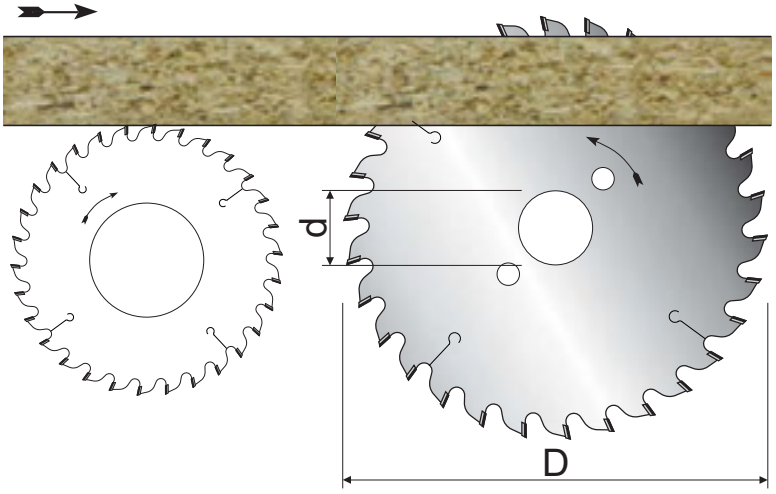
Circular sawblade H4
Kreissägeblatt H4
Sierra Circular H4

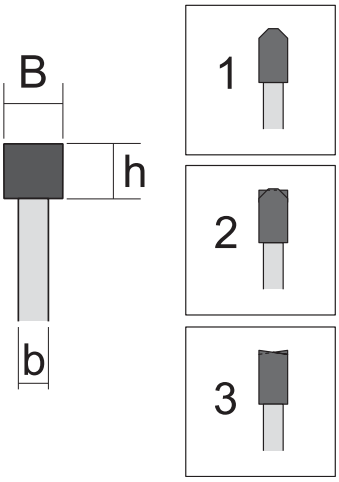
CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF03001	250	3,2	2,2	30	48	4
DAF03002	250	3,2	2,2	30	60	4
DAF03003	300	3,2	2,2	30	48	4
DAF03004	300	3,2	2,2	30	60	4
DAF03005	300	3,2	2,2	30	72	4
DAF03006	300	3,2	2,2	30	96	4
DAF03007	350	3,5	2,5	30	54	4
DAF03008	350	3,5	2,5	30	72	4
DAF03009	350	3,5	2,5	30	84	4



Su richiesta anche con corpo silenziato

On request the body can be produced silenced



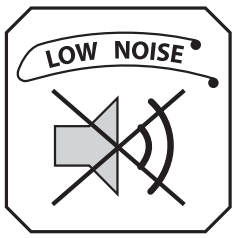




LAME CIRCOLARI H6

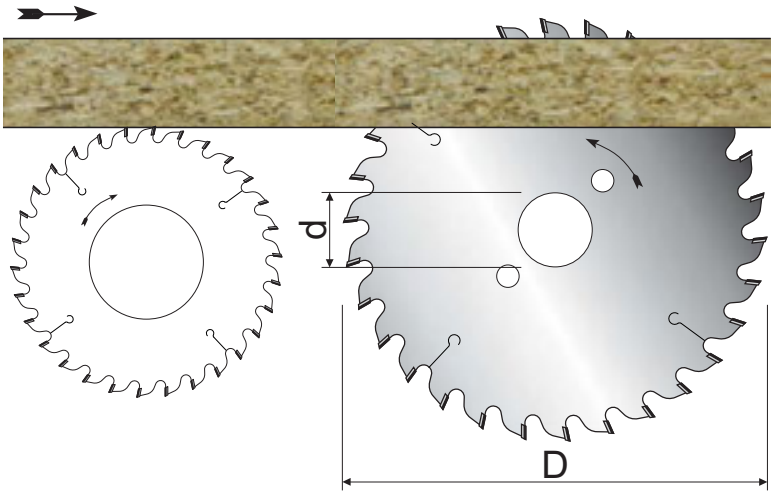
Circular sawblade H6
Kreissägeblatt H6
Sierra Circular H6

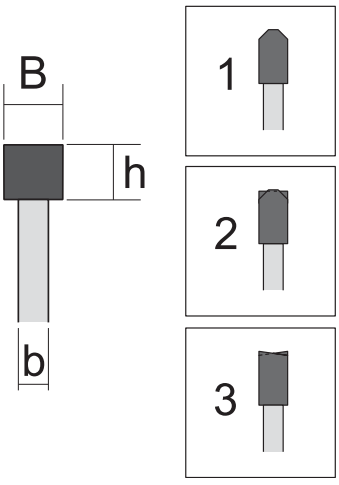
CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF03101	250	3,2	2,2	30	48	6
DAF03102	250	3,2	2,2	30	60	6
DAF03103	300	3,2	2,2	30	48	6
DAF03104	300	3,2	2,2	30	60	6
DAF03105	300	3,2	2,2	30	72	6
DAF03106	300	3,2	2,2	30	96	6
DAF03107	350	3,5	2,5	30	54	6
DAF03108	350	3,5	2,5	30	72	6
DAF03109	350	3,5	2,5	30	84	6



Su richiesta anche con corpo silenziato

On request the body can be produced silenced



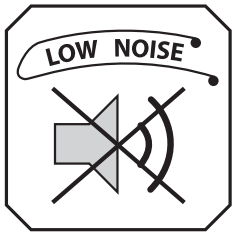




LAME CIRCOLARI A PASSO VARIABILE H6

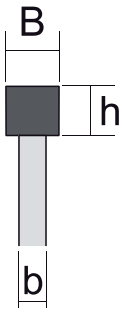
Circular sawblade with variable lead H6
Kreissägeblatt mit variable Abstand H6
Sierra Circular con paso variable H6

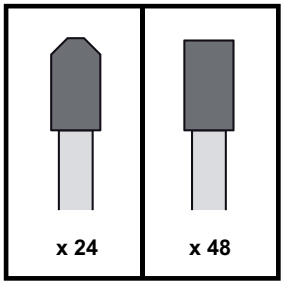
CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF03201	300	3,2	2,2	30	72	6
DAF03202	350	3,5	2,5	30	72	6
DAF03203	350	4,4	3,2	30	72	6
DAF03204	450	4,6	3,5	30	72	6

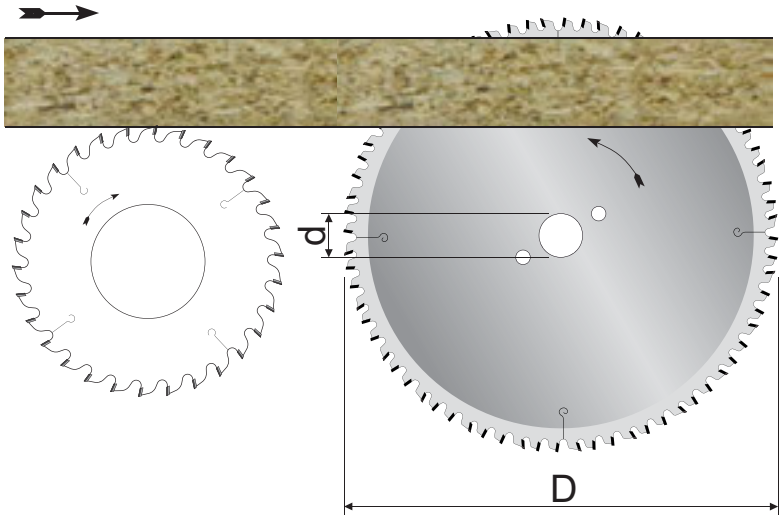


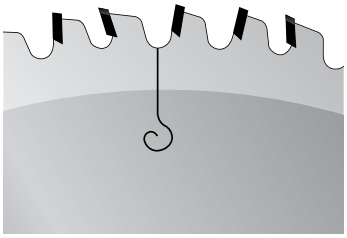
Corpo silenziato
Body silenced

Ideale per lavorare materiale delicato
Suggested to work delicate material
Empfohlen für die Bearbeitung empfindliches Material
Recomendado para trabajar material delicado









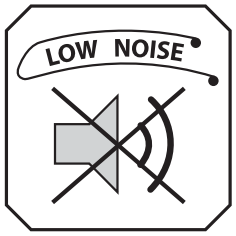


LAME CIRCOLARI PER SEZIONATURA H6 PER PANNELLI BILAMINATI

Circular sawblade H6 for sizing bilaminated panels
Kreisägeblätter H6 für zweifach laminierten Platten
Sierra circular H6 para panels bilaminados

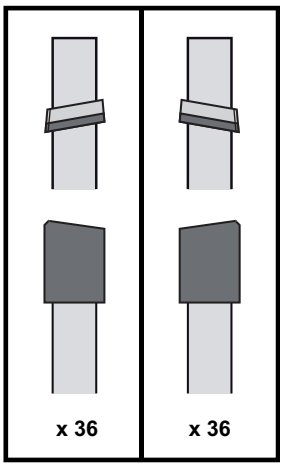
CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF03501	300	3,2	2,2	30	72	6
DAF03502	350	3,5	2,5	30	72	6
DAF03503	350	4,4	3,2	30	72	6
DAF03504	450	4,6	3,5	30	72	6

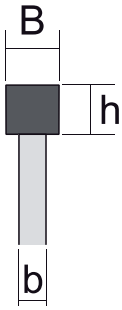
∗ **Diametro del foro a richiesta**
Bore's diameter on request

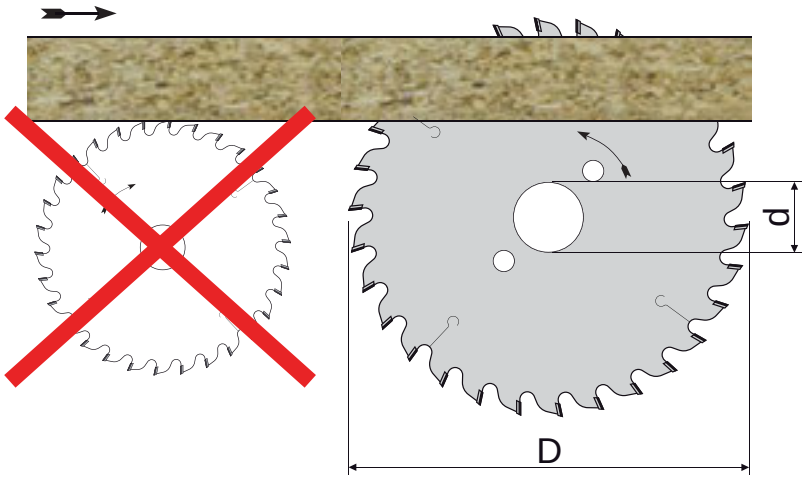


Corpo silenziato
Body silenced

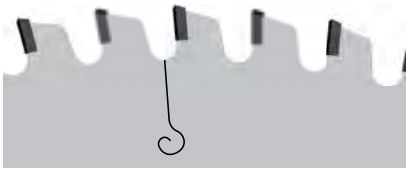
FORMA DEL DENTE
teeth form







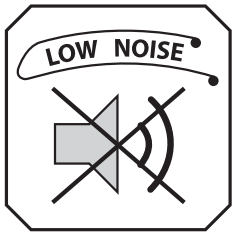
Lavora senza incisore
It works without scoring blade





LAME CIRCOLARI PER SEZIONATRICE H4

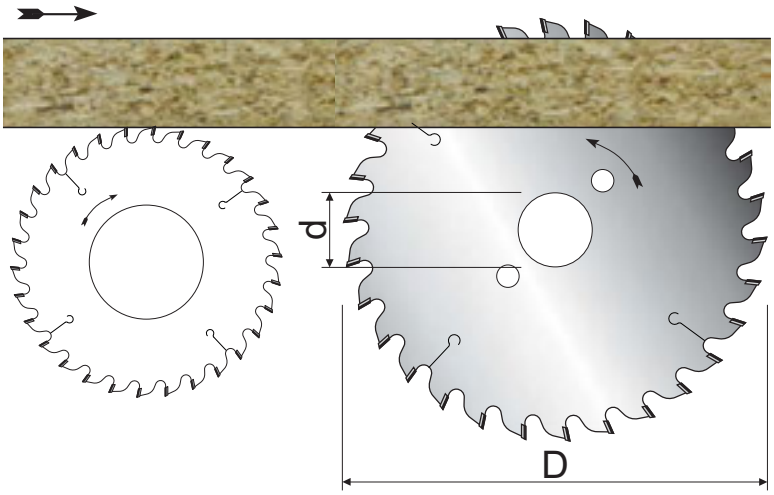
Sizing sawblade H4 for sizing machine
Kreissägeblatt H4
Sierra Circular H4 para maquina seccionadora

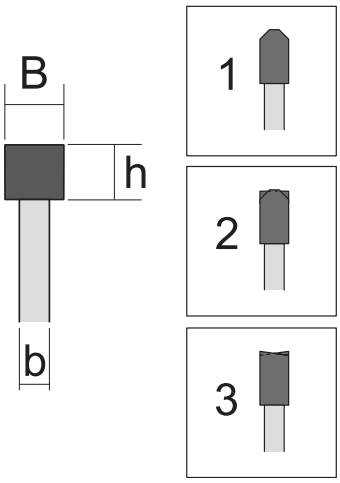


Su richiesta anche con corpo silenziato
On request the body can be produced silenced

CODICE CODE	D mm	B mm	b mm	d mm	Z	DIAMANTE h mm
DAF04001	300	4,4	3,2	*	60	4
DAF04002	350	4,4	3,2	*	54	4
DAF04003	350	4,4	3,2	*	72	4
DAF04004	400	4,4	3,5	*	36	4
DAF04005	400	4,4	3,5	*	60	4
DAF04006	400	4,4	3,5	*	72	4
DAF04007	420	4,4	3,5	*	48	4
DAF04008	420	4,4	3,5	*	60	4
DAF04009	420	4,4	3,5	*	72	4
DAF04010	430	4,4	3,5	*	60	4
DAF04011	430	4,4	3,5	*	72	4
DAF04012	450	4,6	3,5	*	48	4
DAF04013	450	4,6	3,5	*	60	4
DAF04014	450	4,6	3,5	*	72	4
DAF04015	500	5,2	4	*	54	4
DAF04016	500	5,2	4	*	72	4
DAF04017	550	5,2	4	*	54	4
DAF04018	550	5,2	4	*	72	4
DAF04019	565	5,4	4	*	60	4
DAF04020	565	5,4	4	*	72	4

∗ **Diametro del foro a richiesta**
Bore's diameter on request

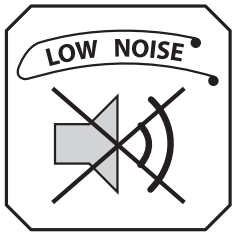






LAME CIRCOLARI PER SEZIONATRICE H6

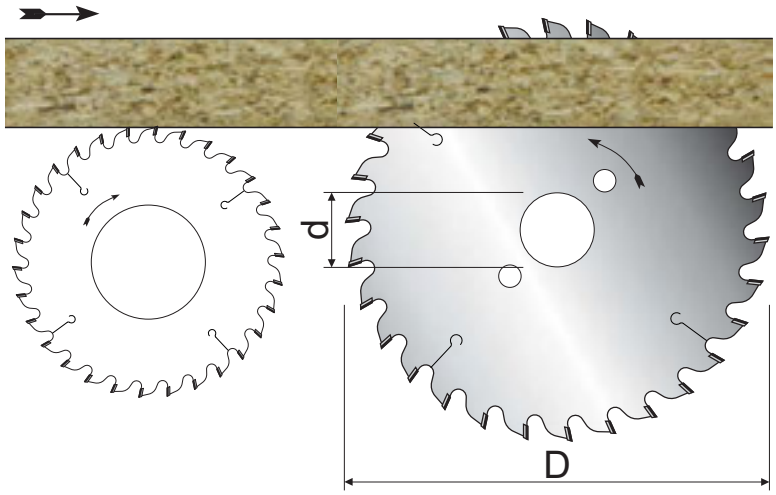
Sizing sawblade H6 for sizing machine
Kreissägeblatt H6
Sierra Circular H6 para maquina seccionadora

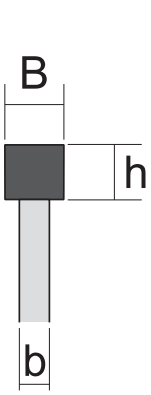


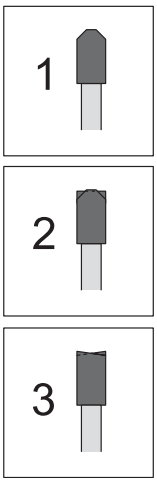
Su richiesta anche con corpo silenziato
On request the body can be produced silenced

CODICE CODE	D mm	B mm	b mm	d mm	Z	DIAMANTE h mm
DAF04101	300	4,4	3,2	*	60	6
DAF04102	350	4,4	3,2	*	54	6
DAF04103	350	4,4	3,2	*	72	6
DAF04104	400	4,4	3,5	*	36	6
DAF04105	400	4,4	3,5	*	60	6
DAF04106	400	4,4	3,5	*	72	6
DAF04107	420	4,4	3,5	*	48	6
DAF04108	420	4,4	3,5	*	60	6
DAF04109	420	4,4	3,5	*	72	6
DAF04110	430	4,4	3,5	*	60	6
DAF04111	430	4,4	3,5	*	72	6
DAF04112	450	4,6	3,5	*	48	6
DAF04113	450	4,6	3,5	*	60	6
DAF04114	450	4,6	3,5	*	72	6
DAF04115	500	5,2	4	*	54	6
DAF04116	500	5,2	4	*	72	6
DAF04117	550	5,2	4	*	54	6
DAF04118	550	5,2	4	*	72	6
DAF04119	565	5,4	4	*	60	6
DAF04120	565	5,4	4	*	72	6
DAF04121	600	5,8	4	*	60	6
DAF04122	600	5,8	4	*	72	6
DAF04123	600	5,8	4	*	84	6

∗ **Diametro del foro a richiesta**
Bore's diameter on request







SQUADRATURA

HOGGING • ZERSPANEN • TRITURAR

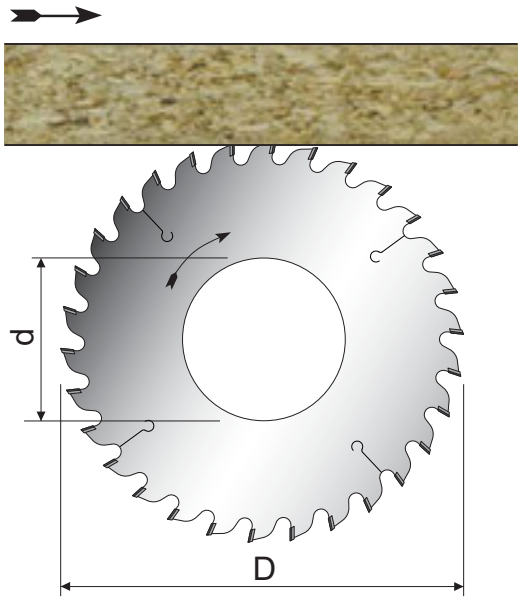
Lame incisore per squadratrice H4	DAF 050	**12**
Scoring sawblades H4 for hogging machine • Vorritz-Kreissägeblätter H4 Sierra grabadora H4 para maquina seccionadora		
Lame incisore per squadratrice H6	DAF 051	**13**
Scoring sawblades H6 for hogging machine • Vorritz-Kreissägeblätter H6 Sierra grabadora H6 para maquina seccionadora		
Lame per truciolatori H4	DAF 060	**14**
Sawblades H4 for hogging-unit • Sägeblätter H4 für Zerspaner Sierras H4 para trituradores		
Lame per truciolatori H6	DAF 062	**15**
Sawblades H6 for hogging-unit • Sägeblätter H6 für Zerspaner Sierras H6 para trituradores		
Lame speciali per truciolatori H6	DAF 070	**16**
Special sawblades H6 for hogging-unit • Spezialsägeblätter H6 für Zerspaner Sierras especiales H6 para trituradores		
Corpi truciolatore a 6 settori	DAF 100	**17**
Hogging-unit body with 6 sectors • Zerspanerkörper mit 6 Segmente Cuerpos trituradores con 6 sectores		
Corpi truciolatore a 6 settori per mozzi a sgancio rapido	DAF 110	**18**
Hogging-unit body with 6 sectors for quick-clamping system • ZerspanerKörper mit 6 Segmente für Schnellspann-system Cuerpos trituradores con 6 sectores para sistema de desenganche rapido		
Truciolatori monoblocco “LONG LIFE”	DAF 072	**19**
Compact hogging-unit “LONG LIFE” • Kompakt Zerspaner “LONG LIFE” Triturador compacto “LONG LIFE”		
Truciolatori monoblocco “LONG LIFE” per mozzi a sgancio rapido 160/192	DAF 073	**20**
Compact hogging-unit “LONG LIFE” for quick-clamping system 160/192 • Kompakt Zerspaner “LONG LIFE” für Schnellspann-system 160/192 Triturador compacto “LONG LIFE” para sistema de desenganche rapido 160/192		
Truciolatori monoblocco	DAF 074	**21**
Compact hogging-unit • Kompakt Zerspaner Triturador compacto		
Truciolatori monoblocco per mozzi a sgancio rapido 160/192	DAF 075	**22**
Compact hogging-unit for quick-clamping system 160/192 • Kompakt Zerspaner für Schnellspann-system 160/192 Triturador compacto para sistema de desenganche rapido 160/192		
Truciolatori monoblocco a profilo raggiato	DAF 080	**23**
Radius compact hogging-unit • Radien kompakt Zerspaner Triturador compacto con dientes radiados		
Truciolatori monoblocco a profilo raggiato per mozzi a sgancio rapido 160/192	DAF 081	**24**
Radius compact hogging-unit for quick clamping system 160/192 • Radien kompakt Zerspaner für Schnellspann-system 160/192 Triturador compacto con dientes radiados para sistema de desenganche rapido 160/192		
Truciolatori monoblocco a profilo raggiato per mozzi a sgancio rapido 160/192 H5	DAF 082	**25**
Radius compact hogging-unit for quick clamping system 160/192 H5 • Radien kompakt Zerspaner für Schnellspann-system 160/192 H5 Triturador compacto con dientes radiados para sistema de desenganche rapido 160/192 H5		
Mozzi regolabili per truciolatori	DAF 090	**26**
Adjustable clamping system for hogging-unit • Verstellbare Spannsystem für Zerspaner Sistema de desenganche regulable para trituradores		
Mozzi standard per truciolatori	DAF 091	**27**
Standard clamping system for hogging-unit • Standard Spannsystem für Zerspaner Sistema de desenganche standard para trituradores		
Mozzi a sgancio rapido per truciolatori	DAF 092	**28**
Quick-clamping system for hogging-unit • Schnellspann-system für Zerspaner Sistema de desenganche rapido para trituradores		
Mozzi a sgancio rapido regolabili per truciolatori	DAF 093	**29**
Adjustable quick-clamping system for hogging-unit • Verstellbare Schnellspann-system für Zerspaner Sistema de desenganche rapido regulable para trituradores		

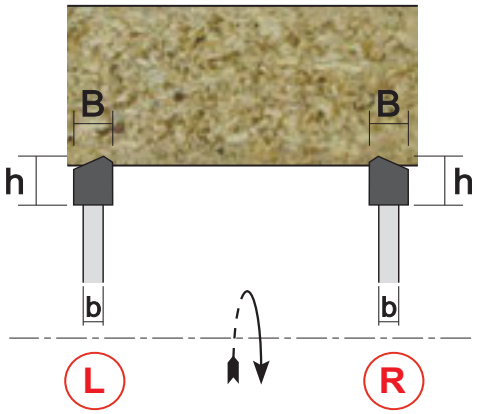


LAME INCISORE PER SQUADRATRICE H4

Scoring sawblades H4 for hogging machine
Vorritz-Kreissägeblätter H4
Sierra grabadora H4 para maquina seccionadora

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF05001	125	3,4	2,2	20 / 30	24	R	4
DAF05002	125	3,4	2,2	20 / 30	30	R	4
DAF05003	150	3,2	2,2	40 / 55 / 60	30	R	4
DAF05004	150	3,2	2,2	40 / 55 / 60	36	R	4
DAF05005	180	3,2	2,2	40 / 55 / 60	30	R	4
DAF05006	180	3,2	2,2	40 / 55 / 60	36	R	4
DAF05007	200	3,2	2,2	40 / 55 / 60	36	R	4
DAF05008	200	3,2	2,2	40 / 55 / 60	48	R	4
DAF05009	125	3,4	2,2	20 / 30	24	L	4
DAF05010	125	3,4	2,2	20 / 30	30	L	4
DAF05011	150	3,2	2,2	40 / 55 / 60	30	L	4
DAF05012	150	3,2	2,2	40 / 55 / 60	36	L	4
DAF05013	180	3,2	2,2	40 / 55 / 60	30	L	4
DAF05014	180	3,2	2,2	40 / 55 / 60	36	L	4
DAF05015	200	3,2	2,2	40 / 55 / 60	36	L	4
DAF05016	200	3,2	2,2	40 / 55 / 60	48	L	4



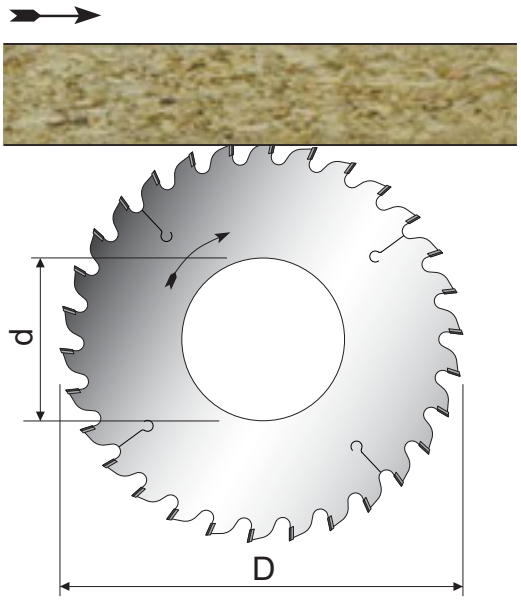


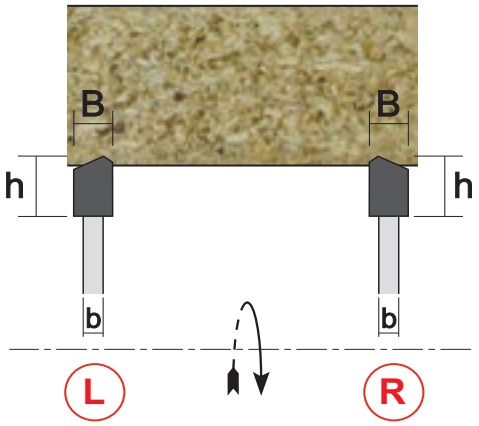


LAME INCISORE PER SQUADRATRICE H6

Scoring sawblades H6 for hogging machine
Vorritz-Kreissägeblätter H6
Sierra grabadora H6 para maquina seccionadora

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF05101	125	3,4	2,2	20 / 30	24	R	6
DAF05102	125	3,4	2,2	20 / 30	30	R	6
DAF05103	150	3,2	2,2	40 / 55 / 60	30	R	6
DAF05104	150	3,2	2,2	40 / 55 / 60	36	R	6
DAF05105	180	3,2	2,2	40 / 55 / 60	30	R	6
DAF05106	180	3,2	2,2	40 / 55 / 60	36	R	6
DAF05107	200	3,2	2,2	40 / 55 / 60	36	R	6
DAF05108	200	3,2	2,2	40 / 55 / 60	48	R	6
DAF05109	125	3,4	2,2	20 / 30	24	L	6
DAF05110	125	3,4	2,2	20 / 30	30	L	6
DAF05111	150	3,2	2,2	40 / 55 / 60	30	L	6
DAF05112	150	3,2	2,2	40 / 55 / 60	36	L	6
DAF05113	180	3,2	2,2	40 / 55 / 60	30	L	6
DAF05114	180	3,2	2,2	40 / 55 / 60	36	L	6
DAF05115	200	3,2	2,2	40 / 55 / 60	36	L	6
DAF05116	200	3,2	2,2	40 / 55 / 60	48	L	6



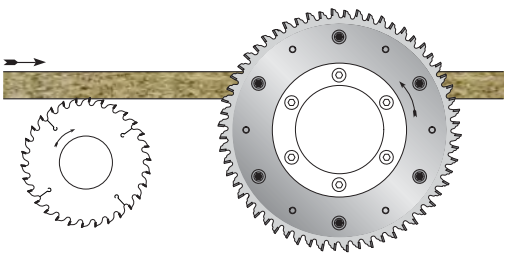


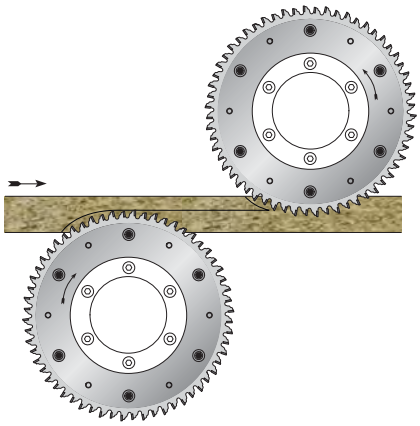


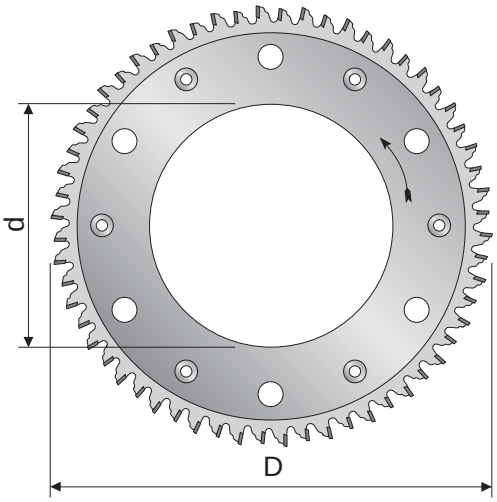
LAME PER TRUCIOLATORI H4

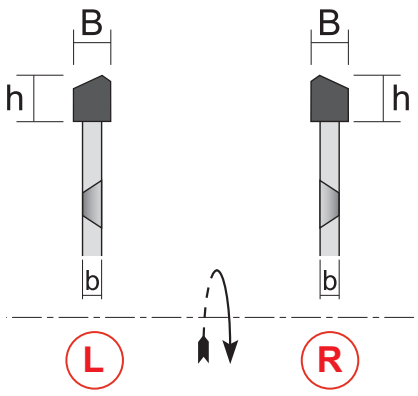
Sawblades H4 for hogging-unit
Sägeblätter H4 für Zerspaner
Sierras H4 para trituradores

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF06001	220	4,2	3,2	160	48	R	4
DAF06002	250	4,2	3,2	160	36	R	4
DAF06003	250	4,2	3,2	160	48	R	4
DAF06004	250	4,2	3,2	160	54	R	4
DAF06005	255	4,2	3,2	160	48	R	4
DAF06006	255	4,2	3,2	160	54	R	4
DAF06007	220	4,2	3,2	160	48	L	4
DAF06008	250	4,2	3,2	160	36	L	4
DAF06009	250	4,2	3,2	160	48	L	4
DAF06010	250	4,2	3,2	160	54	L	4
DAF06011	255	4,2	3,2	160	48	L	4
DAF06012	255	4,2	3,2	160	54	L	4







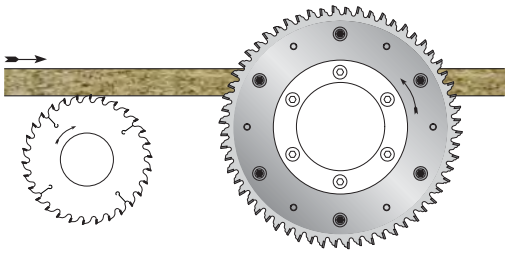


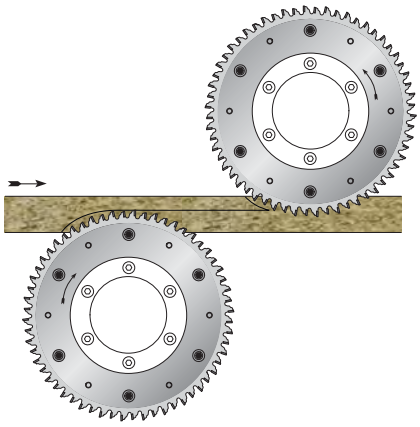


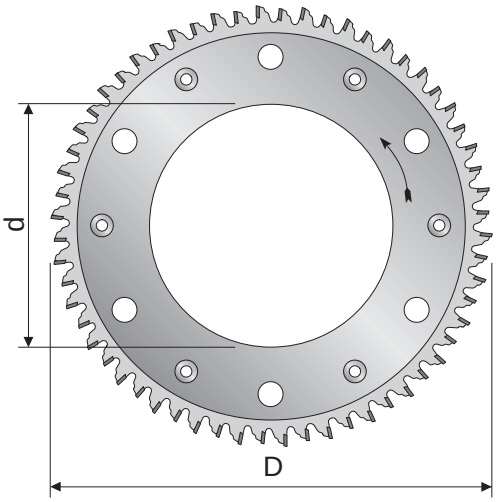
LAME PER TRUCIOLATORI H6

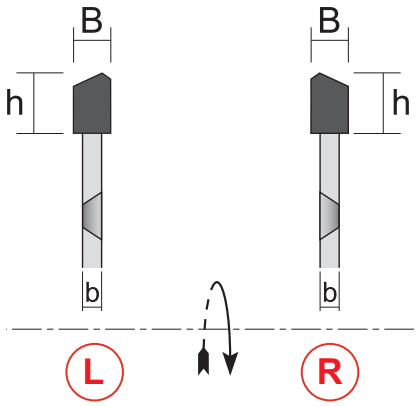
Sawblades H6 for hogging-unit
Sägeblätter H6 für Zerspaner
Sierras H6 para trituradores

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF06201	220	4,2	3,2	160	48	R	6
DAF06202	250	4,2	3,2	160	36	R	6
DAF06203	250	4,2	3,2	160	48	R	6
DAF06204	250	4,2	3,2	160	54	R	6
DAF06205	255	4,2	3,2	160	48	R	6
DAF06206	255	4,2	3,2	160	54	R	6
DAF06207	220	4,2	3,2	160	48	L	6
DAF06208	250	4,2	3,2	160	36	L	6
DAF06209	250	4,2	3,2	160	48	L	6
DAF06210	250	4,2	3,2	160	54	L	6
DAF06211	255	4,2	3,2	160	48	L	6
DAF06212	255	4,2	3,2	160	54	L	6







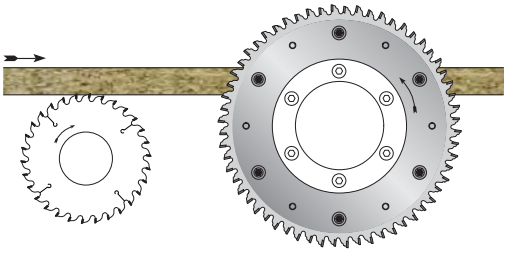


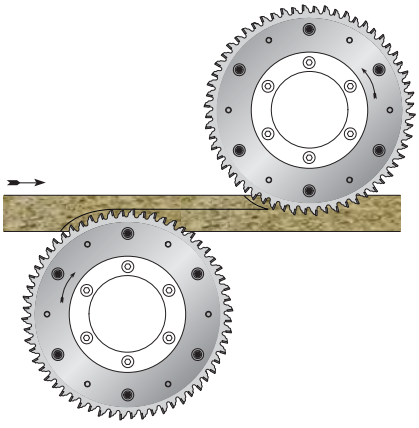


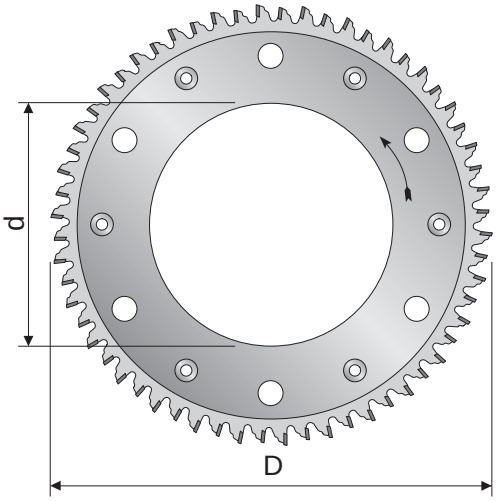
LAME SPECIALI PER TRUCIOLATORI H6

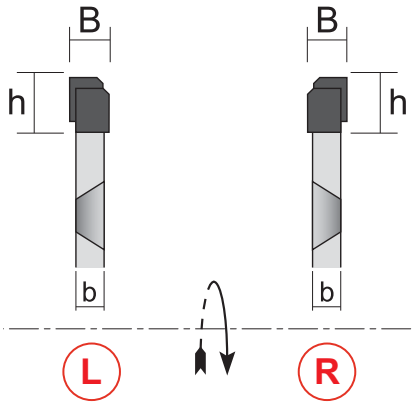
Special sawblades H6 for hogging-unit
Spezialsägeblätter H6 für Zerspaner
Sierras especiales H6 para trituradores

CODICE CODE	D *mm*	B *mm*	b *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF07001	220	4,5	3,2	100	25 + 25	R	6
DAF07002	220	4,5	3,2	100	30 + 30	R	6
DAF07003	250	4,5	3,2	100	24 + 24	R	6
DAF07004	250	4,5	3,2	100	30 + 30	R	6
DAF07005	220	4,5	3,2	100	25 + 25	L	6
DAF07006	220	4,5	3,2	100	30 + 30	L	6
DAF07007	250	4,5	3,2	100	24 + 24	L	6
DAF07008	250	4,5	3,2	100	30 + 30	L	6









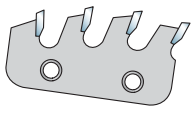
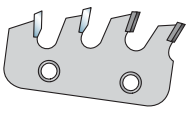


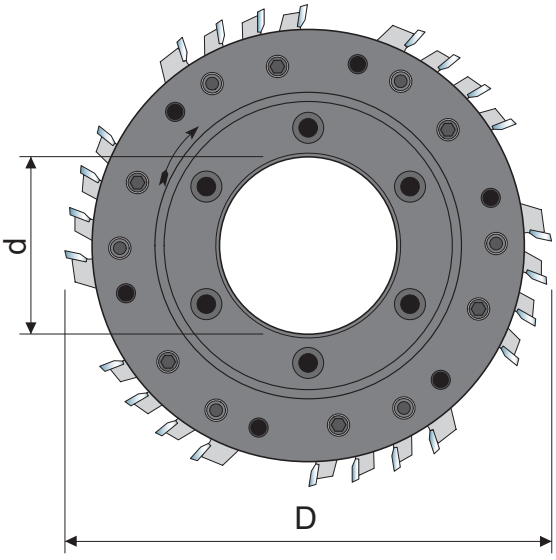
CORPI TRUCIOLATORE A 6 SETTORI

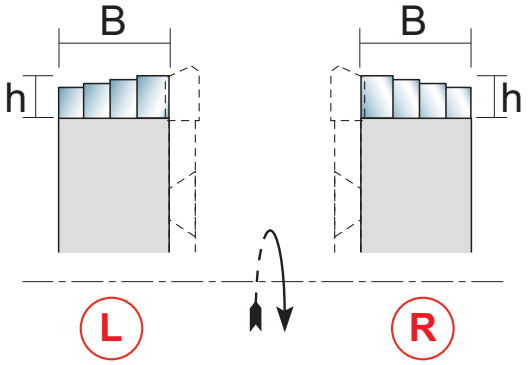
Hogging-unit body with 6 sectors
Zerspanerkörper mit 6 Segmente
Cuerpos trituradores con 6 sectores

Per Art. DAF 060 - 062 - 070

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	SETTORI SECTORS	ROTAZ. ROTAT.
DAF10001	224	20	80	20	5	R
DAF10002	224	20	80	10+10 DP	5	R
DAF10003	245	20	80	24	6	R
DAF10004	245	20	80	12+12 DP	6	R
DAF10005	224	20	80	20	5	L
DAF10006	224	20	80	10+10 DP	5	L
DAF10007	245	20	80	24	6	L
DAF10008	245	20	80	12+12 DP	6	L

RICAMBI ORDINABILI / SPARE PARTS		
1 SETTORE 1 SECTOR	**1 SETTORE** 1 SECTOR	**1 VITE PER SETTORE** 1 SCREW FOR SECTOR
		
Z 4 - HW	**Z 2+2 - HW+DIA**	**ACCIAIO** / STEEL





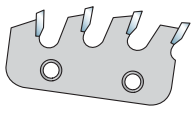
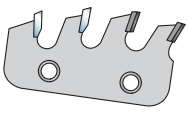


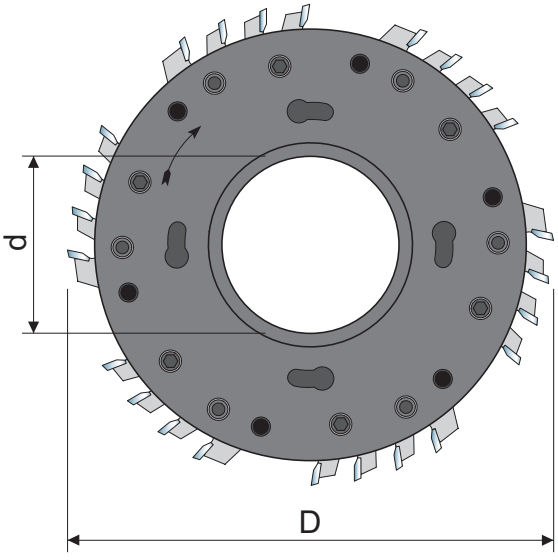
CORPI TRUCIOLATORE A 6 SETTORI PER MOZZI A SGANCIO RAPIDO

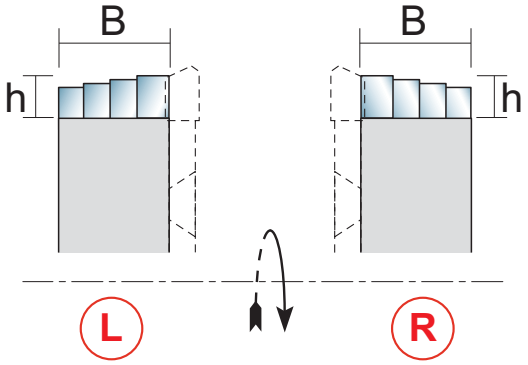
Hogging-unit body with 6 sectors for quick-clamping system
ZerspanerKörper mit 6 segmente für Schnellspann-system
Cuerpos trituradores con 6 sectores para sistema de desenganche rapido

Per Art. DAF 060 - 062 - 070

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	SETTORI SECTORS	ROTAZ. ROTAT.
DAF11001	224	20	60	20	5	R
DAF11002	224	20	60	10+10 DP	5	R
DAF11003	245	20	60	24	6	R
DAF11004	245	20	60	12+12 DP	6	R
DAF11005	224	20	60	20	5	L
DAF11006	224	20	60	10+10 DP	5	L
DAF11007	245	20	60	24	6	L
DAF11008	245	20	60	12+12 DP	6	L

RICAMBI ORDINABILI / SPARE PARTS		
1 SETTORE 1 SECTOR	**1 SETTORE** 1 SECTOR	**1 VITE PER SETTORE** 1 SCREW FOR SECTOR
		
Z 4 - HW	**Z 2+2 - HW+DIA**	**ACCIAIO** / STEEL



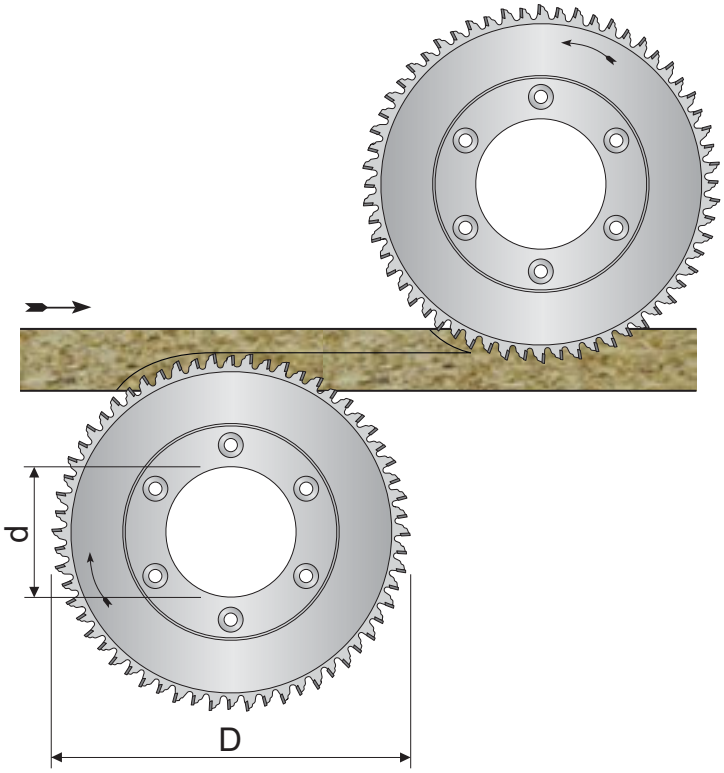


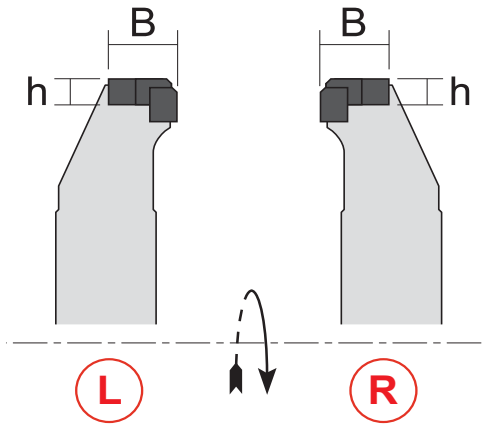


TRUCIOLATORI MONOBLOCCO “LONG LIFE”

Compact hogging-unit “LONG LIFE”
Kompakt Zerspaner “LONG LIFE”
Triturador compacto “LONG LIFE”

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 h *mm*
DAF07201	210	15	80	24 + 24	R	48	6
DAF07202	225	15	80	24 + 24	R	48	6
DAF07203	250	15	80	24 + 24	R	48	6
DAF07204	250	15	80	30 + 30	R	60	6
DAF07205	210	15	80	24 + 24	L	48	6
DAF07206	225	15	80	24 + 24	L	48	6
DAF07207	250	15	80	24 + 24	L	48	6
DAF07208	250	15	80	30 + 30	L	60	6



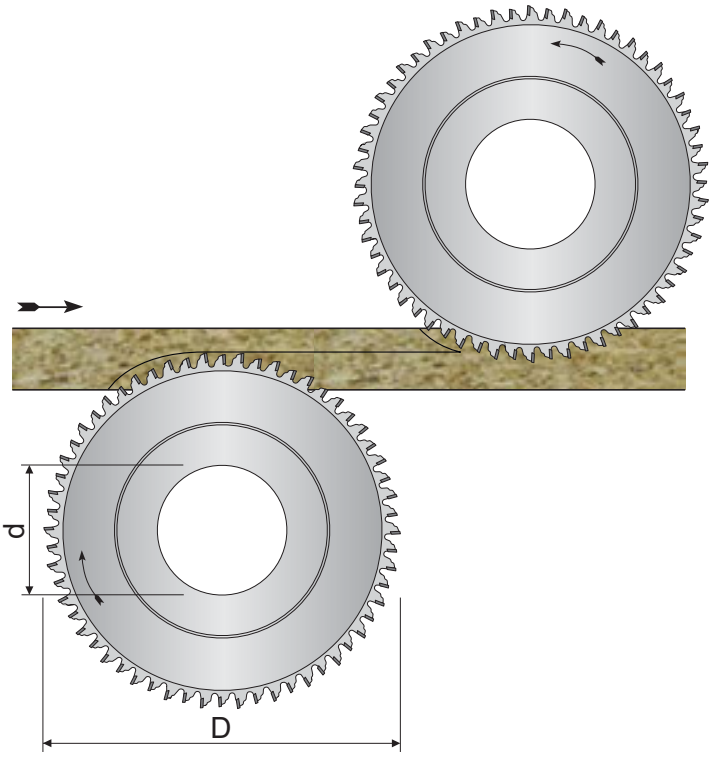


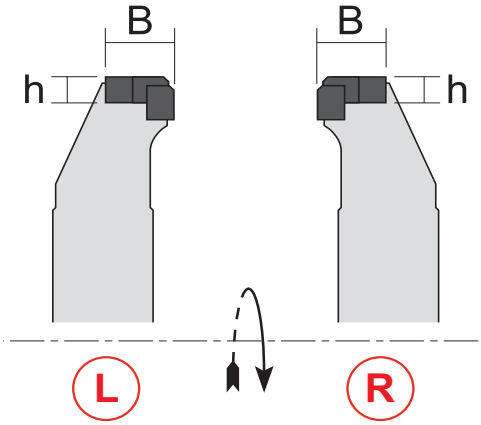


TRUCIOLATORI MONOBLOCCO “LONG LIFE” PER MOZZI A SGANCIO RAPIDO 160/192

Compact hogging-unit “LONG LIFE” for quick-clamping system 160/192
Kompakt Zerspaner “LONG LIFE” für Schnellspann-system 160/192
Triturador compacto “LONG LIFE” para sistema de desenganche rapido 160/192

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS	
						n°	h *mm*
DAF07301	210	15	60	24 + 24	R	48	6
DAF07302	225	15	60	24 + 24	R	48	6
DAF07303	250	15	60	24 + 24	R	48	6
DAF07304	250	15	60	30 + 30	R	60	6
DAF07305	210	15	60	24 + 24	L	48	6
DAF07306	225	15	60	24 + 24	L	48	6
DAF07307	250	15	60	24 + 24	L	48	6
DAF07308	250	15	60	30 + 30	L	60	6



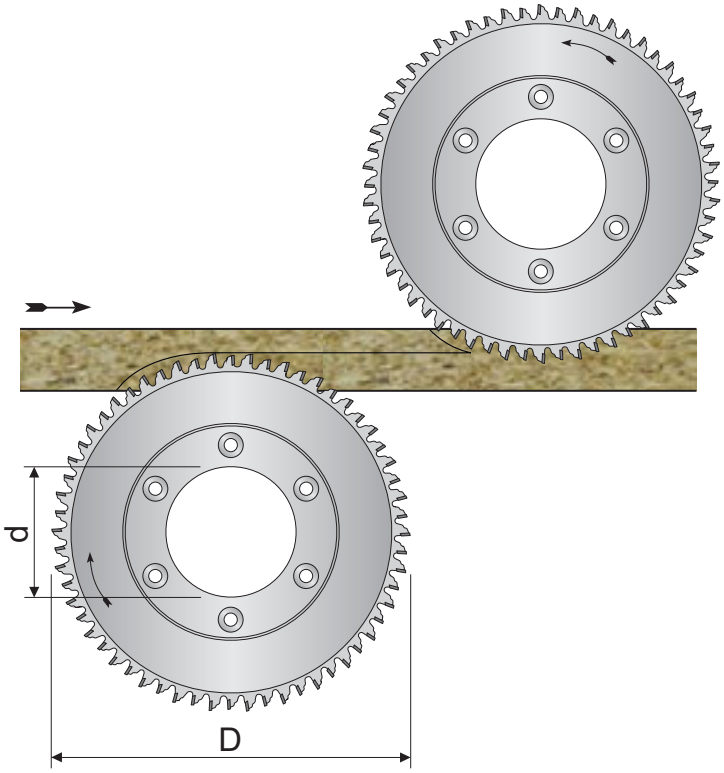


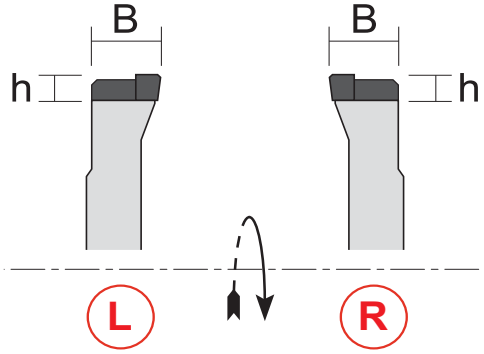


TRUCIOLATORI MONOBLOCCO

Compact hogging-unit
Kompakt Zerspaner
Triturador compacto

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS	
						n°	h *mm*
DAF07401	210	15	80	36 + 6	R	36	6
DAF07402	225	15	80	42 + 6	R	42	6
DAF07403	250	15	80	48 + 6	R	48	6
DAF07404	250	15	80	54 + 6	R	54	6
DAF07405	210	15	80	36 + 6	L	36	6
DAF07406	225	15	80	42 + 6	L	42	6
DAF07407	250	15	80	48 + 6	L	48	6
DAF07408	250	15	80	54 + 6	L	54	6



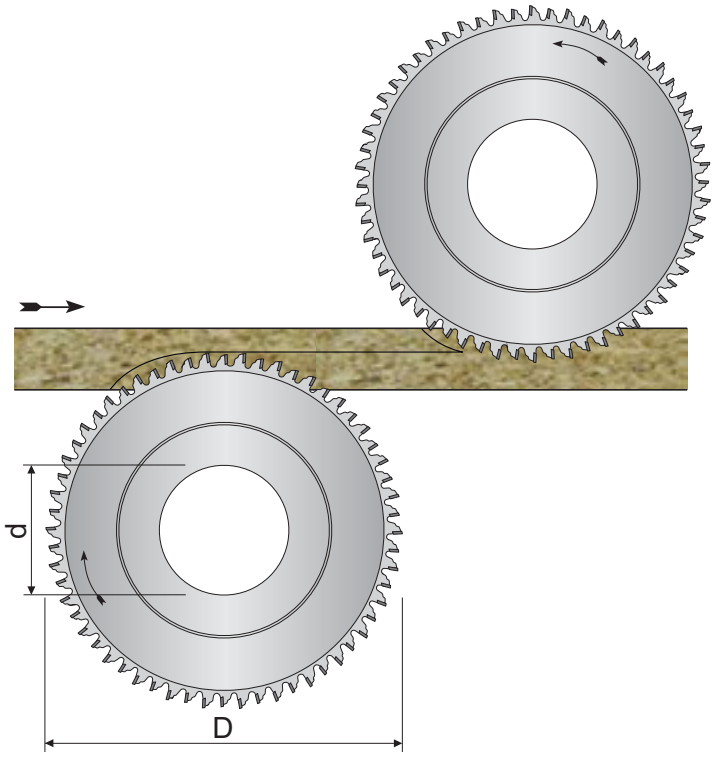


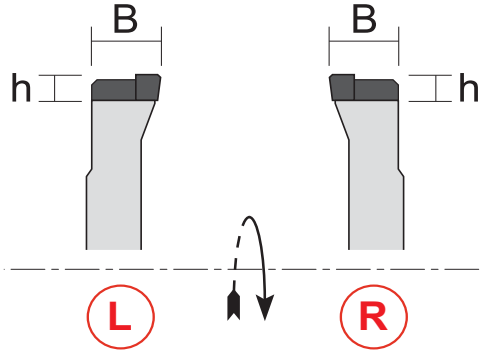


TRUCIOLATORI MONOBLOCCO PER MOZZI A SGANCIO RAPIDO 160/192

Compact hogging-unit for quick-clamping system 160/192
Kompakt Zerspaner für Schnellspann-system 160/192
Triturador compacto para sistema de desenganche rapido 160/192

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	PLACCHE - TIPS h *mm*
DAF07501	210	15	60	36 + 6	R	36	6
DAF07502	225	15	60	42 + 6	R	42	6
DAF07503	250	15	60	48 + 6	R	48	6
DAF07504	250	15	60	54 + 6	R	54	6
DAF07505	210	15	60	36 + 6	L	36	6
DAF07506	225	15	60	42 + 6	L	42	6
DAF07507	250	15	60	48 + 6	L	48	6
DAF07508	250	15	60	54 + 6	L	54	6



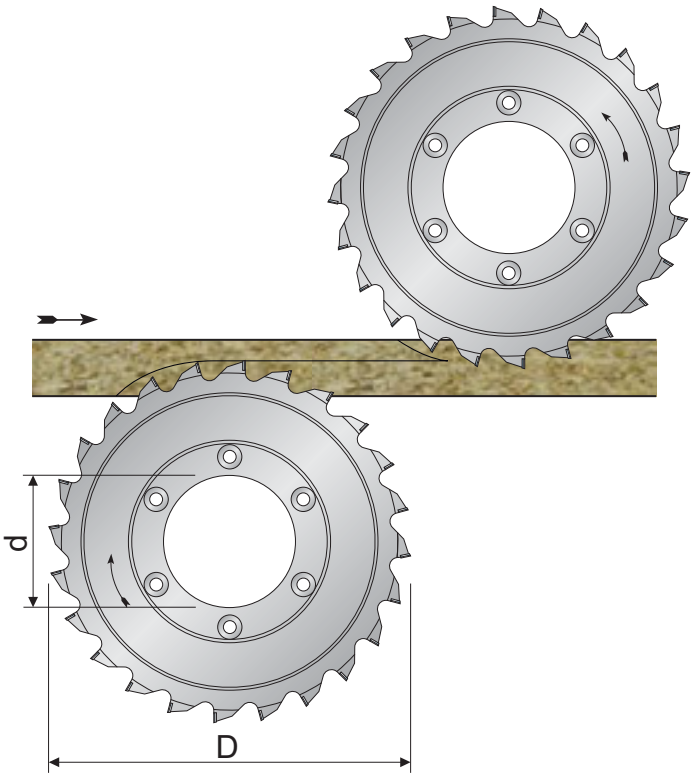


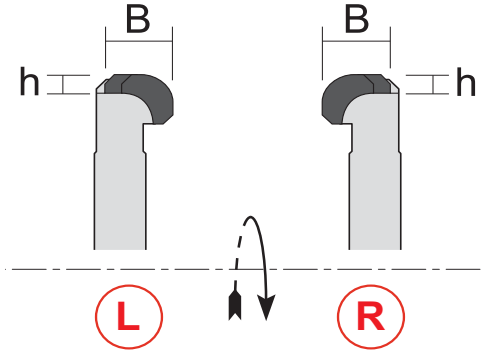


TRUCIOLATORI MONOBLOCCO A PROFILO RAGGIATO

Radius compact hogging-unit
Radien kompakt Zerspaner
Triturador compacto con dientes radiados

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 h *mm*
DAF08001	210	15	80	28 + 4	R	28	4
DAF08002	225	15	80	32 + 4	R	32	4
DAF08003	250	15	80	36 + 4	R	36	4
DAF08004	210	15	80	28 + 4	L	28	4
DAF08005	225	15	80	32 + 4	L	32	4
DAF08006	250	15	80	36 + 4	L	36	4



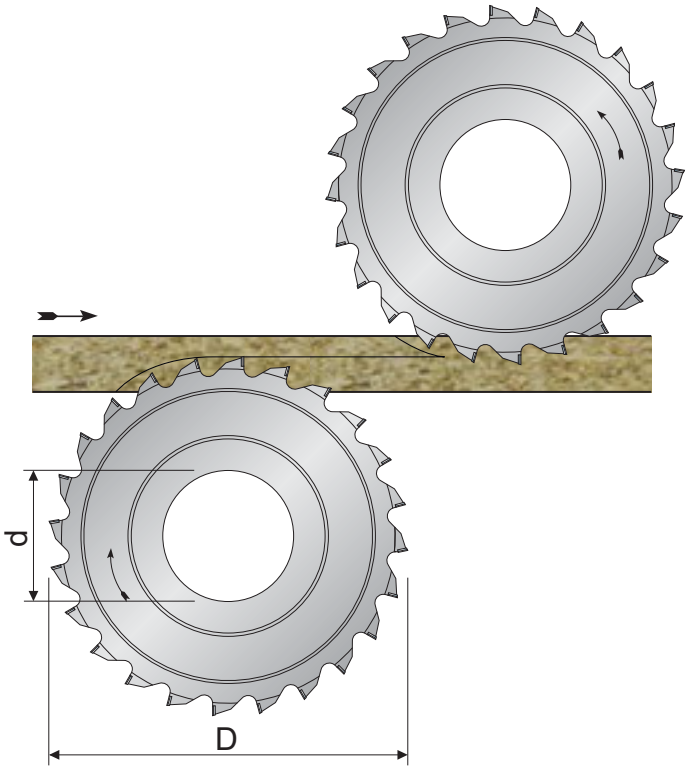


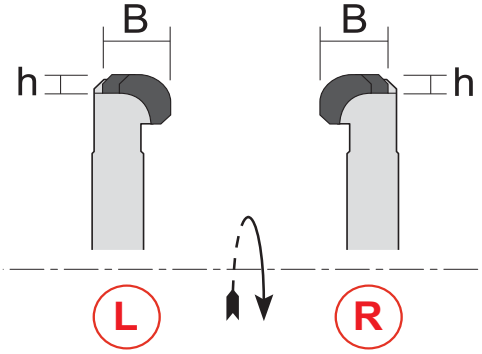


TRUCIOLATORI MONOBLOCCO A PROFILO RAGGIATO PER MOZZI A SGANCIO RAPIDO 160/192

Radius compact hogging-unit for quick clamping system 160/192
Radien kompakt Zerspaner für Schnellspann-system 160/192
Triturador compacto con dientes radiados para sistema de desenganche rapido 160/192

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 **h** *mm*
DAF08101	210	15	60	28 + 4	R	28	4
DAF08102	225	15	60	32 + 4	R	32	4
DAF08103	250	15	60	36 + 4	R	36	4
DAF08104	210	15	60	28 + 4	L	28	4
DAF08105	225	15	60	32 + 4	L	32	4
DAF08106	250	15	60	36 + 4	L	36	4



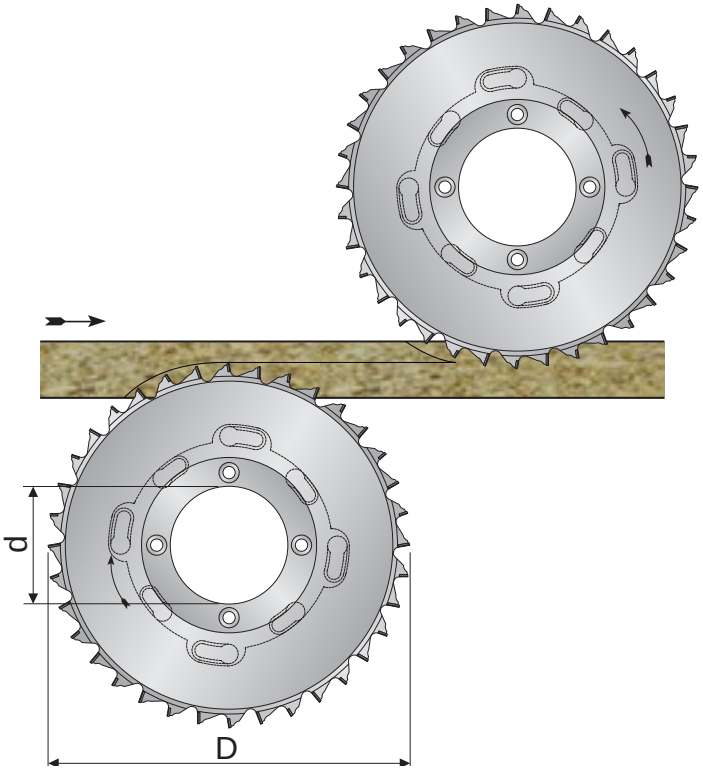


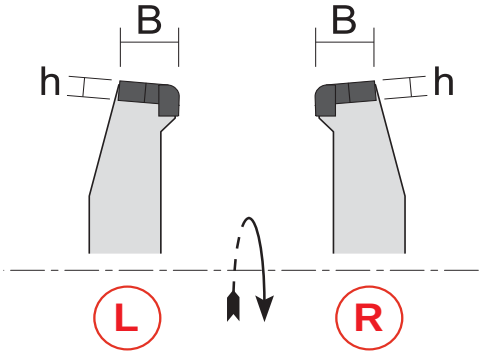


TRUCIOLATORI MONOBLOCCO A PROFILO RAGGIATO PER MOZZI A SGANCIO RAPIDO 160/192 H5

Radius compact hogging-unit for quick clamping system 160/192 H5
Radien kompakt Zerspaner für Schnellspann-system 160/192 H5
Triturador compacto con dientes radiados para sistema de desenganche rapido 160/192 H5

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 **h** *mm*
DAF08201	210	14,5	80	14 + 8 + 6	R	28	5
DAF08202	225	14,5	80	16 + 10 + 6	R	32	5
DAF08203	250	14,5	80	18 + 12 + 6	R	36	5
DAF08204	210	14,5	80	14 + 8 + 6	L	28	5
DAF08205	225	14,5	80	16 + 10 + 6	L	32	5
DAF08206	250	14,5	80	18 + 12 + 6	L	36	5



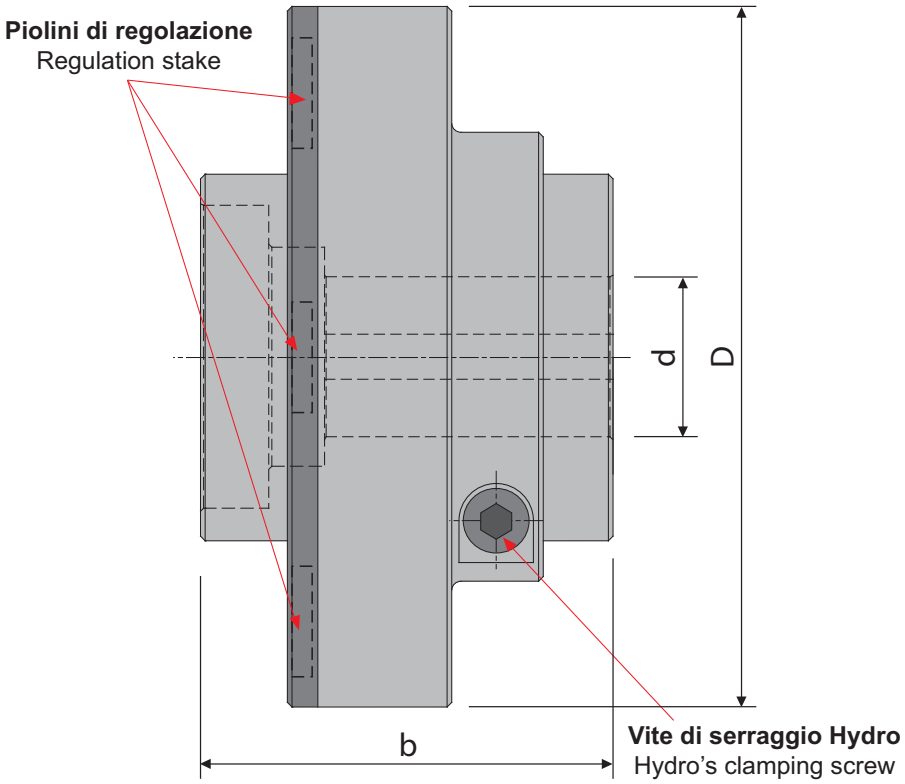




MOZZI REGOLABILI PER TRUCIOLATORI

Adjustable clamping system for hogging-unit
Verstellbare Spannsystem für Zerspaner
Sistema de desenganche regulable para trituradores

CODICE CODE	**D** *mm*	**b** *mm*	**d** *mm*	**DKN** *mm*	**TIPOLOGIA** TYPOLOGY
DAF09001	153	87	35	2 - 10 X 5	
DAF09002	153	87	40	2 - 10 X 5	
DAF09003	153	87	35	2 - 10 X 5	HYDRO
DAF09004	153	87	40	2 - 10 X 5	HYDRO



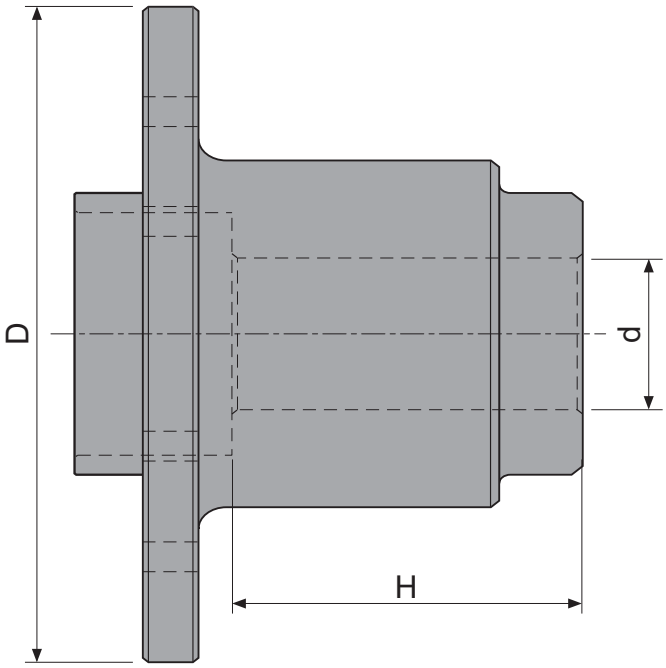


MOZZI STANDARD PER TRUCIOLATORI

Standard clamping system for hogging-unit
Standard Spannsystem für Zerspaner
Sistema de desenganche standard para trituradores

CODICE CODE	D *mm*	H *mm*	d *mm*	DKN *mm*
DAF09101	120	*	35	2 - 10 X 5
DAF09102	120	*	40	2 - 10 X 5

* **Misura a richiesta**
Dimension on request

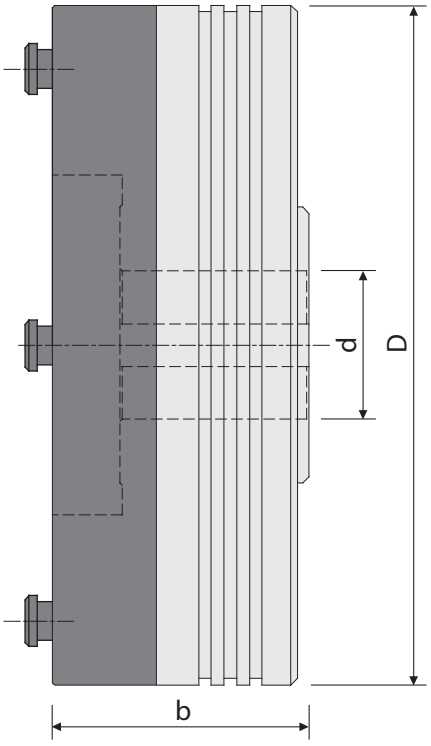




MOZZI A SGANCIO RAPIDO PER TRUCIOLATORI

Quick-clamping system for hogging-unit
Schnellspann-system für Zerspaner
Sistema de desenganche rapido para trituradores

CODICE CODE	**D** *mm*	**b** *mm*	**d** *mm*	**DKN** *mm*
DAF09201	110	73	35	2 - 10 X 5
DAF09202	160	70	35	2 - 10 X 5
DAF09203	192	90	35	2 - 10 X 5
DAF09204	110	73	40	2 - 10 X 5
DAF09205	160	70	40	2 - 10 X 5
DAF09206	192	90	40	2 - 10 X 5



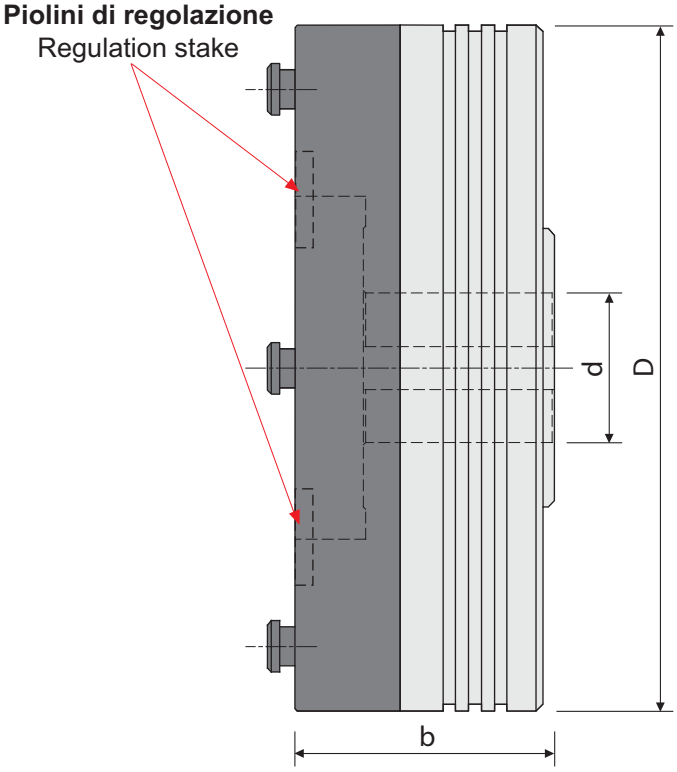


MOZZI A SGANCIO RAPIDO REGOLABILI PER TRUCIOLATORI

Adjustable quick-clamping system for hogging-unit
Verstellbare Schnellspann-system für Zerspaner
Sistema de desenganche rapido regulable para trituradores

CODICE CODE	D *mm*	b *mm*	d *mm*	DKN *mm*
DAF09301	160	70	35	2 - 10 X 5
DAF09302	160	70	40	2 - 10 X 5

Piolini di regolazione
Regulation stake



FRESATURA
MILLING • FRÄSEN • FRESAR

Frese a finire regolabili con anelli H6 Adjustable finishing milling cutters H6 with distance rings • Verstellbare Fräser H6 mit Distanzringe Cabezal extensible con anillos H6 para acabar	DAF 120	**32**
Frese a finire regolabili frazionate con anelli H4 / H6 Fractionized adjustable finishing milling cutters H4/H6 with distance rings • Verstellbare Fräser H4/H6 mit Distanzringe Cabezal extensible con anillos H4/H6 con placas fraccionadas	DAF 130	**33**
Frese a finire multitaglienti regolabili con anelli H6 Adjustable multi-cutting finishing milling cutters H6 with distance rings • Verstellbare mehrschneidig Fräser H6 mit Distanzringe Cabezal multidientes extensible con anillos H6	DAF 140	**34**
Mozzo speciale per frese regolabili Special hub for adjustable cutterheads • Sonder Nabe für verstellbare Fräser Buje especial para fresas regulables	DAF 145	**35**
Frese a finire per bordatrice monospalla Z3 H4 Finishing edge banding cutters Z3 H4 • Fügefräser Z3 H4 Fresas para cantear Z3 H4	DAF 150	**37**
Frese a finire per bordatrice monospalla Z4 H4 Finishing edge banding cutters Z4 H4 • Fügefräser Z4 H4 Fresas para cantear Z4 H4	DAF 151	**38**
Frese a finire per bordatrice monospalla Z3 H6 Finishing edge banding cutters Z3 H6 • Fügefräser Z3 H6 Fresas para cantear Z3 H6	DAF 152	**39**
Frese a finire per bordatrice monospalla Z4 H6 Finishing edge banding cutters Z4 H6 • Fügefräser Z4 H6 Fresas para cantear Z4 H6	DAF 153	**40**
Frese a finire per bordatrice Z3 H3 con inserti in diamante 30° Finishing edge banding cutters Z3 H3 with diamond inserts 30° • Fügefräser Z3 H3 mit Diamant Einsätze 30° Fresas para cantear Z3 H3 con insertos de diamante 30°	DAF 154	**41**
Frese a finire per bordatrice Z3 H5 con inserti in diamante 30° Finishing edge banding cutters Z3 H5 with diamond inserts 30° • Fügefräser Z3 H5 mit Diamant Einsätze 30° Fresas para cantear Z3 H5 con insertos de diamante 30°	DAF 156	**42**
Frese a finire per bordatrice Z3 H5 con inserti in diamante 40° Finishing edge banding cutters Z3 H5 with diamond inserts 40° • Fügefräser Z3 H5 mit Diamant Einsätze 40° Fresas para cantear Z3 H5 con insertos de diamante 40°	DAF 156	**43**
Frese regolabili con anelli H6 Adjustable milling cutters H6 with distance rings • Verstellbare Fräser H6 mit Distanzringe Cabezal extensible con anillos H6	DAF 160	**44**
Frese regolabili con anelli con spigolatori a profondità variabile H6 Adjustable milling cutters H6 with distance rings and adjustable bevels • Verstellbare Fräser H6 mit Distanzringe und verstellbare Abfräser Inserten Cabezal extensible con anillos H6 y redondeadores regulables	DAF 170	**45**
Frese per incastri H6 Milling cutters H6 for joint • Nutfräser H6 Fresas para ranurar H6	DAF 190	**46**
Frese per refilare e spigolare H4 Milling cutters H4 for trimming and beveling • Kanten-Füge-Fräser H4 Fresas para ranurar y cantear H4	DAF 200	**47**
Frese per refilare e spigolare con attacco HSK H4 Milling cutters H4 for trimming and beveling on HSK • Kanten-Füge-Fräser H4 auf HSK Fresas para ranurar y cantear H4 con HSK	DAF 201	**48**
Frese per bordatrice H 4 Edgebanding cutters H4 • Füge Fräser H4 Fresas para cantear H4	DAF 210	**49**
Frese per raggiare H 4 Edge rounding cutters H4 • Kanten-Abrund-Fräser H4 Fresas de radio H4	DAF 220	**50**

Frese per raggiare con attacco HSK H4 DAF 221 **51**
Edge rounding cutters H4 on HSK • Kanten-Abrund-Fräser H4 auf HSK
Fresas de radio H4 con HSK

Frese per raggiare con attacco HSK H4 DAF 221 **52**
Edge rounding cutters H4 on HSK • Kanten-Abrund-Fräser H4 auf HSK
Fresas de radio H4 con HSK

SOFT-FORMING DAF 230 **53**
Moulded milling cutters for SOFT-FORMING • Fräserköpfe für SOFT-FORMING
Fresas perfiladas para SOFT-FORMING

PRE-FORMING DAF 240 **54**
Moulded milling cutters for PRE-FORMING • Fräserköpfe für PRE-FORMING
Fresas perfiladas para PRE-FORMING

Frese per pavimenti DAF 250 **55**
Milling cutters for floors • Fügefräser für Boden
Fresas para pisos

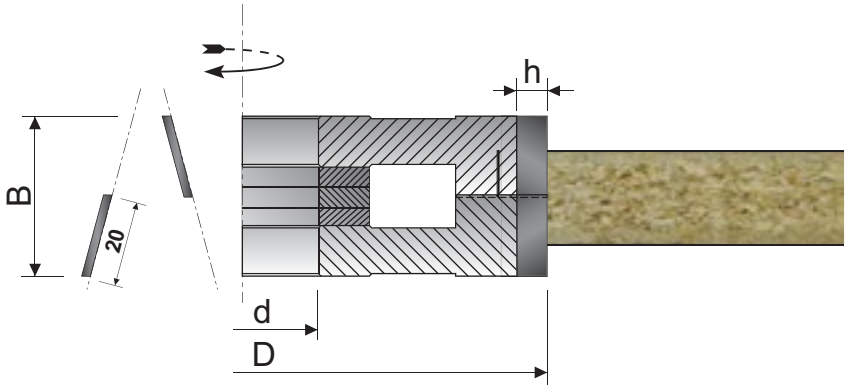


FRESE A FINIRE REGOLABILI CON ANELLI H6

Adjustable finishing milling cutters H6 with distance rings
Verstellbare Fräser H6 mit Distanzringe
Cabezal extensible con anillos H6 para acabar

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	PLACCHE - TIPS	
						n°	**h** *mm*
DAF12001	150	24/38	30	2 - 8 X 4	4	2 X 4	6
DAF12002	200	24/38	35	2 - 10 X 5	4	2 X 4	6
DAF12003	200	24/38	35	2 - 10 X 5	6	2 X 6	6
DAF12004	200	24/38	40	2 - 10 X 5	4	2 X 4	6
DAF12005	200	24/38	40	2 - 10 X 5	6	2 X 6	6

Frese con angolo assiale compreso tra 25°÷ 30°
Cutter with axial angle between 25°÷ 30°
Fräser mit Achswinkel zwischen 25°÷ 30°
Cabezal con angulo axial entre 25°÷ 30°



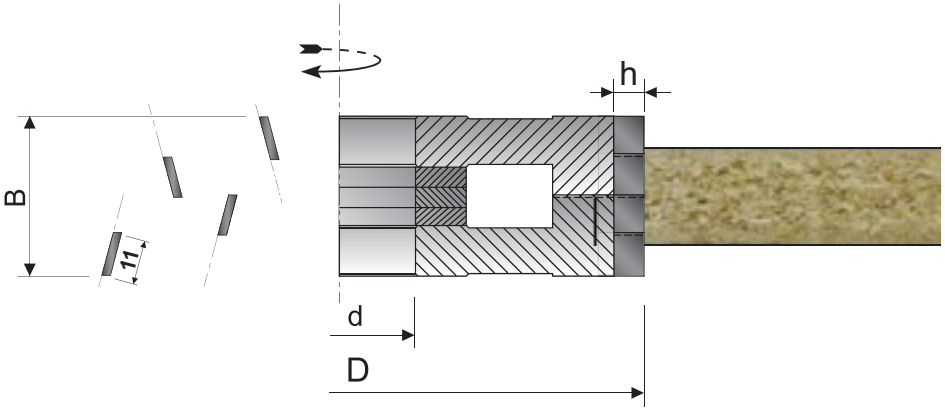


FRESE A FINIRE REGOLABILI FRAZIONATE CON ANELLI H4 / H6

Fractionized adjustable finishing milling cutters H4 / H6 with distance rings
Verstellbare Fräser H4 / H6 mit Distanzringe
Cabezal extensible con anillos H4 / H6 con placas fraccionadas

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	PLACCHE - TIPS	
						n°	h *mm*
DAF13001	200	24 / 38	35 / 40	2 - 10 X 5	4	8 + 8	4
DAF13002	200	24 / 38	35 / 40	2 - 10 X 5	6	12 + 12	4
DAF13003	200	29 / 48	35 / 40	2 - 10 X 5	4	8 + 8	4
DAF13004	200	29 / 48	35 / 40	2 - 10 X 5	6	12 + 12	4
DAF13005	200	34 / 58	35 / 40	2 - 10 X 5	4	12 + 12	4
DAF13006	200	34 / 58	35 / 40	2 - 10 X 5	6	18 + 18	4
DAF13007	200	24 / 38	35 / 40	2 - 10 X 5	4	8 + 8	6
DAF13008	200	24 / 38	35 / 40	2 - 10 X 5	6	12 + 12	6
DAF13009	200	29 / 48	35 / 40	2 - 10 X 5	4	8 + 8	6
DAF13010	200	29 / 48	35 / 40	2 - 10 X 5	6	12 + 12	6
DAF13011	200	34 / 58	35 / 40	2 - 10 X 5	4	12 + 12	6
DAF13012	200	34 / 58	35 / 40	2 - 10 X 5	6	18 + 18	6

Frese con angolo assiale compreso tra 30°÷ 35°
Cutter with axial angle between 30°÷ 35°
Fräser mit Achswinkel zwischen 30°÷ 35°
Cabezal con angulo axial entre 30°÷ 35°



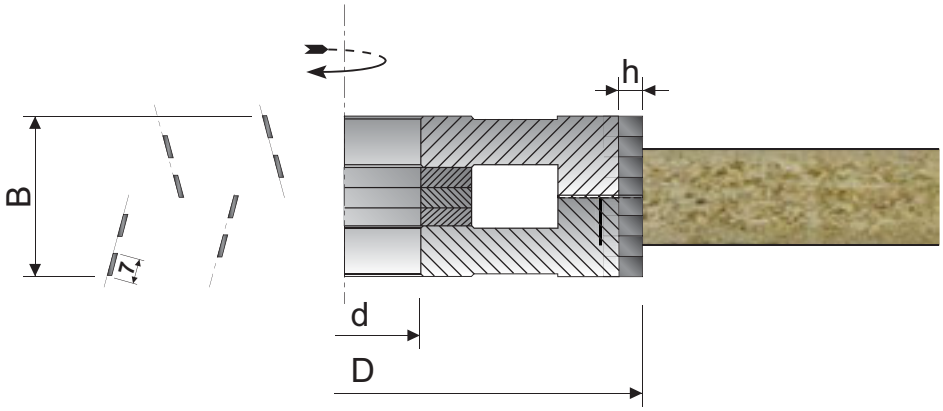


FRESE A FINIRE MULTITAGLIENTI REGOLABILI CON ANELLI H6

Adjustable multi-cutting finishing milling cutters H6 with distance rings
Verstellbare mehrschneidig Fräser H6 mit Distanzringe
Cabezal multidientes extensible con anillos H6

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	PLACCHE - TIPS	
						n°	h *mm*
DAF14001	150	19 / 28	30	2 8 X 4	4	12 + 12	6
DAF14002	200	19 / 28	35 / 40	2 10 X 5	4	12 + 12	6
DAF14003	200	19 / 28	35 / 40	2 10 X 5	6	18 + 18	6
DAF14004	200	24 / 38	35 / 40	2 10 X 5	4	16 + 16	6
DAF14005	200	24 / 38	35 / 40	2 10 X 5	6	24 + 24	6
DAF14006	200	29 / 48	35 / 40	2 10 X 5	4	20 + 20	6
DAF14007	200	29 / 48	35 / 40	2 10 X 5	6	30 + 30	6
DAF14008	200	34 / 58	35 / 40	2 10 X 5	4	24 + 24	6
DAF14009	200	34 / 58	35 / 40	2 10 X 5	6	36 + 36	6

Frese con angolo assiale compreso tra 35°÷ 45°
Cutter with axial angle between 35°÷ 45°
Fräser mit Achswinkel zwischen 35°÷ 45°
Cabezal con angulo axial entre 35°÷ 45°





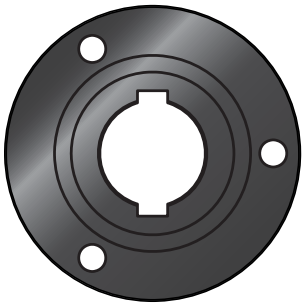
MOZZO SPECIALE PER FRESE REGOLABILI

Special hub for adjustable cutterheads
Sonder Nabe für verstellbare Fräser
Buje especial para fresas regulables

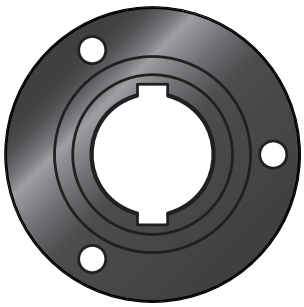
Foto dimostrativa.
La fresa non è compresa nel prezzo
Indicate photo, cutter non included in the price
Indikativ Foto Fräser nicht im Preis inbegriffen
Foto indicativo, cabezal no incluido en el precio

CODICE CODE	MATERIALE MATERIAL	D *mm*	D1 *mm*	H *mm*	B *mm*	d *mm*	DKN *mm*
DAF14501	ACCIAIO	98	65	98	24÷38	35	2 - 10 X 3,3
DAF14502	ACCIAIO	98	65	98	24÷38	40	2 - 10 X 3,3
DAF14503	ACCIAIO	98	65	98	24÷38	40	ESAGONO

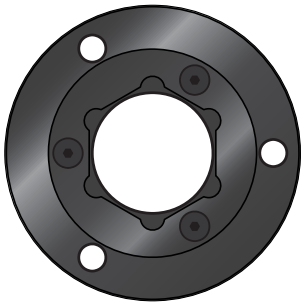
DAF14501



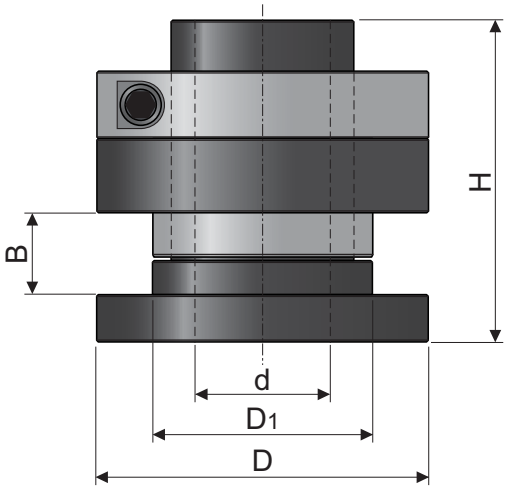
DAF14502



DAF14503



DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE DAF145		
			01	**02**	**03**
Boccola Hydro / Hydro sleeve	Ø98/65 L55	**BHY04**	1	1	1
Boccola / sleeve	Ø65/35 DKN L98	**BHY05**	1	/	/
Boccola / sleeve	Ø65/40 DKN L98	**BHY06**	/	1	/
Boccola / sleeve	Ø65/40 HEX L98	**BHY07**	/	/	1
Anello Distanziale / Spacer ring	Ø98/65 x 22	**A070**	1	1	1
Spina di Trasc. / Nut	Ø12 x 32	**VT060**	3	3	3
Vite per Fresa / Wedge's Screw	M8 x 54 Ø13	**VT061**	3	3	3
Vite per Fresa / Wedge's Screw	M8 x 22 Ø13	**VT062**	3	3	3
Vite per Spina / Wedge's Screw	M8 x 16 Ø12	**VT063**	3	3	3
Chiave di Reg. / Adjustment Key	Esagonale 6	**CH006**	1	1	1

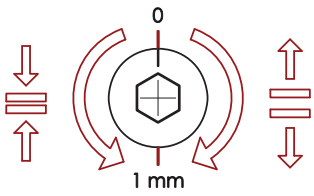


Le frese regolabili montate su questo mozzo possono essere regolate mediate una chiave di regolazione senza dover smontare l'utensile per inserire gli anelli distanziali

On this hub you can adjust the cutterhead with a key, without disassembling it and putting the distance rings inside

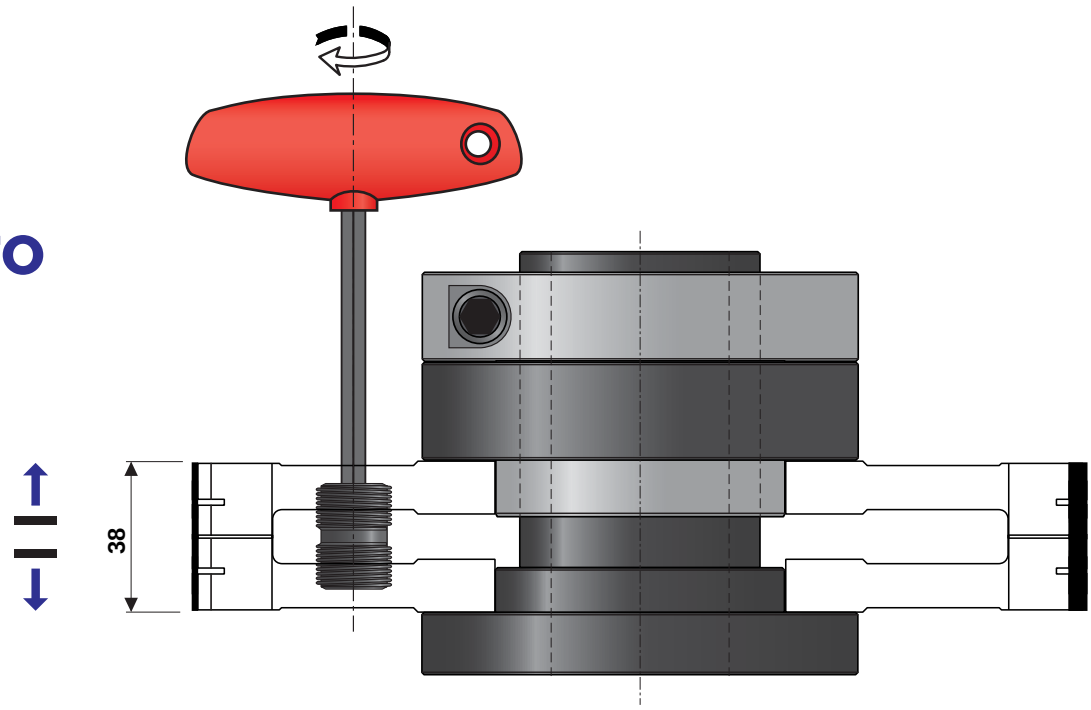
Auf diese Nabe kann man die Fräser mit einer Schraube verstellen ohne die Fräser auszubauen um die Distanzringe einzufügen

Las fresas montadas su este buje pueden ser reguladas por medio de una llave sin desmontar la fresa para introducir los anillos distanciadores

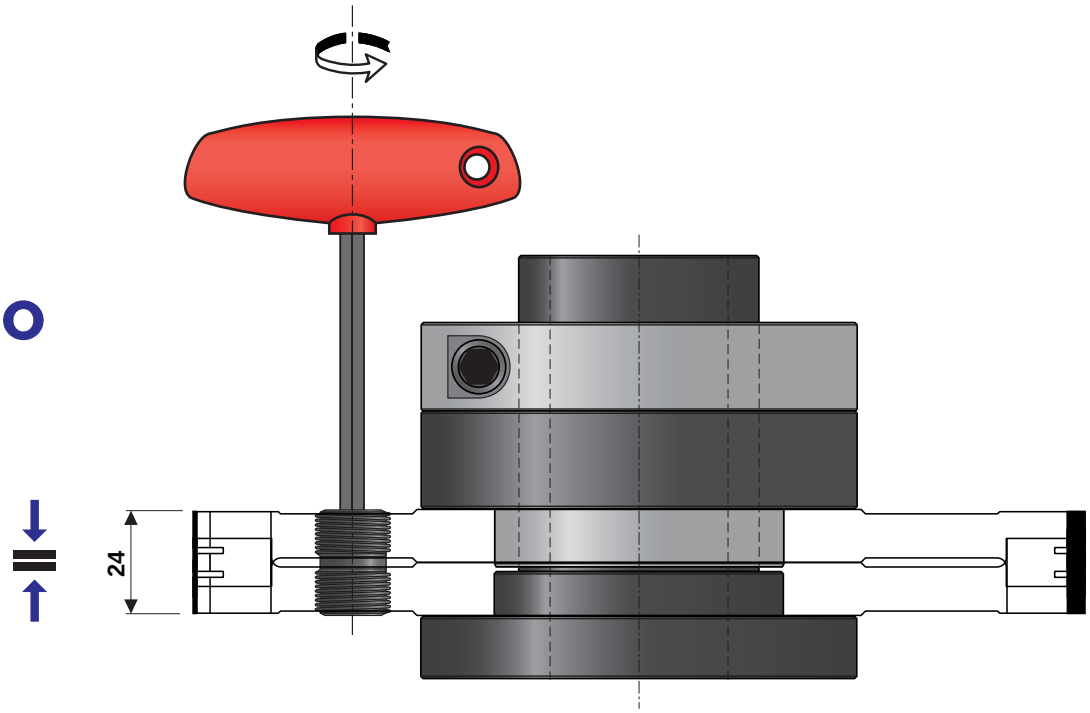


1 GIRO = 2 mm
1 TURN = 2 mm
1 UMDREHUNG = 2 mm
1 VUELTA = 2 mm

APERTO



CHIUSO

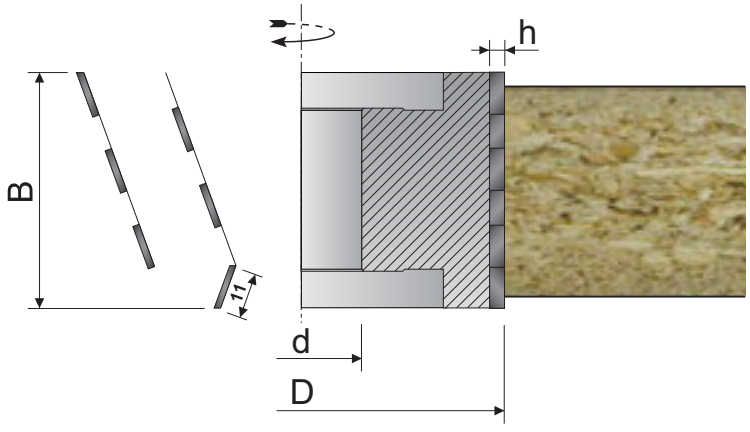




FRESE A FINIRE PER BORDATRICE MONOSPALLA Z3 H4

Finishing edge banding cutters Z3 H4
Fügefräser Z3 H4
Fresas para cantear Z3 H4

CODICE CODE	D mm	B mm	d mm	DKN mm	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	h mm
DAF15001	80	42	30	2 - 8 x 4	3	R	15	4
DAF15002	80	50	30	2 - 8 x 4	3	R	18	4
DAF15003	80	58	30	2 - 8 x 4	3	R	21	4
DAF15004	100	34	30	2 - 8 x 4	3	R	12	4
DAF15005	100	42	30	2 - 8 x 4	3	R	15	4
DAF15006	100	50	30	2 - 8 x 4	3	R	18	4
DAF15007	100	58	30	2 - 8 x 4	3	R	21	4
DAF15008	125	42	30	2 - 8 x 4	3	R	15	4
DAF15009	125	50	30	2 - 8 x 4	3	R	18	4
DAF15010	125	58	30	2 - 8 x 4	3	R	21	4
DAF15011	125	66	30	2 - 8 x 4	3	R	24	4
DAF15012	80	42	30	2 - 8 x 4	3	L	15	4
DAF15013	80	50	30	2 - 8 x 4	3	L	18	4
DAF15014	80	58	30	2 - 8 x 4	3	L	21	4
DAF15015	100	34	30	2 - 8 x 4	3	L	12	4
DAF15016	100	42	30	2 - 8 x 4	3	L	15	4
DAF15017	100	50	30	2 - 8 x 4	3	L	18	4
DAF15018	100	58	30	2 - 8 x 4	3	L	21	4
DAF15019	125	42	30	2 - 8 x 4	3	L	15	4
DAF15020	125	50	30	2 - 8 x 4	3	L	18	4
DAF15021	125	58	30	2 - 8 x 4	3	L	21	4
DAF15022	125	66	30	2 - 8 x 4	3	L	24	4

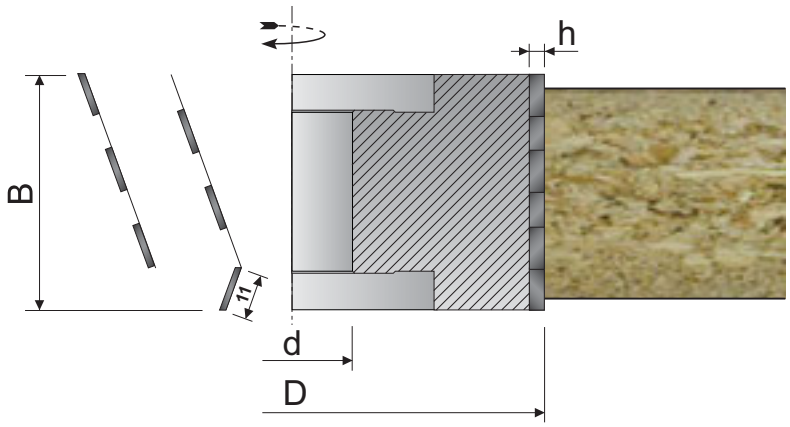




FRESE A FINIRE PER BORDATRICE MONOSPALLA Z4 H4

Finishing edge banding cutters Z4 H4
Fügefräser Z4 H4
Fresas para cantear Z4 H4

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 h *mm*
DAF15101	80	42	30	2 - 8 X 4	4	R	20	4
DAF15102	80	50	30	2 - 8 X 4	4	R	24	4
DAF15103	80	58	30	2 - 8 X 4	4	R	28	4
DAF15104	100	34	30	2 - 8 X 4	4	R	16	4
DAF15105	100	42	30	2 - 8 X 4	4	R	20	4
DAF15106	100	50	30	2 - 8 X 4	4	R	24	4
DAF15107	100	58	30	2 - 8 X 4	4	R	28	4
DAF15108	125	42	30	2 - 8 X 4	4	R	20	4
DAF15109	125	50	30	2 - 8 X 4	4	R	24	4
DAF15110	125	58	30	2 - 8 X 4	4	R	28	4
DAF15111	125	66	30	2 - 8 X 4	4	R	32	4
DAF15112	80	42	30	2 - 8 X 4	4	L	20	4
DAF15113	80	50	30	2 - 8 X 4	4	L	24	4
DAF15114	80	58	30	2 - 8 X 4	4	L	28	4
DAF15115	100	34	30	2 - 8 X 4	4	L	16	4
DAF15116	100	42	30	2 - 8 X 4	4	L	20	4
DAF15117	100	50	30	2 - 8 X 4	4	L	24	4
DAF15118	100	58	30	2 - 8 X 4	4	L	28	4
DAF15119	125	42	30	2 - 8 X 4	4	L	20	4
DAF15120	125	50	30	2 - 8 X 4	4	L	24	4
DAF15121	125	58	30	2 - 8 X 4	4	L	28	4
DAF15122	125	66	30	2 - 8 X 4	4	L	32	4

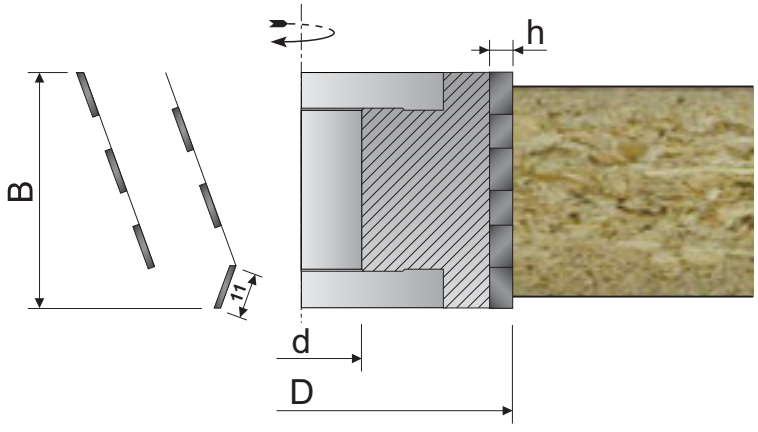




FRESE A FINIRE PER BORDATRICE MONOSPALLA Z3 H6

Finishing edge banding cutters Z3 H6
Fügefräser Z3 H6
Fresas para cantear Z3 H6

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS	
							n°	h *mm*
DAF15201	80	42	30	2 - 8 X 4	3	R	15	6
DAF15202	80	50	30	2 - 8 X 4	3	R	18	6
DAF15203	80	58	30	2 - 8 X 4	3	R	21	6
DAF15204	100	34	30	2 - 8 X 4	3	R	12	6
DAF15205	100	42	30	2 - 8 X 4	3	R	15	6
DAF15206	100	50	30	2 - 8 X 4	3	R	18	6
DAF15207	100	58	30	2 - 8 X 4	3	R	21	6
DAF15208	125	42	30	2 - 8 X 4	3	R	15	6
DAF15209	125	50	30	2 - 8 X 4	3	R	18	6
DAF15210	125	58	30	2 - 8 X 4	3	R	21	6
DAF15211	125	66	30	2 - 8 X 4	3	R	24	6
DAF15212	80	42	30	2 - 8 X 4	3	L	15	6
DAF15213	80	50	30	2 - 8 X 4	3	L	18	6
DAF15214	80	58	30	2 - 8 X 4	3	L	21	6
DAF15215	100	34	30	2 - 8 X 4	3	L	12	6
DAF15216	100	42	30	2 - 8 X 4	3	L	15	6
DAF15217	100	50	30	2 - 8 X 4	3	L	18	6
DAF15218	100	58	30	2 - 8 X 4	3	L	21	6
DAF15219	125	42	30	2 - 8 X 4	3	L	15	6
DAF15220	125	50	30	2 - 8 X 4	3	L	18	6
DAF15221	125	58	30	2 - 8 X 4	3	L	21	6
DAF15222	125	66	30	2 - 8 X 4	3	L	24	6

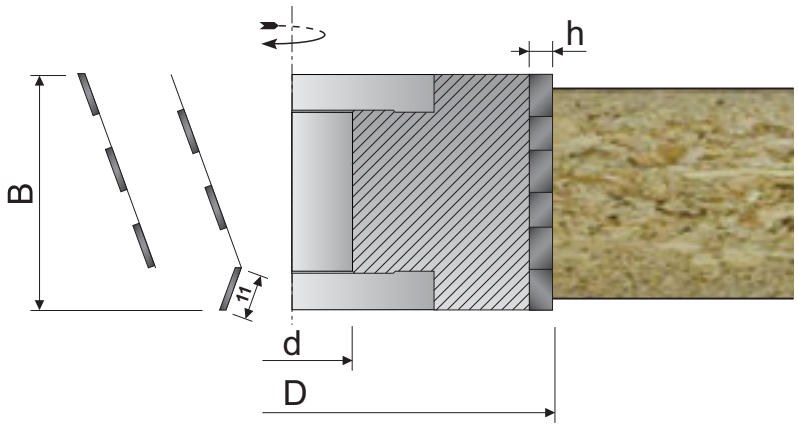




FRESE A FINIRE PER BORDATRICE MONOSPALLA Z4 H6

Finishing edge banding cutters Z4 H6
Fügefräser Z4 H6
Fresas para cantear Z4 H6

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 h *mm*
DAF15301	80	42	30	2 - 8 X 4	4	R	20	6
DAF15302	80	50	30	2 - 8 X 4	4	R	24	6
DAF15303	80	58	30	2 - 8 X 4	4	R	28	6
DAF15304	100	34	30	2 - 8 X 4	4	R	16	6
DAF15305	100	42	30	2 - 8 X 4	4	R	20	6
DAF15306	100	50	30	2 - 8 X 4	4	R	24	6
DAF15307	100	58	30	2 - 8 X 4	4	R	28	6
DAF15308	125	42	30	2 - 8 X 4	4	R	20	6
DAF15309	125	50	30	2 - 8 X 4	4	R	24	6
DAF15310	125	58	30	2 - 8 X 4	4	R	28	6
DAF15311	125	66	30	2 - 8 X 4	4	R	32	6
DAF15312	80	42	30	2 - 8 X 4	4	L	20	6
DAF15313	80	50	30	2 - 8 X 4	4	L	24	6
DAF15314	80	58	30	2 - 8 X 4	4	L	28	6
DAF15315	100	34	30	2 - 8 X 4	4	L	16	6
DAF15316	100	42	30	2 - 8 X 4	4	L	20	6
DAF15317	100	50	30	2 - 8 X 4	4	L	24	6
DAF15318	100	58	30	2 - 8 X 4	4	L	28	6
DAF15319	125	42	30	2 - 8 X 4	4	L	20	6
DAF15320	125	50	30	2 - 8 X 4	4	L	24	6
DAF15321	125	58	30	2 - 8 X 4	4	L	28	6
DAF15322	125	66	30	2 - 8 X 4	4	L	32	6

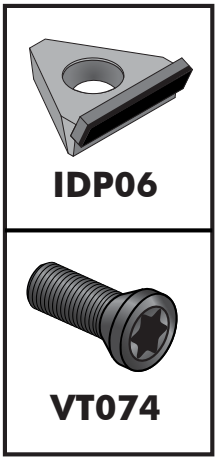


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WOODWORKING·TOOLS

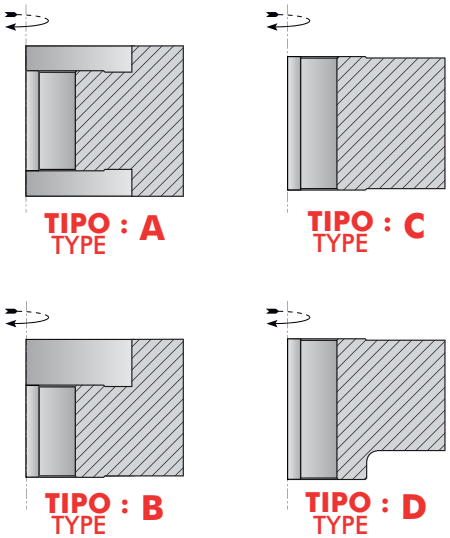


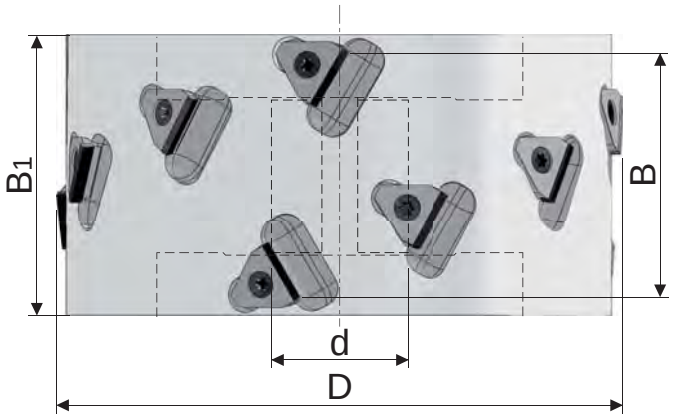
FRESE A FINIRE PER BORDATRICE Z3 H3 CON INSERTI IN DIAMANTE A 30°

Finishing edge banding cutters Z3 H3 with diamond inserts - 30°
Fügefräser Z3 H3 mit Diamant Einsätze - 30°
Fresas para cantear Z3 H3 con insertos de diamante - 30°



CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B_1 *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - *TIPS* n°	 h *mm*
DAF15401	LEGA LEGG.	80	43,5	51,5	30	2 8 X 4	3	R	12	3
DAF15402	LEGA LEGG.	80	64,5	72,5	30	2 8 X 4	3	R	18	3
DAF15403	LEGA LEGG.	85	43,5	51,5	30	2 8 X 4	3	R	12	3
DAF15404	LEGA LEGG.	100	33	41	30	2 8 X 4	3	R	9	3
DAF15405	LEGA LEGG.	100	43,5	51,5	30	2 8 X 4	3	R	12	3
DAF15406	LEGA LEGG.	100	54	63,5	30	2 8 X 4	3	R	15	3
DAF15407	LEGA LEGG.	100	64,5	72,5	30	2 8 X 4	3	R	18	3
DAF15408	LEGA LEGG.	125	33	41	30	2 8 X 4	3	R	9	3
DAF15409	LEGA LEGG.	125	43,5	51,5	30	2 8 X 4	3	R	12	3
DAF15410	LEGA LEGG.	125	54	63,5	30	2 8 X 4	3	R	15	3
DAF15411	LEGA LEGG.	125	64,5	72,5	30	2 8 X 4	3	R	18	3
DAF15412	LEGA LEGG.	125	75	83	30	2 8 X 4	3	R	21	3
DAF15413	LEGA LEGG.	80	43,5	51,5	30	2 8 X 4	3	L	12	3
DAF15414	LEGA LEGG.	80	64,5	72,5	30	2 8 X 4	3	L	18	3
DAF15415	LEGA LEGG.	85	43,5	51,5	30	2 8 X 4	3	L	12	3
DAF15416	LEGA LEGG.	100	33	41	30	2 8 X 4	3	L	9	3
DAF15417	LEGA LEGG.	100	43,5	51,5	30	2 8 X 4	3	L	12	3
DAF15418	LEGA LEGG.	100	54	63,5	30	2 8 X 4	3	L	15	3
DAF15419	LEGA LEGG.	100	64,5	72,5	30	2 8 X 4	3	L	18	3
DAF15420	LEGA LEGG.	125	33	41	30	2 8 X 4	3	L	9	3
DAF15421	LEGA LEGG.	125	43,5	51,5	30	2 8 X 4	3	L	12	3
DAF15422	LEGA LEGG.	125	54	63,5	30	2 8 X 4	3	L	15	3
DAF15423	LEGA LEGG.	125	64,5	72,5	30	2 8 X 4	3	L	18	3
DAF15424	LEGA LEGG.	125	75	83	30	2 8 X 4	3	L	21	3

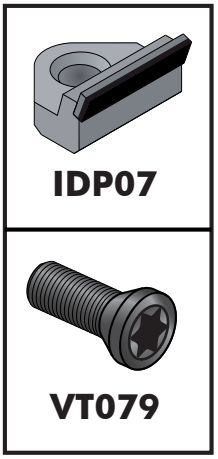




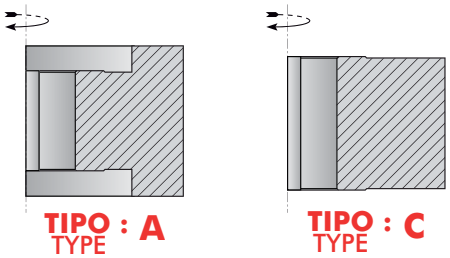


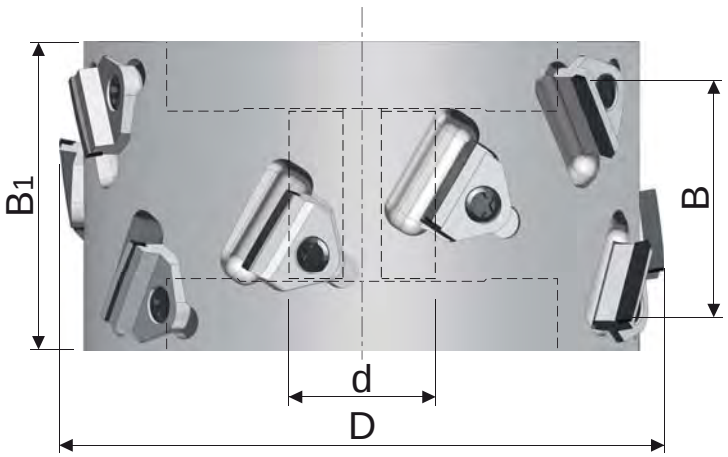
FRESE A FINIRE PER BORDATRICE Z3 H5 CON INSERTI IN DIAMANTE A 30°

Finishing edge banding cutters Z3 H5 with diamond inserts - 30°
Fügefräser Z3 H5 mit Diamant Einsätze - 30°
Fresas para cantear Z3 H5 con insertos de diamante - 30°



CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B1 *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - *TIPS*	
									n°	h *mm*
DAF15601	LEGA LEGG.	80	43,5	61	30	2 8 X 4	3	R	9	5
DAF15602	LEGA LEGG.	80	58	75	30	2 8 X 4	3	R	12	5
DAF15603	LEGA LEGG.	85	43,5	61	30	2 8 X 4	3	R	9	5
DAF15604	LEGA LEGG.	100	29,5	47	30	2 8 X 4	3	R	6	5
DAF15605	LEGA LEGG.	100	43,5	61	30	2 8 X 4	3	R	9	5
DAF15606	LEGA LEGG.	100	58	75	30	2 8 X 4	3	R	12	5
DAF15607	LEGA LEGG.	100	72	89	30	2 8 X 4	3	R	15	5
DAF15608	LEGA LEGG.	125	29,5	47	30	2 8 X 4	3	R	6	5
DAF15609	LEGA LEGG.	125	43,5	61	30	2 8 X 4	3	R	9	5
DAF15610	LEGA LEGG.	125	58	75	30	2 8 X 4	3	R	12	5
DAF15611	LEGA LEGG.	125	72	89	30	2 8 X 4	3	R	15	5
DAF15612	LEGA LEGG.	125	86	103	30	2 8 X 4	3	R	18	5
DAF15613	LEGA LEGG.	80	43,5	61	30	2 8 X 4	3	L	9	5
DAF15614	LEGA LEGG.	80	58	75	30	2 8 X 4	3	L	12	5
DAF15615	LEGA LEGG.	85	43,5	61	30	2 8 X 4	3	L	9	5
DAF15616	LEGA LEGG.	100	29,5	47	30	2 8 X 4	3	L	6	5
DAF15617	LEGA LEGG.	100	43,5	61	30	2 8 X 4	3	L	9	5
DAF15618	LEGA LEGG.	100	58	75	30	2 8 X 4	3	L	12	5
DAF15619	LEGA LEGG.	100	72	89	30	2 8 X 4	3	L	15	5
DAF15620	LEGA LEGG.	125	29,5	47	30	2 8 X 4	3	L	6	5
DAF15621	LEGA LEGG.	125	43,5	61	30	2 8 X 4	3	L	9	5
DAF15622	LEGA LEGG.	125	58	75	30	2 8 X 4	3	L	12	5
DAF15623	LEGA LEGG.	125	72	89	30	2 8 X 4	3	L	15	5
DAF15624	LEGA LEGG.	125	86	103	30	2 8 X 4	3	L	18	5



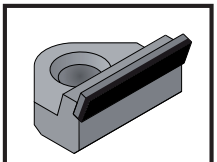


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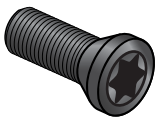


FRESE A FINIRE PER BORDATRICE Z3 H5 CON INSERTI IN DIAMANTE A 40°

Finishing edge banding cutters Z3 H5 with diamond inserts - 40°
Fügefräser Z3 H5 mit Diamant Einsätze - 40°
Fresas para cantear Z3 H5 con insertos de diamante - 40°

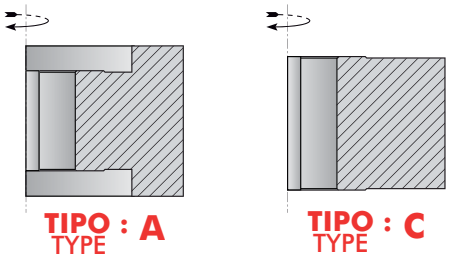


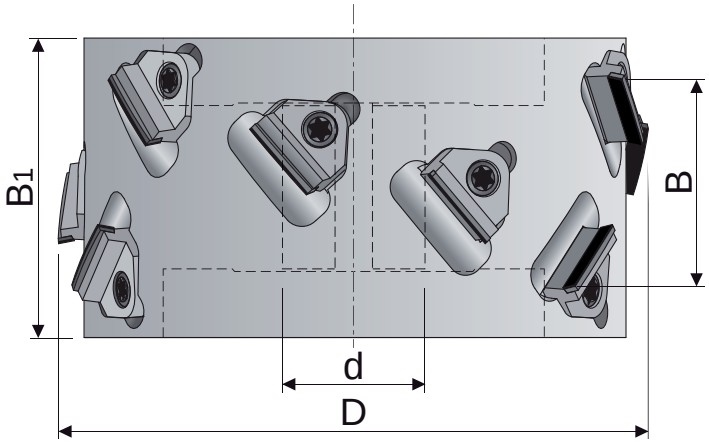
IDP07



VT079

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B1 *mm*	d *mm*	DKN *mm*	Z	ROTAZ. ROTAT.	PLACCHE - *TIPS* n°	 h *mm*
DAF15625	LEGA LEGG.	80	37,5	55	30	2 8 X 4	3	R	9	5
DAF15626	LEGA LEGG.	80	50	67	30	2 8 X 4	3	R	12	5
DAF15627	LEGA LEGG.	85	37,5	55	30	2 8 X 4	3	R	9	5
DAF15628	LEGA LEGG.	100	25,5	43	30	2 8 X 4	3	R	6	5
DAF15629	LEGA LEGG.	100	37,5	55	30	2 8 X 4	3	R	9	5
DAF15630	LEGA LEGG.	100	50	67	30	2 8 X 4	3	R	12	5
DAF15631	LEGA LEGG.	100	62	79	30	2 8 X 4	3	R	15	5
DAF15632	LEGA LEGG.	125	25,5	43	30	2 8 X 4	3	R	6	5
DAF15633	LEGA LEGG.	125	37,5	55	30	2 8 X 4	3	R	9	5
DAF15634	LEGA LEGG.	125	50	67	30	2 8 X 4	3	R	12	5
DAF15635	LEGA LEGG.	125	62	79	30	2 8 X 4	3	R	15	5
DAF15636	LEGA LEGG.	125	74	91	30	2 8 X 4	3	R	18	5
DAF15637	LEGA LEGG.	80	37,5	55	30	2 8 X 4	3	L	9	5
DAF15638	LEGA LEGG.	80	50	67	30	2 8 X 4	3	L	12	5
DAF15639	LEGA LEGG.	85	37,5	55	30	2 8 X 4	3	L	9	5
DAF15640	LEGA LEGG.	100	25,5	43	30	2 8 X 4	3	L	6	5
DAF15641	LEGA LEGG.	100	37,5	55	30	2 8 X 4	3	L	9	5
DAF15642	LEGA LEGG.	100	50	67	30	2 8 X 4	3	L	12	5
DAF15643	LEGA LEGG.	100	62	79	30	2 8 X 4	3	L	15	5
DAF15644	LEGA LEGG.	125	25,5	43	30	2 8 X 4	3	L	6	5
DAF15645	LEGA LEGG.	125	37,5	55	30	2 8 X 4	3	L	9	5
DAF15646	LEGA LEGG.	125	50	67	30	2 8 X 4	3	L	12	5
DAF15647	LEGA LEGG.	125	62	79	30	2 8 X 4	3	L	15	5
DAF15648	LEGA LEGG.	125	74	91	30	2 8 X 4	3	L	18	5



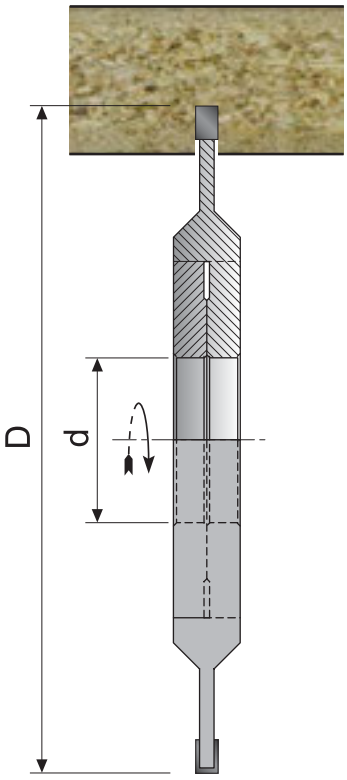




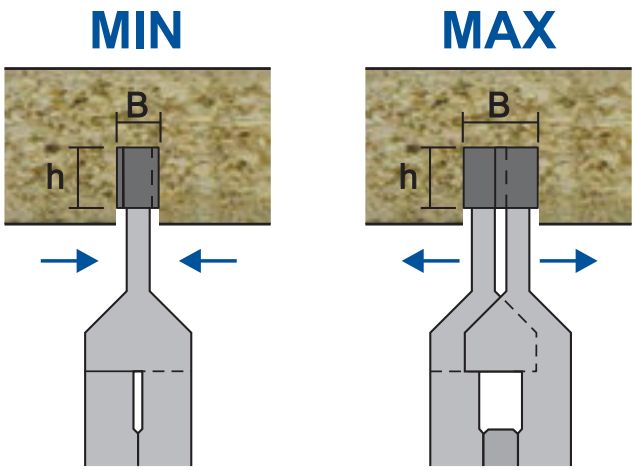
FRESE REGOLABILI CON ANELLI H6

Adjustable milling cutters H6 with distance rings
Verstellbare Fräser H6 mit Distanzringe
Cabezal extensible con anillos H6

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	PLACCHE - TIPS	
						n°	h *mm*
DAF16001	120	3 / 5,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16002	120	4 / 7,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16003	120	5 / 9,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16004	120	6 / 11,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16005	150	3 / 5,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16006	150	4 / 7,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16007	150	5 / 9,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16008	150	6 / 11,5	25 / 30 / 35	*	6 + 6	2 x 6	6
DAF16009	200	3 / 5,5	30 / 35 / 40	*	6 + 6	2 x 6	6
DAF16010	200	4 / 7,5	30 / 35 / 40	*	6 + 6	2 x 6	6
DAF16011	200	5 / 9,5	30 / 35 / 40	*	6 + 6	2 x 6	6
DAF16012	200	6 / 11,5	30 / 35 / 40	*	6 + 6	2 x 6	6
DAF16013	200	3 / 5,5	30 / 35 / 40	*	8 + 8	2 x 8	6
DAF16014	200	4 / 7,5	30 / 35 / 40	*	8 + 8	2 x 8	6
DAF16015	200	5 / 9,5	30 / 35 / 40	*	8 + 8	2 x 8	6
DAF16016	200	6 / 11,5	30 / 35 / 40	*	8 + 8	2 x 8	6
DAF16017	200	3 / 5,5	30 / 35 / 40	*	12 + 12	2 x 12	6
DAF16018	200	4 / 7,5	30 / 35 / 40	*	12 + 12	2 x 12	6
DAF16019	200	5 / 9,5	30 / 35 / 40	*	12 + 12	2 x 12	6
DAF16020	200	6 / 11,5	30 / 35 / 40	*	12 + 12	2 x 12	6



∗ **Sede per chiavetta a richiesta**
Keys on request





FRESE REGOLABILI CON ANELLI CON SPIGOLATORI A PROFONDITA' VARIABILE H6

Adjustable milling cutters H6 with distance rings and adjustable bevels
Verstellbare Fräser H6 mit Distanzringe und verstellbare Abfräser Inserten
Cabezal extensible con anillos H6 y redondeadores regulables

ISDP01



16x26.7x5 DX

ISDP02



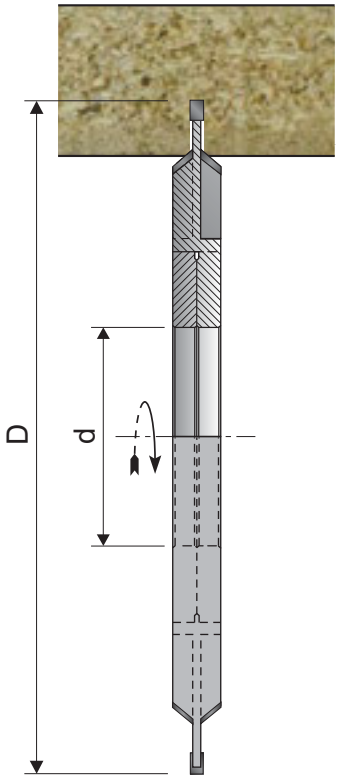
16x26.7x5 SX

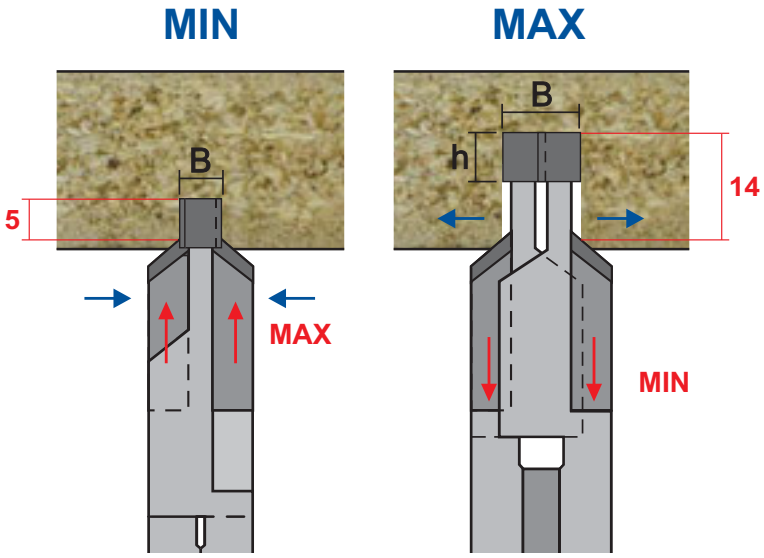
VT013



M4x8.3 Ø9

CODICE CODE	D mm	B mm	d mm	Z	SPIG.	PLACCHE - TIPS n°	PLACCHE - TIPS h mm
DAF17001	160	3 / 5,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17002	160	4 / 7,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17003	160	5 / 9,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17004	160	6 / 11,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17005	160	3 / 5,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17006	160	4 / 7,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17007	160	5 / 9,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17008	160	6 / 11,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17009	200	3 / 5,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17010	200	4 / 7,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17011	200	5 / 9,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17012	200	6 / 11,5	35 / 40	6 + 6	3 + 3	2 X 6	6
DAF17013	200	3 / 5,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17014	200	4 / 7,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17015	200	5 / 9,5	35 / 40	12 + 12	3 + 3	2 x 12	6
DAF17016	200	6 / 11,5	35 / 40	12 + 12	3 + 3	2 x 12	6

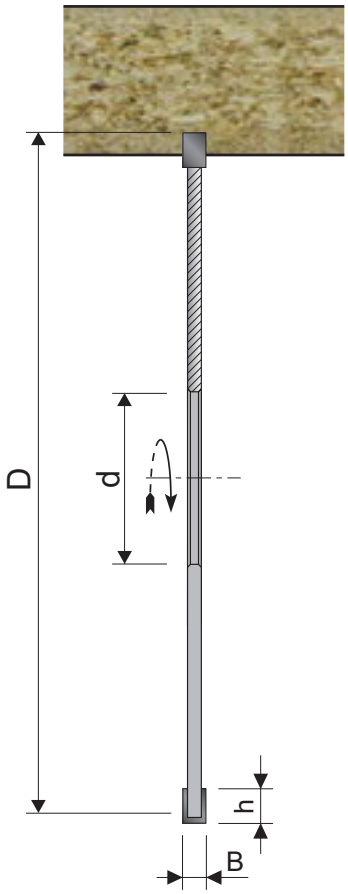






FRESE PER INCASTRI H6

Milling cutters H6 for joint
Nutfräser H6
Fresas para ranurar H6



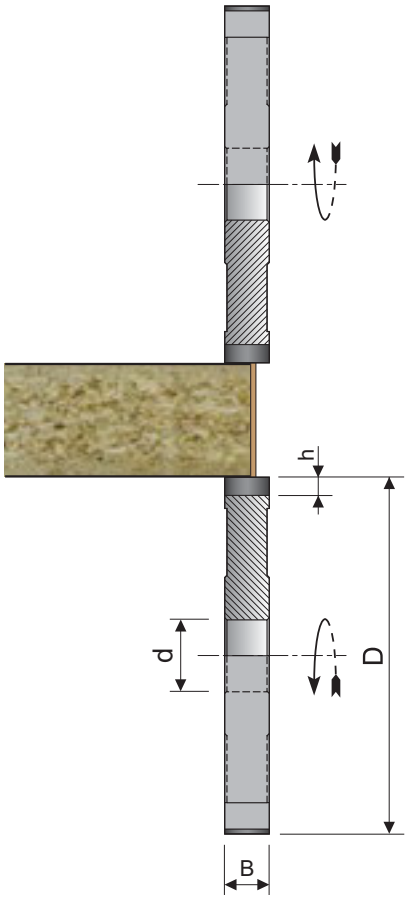
CODICE CODE	D *mm*	B *mm*	d *mm*	Z	DIAMANTE h *mm*
DAF19001	120	3	30 / 35 / 40	12	6
DAF19002	120	4	30 / 35 / 40	12	6
DAF19003	120	5	30 / 35 / 40	12	6
DAF19004	120	6	30 / 35 / 40	12	6
DAF19005	120	7	30 / 35 / 40	12	6
DAF19006	160	3	30 / 35 / 40	12	6
DAF19007	160	4	30 / 35 / 40	12	6
DAF19008	160	5	30 / 35 / 40	12	6
DAF19009	160	6	30 / 35 / 40	12	6
DAF19010	160	7	30 / 35 / 40	12	6
DAF19011	180	3	30 / 35 / 40	12	6
DAF19012	180	4	30 / 35 / 40	12	6
DAF19013	180	5	30 / 35 / 40	12	6
DAF19014	180	6	30 / 35 / 40	12	6
DAF19015	180	7	30 / 35 / 40	12	6
DAF19016	200	3	30 / 35 / 40	12	6
DAF19017	200	4	30 / 35 / 40	12	6
DAF19018	200	5	30 / 35 / 40	12	6
DAF19019	200	6	30 / 35 / 40	12	6
DAF19020	200	7	30 / 35 / 40	12	6
DAF19021	160	3	30 / 35 / 40	24	6
DAF19022	160	4	30 / 35 / 40	24	6
DAF19023	160	5	30 / 35 / 40	24	6
DAF19024	160	6	30 / 35 / 40	24	6
DAF19025	160	7	30 / 35 / 40	24	6
DAF19026	180	3	30 / 35 / 40	24	6
DAF19027	180	4	30 / 35 / 40	24	6
DAF19028	180	5	30 / 35 / 40	24	6
DAF19029	180	6	30 / 35 / 40	24	6
DAF19030	180	7	30 / 35 / 40	24	6
DAF19031	200	3	30 / 35 / 40	24	6
DAF19032	200	4	30 / 35 / 40	24	6
DAF19033	200	5	30 / 35 / 40	24	6
DAF19034	200	6	30 / 35 / 40	24	6
DAF19035	200	7	30 / 35 / 40	24	6

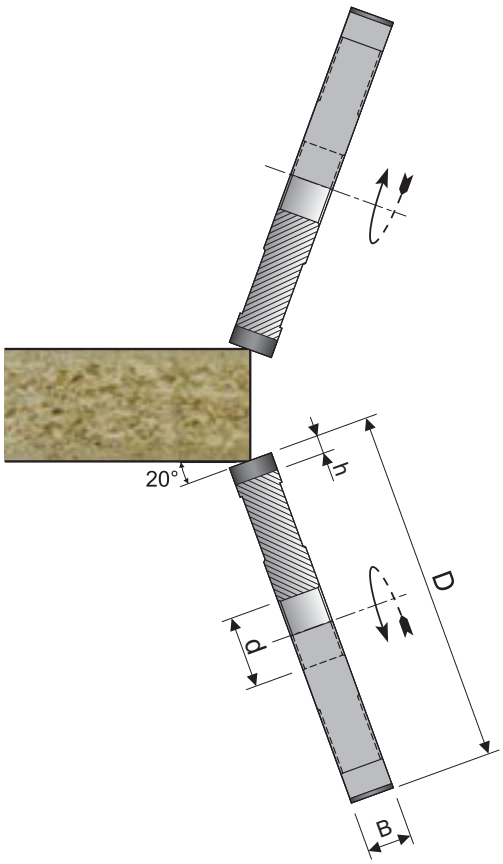


FRESE PER REFILARE E SPIGOLARE H4

Milling cutters H4 for trimming and beveling
Kanten-Füge-Fräser H4
Fresas para ranurar y cantear H4

CODICE CODE	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	DIAMANTE **h** mm
DAF20001	70	8	16 / 20	2 - 6 X 3	4	4
DAF20002	70	12	16 / 20	2 - 6 X 3	4	4
DAF20003	70	8	16 / 20	2 - 6 X 3	6	4
DAF20004	70	12	16 / 20	2 - 10 X 5	6	4





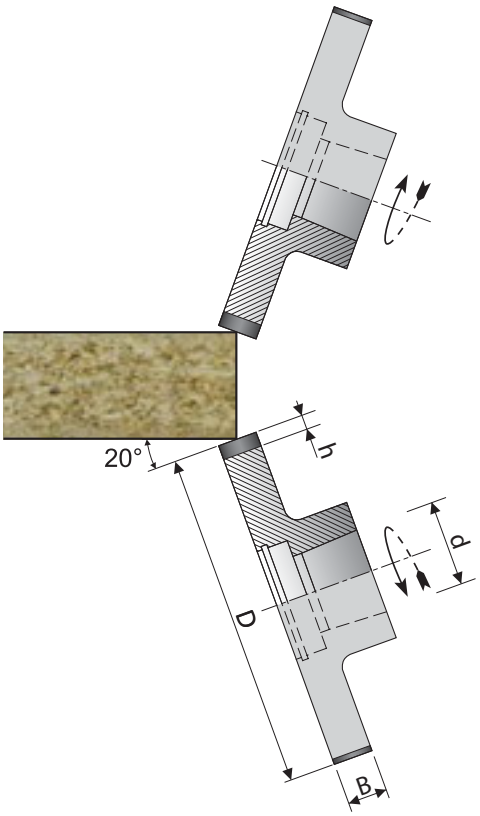


FRESE PER REFILARE E SPIGOLARE CON ATTACCO HSK H4

Milling cutters H4 for trimming and beveling on HSK
Kanten-Füge-Fräser H4 auf HSK
Fresas para ranurar y cantear H4 con HSK

CODICE CODE	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF20101	70	8	HSK25R	4	R	4
DAF20102	70	8	HSK25R	6	R	4
DAF20103	70	12	HSK25R	4	R	4
DAF20104	70	12	HSK25R	6	R	4
DAF20105	70	8	HSK25R	4	L	4
DAF20106	70	8	HSK25R	6	L	4
DAF20107	70	12	HSK25R	4	L	4
DAF20108	70	12	HSK25R	6	L	4

A richiesta si eseguono anche altre misure
Other dimension available on request



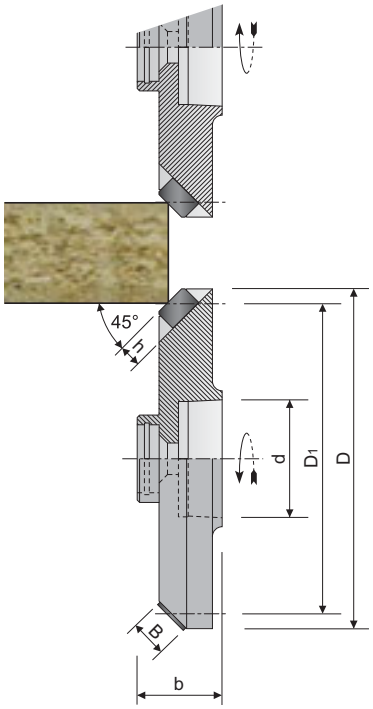


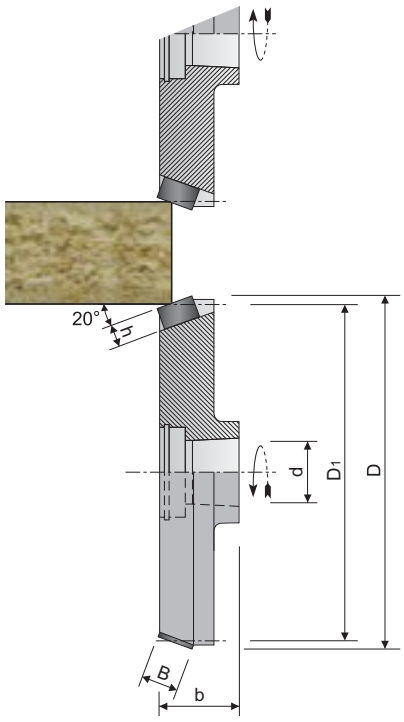
FRESE PER BORDATRICE H4

Edgebanding cutters H4
Füge Fräser H4
Fresas para cantear H4

CODICE CODE	D/D1 *mm*	B/b *mm*	d *mm*	Profilo	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF21001	73 / 70	6 / 23	HSK25R	20°	4	R	4
DAF21002	73 / 70	6 / 23	HSK25R	20°	4	L	4

CODICE CODE	D/D1 *mm*	B/b *mm*	d *mm*	Profilo	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF21003	64 / 62	6 / 17,5	HSK32R	20°	4	R	4
DAF21004	64 / 62	6 / 17,5	HSK32R	20°	6	R	4
DAF21005	64 / 62	6 / 17,5	HSK32R	20°	4	L	4
DAF21006	64 / 62	6 / 17,5	HSK32R	20°	6	L	4
DAF21007	73 / 62	6 / 17,5	HSK32R	45°	4	R	4
DAF21008	73 / 62	6 / 17,5	HSK32R	45°	6	R	4
DAF21009	73 / 62	6 / 17,5	HSK32R	45°	4	L	4
DAF21010	73 / 62	6 / 17,5	HSK32R	45°	6	L	4



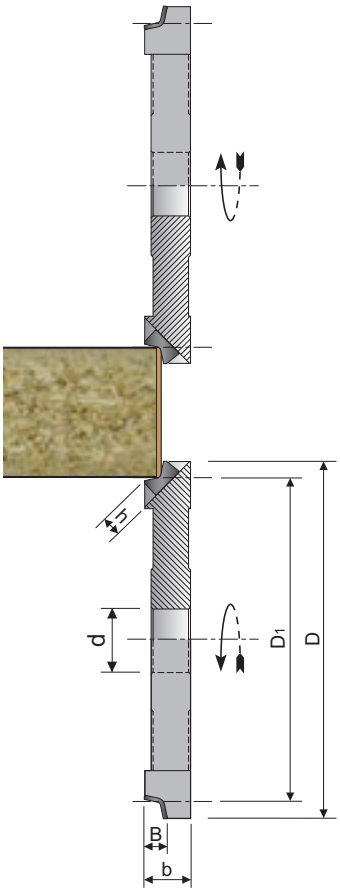




FRESE PER RAGGIARE H4

Edge rounding cutters H4
Kanten-Abrund-Fräser H4
Fresas de radio H4

CODICE CODE	D/D1 *mm*	B *mm*	d *mm*	DKN *mm*	Profilo *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF22001	73 / 61	12	16 / 20	2 - 6 X 3	r 1,5	4	R	4
DAF22002	73 / 61	12	16 / 20	2 - 6 X 3	r 2	4	R	4
DAF22003	73 / 61	12	16 / 20	2 - 6 X 3	r 3	4	R	4
DAF22004	73 / 61	12	16 / 20	2 - 6 X 3	r 4	4	R	4
DAF22005	73 / 61	12	16 / 20	2 - 6 X 3	r 5	4	R	4
DAF22006	73 / 61	12	16 / 20	2 - 6 X 3	r 1,5	4	L	4
DAF22007	73 / 61	12	16 / 20	2 - 6 X 3	r 2	4	L	4
DAF22008	73 / 61	12	16 / 20	2 - 6 X 3	r 3	4	L	4
DAF22009	73 / 61	12	16 / 20	2 - 6 X 3	r 4	4	L	4
DAF22010	73 / 61	12	16 / 20	2 - 6 X 3	r 5	4	L	4

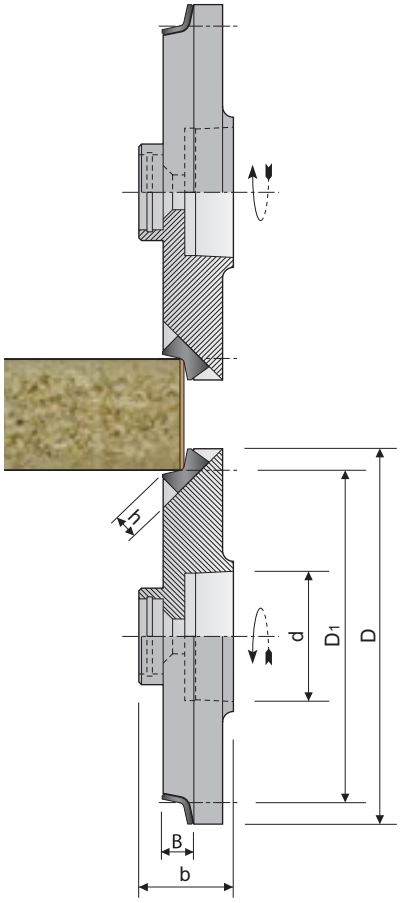


CODICE CODE	D/D1 *mm*	B *mm*	d *mm*	DKN *mm*	Profilo *mm*	Z	ROTAZ. ROTAT.	DIAMANTE h *mm*
DAF22011	82 / 70	12	16 / 20	2 - 6 X 3	r 1,5	4	R	4
DAF22012	82 / 70	12	16 / 20	2 - 6 X 3	r 2	4	R	4
DAF22013	82 / 70	12	16 / 20	2 - 6 X 3	r 3	4	R	4
DAF22014	82 / 70	12	16 / 20	2 - 6 X 3	r 4	4	R	4
DAF22015	82 / 70	12	16 / 20	2 - 6 X 3	r 5	4	R	4
DAF22016	82 / 70	12	16 / 20	2 - 6 X 3	r 1,5	4	L	4
DAF22017	82 / 70	12	16 / 20	2 - 6 X 3	r 2	4	L	4
DAF22018	82 / 70	12	16 / 20	2 - 6 X 3	r 3	4	L	4
DAF22019	82 / 70	12	16 / 20	2 - 6 X 3	r 4	4	L	4
DAF22020	82 / 70	12	16 / 20	2 - 6 X 3	r 5	4	L	4



FRESE PER RAGGIARE CON ATTACCO HSK H4

Edge rounding cutters H4 on HSK
Kanten-Abrund-Fräser H4 auf HSK
Fresas de radio H4 con HSK



CODICE CODE	D/D1 mm	B mm	b mm	d mm	Profilo mm	Z	ROTAZ. ROTAT.	DIAMANTE h mm
DAF22101	84 / 70	10	23	HSK25R	r 1,5	4	R	4
DAF22102	84 / 70	10	23	HSK25R	r 1,5	6	R	4
DAF22103	84 / 70	10	23	HSK25R	r 2	4	R	4
DAF22104	84 / 70	10	23	HSK25R	r 2	6	R	4
DAF22105	84 / 70	10	23	HSK25R	r 3	4	R	4
DAF22106	84 / 70	10	23	HSK25R	r 3	6	R	4
DAF22107	84 / 70	10	23	HSK25R	r 4	4	R	4
DAF22108	84 / 70	10	23	HSK25R	r 4	6	R	4
DAF22109	84 / 70	10	23	HSK25R	r 5	4	R	4
DAF22110	84 / 70	10	23	HSK25R	r 5	6	R	4
DAF22111	84 / 70	10	23	HSK25R	r 1,5	4	L	4
DAF22112	84 / 70	10	23	HSK25R	r 1,5	6	L	4
DAF22113	84 / 70	10	23	HSK25R	r 2	4	L	4
DAF22114	84 / 70	10	23	HSK25R	r 2	6	L	4
DAF22115	84 / 70	10	23	HSK25R	r 3	4	L	4
DAF22116	84 / 70	10	23	HSK25R	r 3	6	L	4
DAF22117	84 / 70	10	23	HSK25R	r 4	4	L	4
DAF22118	84 / 70	10	23	HSK25R	r 4	6	L	4
DAF22119	84 / 70	10	23	HSK25R	r 5	4	L	4
DAF22120	84 / 70	10	23	HSK25R	r 5	6	L	4

CODICE CODE	D/D1 mm	B mm	b mm	d mm	Profilo mm	Z	ROTAZ. ROTAT.	DIAMANTE h mm
DAF22121	73 / 62	10	33	HSK32R	r 1,5	4	R	4
DAF22122	73 / 62	10	33	HSK32R	r 1,5	6	R	4
DAF22123	73 / 62	10	33	HSK32R	r 2	4	R	4
DAF22124	73 / 62	10	33	HSK32R	r 2	6	R	4
DAF22125	73 / 62	10	33	HSK32R	r 3	4	R	4
DAF22126	73 / 62	10	33	HSK32R	r 3	6	R	4
DAF22127	73 / 62	10	33	HSK32R	r 4	4	R	4
DAF22128	73 / 62	10	33	HSK32R	r 4	6	R	4
DAF22129	73 / 62	10	33	HSK32R	r 5	4	R	4
DAF22130	73 / 62	10	33	HSK32R	r 5	6	R	4
DAF22131	73 / 62	10	33	HSK32R	r 1,5	4	L	4
DAF22132	73 / 62	10	33	HSK32R	r 1,5	6	L	4
DAF22133	73 / 62	10	33	HSK32R	r 2	4	L	4
DAF22134	73 / 62	10	33	HSK32R	r 2	6	L	4
DAF22135	73 / 62	10	33	HSK32R	r 3	4	L	4
DAF22136	73 / 62	10	33	HSK32R	r 3	6	L	4
DAF22137	73 / 62	10	33	HSK32R	r 4	4	L	4
DAF22138	73 / 62	10	33	HSK32R	r 4	6	L	4
DAF22139	73 / 62	10	33	HSK32R	r 5	4	L	4
DAF22140	73 / 62	10	33	HSK32R	r 5	6	L	4



FRESE PER SOFT-FORMING

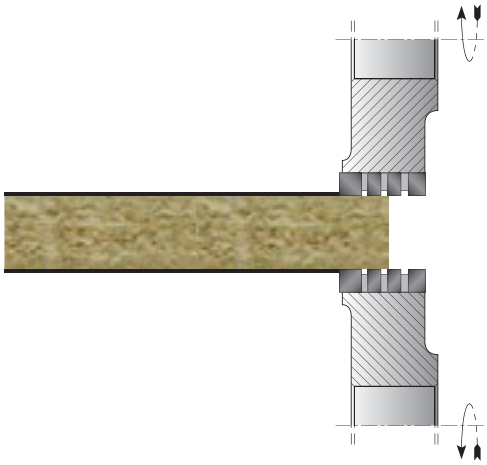
Profiled cutters for SOFT-FORMING
Fräserköpfe für SOFT-FORMING
Fresas perfiladas para SOFT-FORMING

Misure e profili su richiesta
Dimensions and profiles on request
Auf Wunsch werden unterschiedliche Abmessungen und Profile ausgeführt
Medidas y perfiles a pedir

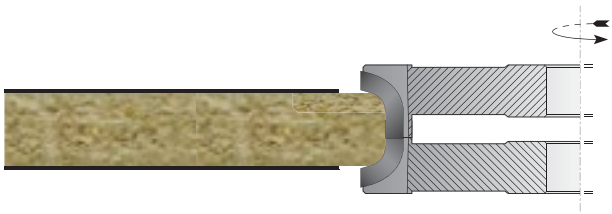
1) Laminato grezzo
Raw laminated



2) Asportazione del materiale in eccesso
Exceeding material removal



3) Raggiatura del pannello
Panel radius



4) Applicazione del bordo
Edge application



5) Laminato finito
Finished laminated

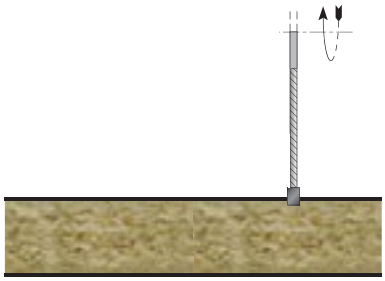




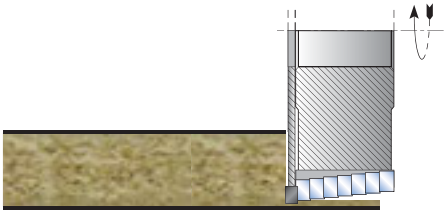
FRESE PER PRE-FORMING

Profiled cutters for PRE-FORMING
Fräserköpfe für PRE-FORMING
Fresas perfiladas para PRE-FORMING

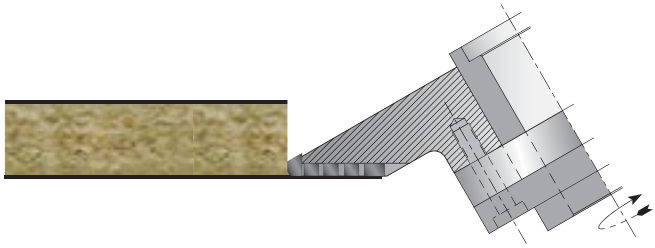
Misure e profili su richiesta
Dimensions and profiles on request
Auf Wunsch werden unterschiedliche Abmessungen und Profile ausgeführt
Medidas y perfiles a pedir



1) Incisione del laminato
Laminated engraving



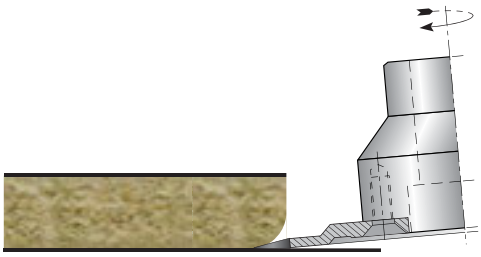
2) Sgrossatura del materiale in eccesso
Exceeding material roughing



3) Pulitura della superficie da riportare
Surface cleaning



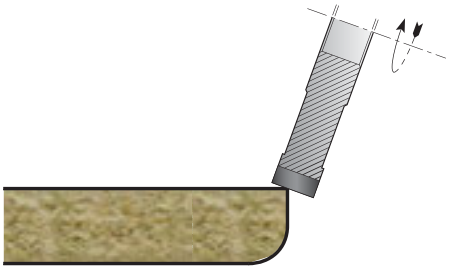
4) Sagomatura del pannello
Panel profiling



5) Incisione inferiore
Lower engraving



6) Piegatura e incollaggio del bordo
Edge's banding and glueing



7) Refilatura superiore del bordo
Edge's upper trimming



8) Laminato finito
Finished laminated



FRESE PER PAVIMENTI - MDF

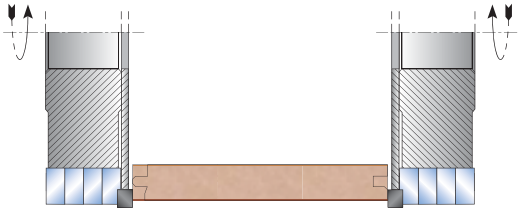
Milling cutters for floors - MDF
Fräser für Boden - MDF
Fresas para pisos - MDF

Misure e profili su richiesta
Dimensions and profiles on request
Auf Wunsch werden unterschiedliche Abmessungen und Profile ausgeführt
Medidas y perfiles a pedir

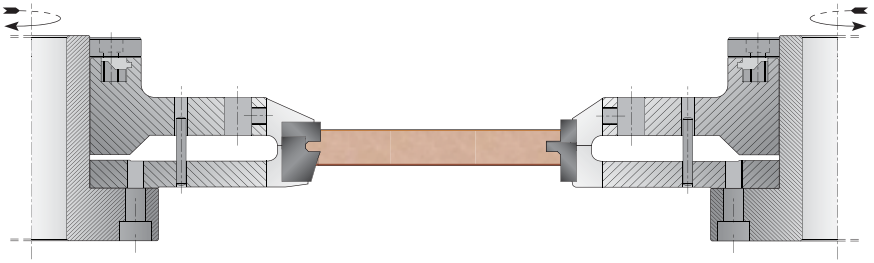
1) Incisione
Engraving



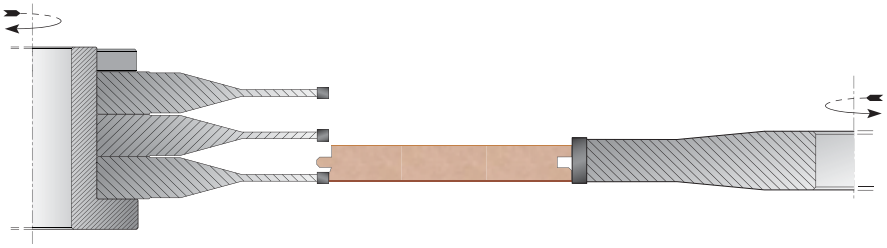
2) Asportazione del materiale in eccesso
Exceeding material removal



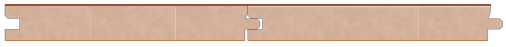
3) Profilatura del listone
Profiling

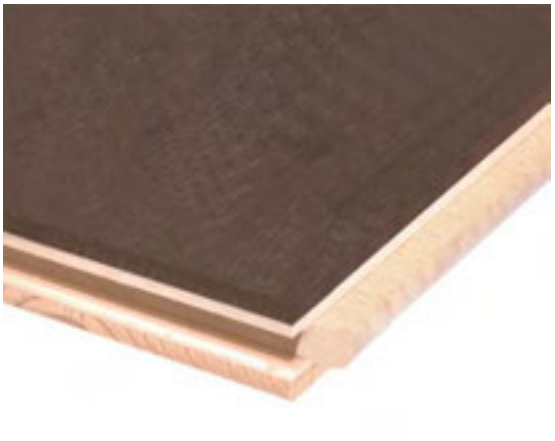


4) Finitura del lato superiore
Upper-side finishing



5) Listone finito
Result



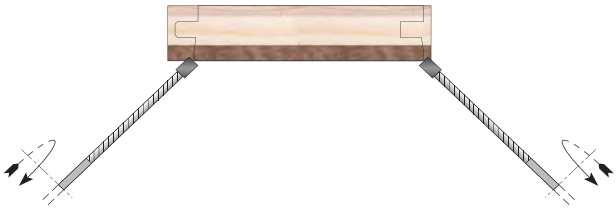


FRESE PER PAVIMENTI - PREFINITO

Milling cutters for floors - PREFINITO
Fräser für Boden - PREFINITO
Fresas para pisos - PREFINITO

Misure e profili su richiesta
Dimensions and profiles on request
Auf Wunsch werden unterschiedliche Abmessungen und Profile ausgeführt
Medidas y perfiles a pedir

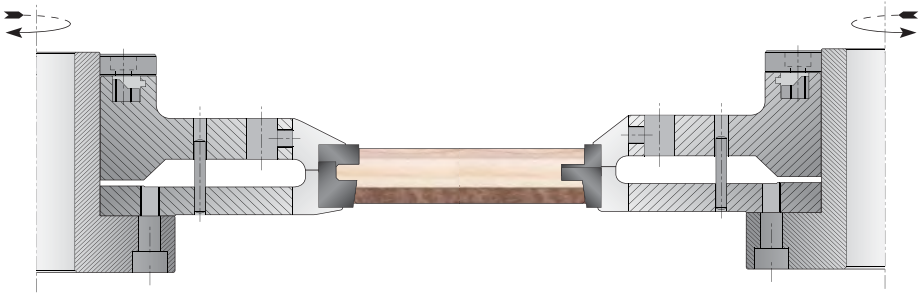
1) Incisione
Engraving



2) Asportazione del materiale in eccesso
Exceeding material removal



3) Profilatura del listone
Profiling



4) Finitura del lato superiore
Upper-side finishing



5) Spigolatura
Beveling



6) Listone finito
Result



FORATURA

DRILLING • BOHREN • PERFORAR

Punte per foratrice - Foro cieco Dead bore drill • Dübellochbohrer Brocas para agujero ciego	DAF 340	**57**
Punte per foratrice - Foro passante Through bore drill • Durchgangsbohrer Brocas para agujero pasante	DAF 350	**58**
Punte per foratrice - Cerniera H4 Cylinder boring bit H4 • Zylinderkopfbohrer H4 Brocas bisagra H4	DAF 360	**59**
Punte per foratrice H4 - Cerniera con 4 rasanti Cylinder boring H4 bit with 4 trimmers • Zylinderkopfbohrer H4 mit 4 vorschneiden Brocas bisagra H4 con 4 precortadores	DAF 361	**60**

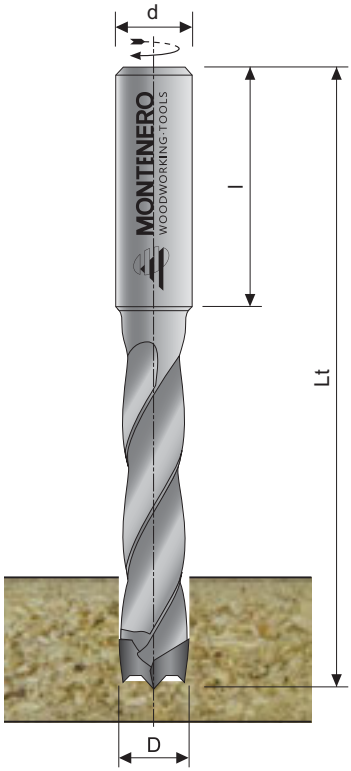


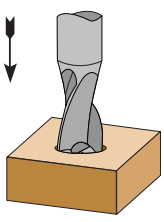
PUNTE PER FORATRICE - FORO CIECO

Dead bore drill
Dübellochbohrer
Brocas para agujero ciego



CODICE CODE	D *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	TIPS n°
DAF34001	5	57,5	10	20	2	R	2
DAF34002	5	57,5	10	20	2	L	2
DAF34003	6	57,5	10	20	2	R	2
DAF34004	6	57,5	10	20	2	L	2
DAF34005	7	57,5	10	20	2	R	2
DAF34006	7	57,5	10	20	2	L	2
DAF34007	8	57,5	10	20	2	R	2
DAF34008	8	57,5	10	20	2	L	2
DAF34009	9	57,5	10	20	2	R	2
DAF34010	9	57,5	10	20	2	L	2
DAF34011	10	57,5	10	20	2	R	2
DAF34012	10	57,5	10	20	2	L	2
DAF34013	12	57,5	10	20	2	R	2
DAF34014	12	57,5	10	20	2	L	2
DAF34015	5	70	10	20	2	R	2
DAF34016	5	70	10	20	2	L	2
DAF34017	6	70	10	20	2	R	2
DAF34018	6	70	10	20	2	L	2
DAF34019	7	70	10	20	2	R	2
DAF34020	7	70	10	20	2	L	2
DAF34021	8	70	10	20	2	R	2
DAF34022	8	70	10	20	2	L	2
DAF34023	9	70	10	20	2	R	2
DAF34024	9	70	10	20	2	L	2
DAF34025	10	70	10	20	2	R	2
DAF34026	10	70	10	20	2	L	2
DAF34027	12	70	10	20	2	R	2
DAF34028	12	70	10	20	2	L	2



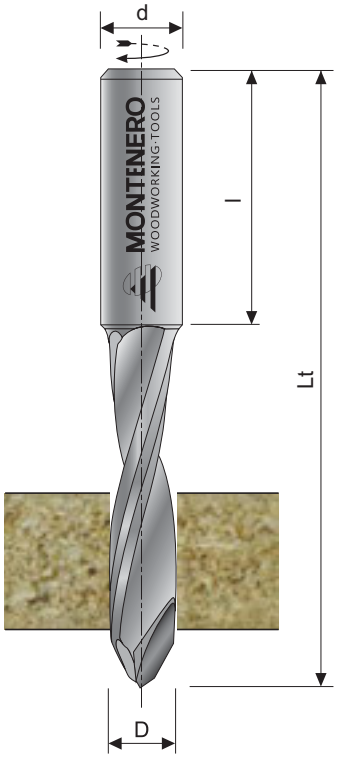


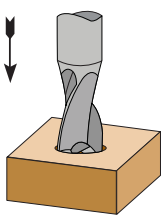


PUNTE PER FORATRICE - FORO PASSANTE

Through bore drill
Durchgangsbohrer
Brocas para agujero pasante

CODICE CODE	D *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	TIPS n°
DAF35001	5	57,5	10	20	2	R	2
DAF35002	5	57,5	10	20	2	L	2
DAF35003	6	57,5	10	20	2	R	2
DAF35004	6	57,5	10	20	2	L	2
DAF35005	7	57,5	10	20	2	R	2
DAF35006	7	57,5	10	20	2	L	2
DAF35007	8	57,5	10	20	2	R	2
DAF35008	8	57,5	10	20	2	L	2
DAF35009	9	57,5	10	20	2	R	2
DAF35010	9	57,5	10	20	2	L	2
DAF35011	10	57,5	10	20	2	R	2
DAF35012	10	57,5	10	20	2	L	2
DAF35013	12	57,5	10	20	2	R	2
DAF35014	12	57,5	10	20	2	L	2
DAF35015	5	70	10	20	2	R	2
DAF35016	5	70	10	20	2	L	2
DAF35017	6	70	10	20	2	R	2
DAF35018	6	70	10	20	2	L	2
DAF35019	7	70	10	20	2	R	2
DAF35020	7	70	10	20	2	L	2
DAF35021	8	70	10	20	2	R	2
DAF35022	8	70	10	20	2	L	2
DAF35023	9	70	10	20	2	R	2
DAF35024	9	70	10	20	2	L	2
DAF35025	10	70	10	20	2	R	2
DAF35026	10	70	10	20	2	L	2
DAF35027	12	70	10	20	2	R	2
DAF35028	12	70	10	20	2	L	2







PUNTE PER FORATRICE - CERNIERA H4

Cylinder boring bit H4
Zylinderkopfbohrer H4
Brocas bisagra H4

CODICE CODE	D *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.
DAF36001	14	57,5	10	20	2 + 2	R
DAF36002	14	57,5	10	20	2 + 2	L
DAF36003	15	57,5	10	20	2 + 2	R
DAF36004	15	57,5	10	20	2 + 2	L
DAF36005	16	57,5	10	20	2 + 2	R
DAF36006	16	57,5	10	20	2 + 2	L
DAF36007	18	57,5	10	20	2 + 2	R
DAF36008	18	57,5	10	20	2 + 2	L
DAF36009	20	57,5	10	20	2 + 2	R
DAF36010	20	57,5	10	20	2 + 2	L
DAF36011	22	57,5	10	20	2 + 2	R
DAF36012	22	57,5	10	20	2 + 2	L
DAF36013	24	57,5	10	20	2 + 2	R
DAF36014	24	57,5	10	20	2 + 2	L
DAF36015	25	57,5	10	20	2 + 2	R
DAF36016	25	57,5	10	20	2 + 2	L
DAF36017	26	57,5	10	20	2 + 2	R
DAF36018	26	57,5	10	20	2 + 2	L
DAF36019	28	57,5	10	20	2 + 2	R
DAF36020	28	57,5	10	20	2 + 2	L
DAF36021	30	57,5	10	20	2 + 2	R
DAF36022	30	57,5	10	20	2 + 2	L
DAF36023	32	57,5	10	20	2 + 2	R
DAF36024	32	57,5	10	20	2 + 2	L
DAF36025	35	57,5	10	20	2 + 2	R
DAF36026	35	57,5	10	20	2 + 2	L
DAF36027	38	57,5	10	20	2 + 2	R
DAF36028	38	57,5	10	20	2 + 2	L
DAF36029	40	57,5	10	20	2 + 2	R
DAF36030	40	57,5	10	20	2 + 2	L
DAF36031	14	70	10	20	2 + 2	R
DAF36032	14	70	10	20	2 + 2	L
DAF36033	15	70	10	20	2 + 2	R
DAF36034	15	70	10	20	2 + 2	L
DAF36035	16	70	10	20	2 + 2	R
DAF36036	16	70	10	20	2 + 2	L
DAF36037	18	70	10	20	2 + 2	R
DAF36038	18	70	10	20	2 + 2	L
DAF36039	20	70	10	20	2 + 2	R
DAF36040	20	70	10	20	2 + 2	L
DAF36041	22	70	10	20	2 + 2	R
DAF36042	22	70	10	20	2 + 2	L
DAF36043	24	70	10	20	2 + 2	R
DAF36044	24	70	10	20	2 + 2	L
DAF36045	25	70	10	20	2 + 2	R
DAF36046	25	70	10	20	2 + 2	L
DAF36047	26	70	10	20	2 + 2	R
DAF36048	26	70	10	20	2 + 2	L
DAF36049	28	70	10	20	2 + 2	R
DAF36050	28	70	10	20	2 + 2	L
DAF36051	30	70	10	20	2 + 2	R
DAF36052	30	70	10	20	2 + 2	L
DAF36053	32	70	10	20	2 + 2	R
DAF36054	32	70	10	20	2 + 2	L
DAF36055	35	70	10	20	2 + 2	R
DAF36056	35	70	10	20	2 + 2	L
DAF36057	38	70	10	20	2 + 2	R
DAF36058	38	70	10	20	2 + 2	L
DAF36059	40	70	10	20	2 + 2	R
DAF36060	40	70	10	20	2 + 2	L

VT038



M5 x 10

VT039

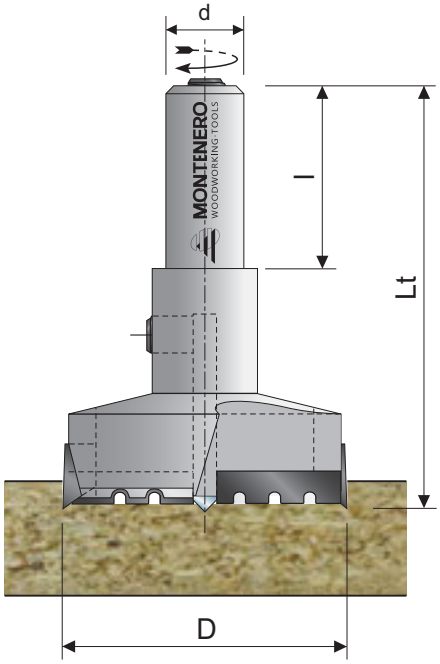


M5 x 5

CNTR01



Ø3 x 33,5





PUNTE PER FORATRICE H4 - CERNIERA CON 4 RASANTI

Cylinder boring bit H4 with 4 trimmers
Zylinderkopfbohrer H4 mit 4 vorschneiden
Brocas bisagra H4 con 4 precortadores

CODICE CODE	D *mm*	B *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	R	ROTAZ. ROTAT.
DAF36101	35	10	57,5	10	27	2	2 + 2	R
DAF36102	35	10	57,5	10	27	2	2 + 2	L
DAF36103	38	10	57,5	10	27	2	2 + 2	R
DAF36104	38	10	57,5	10	27	2	2 + 2	L
DAF36105	40	10	57,5	10	27	2	2 + 2	R
DAF36106	40	10	57,5	10	27	2	2 + 2	L
DAF36107	35	10	70	10	27	2	2 + 2	R
DAF36108	35	10	70	10	27	2	2 + 2	L
DAF36109	38	10	70	10	27	2	2 + 2	R
DAF36110	38	10	70	10	27	2	2 + 2	L
DAF36111	40	10	70	10	27	2	2 + 2	R
DAF36112	40	10	70	10	27	2	2 + 2	L

VT038



M5 x 10

VT039

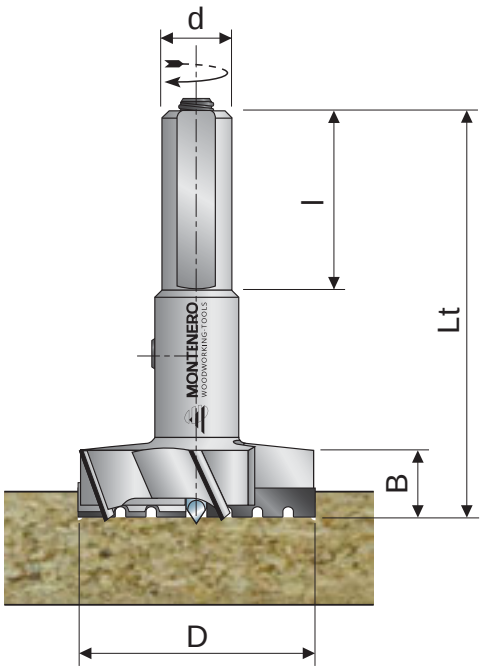


M5 x 5

CNTR01



Ø3 x 33,5



PANTOGRAFATURA

ROUTING • OBERFRÄSEN • PANTOGRAFAR

Frese sagomate a profilo campione Profiled router bit as sample • Schaftfräser nach Muster Brocas perfiladas segun muestra	DAF 320	**63**
Frese per Folding Router bit for Folding • Foldingfräser Brocas para folding	DAF 321	**64**
Frese per Folding con tagliente frazionato Router bit for Folding with fractionated cutting edge • Foldingfräser mit geteilte Platten Brocas para folding con placas fraccionadas	DAF 324	**65**
Frese per Nesting Z2 H3 Router bit for Nesting Z2 H3 • Nestingfräser Z2 H3 Brocas para Nesting Z2 H3	DAF 323	**66**
Frese per Nesting Z3 H3 Router bit for Nesting Z3 H3 • Nestingfräser Z3 H3 Brocas para Nesting Z3 H3	DAF 333	**67**
Frese per spianare Planing router bit • Spannfräser Brocas para allanar	DAF 330	**68**
Frese per guide in alluminio Profiled router bit for aluminium guides • Schaftfräser für Aluminiums-führung Profil Brocas perfiladas para guía de aluminio	DAF 331	**69**
Frese per incastri con corpo in HW Router bit on HW body • Schaftfräser auf Hw Körper Brocas para ranurar con cuerpo de HW	DAF 260	**70**
Frese con corpo in HW Z1+1 H3 Router bit on HW body Z1+1 H3 • Fügefräser auf HW Körper Z1+1 H3 Brocas con cuerpo de HW Z1+1 H3	DAF 261	**71**
Frese per forare e contornare Z1 H2,5 Bit Z1 H2,5 for drilling and cutting out • Schaftfräser Z1 H2,5 für bohren und schneiden Brocas Z1 H2,5 para taladrar y contornar	DAF 270	**72**
Frese per forare e contornare Z2 H2,5 Bit Z2 H2,5 for drilling and cutting out • Schaftfräser Z2 H2,5 für bohren und schneiden Brocas Z2 H2,5 para taladrar y contornar	DAF 280	**73**
Frese elicoidali Z2 H2,5 speciale per evacuazione truciolo Helical router bit Z2 H2,5 - for good chip ejection • Spiralförmig Schaftfräser Z2 H2,5 - für gute Späneentsorgung Brocas helicoidales Z2 H2,5 - evacuación de virutas especial	DAF 281	**75**
Frese elicoidali per forte avanzamento Z3 H5 Helical router bit Z3 H5 for quick feed • Hochsleistungs-Spiralförmig Schaftfräser Z3 H5 Brocas helicoidales Z3 H5 de alto rendimiento	DAF 290	**76**
Frese elicoidali per forte avanzamento Z3 H4 Helical router bit Z3 H4 for quick feed • Hochsleistungs-Spiralförmig Schaftfräser Z3 H4 Brocas helicoidales Z3 H4 de alto rendimiento	DAF 291	**77**
Frese elicoidali per forte avanzamento Z2 H4 Helical router bit Z2 H4 for quick feed • Hochsleistungs-Spiralförmig Schaftfräser Z2 H4 Brocas helicoidales Z2 H4 de alto rendimiento	DAF 292	**78**
Frese ad alta resa H5 High performance router bit H5 • Hochsleistungs-Schaftfräser H5 Brocas de alto rendimiento H5	DAF 300	**79**
Frese multidenti ad alta resa Z3 H4 High performance multi-cutting router bit Z3 H4 • Hochsleistungs mehrschneidig Schaftfräser Z3 H4 Brocas helicoidales multi dientes Z3 H4 de alto rendimiento	DAF 370	**80**
Frese con doppia rotazione H4 Double rotation router bit H4 • Kombinations-Schaftfräser H4 Brocas con rotaciôn doble H4	DAF 380	**81**

Frese multidenti ad alta resa Z2 H4 DAF 390 **82**

High performance multi-cutting router bit Z2 H4 • Hochsleistungs mehrschneidig Schaftfräser Z2 H4

Brocas helicoidales multi dientes Z2 H4 de alto rendimiento

Frese multidenti ad alta resa Z2 H3 DAF 400 **83**

High performance multi-cutting router bit Z2 H3 • Hochsleistungs mehrschneidig Schaftfräser Z2 H3

Brocas helicoidales multi dientes Z2 H3 de alto rendimiento

Frese elicoidali per medio avanzamento Z1 H3 DAF 410 **84**

Medium performance helical router bit Z1 H3 • Medienleistungs-Spiralförmig-Schaftfräser Z1 H3

Brocas helicoidales de medio rendimiento Z1 H3

Frese elicoidali multidenti Z2 H4 DAF 420 **85**

Helical multi-cutting router bit Z2 H4 • Spiralförmig mehrschneidig Schaftfräser Z2 H4

Brocas helicoidales multi dientes Z2 H4

Frese elicoidali multidenti Z3 H4, speciali per evacuazione truciolo DAF 430 **86**

Helical multi-cutting router bit Z3 H4, for good chip ejection • Spiralförmig mehrschneidig Schaftfräser Z3 H4, für gute Späneentsorgung

Brocas helicoidales multi dientes Z3 H4, evacuación de virutas especial

Frese elicoidali per forte avanzamento Z3 H4, speciali per evacuazione truciolo DAF 440 **87**

Helical router bit for quick feed Z3 H4, for good chip ejection • Hochsleistungs-Spiralförmig-Schaftfräser Z3 H4, für gute Späneentsorgung

Brocas helicoidales multi dientes Z3 H4, evacuación de virutas especial

Frese elicoidali Z2 H4 speciale per evacuazione truciolo DAF 450 **88**

Helical router bit Z2 H4 - for good chip ejection • Hochsleistungs-Spiralförmig-Schaftfräser Z2 H4 - für gute Späneentsorgung

Brocas helicoidales Z2 H4 - evacuación de virutas especial

Frese elicoidali multidenti Z2 H4 speciale per l'ottima finitura DAF 460 **89**

Special helical multi-cutting router bit Z2 H4 for excellent finish • Sonder Spiralförmig-mehrschneidig-schaftfräser Z2 H4 für gute Feinbearbeitung

Brocas helicoidales multi dientes especiales Z2 H4 para excelente acadabo

Frese elicoidali multidenti Z1 H4 45° DAF 465 **90**

Special helical multi-cutting router bit Z1 H4 45° • Sonder Spiralförmig-mehrschneidig-schaftfräser Z1 H4 45°

Brocas helicoidales multi dientes especiales Z1 H4 45°

Frese elicoidali multidenti Z2 H4 54° speciale per l'ottima finitura DAF 475 **91**

Special helical multi-cutting router bit Z2 H4 54° for excellent finish • Sonder Spiralförmig-mehrschneidig-schaftfräser Z2 H4 54° für gute Feinbearbeitung

Brocas helicoidales multi dientes especiales Z2 H4 54° para excelente acadabo

Frese elicoidali multidenti Z4+2+4 H4 per forte avanzamento DAF 480 **92**

Special helical multi-cutting router bit Z4+2+4 H4 for quick feed • Hochsleistungs-Spiralförmig Schaftfräser Z4+2+4 H4

Brocas helicoidales multi dientes especiales Z4+2+4 H4 de alto rendimiento



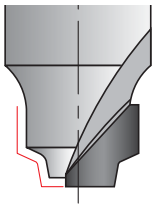
FRESE SAGOMATE A PROFILO CAMPIONE

Profiled router bit as sample
Schaftfräser nach Muster
Brocas perfiladas segun muestra

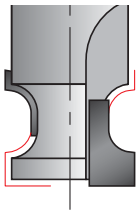
N.B. **Richiesta preventivo**
Note: Offer on request
Anm.: Angebot nach anfrage
N.B. Presupuesto a pedir

ESEMPI DI UTENSILE / Tool Example

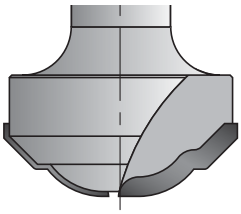
Z 1



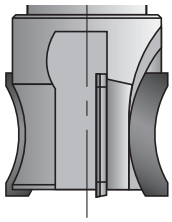
Z 1+1

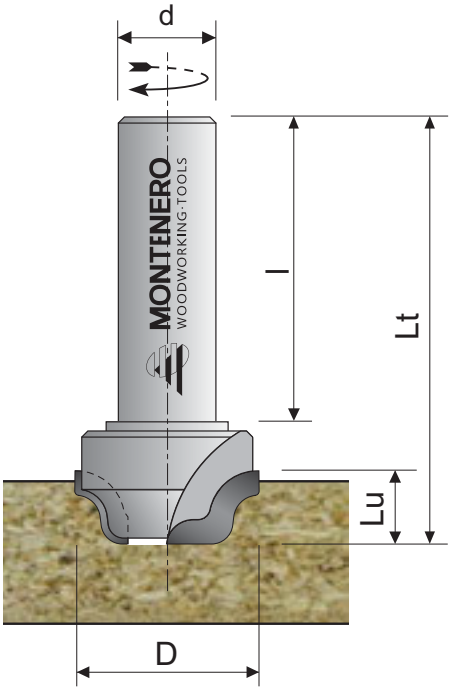


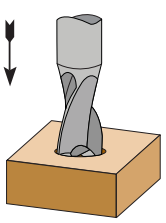
Z 2

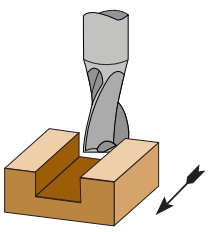


Z 3









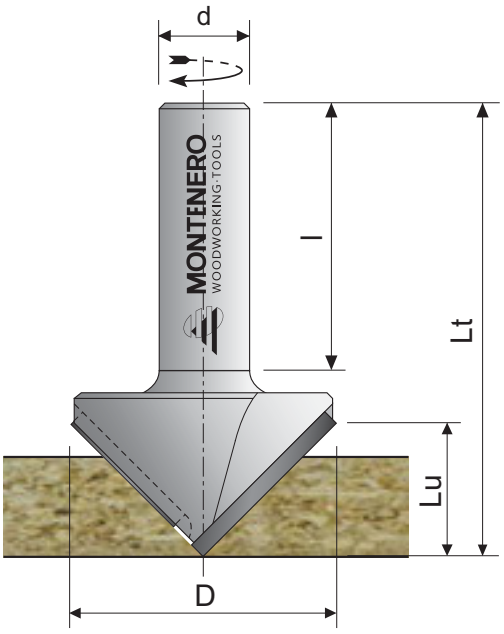
FRESE PER FOLDING

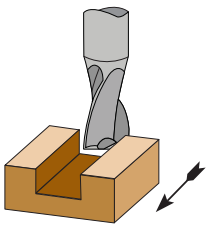
Router bit for Folding
Foldingfräser
Brocas para Folding



CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 **h** mm
DAF32101	48	24	90	20	50	1 + 1	R	2	4
DAF32102	65	32,5	95	20	50	1 + 1	R	2	4

A richiesta si eseguono anche altre misure
Other dimension available on request



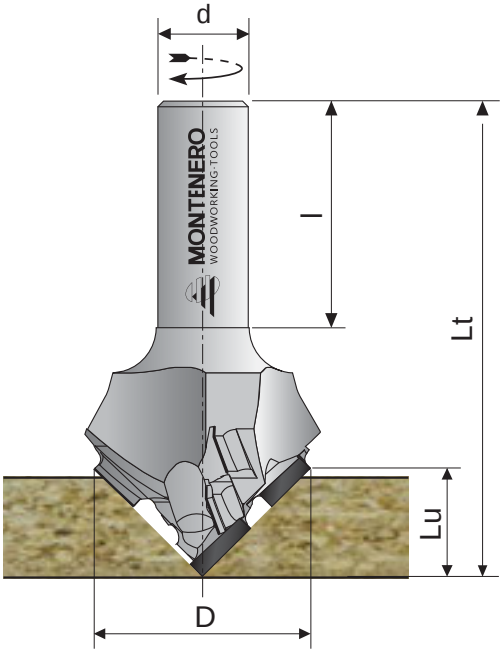


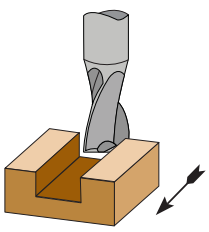
FRESE PER FOLDING CON TAGLIENTE FRAZIONATO

Router bit for Folding with fractionated cutting edge
Foldingfräser mit geteilte Platten
Brocas para Folding con placas fraccionadas



CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 **h** mm
DAF32401	60	30	105	20	50	2 + 2	R	7	4
DAF32402	73	36	105	20	50	2 + 2	R	9	4







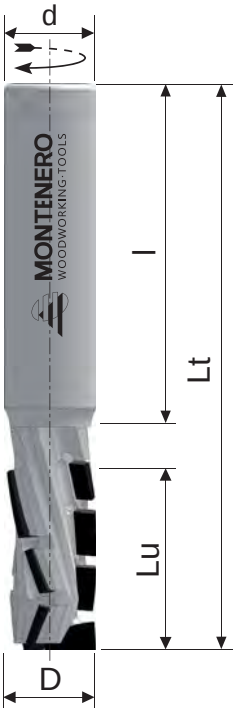
FRESE PER NESTING Z2 H3

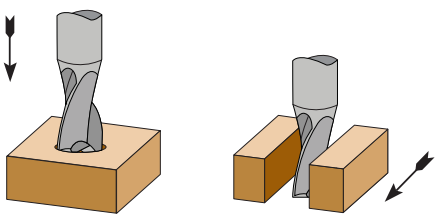
Router bit for Nesting Z2 H3
Nestingfräser Z2 H3
Brocas para Nesting Z2 H3

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	ROTAZ. ROTAT.	PLACCHE - TIP n°	PLACCHE - TIP h mm
DAF32303	12	21,5	75	12	43	2	R	8	DP
DAF32301	12	24,5	75	12	43	2	R	9	DP
DAF32302	12	31,5	80	12	43	2	R	12	DP

A richiesta si eseguono anche altre misure
Other dimension available on request

CORPO IN ACCIAIO PESANTE
Heavy steel body
Schwermetallkörper
Cuerpo en acero pesado







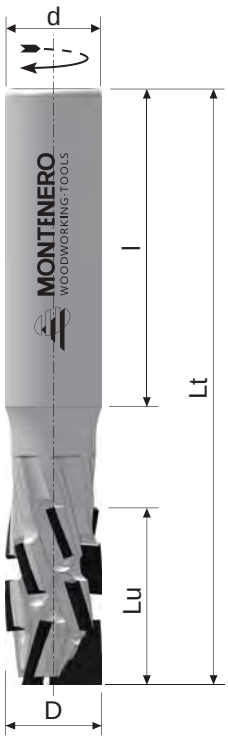
FRESE PER NESTING Z3 H3

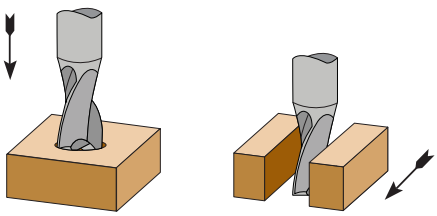
Router bit for Nesting Z3 H3
Nestingfräser Z3 H3
Brocas para Nesting Z3 H3

CODICE CODE	MATERIALE MATERIAL	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK		Z	ROTAZ. ROTAT.	PLACCHE - TIP	
					d *mm*	**l** *mm*			n°	**h** *mm*
DAF33301	*	12	22	75	12	40	3	R	12	DP
DAF33302	*	12	25	75	12	40	3	R	12	DP
DAF33303	ACCIAIO	16	35	95	20	50	3	R	18	DP

A richiesta si eseguono anche altre misure
Other dimension available on request

*** CORPO IN ACCIAIO PESANTE**
Heavy steel body
Schwermetallkörper
Cuerpo en acero pesado





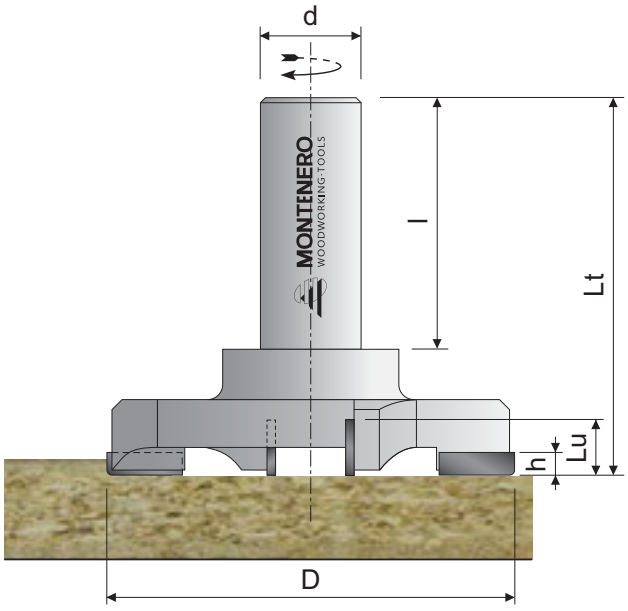


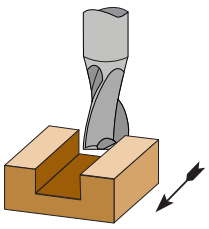
FRESE PER SPIANARE

Planing router bit
Spannfräser
Brocas para allanar

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIP n°	 **h** *mm*
DAF33001	40	15	75	20	50	2 + 2	R	4	4
DAF33002	60	15	75	20	50	2 + 2	R	4	4
DAF33003	80	15	75	20	50	2 + 2	R	4	4

A richiesta si eseguono anche altre misure
Other dimension available on request





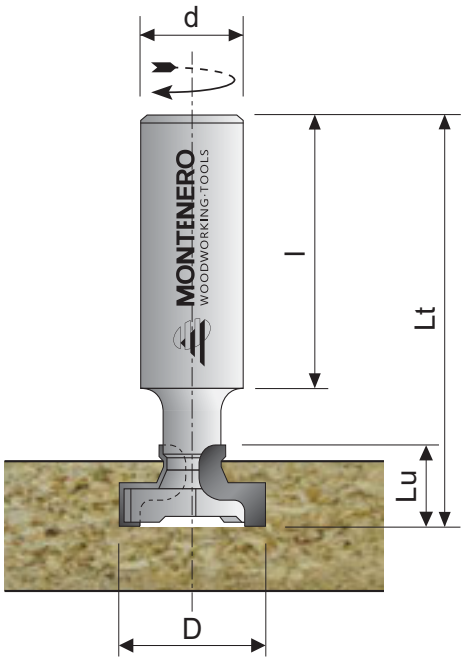


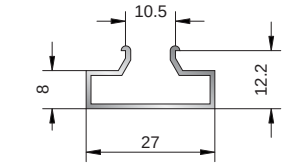
FRESE PER GUIDE IN ALLUMINIO

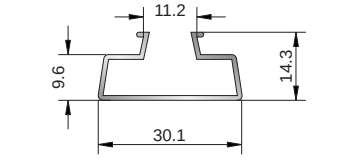
Profiled router bit for aluminium guides
Schaftfräser für Aluminiums-führung Profil
Brocas perfiladas para guía de aluminio

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIP n°	 h *mm*
DAF33101	27,9	15,2	75	20	50	2	R	2	4
DAF33102	32,7	16,8	75	20	50	2	R	2	4
DAF33103	27,3	20	75	20	50	2	R	2	4
DAF33104	29	20	75	20	50	2	R	2	4
DAF33105	28	20	75	20	50	2	R	2	4
DAF33106	25,9	20	75	20	50	2	R	2	4

A richiesta si eseguono anche altre misure
Other dimension available on request

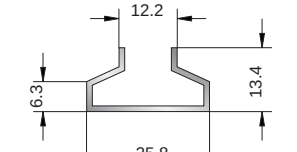


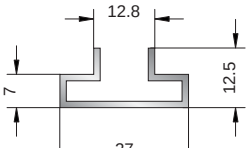




DAF33101

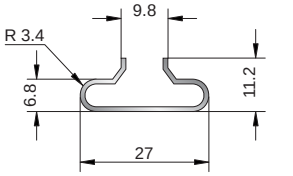
DAF33102

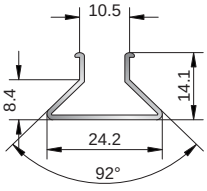




DAF33103

DAF33104





DAF33105

DAF33106

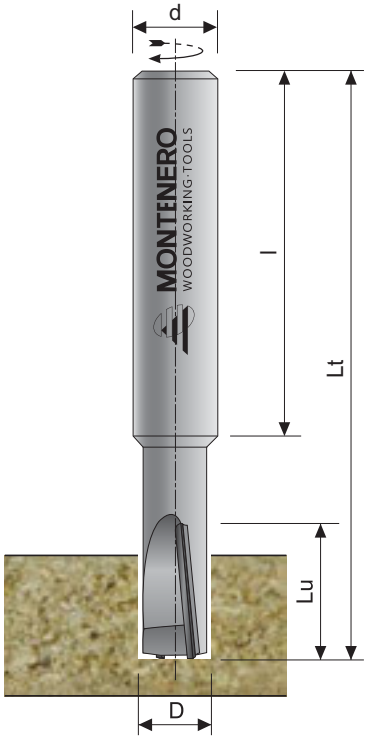


FRESE PER INCASTRI CON CORPO IN HW

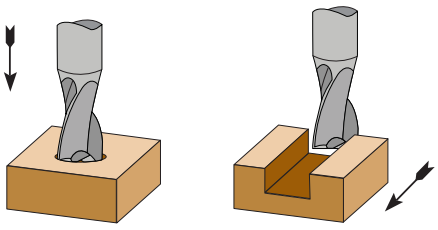
Router bit on HW body
Schaftfräser auf Hw Körper
Brocas para ranurar con cuerpo de HW

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF26001	5	10	70	6	40	1	R	1	HW
DAF26002	6	10	70	6	40	1	R	1	HW
DAF26003	7	10	70	8	40	1	R	1	HW
DAF26004	8	10	70	10	40	1	R	1	HW
DAF26005	8	13	70	10	40	1	R	1	HW
DAF26006	8	16	70	10	40	1	R	1	HW
DAF26007	8	20	70	10	40	1	R	1	HW
DAF26008	10	10	70	10	40	1	R	1	HW
DAF26009	10	10	70	10	40	2	R	2	HW
DAF26010	10	13	70	10	40	1	R	1	HW
DAF26011	10	13	70	10	40	2	R	2	HW
DAF26012	10	16	70	10	40	1	R	1	HW
DAF26013	10	16	70	10	40	2	R	2	HW
DAF26014	10	20	70	10	40	1	R	1	HW
DAF26015	10	20	70	10	40	2	R	2	HW
DAF26016	10	25	70	10	40	1	R	2	HW
DAF26017	10	25	70	10	40	2	R	2	HW
DAF26018	12	10	70	12	40	1	R	1	HW
DAF26019	12	10	70	12	40	2	R	2	HW
DAF26020	12	13	70	12	40	1	R	1	HW
DAF26021	12	13	70	12	40	2	R	2	HW
DAF26022	12	16	70	12	40	1	R	1	HW
DAF26023	12	16	70	12	40	2	R	2	HW
DAF26024	12	20	70	12	40	1	R	2	HW
DAF26025	12	20	70	12	40	2	R	2	HW
DAF26026	12	25	70	12	40	1	R	2	HW
DAF26027	12	25	70	12	40	2	R	2	HW

Forante in Diamante a richiesta
Diamond drilling tip on request



A richiesta si eseguono anche altre misure
Other dimension available on request



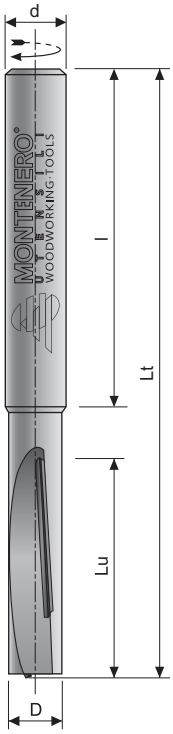


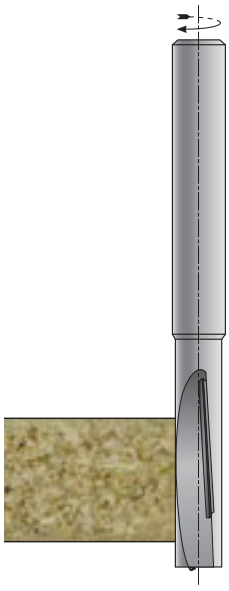
FRESE CON CORPO IN HW Z1+1 H3

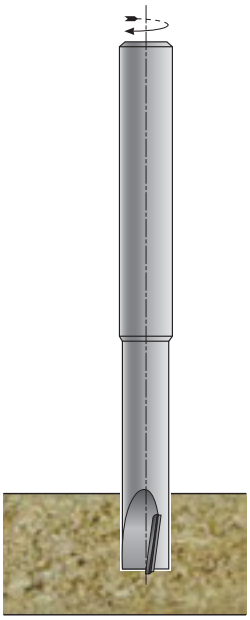
Router bit on HW body Z1+1 H3
Schaftfräser auf Hw Körper Z1+1 H3
Brocas con cuerpo de HW Z1+1 H3

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO / SHANK ***d*** *mm*	 ***l*** *mm*	Z	ROTAZ. ROTAT.
DAF26101	8	28	80	8	45	1 + 1	R
DAF26102	10	28	80	8	45	1 + 1	R

A richiesta si eseguono anche altre misure
Other dimension available on request







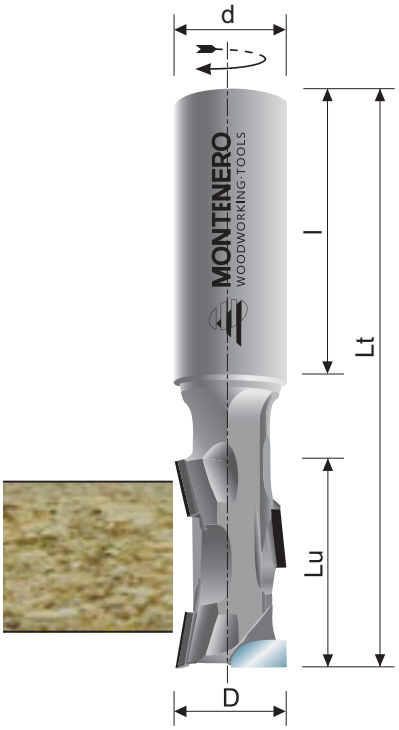


FRESE PER FORARE E CONTORNARE Z1 H2,5

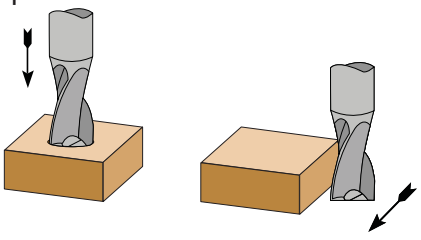
Bit Z1 H2,5 for drilling and cutting out
Schaftfräser Z1 H2,5 für bohren und schneiden
Brocas Z1 H2,5 para taladrar y contornar

CODICE	D	Lu	Lt	ATTACCO - SHANK		Z	ROTAZ.	PLACCHE - TIPS	
CODE	mm	mm	mm	d mm	l mm		ROTAT.	n°	Forante
DAF27001	8	20	65	10	40	1	R	2	HW
DAF27002	8	20	65	10	40	1	L	2	HW
DAF27003	8	27	70	10	40	1	R	3	HW
DAF27004	8	27	70	10	40	1	L	3	HW
DAF27005	10	20	70	10	40	1	R	2	HW
DAF27006	10	20	70	10	40	1	L	2	HW
DAF27007	10	27	75	10	40	1	R	3	HW
DAF27008	10	27	75	10	40	1	L	3	HW
DAF27009	12	27	75	12	40	1	R	4	HW
DAF27010	12	27	75	12	40	1	L	4	HW
DAF27011	12	35	80	12	40	1	R	5	HW
DAF27012	12	35	80	12	40	1	L	5	HW
DAF27013	16	27	95	16 / 20	50	1	R	3	HW
DAF27014	16	27	95	16 / 20	50	1	L	3	HW
DAF27015	16	34	95	16 / 20	50	1	R	4	HW
DAF27016	16	34	95	16 / 20	50	1	L	4	HW
DAF27017	16	43	105	16 / 20	50	1	R	5	HW
DAF27018	16	43	105	16 / 20	50	1	L	5	HW
DAF27019	18	27	95	20	50	1	R	3	HW
DAF27020	18	27	95	20	50	1	L	3	HW
DAF27021	18	34	95	20	50	1	R	4	HW
DAF27022	18	34	95	20	50	1	L	4	HW
DAF27023	18	43	105	20	50	1	R	5	HW
DAF27024	18	43	105	20	50	1	L	5	HW
DAF27025	18	52	110	20	50	1	R	6	HW
DAF27026	18	52	110	20	50	1	L	6	HW
DAF27027	20	27	95	20	50	1	R	3	HW
DAF27028	20	27	95	20	50	1	L	3	HW
DAF27029	20	35	95	20	50	1	R	4	HW
DAF27030	20	35	95	20	50	1	L	4	HW
DAF27031	20	43	105	20	50	1	R	5	HW
DAF27032	20	43	105	20	50	1	L	5	HW
DAF27033	20	52	110	20	50	1	R	6	HW
DAF27034	20	52	110	20	50	1	L	6	HW
DAF27035	20	58	120	20	50	1	R	7	HW
DAF27036	20	58	120	20	50	1	L	7	HW
DAF27037	20	66	125	20	50	1	R	8	HW
DAF27038	20	66	125	20	50	1	L	8	HW

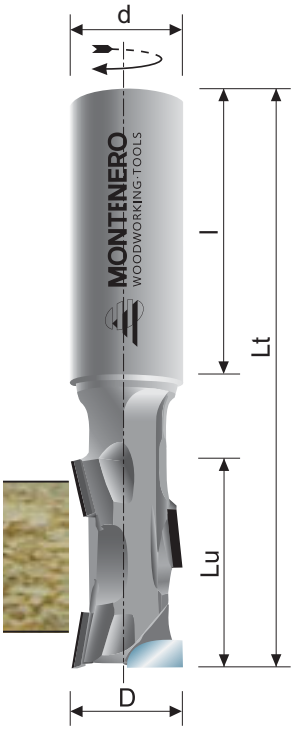
Forante in Diamante a richiesta
Diamond drilling tip on request



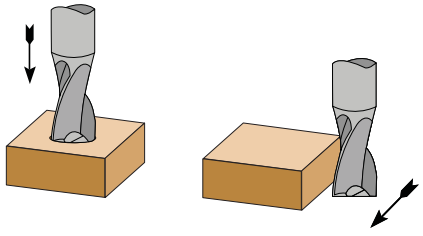
A richiesta si eseguono anche altre misure
Other dimension available on request



CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF27039	12,7 (1/2")	27	75	12,7 (1/2")	40	1	R	4	HW
DAF27040	12,7 (1/2")	27	75	12,7 (1/2")	40	1	L	4	HW
DAF27041	12,7 (1/2")	35	80	12,7 (1/2")	40	1	R	5	HW
DAF27042	12,7 (1/2")	35	80	12,7 (1/2")	40	1	L	5	HW
DAF27043	15,87 (5/8")	27	95	15,87 (5/8")	50	1	R	3	HW
DAF27044	15,87 (5/8")	27	95	15,87 (5/8")	50	1	L	3	HW
DAF27045	15,87 (5/8")	34	95	15,87 (5/8")	50	1	R	4	HW
DAF27046	15,87 (5/8")	34	95	15,87 (5/8")	50	1	L	4	HW
DAF27047	15,87 (5/8")	43	105	15,87 (5/8")	50	1	R	5	HW
DAF27048	15,87 (5/8")	43	105	15,87 (5/8")	50	1	L	5	HW
DAF27049	15,87 (5/8")	27	95	19,05 (3/4")	50	1	R	3	HW
DAF27050	15,87 (5/8")	27	95	19,05 (3/4")	50	1	L	3	HW
DAF27051	15,87 (5/8")	34	95	19,05 (3/4")	50	1	R	4	HW
DAF27052	15,87 (5/8")	34	95	19,05 (3/4")	50	1	L	4	HW
DAF27053	15,87 (5/8")	43	105	19,05 (3/4")	50	1	R	5	HW
DAF27054	15,87 (5/8")	43	105	19,05 (3/4")	50	1	L	5	HW
DAF27055	19,05 (3/4")	27	95	19,05 (3/4")	50	1	R	3	HW
DAF27056	19,05 (3/4")	27	95	19,05 (3/4")	50	1	L	3	HW
DAF27057	19,05 (3/4")	35	95	19,05 (3/4")	50	1	R	4	HW
DAF27058	19,05 (3/4")	35	95	19,05 (3/4")	50	1	L	4	HW
DAF27059	19,05 (3/4")	43	105	19,05 (3/4")	50	1	R	5	HW
DAF27060	19,05 (3/4")	43	105	19,05 (3/4")	50	1	L	5	HW
DAF27061	19,05 (3/4")	52	110	19,05 (3/4")	50	1	R	6	HW
DAF27062	19,05 (3/4")	52	110	19,05 (3/4")	50	1	L	6	HW
DAF27063	19,05 (3/4")	58	120	19,05 (3/4")	50	1	R	7	HW
DAF27064	19,05 (3/4")	58	120	19,05 (3/4")	50	1	L	7	HW
DAF27065	19,05 (3/4")	66	125	19,05 (3/4")	50	1	R	8	HW
DAF27066	19,05 (3/4")	66	125	19,05 (3/4")	50	1	L	8	HW



A richiesta si eseguono anche altre misure
Other dimension available on request





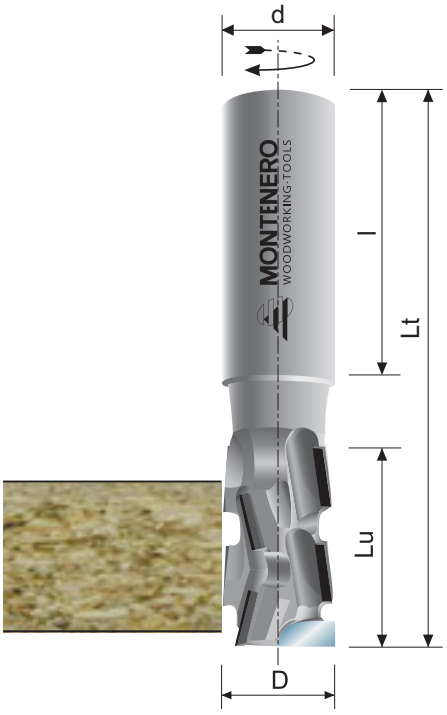
FRESE PER FORARE E CONTORNARE Z2 H2,5

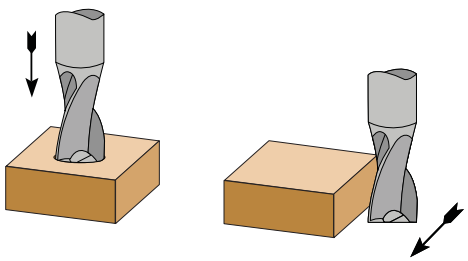
Bit Z2 H2,5 for drilling and cutting out
Schaftfräser Z2 H2,5 für bohren und schneiden
Brocas Z2 H2,5 para taladrar y contornar

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF28001	18	42	105	20	50	2	R	10	HW
DAF28002	18	42	105	20	50	2	L	10	HW
DAF28003	18	51	110	20	50	2	R	12	HW
DAF28004	18	51	110	20	50	2	L	12	HW
DAF28005	20	25	95	20	50	2	R	6	HW
DAF28006	20	25	95	20	50	2	L	6	HW
DAF28007	20	32	95	20	50	2	R	8	HW
DAF28008	20	32	95	20	50	2	L	8	HW
DAF28009	20	42	105	20	50	2	R	10	HW
DAF28010	20	42	105	20	50	2	L	10	HW
DAF28011	20	51	110	20	50	2	R	12	HW
DAF28012	20	51	110	20	50	2	L	12	HW

Forante in Diamante a richiesta
Diamond drilling tip on request

A richiesta si eseguono anche altre misure
Other dimension available on request





FRESE ELICOIDALI Z2 H2,5 SPECIALE PER EVACUAZIONE TRUCIOLO

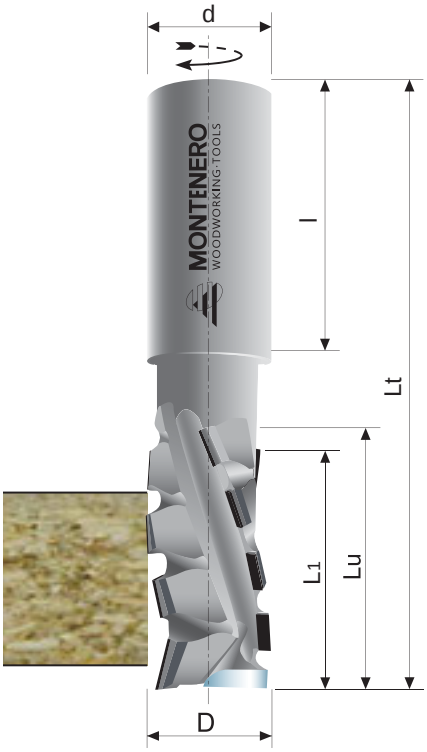
Helical router bit Z2 H2,5 - for good chip ejection
Spiralförmig Schaftfräser Z2 H2,5 - für gute Späneentsorgung
Brocas helicoidales Z2 H2,5 - evacuación de virutas especial



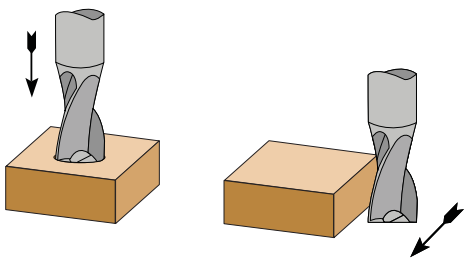
CODICE CODE	D *mm*	L1 *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF28101	20	**27**	30	96	20	50	2	R	7	HW
DAF28102	20	**27**	30	96	20	50	2	L	7	HW
DAF28103	20	**32**	36	96	20	50	2	R	8	HW
DAF28104	20	**32**	36	96	20	50	2	L	8	HW
DAF28105	20	**42**	44	104	20	50	2	R	10	HW
DAF28106	20	**42**	44	104	20	50	2	L	10	HW
DAF28107	20	**52**	54	112	20	50	2	R	12	HW
DAF28108	20	**52**	54	112	20	50	2	L	12	HW
DAF28109	20	**65**	69,5	125	25	50	2	R	16	HW
DAF28110	20	**65**	69,5	125	25	50	2	L	16	HW

CODICE CODE	D *mm*	L1 *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF28111	19,05 (3/4")	**27**	30	96	19,05 (3/4")	50	2	R	7	HW
DAF28112	19,05 (3/4")	**27**	30	96	19,05 (3/4")	50	2	L	7	HW
DAF28113	19,05 (3/4")	**32**	36	96	19,05 (3/4")	50	2	R	8	HW
DAF28114	19,05 (3/4")	**32**	36	96	19,05 (3/4")	50	2	L	8	HW
DAF28115	19,05 (3/4")	**42**	44	104	19,05 (3/4")	50	2	R	10	HW
DAF28116	19,05 (3/4")	**42**	44	104	19,05 (3/4")	50	2	L	10	HW
DAF28117	19,05 (3/4")	**52**	54	112	19,05 (3/4")	50	2	R	12	HW
DAF28118	19,05 (3/4")	**52**	54	112	19,05 (3/4")	50	2	L	12	HW
DAF28119	19,05 (3/4")	**65**	69,5	125	19,05 (3/4")	50	2	R	15	HW
DAF28120	19,05 (3/4")	**65**	69,5	125	19,05 (3/4")	50	2	L	15	HW

Forante in Diamante a richiesta
Diamond drilling tip on request



A richiesta si eseguono anche altre misure
Other dimension available on request





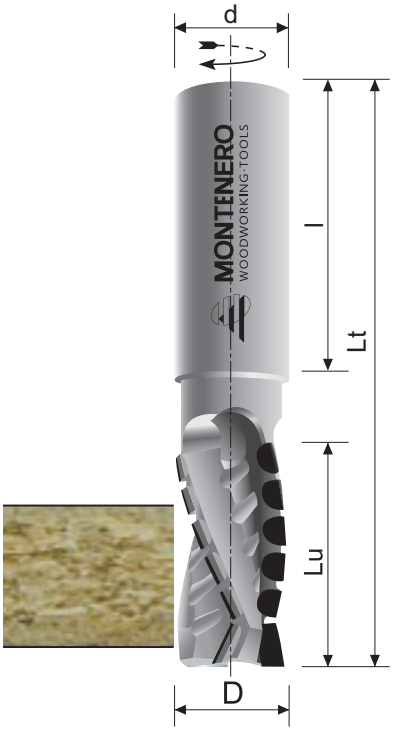
FRESE ELICOIDALI PER FORTE AVANZAMENTO Z3 H5

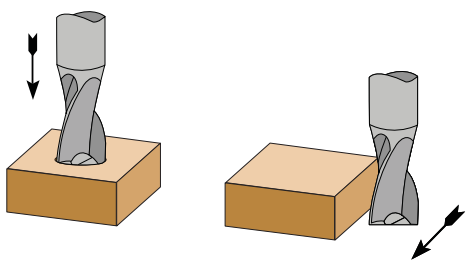
Helical router bit Z3 H5 for quick feed
Hochsleistungs-Spiralförmig Schaftfräser Z3 H5
Brocas helicoidales Z3 H5 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF29001	22	28	95	20 / 25	55	3	R	12	HW
DAF29002	22	28	95	20 / 25	55	3	L	12	HW
DAF29003	22	35	95	20 / 25	55	3	R	15	HW
DAF29004	22	35	95	20 / 25	55	3	L	15	HW
DAF29005	22	42	105	20 / 25	55	3	R	18	HW
DAF29006	22	42	105	20 / 25	55	3	L	18	HW
DAF29007	22	49	110	20 / 25	55	3	R	21	HW
DAF29008	22	49	110	20 / 25	55	3	L	21	HW
DAF29009	25	35	105	25	55	3	R	15	HW
DAF29010	25	35	105	25	55	3	L	15	HW
DAF29011	25	42	105	25	55	3	R	18	HW
DAF29012	25	42	105	25	55	3	L	18	HW
DAF29013	25	49	115	25	55	3	R	21	HW
DAF29014	25	49	115	25	55	3	L	21	HW
DAF29015	25	63	125	25	55	3	R	27	HW
DAF29016	25	63	125	25	55	3	L	27	HW
DAF29017	25	70	135	25	55	3	R	30	HW
DAF29018	25	70	135	25	55	3	L	30	HW

Forante in Diamante a richiesta
Diamond drilling tip on request

A richiesta si eseguono anche altre misure
Other dimension available on request







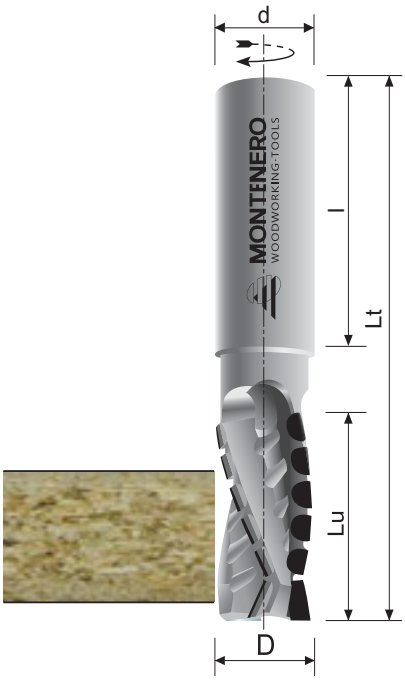
FRESE ELICOIDALI PER FORTE AVANZAMENTO Z3 H4

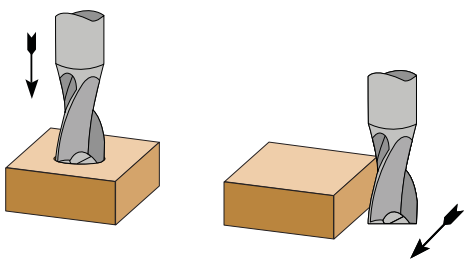
Helical router bit Z3 H4 for quick feed
Hochsleistungs-Spiralförmig Schaftfräser Z3 H4
Brocas helicoidales Z3 H4 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK		Z	ROTAZ. ROTAT.	PLACCHE - TIPS	
				d *mm*	**l** *mm*			n°	Forante
DAF29101	20	28	95	20 / 25	55	3	R	12	HW
DAF29102	20	28	95	20 / 25	55	3	L	12	HW
DAF29103	20	35	100	20 / 25	55	3	R	15	HW
DAF29104	20	35	100	20 / 25	55	3	L	15	HW
DAF29105	20	42	105	20 / 25	55	3	R	18	HW
DAF29106	20	42	105	20 / 25	55	3	L	18	HW
DAF29107	20	49	110	20 / 25	55	3	R	21	HW
DAF29108	20	49	110	20 / 25	55	3	L	21	HW

A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in Diamante a richiesta
Diamond drilling tip on request







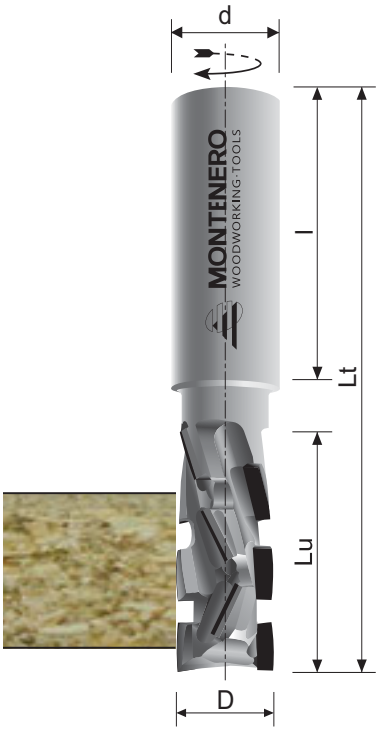
FRESE ELICOIDALI PER FORTE AVANZAMENTO Z2 H4

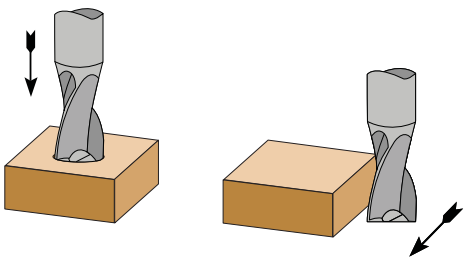
Helical router bit Z2 H4 for quick feed
Hochsleistungs-Spiralförmig Schaftfräser Z2 H4
Brocas helicoidales Z2 H4 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF29201	20	32	95	20	50	2	R	8	HW
DAF29202	20	32	95	20	50	2	L	8	HW
DAF29203	20	46	105	20	50	2	R	12	HW
DAF29204	20	46	105	20	50	2	L	12	HW
DAF29205	20	53	110	20	50	2	R	14	HW
DAF29206	20	53	110	20	50	2	L	14	HW
DAF29207	25	32	100	25	55	2	R	8	HW
DAF29208	25	32	100	25	55	2	L	8	HW
DAF29209	25	46	110	25	55	2	R	12	HW
DAF29210	25	46	110	25	55	2	L	12	HW
DAF29211	25	53	115	25	55	2	R	14	HW
DAF29212	25	53	115	25	55	2	L	14	HW
DAF29213	25	60	120	25	55	2	R	16	HW
DAF29214	25	60	120	25	55	2	L	16	HW
DAF29215	25	67	130	25	55	2	R	18	HW
DAF29216	25	67	130	25	55	2	L	18	HW
DAF29217	25	74	135	25	55	2	R	20	HW
DAF29218	25	74	135	25	55	2	L	20	HW

Forante in Diamante a richiesta
Diamond drilling tip on request

A richiesta si eseguono anche altre misure
Other dimension available on request







FRESE AD ALTA RESA H5

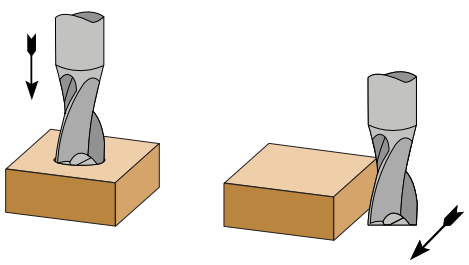
High performance router bit H5
Hochsleistungs-Schaftfräser H5
Brocas de alto rendimiento H5

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK		Z	ROTAZ. ROTAT.	PLACCHE - TIPS	
				d *mm*	**l** *mm*			n°	Forante
DAF30001	25	30	100	25	60	2	R	6	HW
DAF30002	25	30	100	25	60	2	L	6	HW
DAF30003	25	40	110	25	60	2	R	8	HW
DAF30004	25	40	110	25	60	2	L	8	HW
DAF30005	25	50	120	25	60	2	R	10	HW
DAF30006	25	50	120	25	60	2	L	10	HW

A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in Diamante a richiesta
Diamond drilling tip on request





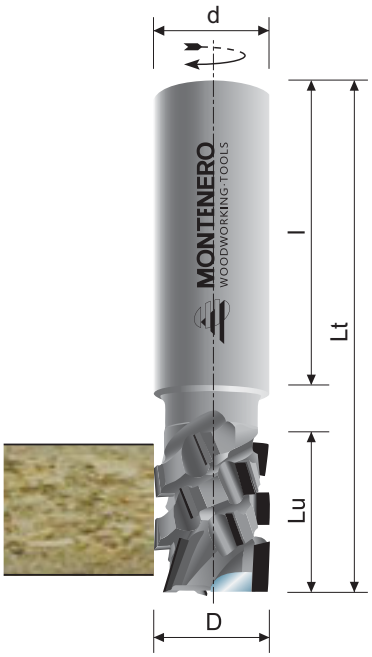


FRESE MULTIDENTI AD ALTA RESA Z3 H4

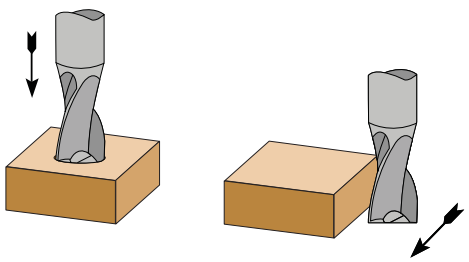
High performance multi-cutting router bit Z3 H4
Hochsleistungs mehrschneidig Schaftfräser Z3 H4
Brocas helicoidales multi dientes Z3 H4 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF37001	22	32	92	20	55	3	R	15	HW
DAF37002	22	32	92	20	55	3	L	15	HW
DAF37003	22	38	98	20	55	3	R	18	HW
DAF37004	22	38	98	20	55	3	L	18	HW
DAF37005	22	43,5	103	20	55	3	R	21	HW
DAF37006	22	43,5	103	20	55	3	L	21	HW
DAF37007	22	49	109	20	55	3	R	24	HW
DAF37008	22	49	109	20	55	3	L	24	HW
DAF37009	25	32	92	20 / 25	55	3	R	15	HW
DAF37010	25	32	92	20 / 25	55	3	L	15	HW
DAF37011	25	38	98	20 / 25	55	3	R	18	HW
DAF37012	25	38	98	20 / 25	55	3	L	18	HW
DAF37013	25	43,5	103	20 / 25	55	3	R	21	HW
DAF37014	25	43,5	103	20 / 25	55	3	L	21	HW
DAF37015	25	49	109	20 / 25	55	3	R	24	HW
DAF37016	25	49	109	20 / 25	55	3	L	24	HW
DAF37017	25	54,5	115	20 / 25	55	3	R	27	HW
DAF37018	25	54,5	115	20 / 25	55	3	L	27	HW
DAF37019	25	60	126	20 / 25	55	3	R	30	HW
DAF37020	25	60	126	20 / 25	55	3	L	30	HW
DAF37021	25	65	126	20 / 25	55	3	R	33	HW
DAF37022	25	65	126	20 / 25	55	3	L	33	HW
DAF37023	25	70	126	20 / 25	55	3	R	36	HW
DAF37024	25	70	126	20 / 25	55	3	L	36	HW

Forante in Diamante a richiesta
Diamond drilling tip on request



A richiesta si eseguono anche altre misure
Other dimension available on request





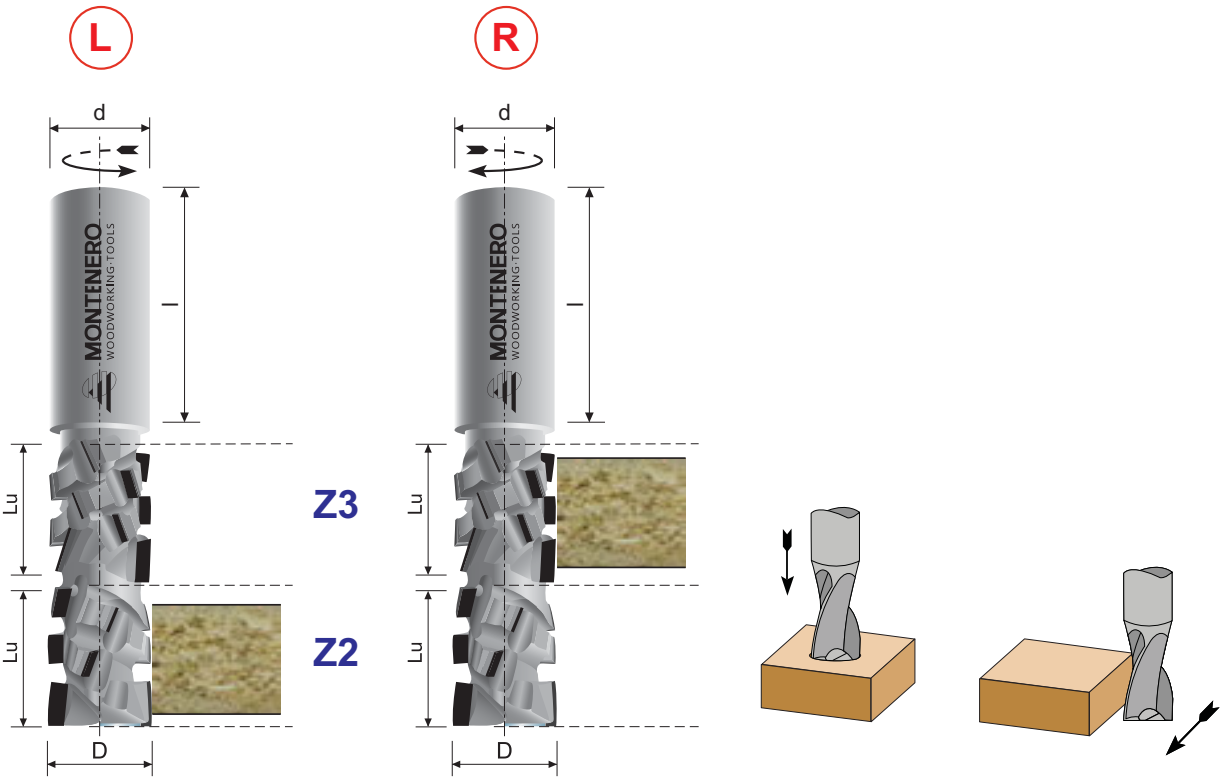
FRESE CON DOPPIA ROTAZIONE H4

Double rotation router bit H4
Kombinations-Schaftfräser H4
Brocas con rotaciôn doble H4

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF38001	25	32 + 32	130	25	50	3 / 2	R / L	15 + 10	HW
DAF38002	25	37 + 37	135	25	50	3 / 2	R / L	18 + 12	HW
DAF38003	25	42 + 42	150	25	50	3 / 2	R / L	21 + 14	HW

A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in Diamante a richiesta
Diamond drilling tip on request



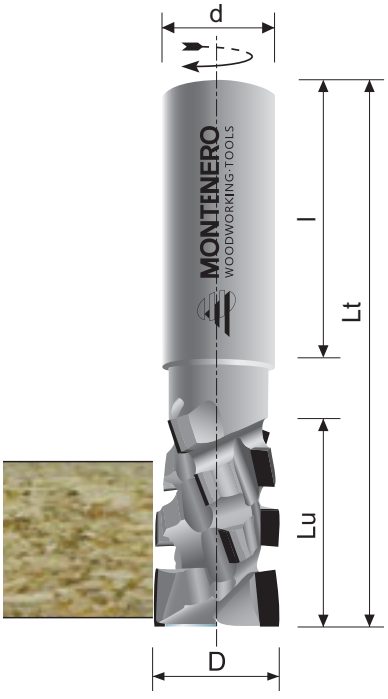


FRESE MULTIDENTI AD ALTA RESA Z2 H4

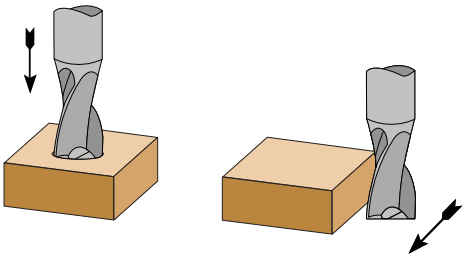
High performance multi-cutting router bit Z2 H4
Hochsleistungs mehrschneidig Schaftfräser Z2 H4
Brocas helicoidales multi dientes Z2 H4 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF39001	22	32	92	20	50	2	R	10	HW
DAF39002	22	32	92	20	50	2	L	10	HW
DAF39003	22	38	98	20	50	2	R	12	HW
DAF39004	22	38	98	20	50	2	L	12	HW
DAF39005	22	43,5	103	20	50	2	R	14	HW
DAF39006	22	43,5	103	20	50	2	L	14	HW
DAF39007	22	49	109	20	50	2	R	16	HW
DAF39008	22	49	109	20	50	2	L	16	HW
DAF39009	22	54,5	115	20	50	2	R	18	HW
DAF39010	22	54,5	115	20	50	2	L	18	HW
DAF39011	22	60	126	20	50	2	R	20	HW
DAF39012	22	60	126	20	50	2	L	20	HW
DAF39013	25	32	92	20 / 25	55	2	R	10	HW
DAF39014	25	32	92	20 / 25	55	2	L	10	HW
DAF39015	25	38	98	20 / 25	55	2	R	12	HW
DAF39016	25	38	98	20 / 25	55	2	L	12	HW
DAF39017	25	43,5	103	20 / 25	55	2	R	14	HW
DAF39018	25	43,5	103	20 / 25	55	2	L	14	HW
DAF39019	25	49	109	20 / 25	55	2	R	16	HW
DAF39020	25	49	109	20 / 25	55	2	L	16	HW
DAF39021	25	54,5	115	20 / 25	55	2	R	18	HW
DAF39022	25	54,5	115	20 / 25	55	2	L	18	HW
DAF39023	25	60	126	20 / 25	55	2	R	20	HW
DAF39024	25	60	126	20 / 25	55	2	L	20	HW
DAF39025	25	65	126	20 / 25	55	2	R	22	HW
DAF39026	25	65	126	20 / 25	55	2	L	22	HW
DAF39027	25	70	126	20 / 25	55	2	R	24	HW
DAF39028	25	70	126	20 / 25	55	2	L	24	HW

Forante in Diamante a richiesta
Diamond drilling tip on request



A richiesta si eseguono anche altre misure
Other dimension available on request





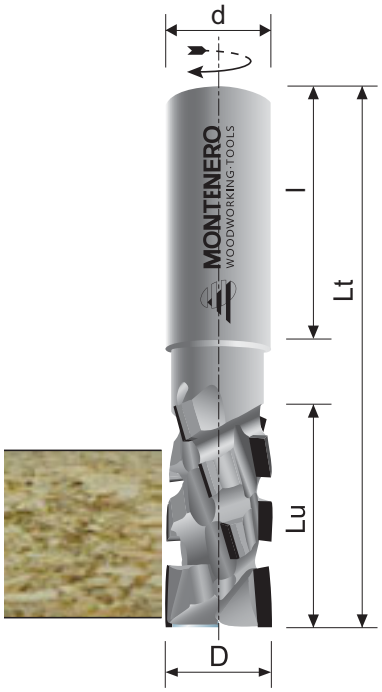
FRESE MULTIDENTI AD ALTA RESA Z2 H3

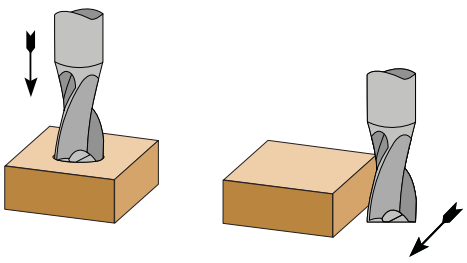
High performance multi-cutting router bit Z2 H3
Hochsleistungs mehrschneidig Schaftfräser Z2 H3
Brocas helicoidales multi dientes Z2 H3 de alto rendimiento

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF40001	20	32	92	20 / 25	55	2	R	10	HW
DAF40002	20	32	92	20 / 25	55	2	L	10	HW
DAF40003	20	38	98	20 / 25	55	2	R	12	HW
DAF40004	20	38	98	20 / 25	55	2	L	12	HW
DAF40005	20	43,5	103,5	20 / 25	55	2	R	14	HW
DAF40006	20	43,5	103,5	20 / 25	55	2	L	14	HW
DAF40007	20	49	109	20 / 25	55	2	R	16	HW
DAF40008	20	49	109	20 / 25	55	2	L	16	HW
DAF40009	20	54,5	115	20 / 25	55	2	R	18	HW
DAF40010	20	54,5	115	20 / 25	55	2	L	18	HW
DAF40011	20	60	120	20 / 25	55	2	R	20	HW
DAF40012	20	60	120	20 / 25	55	2	L	20	HW

A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in Diamante a richiesta
Diamond drilling tip on request





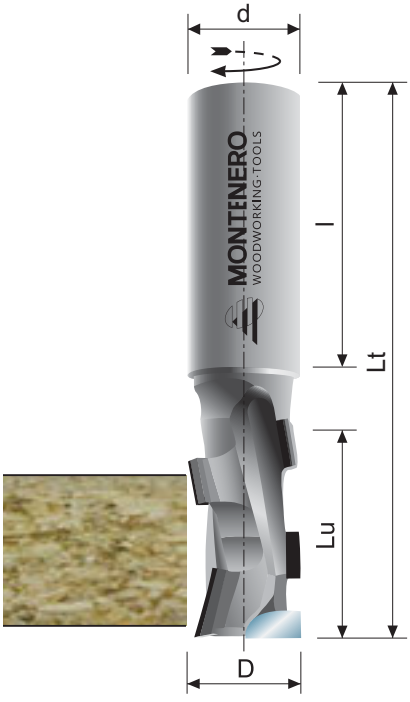


FRESE ELICOIDALI PER MEDIO AVANZAMENTO Z1 H3

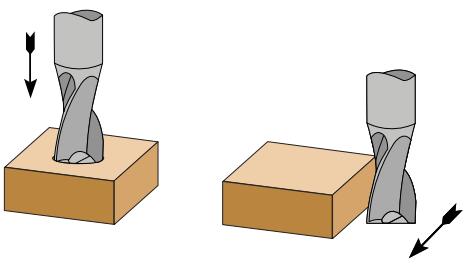
Medium performance helical router bit Z1 H3
Medienleistungs Spiralförmig Schaftfräser Z1 H3
Brocas helicoidales de medio rendimiento Z1 H3

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF41001	10	25	75	12	40	1	R	5	HW
DAF41002	10	25	75	12	40	1	L	5	HW
DAF41003	12	30	75	12	40	1	R	6	HW
DAF41004	12	30	75	12	40	1	L	6	HW
DAF41005	12	35	80	12	40	1	R	7	HW
DAF41006	12	35	80	12	40	1	L	7	HW
DAF41007	12	42	90	12	40	1	R	9	HW
DAF41008	12	42	90	12	40	1	L	9	HW
DAF41009	20	25	90	20	50	1	R	4	HW
DAF41010	20	25	90	20	50	1	L	4	HW
DAF41011	20	30	95	20	50	1	R	5	HW
DAF41012	20	30	95	20	50	1	L	5	HW
DAF41013	20	35	95	20	50	1	R	6	HW
DAF41014	20	35	95	20	50	1	L	6	HW
DAF41015	20	42	105	20	50	1	R	7	HW
DAF41016	20	42	105	20	50	1	L	7	HW
DAF41017	20	49	105	20	50	1	R	8	HW
DAF41018	20	49	105	20	50	1	L	8	HW
DAF41019	20	54	110	20	50	1	R	9	HW
DAF41020	20	54	110	20	50	1	L	9	HW
DAF41021	20	60	117	20	50	1	R	10	HW
DAF41022	20	60	117	20	50	1	L	10	HW
DAF41023	20	68	120	20	50	1	R	11	HW
DAF41024	20	68	120	20	50	1	L	11	HW
DAF41025	20	72	130	20	50	1	R	12	HW
DAF41026	20	72	130	20	50	1	L	12	HW

Forante in Diamante a richiesta
Diamond drilling tip on request



A richiesta si eseguono anche altre misure
Other dimension available on request

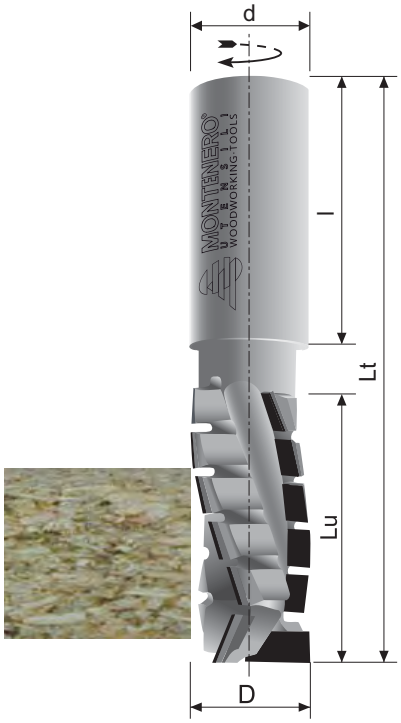


FRESE ELICOIDALI MULTIDENTI Z2 H4

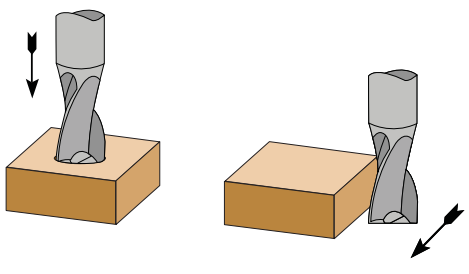
Helical multi-cutting router bit Z2 H4
Spiralförmig mehrschneidig Schaftfräser Z2 H4
Brocas helicoidales multi dientes Z2 H4



CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF42001	20	22	95	20	50	2	R	8	DP
DAF42002	20	22	95	20	50	2	L	8	DP
DAF42003	20	29	95	20	50	2	R	11	DP
DAF42004	20	29	95	20	50	2	L	11	DP
DAF42005	20	37	95	20	50	2	R	14	DP
DAF42006	20	37	95	20	50	2	L	14	DP
DAF42007	20	44	105	20	50	2	R	17	DP
DAF42008	20	44	105	20	50	2	L	17	DP
DAF42009	20	52	110	20	50	2	R	20	DP
DAF42010	20	52	110	20	50	2	L	20	DP
DAF42011	20	59	120	20	50	2	R	23	DP
DAF42012	20	59	120	20	50	2	L	23	DP
DAF42013	20	67	125	20	50	2	R	26	DP
DAF42014	20	67	125	20	50	2	L	26	DP
DAF42015	25	22	95	25	55	2	R	8	DP
DAF42016	25	22	95	25	55	2	L	8	DP
DAF42017	25	29	95	25	55	2	R	11	DP
DAF42018	25	29	95	25	55	2	L	11	DP
DAF42019	25	37	100	25	55	2	R	14	DP
DAF42020	25	37	100	25	55	2	L	14	DP
DAF42021	25	44	110	25	55	2	R	17	DP
DAF42022	25	44	110	25	55	2	L	17	DP
DAF42023	25	52	115	25	55	2	R	20	DP
DAF42024	25	52	115	25	55	2	L	20	DP
DAF42025	25	59	125	25	55	2	R	23	DP
DAF42026	25	59	125	25	55	2	L	23	DP
DAF42027	25	67	130	25	55	2	R	26	DP
DAF42028	25	67	130	25	55	2	L	26	DP



A richiesta si eseguono anche altre misure
Other dimension available on request





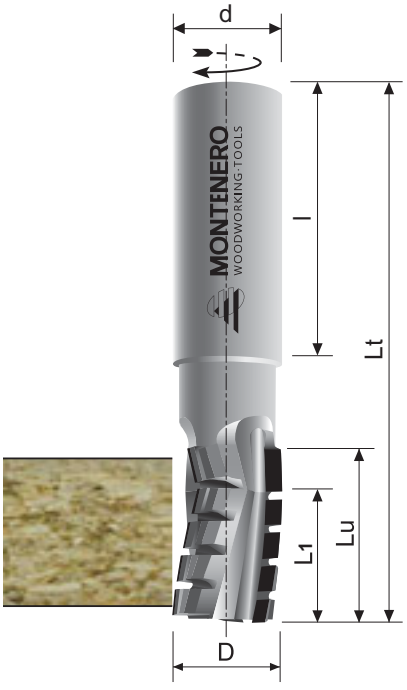
FRESE ELICOIDALI MULTIDENTI Z3 H4, SPECIALI PER EVACUAZIONE TRUCIOLO

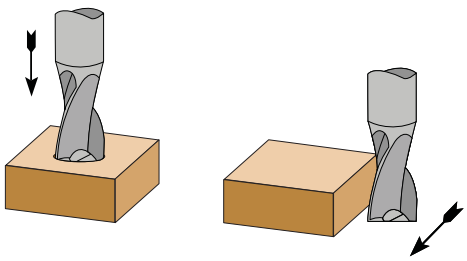
Helical multi-cutting router bit Z3 H4, for good chip ejection
Spiralförmig mehrschneidig Schaftfräser Z3 H4, für gute Späneentsorgung
Brocas helicoidales multi dientes Z3 H4, evacuación de virutas especial



CODICE CODE	D mm	L1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	PLACCHE - TIPS Forante
DAF43001	20	20	29	90	20	50	3	R	11	DP
DAF43002	20	20	29	90	20	50	3	L	11	DP
DAF43003	20	28	37	95	20	50	3	R	14	DP
DAF43004	20	28	37	95	20	50	3	L	14	DP
DAF43005	20	35	44	105	20	50	3	R	17	DP
DAF43006	20	35	44	105	20	50	3	L	17	DP
DAF43007	20	20	29	95	25	55	3	R	11	DP
DAF43008	20	20	29	95	25	55	3	L	11	DP
DAF43009	20	28	37	105	25	55	3	R	14	DP
DAF43010	20	28	37	105	25	55	3	L	14	DP
DAF43011	25	20	29	95	25	55	3	R	11	DP
DAF43012	25	20	29	95	25	55	3	L	11	DP
DAF43013	25	28	37	105	25	55	3	R	14	DP
DAF43014	25	28	37	105	25	55	3	L	14	DP
DAF43015	25	35	44	113	25	55	3	R	17	DP
DAF43016	25	35	44	113	25	55	3	L	17	DP
DAF43017	25	43	52	123	25	55	3	R	20	DP
DAF43018	25	43	52	123	25	55	3	L	20	DP
DAF43019	25	50	59	130	25	55	3	R	23	DP
DAF43020	25	50	59	130	25	55	3	L	23	DP

A richiesta si eseguono anche altre misure
Other dimension available on request





FRESE ELICOIDALI PER FORTE AVANZAMENTO Z3 H4, SPECIALE PER EVACUAZIONE TRUCIOLO

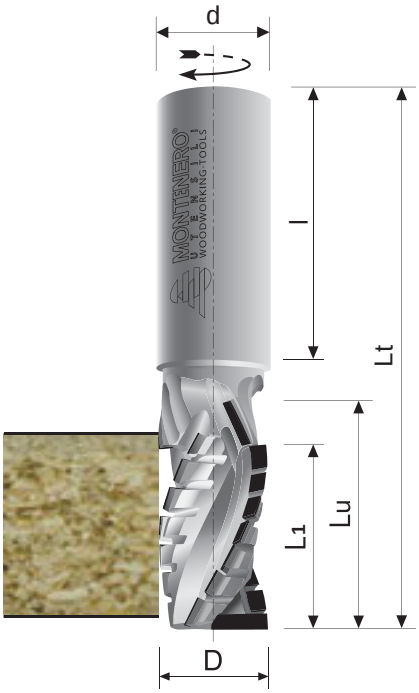
Helical router bit for quick feed Z3 H4, for good chip ejection
Hochsleistungs-Spiralförming-Schaftfräser Z3 H4, für gute Späneentsorgung
Brocas helicoidales multi dientes Z3 H4, evacuación de virutas especial

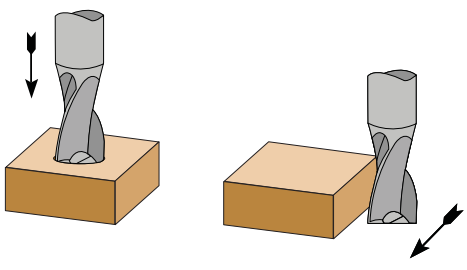


CODICE CODE	D *mm*	L1 *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF44001	20	19	25	95	16 / 20	50	3	R	12	DP
DAF44002	20	19	25	95	16 / 20	50	3	L	12	DP
DAF44003	20	26	32	95	16 / 20	50	3	R	15	DP
DAF44004	20	26	32	95	16 / 20	50	3	L	15	DP
DAF44005	20	32	38	100	16 / 20	50	3	R	18	DP
DAF44006	20	32	38	100	16 / 20	50	3	L	18	DP
DAF44007	20	39	45	110	16 / 20	50	3	R	21	DP
DAF44008	20	39	45	110	16 / 20	50	3	L	21	DP
DAF44009	25	19	27	95	20 / 25	60	3	R	12	DP
DAF44010	25	19	27	95	20 / 25	60	3	L	12	DP
DAF44011	25	29	37	105	20 / 25	60	3	R	16	DP
DAF44012	25	29	37	105	20 / 25	60	3	L	16	DP
DAF44013	25	44	52	120	20 / 25	60	3	R	24	DP
DAF44014	25	44	52	120	20 / 25	60	3	L	24	DP
DAF44015	25	62	70	140	20 / 25	60	3	R	33	DP
DAF44016	25	62	70	140	20 / 25	60	3	L	33	DP

A richiesta si eseguono anche altre misure
Other dimension available on request







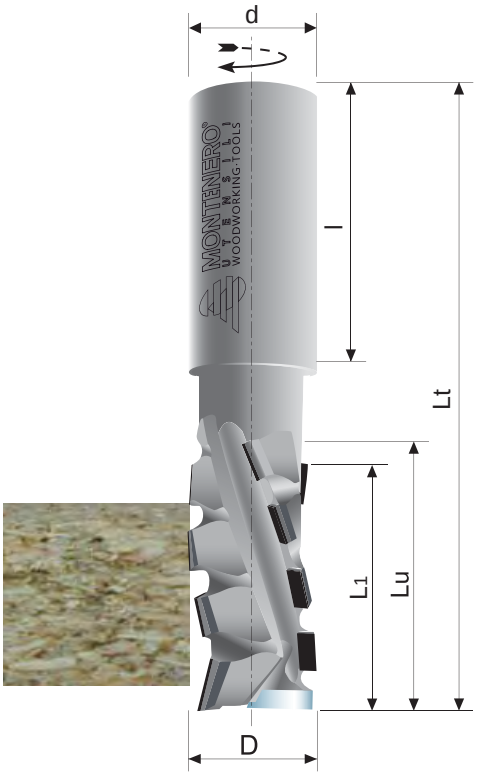


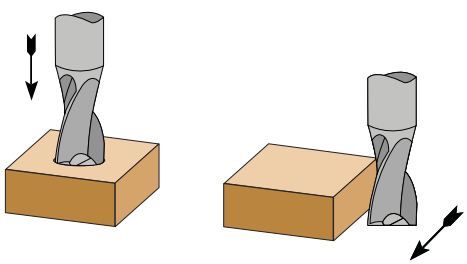
FRESE ELICOIDALI Z2 H4 SPECIALE PER EVACUAZIONE TRUCIOLO

Helical router bit Z2 H4 - for good chip ejection
Hochsleistungs-Spiralförmig-Schaftfräser Z2 H4 - für gute Späneentsorgung
Brocas helicoidales Z2 H4 - evacuación de virutas especial

CODICE CODE	D *mm*	L1 *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF45001	20	**32**	36	96	20	50	2	R	8	HW
DAF45002	20	**32**	36	96	20	50	2	L	8	HW
DAF45003	20	**42**	44	104	20	50	2	R	10	HW
DAF45004	20	**42**	44	104	20	50	2	L	10	HW
DAF45005	20	**52**	54	112	20	50	2	R	12	HW
DAF45006	20	**52**	54	112	20	50	2	L	12	HW
DAF45007	24	**68**	69,5	125	25	50	2	R	16	HW
DAF45008	24	**68**	69,5	125	25	50	2	L	16	HW

A richiesta si eseguono anche altre misure
Other dimension available on request





FRESE ELICOIDALI MULTIDENTI Z2 H4
SPECIALE PER L'OTTIMA FINITURA

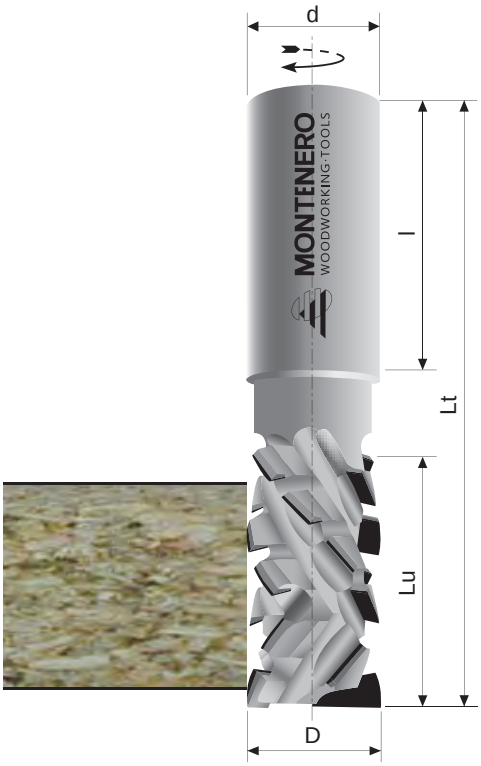
Special helical multi-cutting router bit Z2 H4 for excellent finish
Sonder Spiralförmig-mehrschneidig-schaftfräser Z2 H4 für gute feinbearbeitung
Brocas helicoidales multi dientes especiales Z2 H4 para excelente acabado

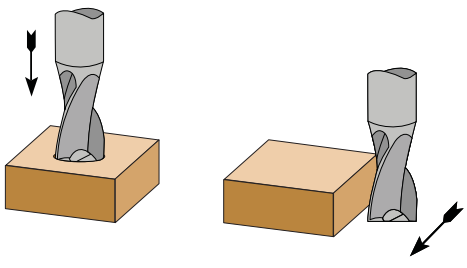


CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	 l *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF46001	25	38	100	20 / 25	50	2	R	16	DP
DAF46002	25	38	100	20 / 25	50	2	L	16	DP
DAF46003	25	46	110	20 / 25	50	2	R	20	DP
DAF46004	25	46	110	20 / 25	50	2	L	20	DP
DAF46005	25	63	125	20 / 25	50	2	R	28	DP
DAF46006	25	63	125	20 / 25	50	2	L	28	DP
DAF46007	25	71	140	20 / 25	50	2	R	32	DP
DAF46008	25	71	140	20 / 25	50	2	L	32	DP

A richiesta si eseguono anche altre misure
Other dimension available on request







FRESE ELICOIDALI MULTIDENTI Z1 H4 45°

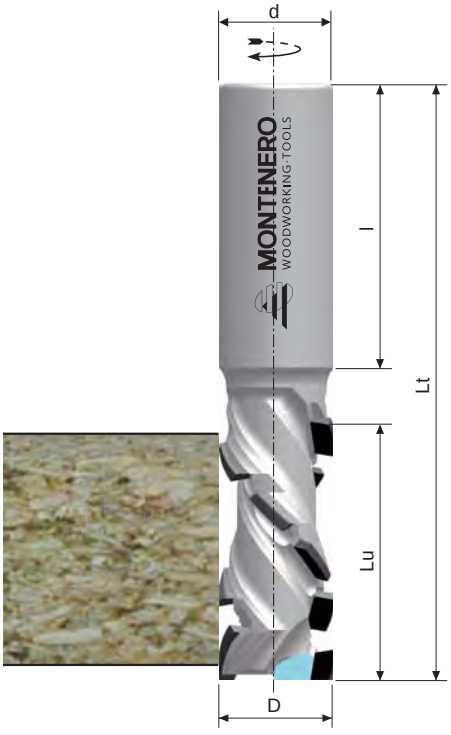


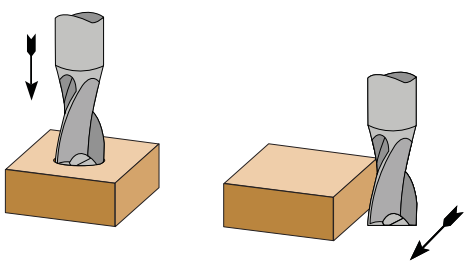
Special helical multi-cutting router bit Z1 H4 45°
Sonder Spiralförmig-mehrschneidig-schaftfräser Z1 H4 45°
Brocas helicoidales multi dientes especiales Z1 H4 45°

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 Forante
DAF46501	20	27,6	87,5	20 / 25	50 / 55	1	R	6	HW
DAF46502	20	27,6	87,5	20 / 25	50 / 55	1	L	6	HW
DAF46503	20	36,4	96	20 / 25	50 / 55	1	R	8	HW
DAF46504	20	36,4	96	20 / 25	50 / 55	1	L	8	HW
DAF46505	20	45,2	105	20 / 25	50 / 55	1	R	10	HW
DAF46506	20	45,2	105	20 / 25	50 / 55	1	L	10	HW
DAF46507	20	54	115	20 / 25	50 / 55	1	R	12	HW
DAF46508	20	54	115	20 / 25	50 / 55	1	L	12	HW

A richiesta si eseguono anche altre misure
Other dimension available on request







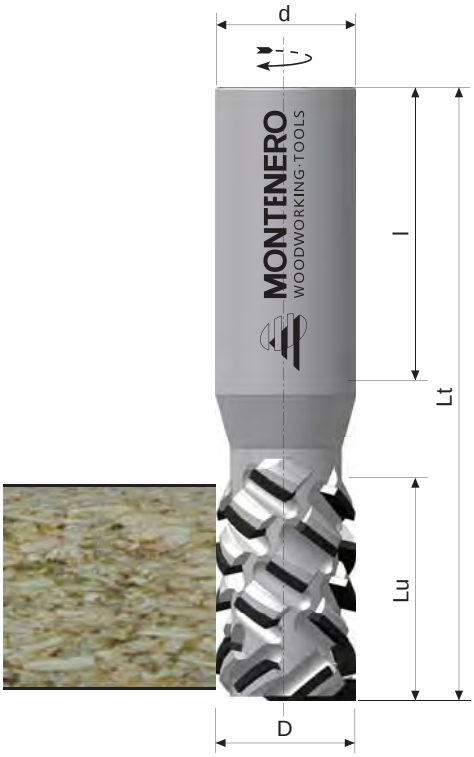


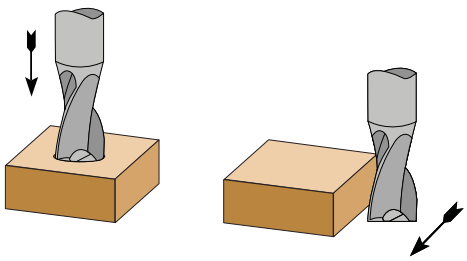
FRESE ELICOIDALI MULTIDENTI Z2 H4 54°
SPECIALE PER L'OTTIMA FINITURA

Special helical multi-cutting router bit Z2 H4 54° for excellent finish
Sonder Spiralförmig-mehrschneidig-schaftfräser Z2 H4 54° für gute feinbearbeitung
Brocas helicoidales multi dientes especiales Z2 H4 54° para excelente acabado

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK **d** *mm*	 **l** *mm*	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	 **h** mm
DAF47501	25	30	95	20 / 25	50 / 55	2	R	18	DP
DAF47502	25	30	95	20 / 25	50 / 55	2	L	18	DP
DAF47503	25	40	105	20 / 25	50 / 55	2	R	24	DP
DAF47504	25	40	105	20 / 25	50 / 55	2	L	24	DP
DAF47505	25	49,5	115	20 / 25	50 / 55	2	R	30	DP
DAF47506	25	49,5	115	20 / 25	50 / 55	2	L	30	DP
DAF47507	25	59	125	20 / 25	50 / 55	2	R	36	DP
DAF47508	25	59	125	20 / 25	50 / 55	2	L	36	DP

A richiesta si eseguono anche altre misure
Other dimension available on request





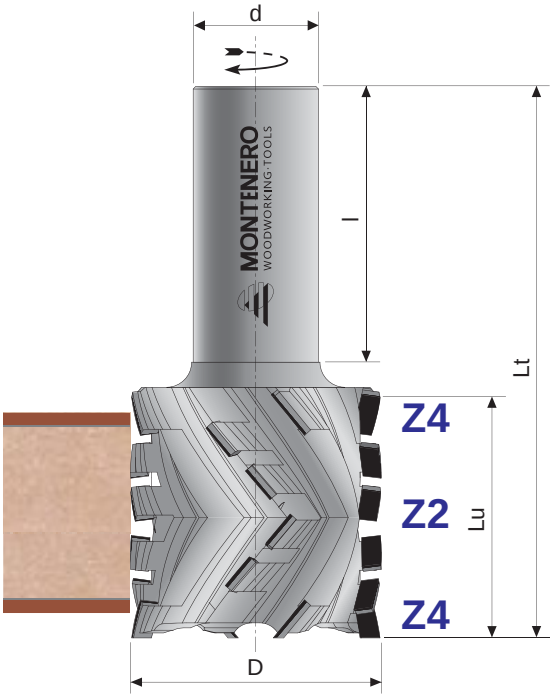


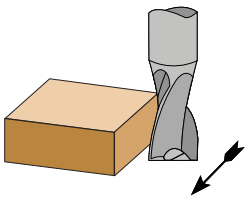
FRESE ELICOIDALI MULTIDENTI Z4+2+4 H4 PER FORTE AVANZAMENTO

Special helical multi-cutting router bit Z4+2+4 H4 for quick feed
Hochsleistungs-Spiralförmig Schaftfräser Z4+2+4 H4
Brocas helicoidales multi dientes especiales Z4+2+4 H4 de alto rendimiento

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	ROTAZ. ROTAT.	PLACCHE - TIPS n°	PLACCHE - TIPS h mm
DAF48001	50	22	85	20 / 25	50 / 55	4+2+4	R	12	DP
DAF48002	50	22	85	20 / 25	50 / 55	4+2+4	L	12	DP
DAF48003	50	30	90	20 / 25	50 / 55	4+2+4	R	16	DP
DAF48004	50	30	90	20 / 25	50 / 55	4+2+4	L	16	DP
DAF48005	50	39	100	20 / 25	50 / 55	4+2+4	R	20	DP
DAF48006	50	39	100	20 / 25	50 / 55	4+2+4	L	20	DP
DAF48007	50	48	110	20 / 25	50 / 55	4+2+4	R	24	DP
DAF48008	50	48	110	20 / 25	50 / 55	4+2+4	L	24	DP

A richiesta si eseguono anche altre misure
Other dimension available on request





FRESE HW INTEGRALI

SOLIDCARBIDE CUTTERS
VOLLHARTMETALL FRÄSER
BROCAS HW INTEGRAL



MONTENERO
WOODWORKING·TOOLS

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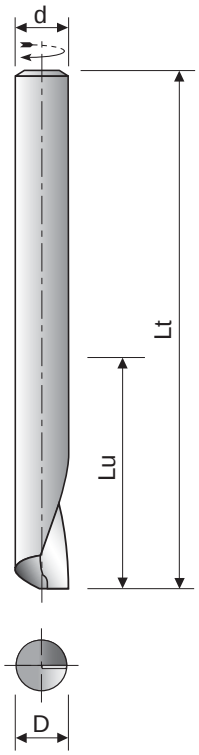
Frese HW elicoidali Z1 HW Helical cutters Z1 • HW-Schlichtfräser Z1 Brocas elicoidales HW Z1	FEZ 010	**95**
Frese HW elicoidali Z2 HW Helical cutters Z2 • HW-Schlichtfräser Z2 Brocas elicoidales HW Z2	FEZ 020	**96**
Frese HW elicoidali Z3 HW Helical cutters Z3 • HW-Schlichtfräser Z3 Brocas elicoidales HW Z3	FEZ 030	**97**
Frese HW elicoidali con rompitruciolo Z3 HW Helical cutters Z3 with chip breaker • HW-Schlichtfräser Z3 mit Spannbrecher Brocas elicoidales HW Z3 con rompevirutas	FERT	**98**
Frese HW elicoidali UP-DOWN HW Helical cutters UP-DOWN • HW-Schlichtfräser UP-DOWN Brocas elicoidales HW UP-DOWN	FEPN	**99**
Frese HW elicoidali per NESTING HW Helical cutters NESTING • HW-Schlichtfräser NESTING Brocas elicoidales HW NESTING	FNHW	**100**
Frese HW elicoidali per serrature HW Helical cutters for lock-set • HW-Schlosskastenfräser Brocas elicoidales HW para cerradura	FEEP	**101**
Frese HW a taglienti dritti lisci HW straight cutters • HW gerade Schlichtfräser Brocas HW de dientes rectos	FLZ 020	**102**

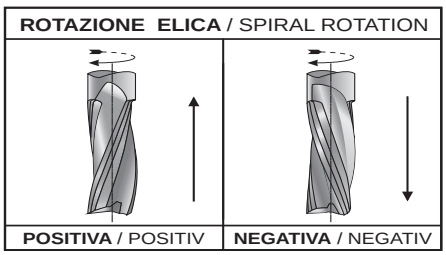


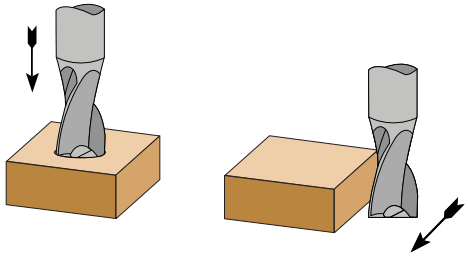
FRESE HW ELICOIDALI Z1

HW Helical cutters Z1
HW-Schlichtfräser Z1
Brocas elicoidales HW Z1

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK d *mm*	Z	ELICA SPIRAL
FEZ01001	3	12	50	3	1	POS.
FEZ01002	3	12	50	3	1	NEG.
FEZ01003	4	12	50	4	1	POS.
FEZ01004	4	12	50	4	1	NEG.
FEZ01005	5	17	50	5	1	POS.
FEZ01006	5	17	50	5	1	NEG.
FEZ01007	6	22	60	6	1	POS.
FEZ01008	6	22	60	6	1	NEG.
FEZ01009	6	27	60	6	1	POS.
FEZ01010	6	27	60	6	1	NEG.
FEZ01011	8	22	70	8	1	POS.
FEZ01012	8	22	70	8	1	NEG.
FEZ01013	8	32	80	8	1	POS.
FEZ01014	8	32	80	8	1	NEG.
FEZ01015	8	42	90	8	1	POS.
FEZ01016	8	42	90	8	1	NEG.
FEZ01017	10	32	80	10	1	POS.
FEZ01018	10	32	80	10	1	NEG.
FEZ01019	10	42	80	10	1	POS.
FEZ01020	10	42	80	10	1	NEG.
FEZ01021	10	52	80	10	1	POS.
FEZ01022	10	52	80	10	1	NEG.
FEZ01023	12	32	80	12	1	POS.
FEZ01024	12	32	80	12	1	NEG.
FEZ01025	12	42	80	12	1	POS.
FEZ01026	12	42	80	12	1	NEG.
FEZ01027	12	52	80	12	1	POS.
FEZ01028	12	52	80	12	1	NEG.





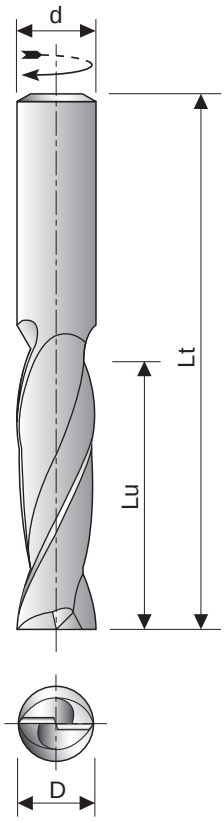


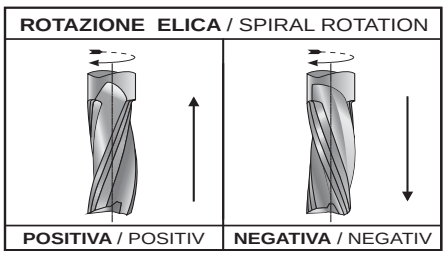


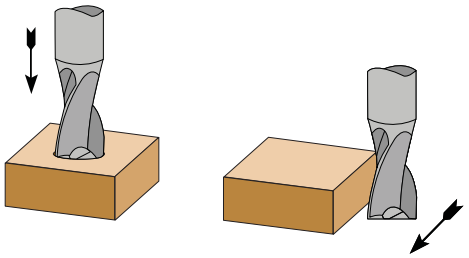
FRESE HW ELICOIDALI Z2

HW Helical cutters Z2
HW-Schlichtfräser Z2
Brocas elicoidales HW Z2

CODICE CODE	D mm	Lu mm	Lt mm	SHANK d mm	Z	ELICA SPIRAL
FEZ02001	3	12	50	3	2	POS.
FEZ02002	3	12	50	3	2	NEG.
FEZ02003	4	12	50	4	2	POS.
FEZ02004	4	12	50	4	2	NEG.
FEZ02005	5	17	50	5	2	POS.
FEZ02006	5	17	50	5	2	NEG.
FEZ02007	6	22	60	6	2	POS.
FEZ02008	6	22	60	6	2	NEG.
FEZ02009	6	27	60	6	2	POS.
FEZ02010	6	27	60	6	2	NEG.
FEZ02011	8	22	70	8	2	POS.
FEZ02012	8	22	70	8	2	NEG.
FEZ02013	8	32	80	8	2	POS.
FEZ02014	8	32	80	8	2	NEG.
FEZ02015	8	42	90	8	2	POS.
FEZ02016	8	42	90	8	2	NEG.
FEZ02017	10	32	80	10	2	POS.
FEZ02018	10	32	80	10	2	NEG.
FEZ02019	10	42	90	10	2	POS.
FEZ02020	10	42	90	10	2	NEG.
FEZ02021	10	52	100	10	2	POS.
FEZ02022	10	52	100	10	2	NEG.
FEZ02023	12	32	80	12	2	POS.
FEZ02024	12	32	80	12	2	NEG.
FEZ02025	12	42	90	12	2	POS.
FEZ02026	12	42	90	12	2	NEG.
FEZ02027	12	52	100	12	2	POS.
FEZ02028	12	52	100	12	2	NEG.
FEZ02029	14	32	80	14	2	POS.
FEZ02030	14	32	80	14	2	NEG.
FEZ02031	14	42	90	14	2	POS.
FEZ02032	14	42	90	14	2	NEG.
FEZ02033	14	52	100	14	2	POS.
FEZ02034	14	52	100	14	2	NEG.
FEZ02035	16	42	90	16	2	POS.
FEZ02036	16	42	90	16	2	NEG.
FEZ02037	16	52	100	16	2	POS.
FEZ02038	16	52	100	16	2	NEG.
FEZ02039	16	72	120	16	2	POS.
FEZ02040	16	72	120	16	2	NEG.







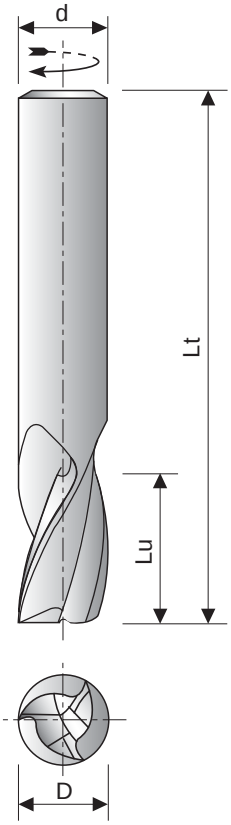
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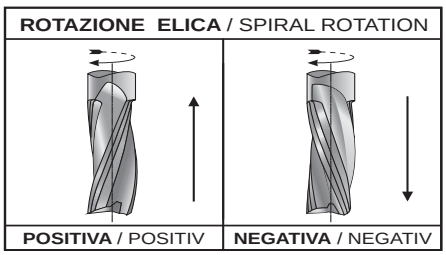


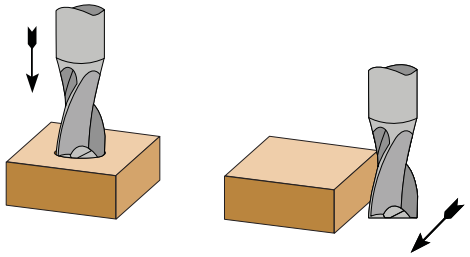
FRESE HW ELICOIDALI Z3

HW Helical cutters Z3
HW-Schlichtfräser Z3
Brocas elicoidales HW Z3

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK d *mm*	Z	ELICA SPIRAL
FEZ03001	8	22	70	8	3	POS.
FEZ03002	8	22	70	8	3	NEG.
FEZ03003	8	32	80	8	3	POS.
FEZ03004	8	32	80	8	3	NEG.
FEZ03005	8	42	90	8	3	POS.
FEZ03006	8	42	90	8	3	NEG.
FEZ03007	10	32	80	10	3	POS.
FEZ03008	10	32	80	10	3	NEG.
FEZ03009	10	42	90	10	3	POS.
FEZ03010	10	42	90	10	3	NEG.
FEZ03011	10	52	100	10	3	POS.
FEZ03012	10	52	100	10	3	NEG.
FEZ03013	12	32	80	12	3	POS.
FEZ03014	12	32	80	12	3	NEG.
FEZ03015	12	42	90	12	3	POS.
FEZ03016	12	42	90	12	3	NEG.
FEZ03017	12	52	100	12	3	POS.
FEZ03018	12	52	100	12	3	NEG.
FEZ03019	14	32	80	14	3	POS.
FEZ03020	14	32	80	14	3	NEG.
FEZ03021	14	42	90	14	3	POS.
FEZ03022	14	42	90	14	3	NEG.
FEZ03023	14	52	100	14	3	POS.
FEZ03024	14	52	100	14	3	NEG.
FEZ03025	16	42	90	16	3	POS.
FEZ03026	16	42	90	16	3	NEG.
FEZ03027	16	52	100	16	3	POS.
FEZ03028	16	52	100	16	3	NEG.
FEZ03029	16	72	120	16	3	POS.
FEZ03030	16	72	120	16	3	NEG.
FEZ03031	18	52	100	18	3	POS.
FEZ03032	18	52	100	18	3	NEG.
FEZ03033	18	72	120	18	3	POS.
FEZ03034	18	72	120	18	3	NEG.
FEZ03035	18	102	150	18	3	POS.
FEZ03036	18	102	150	18	3	NEG.
FEZ03037	20	52	100	20	3	POS.
FEZ03038	20	52	100	20	3	NEG.
FEZ03039	20	72	120	20	3	POS.
FEZ03040	20	72	120	20	3	NEG.
FEZ03041	20	102	150	20	3	POS.
FEZ03042	20	102	150	20	3	NEG.





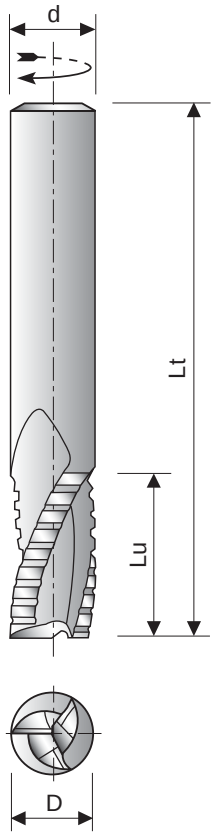


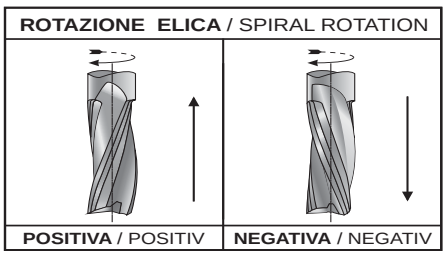


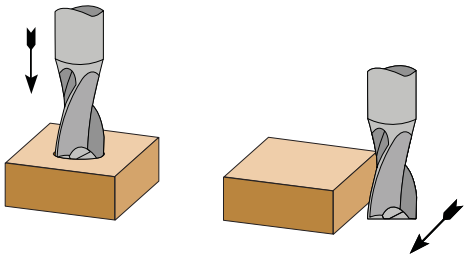
FRESE HW ELICOIDALI CON ROMPITRUCIOLO Z3

HW Helical cutters Z3 with chip breaker
HW-Schlichtfräser Z3 mit Spannbrecher
Brocas elicoidales HW Z3 con rompevirutas

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK d *mm*	Z	ELICA SPIRAL
FERT01	8	22	70	8	3	POS.
FERT02	8	22	70	8	3	NEG.
FERT03	8	32	80	8	3	POS.
FERT04	8	32	80	8	3	NEG.
FERT05	8	42	90	8	3	POS.
FERT06	8	42	90	8	3	NEG.
FERT07	10	32	80	10	3	POS.
FERT08	10	32	80	10	3	NEG.
FERT09	10	42	90	10	3	POS.
FERT10	10	42	90	10	3	NEG.
FERT11	10	52	100	10	3	POS.
FERT12	10	52	100	10	3	NEG.
FERT13	12	32	80	12	3	POS.
FERT14	12	32	80	12	3	NEG.
FERT15	12	42	90	12	3	POS.
FERT16	12	42	90	12	3	NEG.
FERT17	12	52	100	12	3	POS.
FERT18	12	52	100	12	3	NEG.
FERT19	14	32	80	14	3	POS.
FERT20	14	32	80	14	3	NEG.
FERT21	14	42	90	14	3	POS.
FERT22	14	42	90	14	3	NEG.
FERT23	14	52	100	14	3	POS.
FERT24	14	52	100	14	3	NEG.
FERT25	16	42	90	16	3	POS.
FERT26	16	42	90	16	3	NEG.
FERT27	16	52	100	16	3	POS.
FERT28	16	52	100	16	3	NEG.
FERT29	16	72	120	16	3	POS.
FERT30	16	72	120	16	3	NEG.
FERT31	18	52	100	18	3	POS.
FERT32	18	52	100	18	3	NEG.
FERT33	18	72	120	18	3	POS.
FERT34	18	72	120	18	3	NEG.
FERT35	18	102	150	18	3	POS.
FERT36	18	102	150	18	3	NEG.
FERT37	20	52	100	20	3	POS.
FERT38	20	52	100	20	3	NEG.
FERT39	20	72	120	20	3	POS.
FERT40	20	72	120	20	3	NEG.
FERT41	20	102	150	20	3	POS.
FERT42	20	102	150	20	3	NEG.







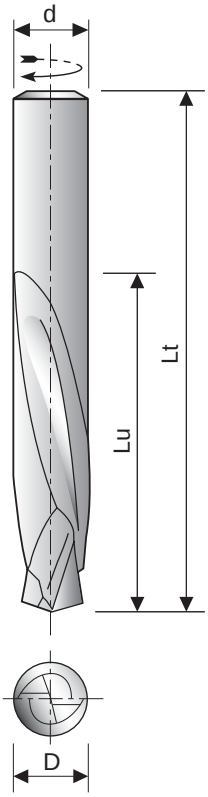
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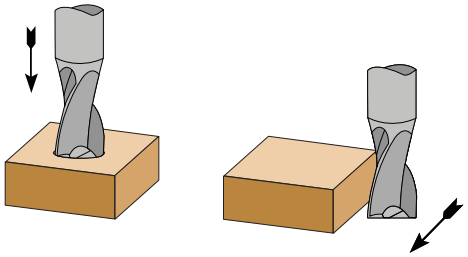


FRESE HW ELICOIDALI UP-DOWN

HW Helical cutters UP-DOWN
HW-Schlichtfräser UP-DOWN
Brocas elicoidales HW UP-DOWN

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK d *mm*	Z	ELICA SPIRAL
FEPN01	8	32	80	8	2+2	POS.+NEG.
FEPN02	10	32	80	10	2+2	POS.+NEG.
FEPN03	12	42	90	12	2+2	POS.+NEG.



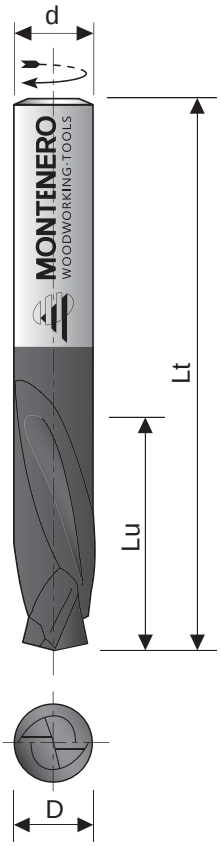


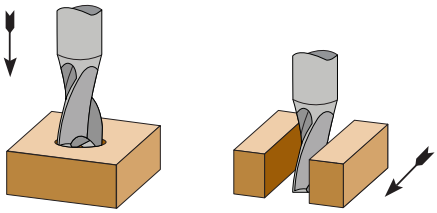


FRESE HW ELICOIDALI PER NESTING

HW Helical cutters NESTING
HW-Schlichtfräser NESTING
Brocas elicoidales NESTING

CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK d *mm*	Z	ELICA SPIRAL
FNHW01	12	30	80	12	2+2	POS.+NEG
FNHW02	12	35	80	12	2+2	POS.+NEG





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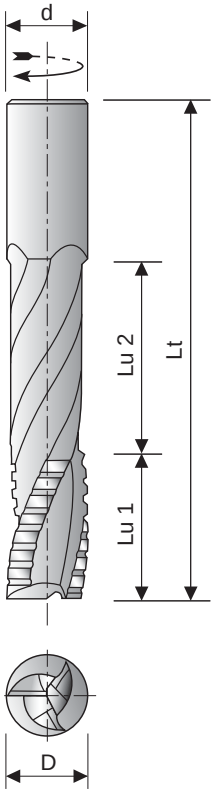
FRESE HW ELICOIDALI PER SERRATURE

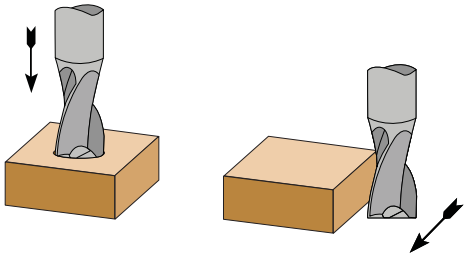
HW Helical cutters for lock-set
HW-Schlosskastenfräser
Brocas elicoidales HW para cerradura

CODICE CODE	D *mm*	Lu 1 *mm*	Lu 2 *mm*	Lt *mm*	SHANK **d** *mm*	Z
FEEP01	14	40	50	140	14 RT	3+3
FEEP02	14	40	50	140	14 LISCE	3+3
FEEP03	16	40	60	150	16 RT	3+3
FEEP04	16	40	60	150	16 LISCE	3+3

RT = con rompitruciolo
with chip breaker
mit Spannbrecher
con rompevirutas

LISCE = senza rompitruciolo
without chip breaker
ohne Spannbrecher
sin rompevirutas



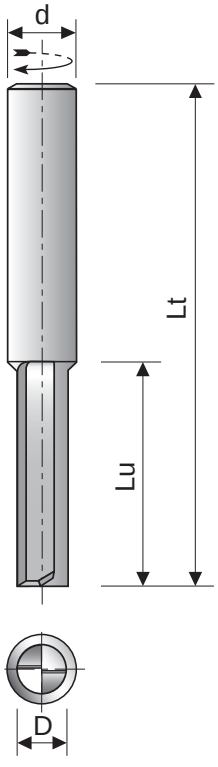


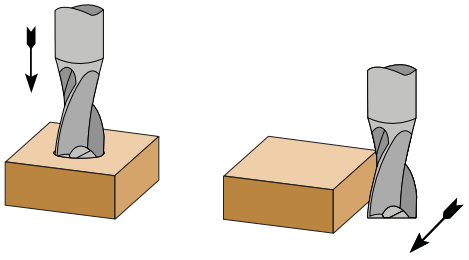


FRESE HW A TAGLIENTI DRITTI LISCI

HW straight cutters
HW gerade Schlichtfräser
Brocas HW de dientes rectos

CODICE CODE	D mm	Lu mm	Lt mm	SHANK d mm	Z
FLZ02001	2	4	50	6	2
FLZ02002	3	10	50	6	2
FLZ02003	4	12	50	6	2
FLZ02004	5	15	50	6	2
FLZ02005	6	20	50	6	2
FLZ02006	6	25	60	6	2
FLZ02007	3	10	40	9,5	2
FLZ02008	4	10	40	9,5	2
FLZ02009	5	12	40	9,5	2
FLZ02010	6	14	45	9,5	2
FLZ02011	7	16	45	9,5	2
FLZ02012	8	18	50	9,5	2
FLZ02013	8	30	60	9,5	2
FLZ02014	9	20	52	9,5	2
FLZ02015	10	22	52	9,5	2
FLZ02016	10	35	70	9,5	2
FLZ02017	12	40	70	12	2





UTENSILI PER FORATRICE

TOOLS FOR BORING MACHINES
WERKZEUGE FÜR BOHRMASCHINEN
HERRAMIENTAS PARA TALADRADORAS



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Single spiral twist drill for deep holes • Eindrallspiralbohrer für tiefe Bohrungen Broca helicoidal de hélice única para taladros profundos		
Mandrino svasatore portapunte	FPH 177	**157**
Countersink chuck for drills • Bohreraufnahme mit Senker Mandril avellanador portabrocas		
Mandrino svasatore portapunte	FPH 178	**158**
Countersink chuck for drills • Bohreraufnahme mit Senker Mandril avellanador portabrocas		



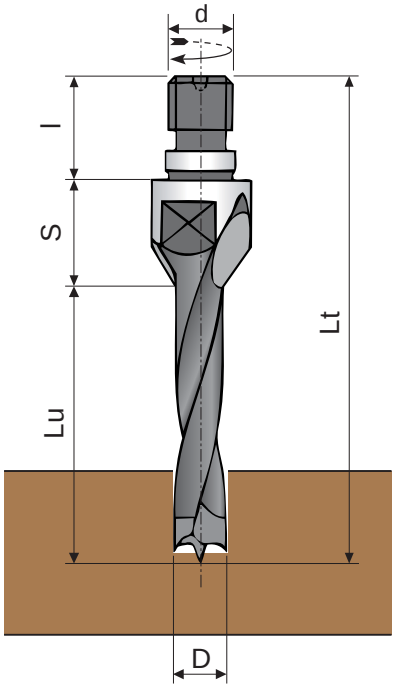
PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Ansenkung
Broca para taladradoras múltiple con avellanador

D *mm*	Lu *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	20	17	53	M10	16	2	**FPH00301**	**FPH00329**
5	30	17	63	M10	16	2	**FPH00302**	**FPH00330**
5	40	17	73	M10	16	2	**FPH00303**	**FPH00331**
5	50	17	83	M10	16	2	**FPH00304**	**FPH00332**
6	20	17	53	M10	16	2	**FPH00305**	**FPH00333**
6	30	17	63	M10	16	2	**FPH00306**	**FPH00334**
6	40	17	73	M10	16	2	**FPH00307**	**FPH00335**
6	50	17	83	M10	16	2	**FPH00308**	**FPH00336**
8	20	17	53	M10	16	2	**FPH00309**	**FPH00337**
8	30	17	63	M10	16	2	**FPH00310**	**FPH00338**
8	40	17	73	M10	16	2	**FPH00311**	**FPH00339**
8	50	17	83	M10	16	2	**FPH00312**	**FPH00340**
10	20	17	53	M10	16	2	**FPH00313**	**FPH00341**
10	30	17	63	M10	16	2	**FPH00314**	**FPH00342**
10	40	17	73	M10	16	2	**FPH00315**	**FPH00343**
10	50	17	83	M10	16	2	**FPH00316**	**FPH00344**
12	20	17	53	M10	16	2	**FPH00317**	**FPH00345**
12	30	17	63	M10	16	2	**FPH00318**	**FPH00346**
12	40	17	73	M10	16	2	**FPH00319**	**FPH00347**
12	50	17	83	M10	16	2	**FPH00320**	**FPH00348**
14	20	17	53	M10	16	2	**FPH00321**	**FPH00349**
14	30	17	63	M10	16	2	**FPH00322**	**FPH00350**
14	40	17	73	M10	16	2	**FPH00323**	**FPH00351**
14	50	17	83	M10	16	2	**FPH00324**	**FPH00352**
16	20	17	53	M10	16	2	**FPH00325**	**FPH00353**
16	30	17	63	M10	16	2	**FPH00326**	**FPH00354**
16	40	17	73	M10	16	2	**FPH00327**	**FPH00355**
16	50	17	83	M10	16	2	**FPH00328**	**FPH00356**

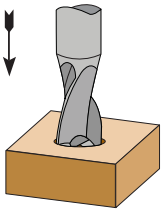
per Macchine:
for machines:

MORBIDELLI
WEEKE
BIESSE



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar





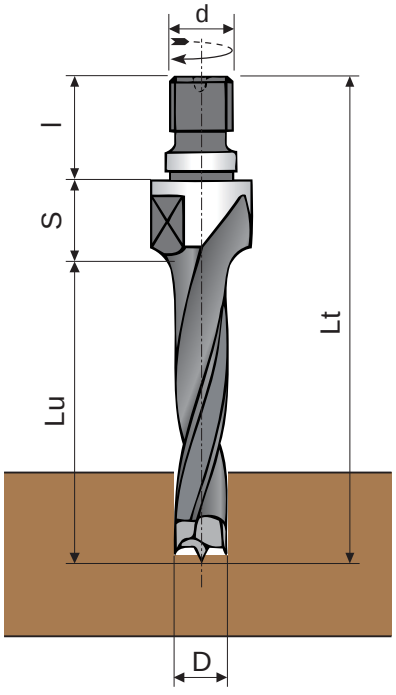
PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink
Dübellochbohrer ohne Ansenkung
Broca para taladradoras múltiple sin avellanador

D *mm*	Lu *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	20	14	50	M10	16	2	**FPH00401**	**FPH00429**
5	30	14	60	M10	16	2	**FPH00402**	**FPH00430**
5	40	14	70	M10	16	2	**FPH00403**	**FPH00431**
5	50	14	80	M10	16	2	**FPH00404**	**FPH00432**
6	20	14	50	M10	16	2	**FPH00405**	**FPH00433**
6	30	14	60	M10	16	2	**FPH00406**	**FPH00434**
6	40	14	70	M10	16	2	**FPH00407**	**FPH00435**
6	50	14	80	M10	16	2	**FPH00408**	**FPH00436**
8	20	14	50	M10	16	2	**FPH00409**	**FPH00437**
8	30	14	60	M10	16	2	**FPH00410**	**FPH00438**
8	40	14	70	M10	16	2	**FPH00411**	**FPH00439**
8	50	14	80	M10	16	2	**FPH00412**	**FPH00440**
10	20	14	50	M10	16	2	**FPH00413**	**FPH00441**
10	30	14	60	M10	16	2	**FPH00414**	**FPH00442**
10	40	14	70	M10	16	2	**FPH00415**	**FPH00443**
10	50	14	80	M10	16	2	**FPH00416**	**FPH00444**
12	20	14	50	M10	16	2	**FPH00417**	**FPH00445**
12	30	14	60	M10	16	2	**FPH00418**	**FPH00446**
12	40	14	70	M10	16	2	**FPH00419**	**FPH00447**
12	50	14	80	M10	16	2	**FPH00420**	**FPH00448**
14	20	14	50	M10	16	2	**FPH00421**	**FPH00449**
14	30	14	60	M10	16	2	**FPH00422**	**FPH00450**
14	40	14	70	M10	16	2	**FPH00423**	**FPH00451**
14	50	14	80	M10	16	2	**FPH00424**	**FPH00452**
16	20	14	50	M10	16	2	**FPH00425**	**FPH00453**
16	30	14	60	M10	16	2	**FPH00426**	**FPH00454**
16	40	14	70	M10	16	2	**FPH00427**	**FPH00455**
16	50	14	80	M10	16	2	**FPH00428**	**FPH00456**

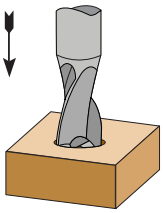
per Macchine:
for machines:

MORBIDELLI
WEEKE
BIESSE



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar





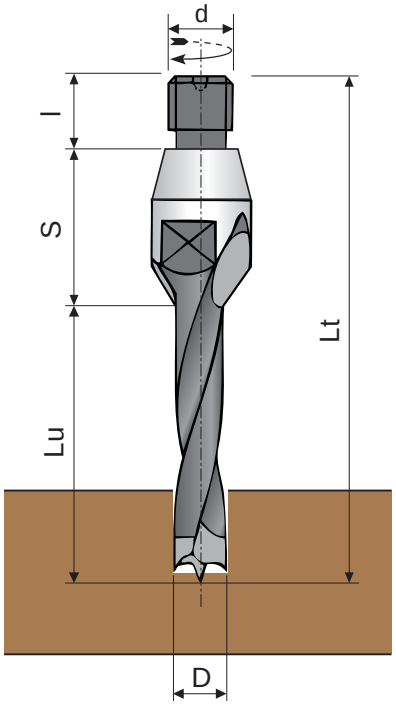
PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Ansenkung
Broca para taladradoras múltiple con avellanador

D mm	Lu mm	S mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	20	27	60	M10	13	2	**FPH01101**	**FPH01129**
5	30	27	70	M10	13	2	**FPH01102**	**FPH01130**
5	40	27	80	M10	13	2	**FPH01103**	**FPH01131**
5	50	27	90	M10	13	2	**FPH01104**	**FPH01132**
6	20	27	60	M10	13	2	**FPH01105**	**FPH01133**
6	30	27	70	M10	13	2	**FPH01106**	**FPH01134**
6	40	27	80	M10	13	2	**FPH01107**	**FPH01135**
6	50	27	90	M10	13	2	**FPH01108**	**FPH01136**
8	20	27	60	M10	13	2	**FPH01109**	**FPH01137**
8	30	27	70	M10	13	2	**FPH01110**	**FPH01138**
8	40	27	80	M10	13	2	**FPH01111**	**FPH01139**
8	50	27	90	M10	13	2	**FPH01112**	**FPH01140**
10	20	27	60	M10	13	2	**FPH01113**	**FPH01141**
10	30	27	70	M10	13	2	**FPH01114**	**FPH01142**
10	40	27	80	M10	13	2	**FPH01115**	**FPH01143**
10	50	27	90	M10	13	2	**FPH01116**	**FPH01144**
12	20	27	60	M10	13	2	**FPH01117**	**FPH01145**
12	30	27	70	M10	13	2	**FPH01118**	**FPH01146**
12	40	27	80	M10	13	2	**FPH01119**	**FPH01147**
12	50	27	90	M10	13	2	**FPH01120**	**FPH01148**
14	20	27	60	M10	13	2	**FPH01121**	**FPH01149**
14	30	27	70	M10	13	2	**FPH01122**	**FPH01150**
14	40	27	80	M10	13	2	**FPH01123**	**FPH01151**
14	50	27	90	M10	13	2	**FPH01124**	**FPH01152**
16	20	27	60	M10	13	2	**FPH01125**	**FPH01153**
16	30	27	70	M10	13	2	**FPH01126**	**FPH01154**
16	40	27	80	M10	13	2	**FPH01127**	**FPH01155**
16	50	27	90	M10	13	2	**FPH01128**	**FPH01156**

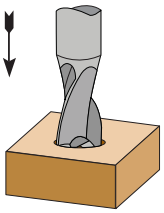
per Macchine:
for machines:

ALBERTI
VITAP
BUSELLATO



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar





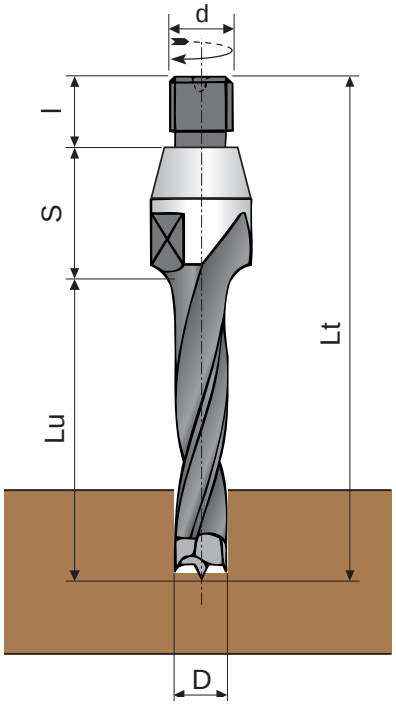
PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink
Dübellochbohrer ohne Ansenkung
Broca Múltiple para taladradoras sin avellanador

D *mm*	Lu *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	20	26	60	M10	13	2	**FPH01201**	**FPH01229**
5	30	26	70	M10	13	2	**FPH01202**	**FPH01230**
5	40	26	80	M10	13	2	**FPH01203**	**FPH01231**
5	50	26	90	M10	13	2	**FPH01204**	**FPH01232**
6	20	26	60	M10	13	2	**FPH01205**	**FPH01233**
6	30	26	70	M10	13	2	**FPH01206**	**FPH01234**
6	40	26	80	M10	13	2	**FPH01207**	**FPH01235**
6	50	26	90	M10	13	2	**FPH01208**	**FPH01236**
8	20	26	60	M10	13	2	**FPH01209**	**FPH01237**
8	30	26	70	M10	13	2	**FPH01210**	**FPH01238**
8	40	26	80	M10	13	2	**FPH01211**	**FPH01239**
8	50	26	90	M10	13	2	**FPH01212**	**FPH01240**
10	20	26	60	M10	13	2	**FPH01213**	**FPH01241**
10	30	26	70	M10	13	2	**FPH01214**	**FPH01242**
10	40	26	80	M10	13	2	**FPH01215**	**FPH01243**
10	50	26	90	M10	13	2	**FPH01216**	**FPH01244**
12	20	26	60	M10	13	2	**FPH01217**	**FPH01245**
12	30	26	70	M10	13	2	**FPH01218**	**FPH01246**
12	40	26	80	M10	13	2	**FPH01219**	**FPH01247**
12	50	26	90	M10	13	2	**FPH01220**	**FPH01248**
14	20	26	60	M10	13	2	**FPH01221**	**FPH01249**
14	30	26	70	M10	13	2	**FPH01222**	**FPH01250**
14	40	26	80	M10	13	2	**FPH01223**	**FPH01251**
14	50	26	90	M10	13	2	**FPH01224**	**FPH01252**
16	20	26	60	M10	13	2	**FPH01225**	**FPH01253**
16	30	26	70	M10	13	2	**FPH01226**	**FPH01254**
16	40	26	80	M10	13	2	**FPH01227**	**FPH01255**
16	50	26	90	M10	13	2	**FPH01228**	**FPH01256**

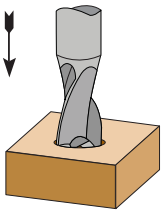
per Macchine:
for machines:

ALBERTI
VITAP
BUSELLATO



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO
WOODWORKING·TOOLS

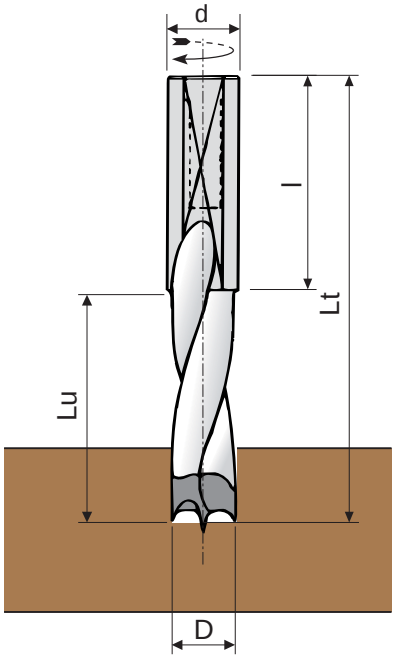


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

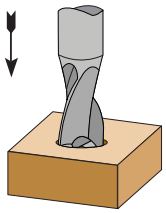
Doweldrill for multiboring machines
Dübellochbohrer
Broca componible para taladradoras múltiple

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
4	30	57,5	10	27	2	**FPH01501**	**FPH01514**
5	30	57,5	10	27	2	**FPH01502**	**FPH01515**
6	30	57,5	10	27	2	**FPH01503**	**FPH01516**
7	30	57,5	10	27	2	**FPH01504**	**FPH01517**
8	30	57,5	10	27	2	**FPH01505**	**FPH01518**
9	30	57,5	10	27	2	**FPH01506**	**FPH01519**
10	30	57,5	10	27	2	**FPH01507**	**FPH01520**
11	30	57,5	10	27	2	**FPH01508**	**FPH01521**
12	30	57,5	10	27	2	**FPH01509**	**FPH01522**
13	30	57,5	10	27	2	**FPH01510**	**FPH01523**
14	30	57,5	10	27	2	**FPH01511**	**FPH01524**
15	30	57,5	10	27	2	**FPH01512**	**FPH01525**
16	30	57,5	10	27	2	**FPH01513**	**FPH01526**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



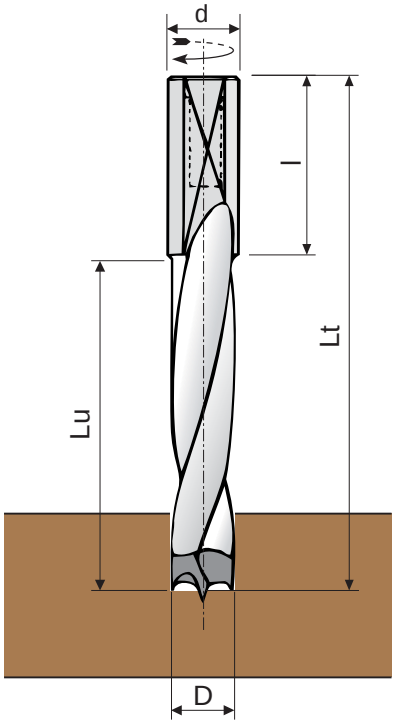


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

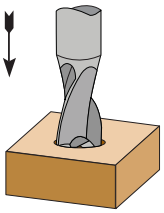
Doweldrill for multiboring machines
Dübellochbohrer
Broca componible para taladradoras múltiple

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
4	40	70	10	30	2	**FPH01601**	**FPH01620**
5	40	70	10	30	2	**FPH01602**	**FPH01621**
6	40	70	10	30	2	**FPH01603**	**FPH01622**
7	40	70	10	30	2	**FPH01604**	**FPH01623**
8	40	70	10	30	2	**FPH01605**	**FPH01624**
9	40	70	10	30	2	**FPH01606**	**FPH01625**
10	40	70	10	30	2	**FPH01607**	**FPH01626**
11	40	70	10	30	2	**FPH01608**	**FPH01627**
12	40	70	10	30	2	**FPH01609**	**FPH01628**
13	40	70	10	30	2	**FPH01610**	**FPH01629**
14	40	70	10	30	2	**FPH01611**	**FPH01630**
15	40	70	10	30	2	**FPH01612**	**FPH01631**
16	40	70	10	30	2	**FPH01613**	**FPH01632**
5	47	77	10	30	2	**FPH01614**	**FPH01633**
6	47	77	10	30	2	**FPH01615**	**FPH01634**
8	47	77	10	30	2	**FPH01616**	**FPH01635**
10	47	77	10	30	2	**FPH01617**	**FPH01636**
12	47	77	10	30	2	**FPH01618**	**FPH01637**
14	47	77	10	30	2	**FPH01619**	**FPH01638**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

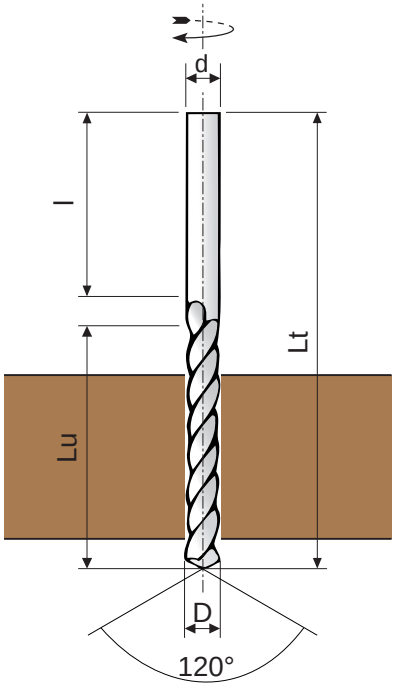


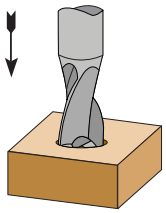
PUNTA INTEGRALE PER PICCOLI FORI

Solid carbide twist drill for small diameterholes
HW Spiralbohrer für kleine Löcher
Broca intergral para pequeños taladros

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK		Z	CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*			
2	22	50	2	28	2	**FPH01701**	**FPH01708**
2,5	25	50	2,5	25	2	**FPH01702**	**FPH01709**
3	25	50	3	25	2	**FPH01703**	**FPH01710**
3,5	25	55	3,5	30	2	**FPH01704**	**FPH01711**
4	25	55	4	30	2	**FPH01705**	**FPH01712**
4,5	25	55	4,5	30	2	**FPH01706**	**FPH01713**
5	30	55	5	25	2	**FPH01707**	**FPH01714**

A richiesta si eseguono anche altre misure
Other dimension available on request





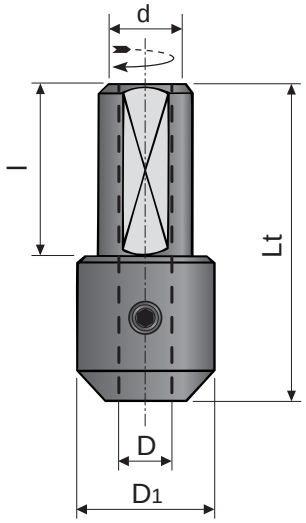


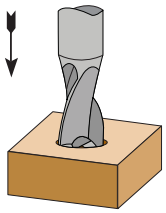
MANDRINO PER PUNTE INTEGRALI

Chuck for solid carbide drills
Reduzierfutter für Vollhartmetallbohrer
Mandril para brocas integrales

D *mm*	D1 *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH
			d *mm*	l *mm*	
2	16	37	10	20	**FPH01801**
2,5	16	37	10	20	**FPH01802**
3	16	37	10	20	**FPH01803**
3,5	16	37	10	20	**FPH01804**
4	16	37	10	20	**FPH01805**
4,5	16	37	10	20	**FPH01806**
5	16	37	10	20	**FPH01807**
5,5	16	37	10	20	**FPH01808**
6	16	37	10	20	**FPH01809**

A richiesta si eseguono anche altre misure
Other dimension available on request





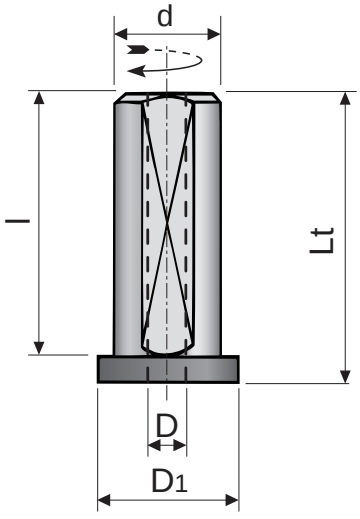


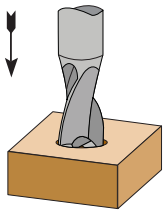
MANDRINO ELASTICO PER PUNTE INTEGRALI

Springchuck for solid carbide drills
Elastiche Schaftaufnahme für Vollhartmetallbohrer
Mandril elástico para brocas integrales

D *mm*	D1 *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH
			d *mm*	l *mm*	
2	12	23	10	20	**FPH01901**
2,5	12	23	10	20	**FPH01902**
3	12	23	10	20	**FPH01903**
3,5	12	23	10	20	**FPH01904**
4	12	23	10	20	**FPH01905**
4,5	12	23	10	20	**FPH01906**
5	12	23	10	20	**FPH01907**
5,5	12	23	10	20	**FPH01908**
6	12	23	10	20	**FPH01909**

A richiesta si eseguono anche altre misure
Other dimension available on request





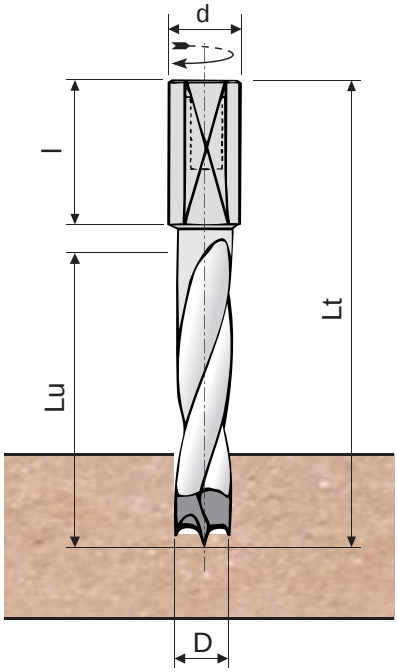


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

Doweldrill for multiboring machines
Dübellochbohrer
Broca componible para taladradoras múltiple

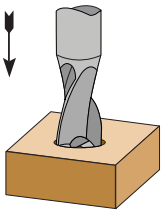
D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
4	30	57,5	10	20	2	**FPH02101**	**FPH02127**
4	43	70	10	20	2	**FPH02102**	**FPH02128**
5	30	57,5	10	20	2	**FPH02103**	**FPH02129**
5	43	70	10	20	2	**FPH02104**	**FPH02130**
6	30	57,5	10	20	2	**FPH02105**	**FPH02131**
6	43	70	10	20	2	**FPH02106**	**FPH02132**
7	30	57,5	10	20	2	**FPH02107**	**FPH02133**
7	43	70	10	20	2	**FPH02108**	**FPH02134**
8	30	57,5	10	20	2	**FPH02109**	**FPH02135**
8	43	70	10	20	2	**FPH02110**	**FPH02136**
9	30	57,5	10	20	2	**FPH02111**	**FPH02137**
9	43	70	10	20	2	**FPH02112**	**FPH02138**
10	30	57,5	10	20	2	**FPH02113**	**FPH02139**
10	43	70	10	20	2	**FPH02114**	**FPH02140**
11	30	57,5	10	20	2	**FPH02115**	**FPH02141**
11	43	70	10	20	2	**FPH02116**	**FPH02142**
12	30	57,5	10	20	2	**FPH02117**	**FPH02143**
12	43	70	10	20	2	**FPH02118**	**FPH02144**
13	30	57,5	10	20	2	**FPH02119**	**FPH02145**
13	43	70	10	20	2	**FPH02120**	**FPH02146**
14	30	57,5	10	20	2	**FPH02121**	**FPH02147**
14	43	70	10	20	2	**FPH02122**	**FPH02148**
15	30	57,5	10	20	2	**FPH02123**	**FPH02149**
15	43	70	10	20	2	**FPH02124**	**FPH02150**
16	30	57,5	10	20	2	**FPH02125**	**FPH02151**
16	43	70	10	20	2	**FPH02126**	**FPH02152**

A richiesta si eseguono anche altre misure
Other dimension available on request



TRUCIOLARE **MDF**
CHIPBOARD MDF

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

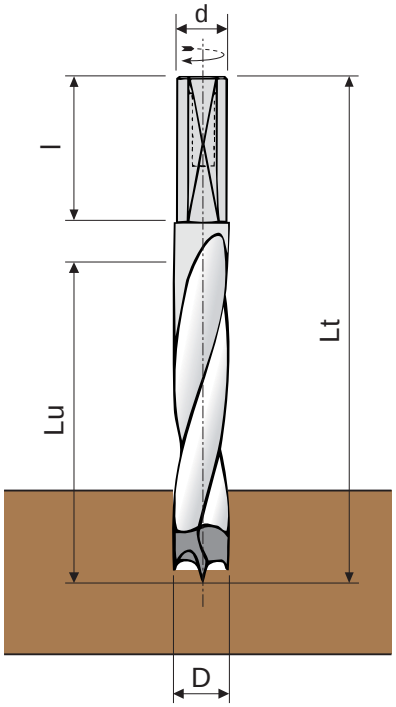


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

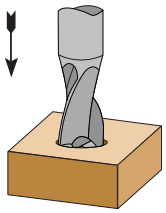
Doweldrill for multiboring machines
Dübellochbohrer
Broca componible para taladradoras múltiple

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	30	55,5	10	20	2	**FPH02201**	**FPH02211**
5	40	67	10	20	2	**FPH02202**	**FPH02212**
6	30	55,5	10	20	2	**FPH02203**	**FPH02213**
6	40	67	10	20	2	**FPH02204**	**FPH02214**
8	30	55,5	10	20	2	**FPH02205**	**FPH02215**
8	40	67	10	20	2	**FPH02206**	**FPH02216**
10	30	55,5	10	20	2	**FPH02207**	**FPH02217**
10	40	67	10	20	2	**FPH02208**	**FPH02218**
12	30	55,5	10	20	2	**FPH02209**	**FPH02219**
12	40	67	10	20	2	**FPH02210**	**FPH02220**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



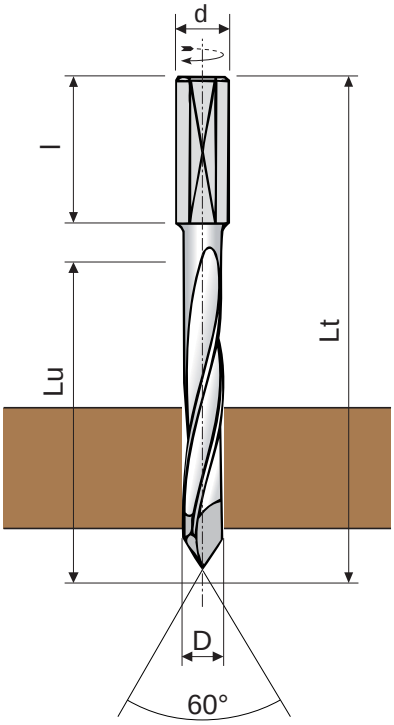


PUNTA COMPONIBILE PER FORATRICI MULTIPLE PER FORI PASSANTI

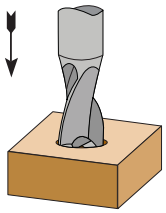
Throughbore doweldrill for multi-boringmachines
Durchgangsbohrer
Broca componible para taladradoras múltiple - Taladros pasantes

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	30	55,5	8	20	2	**FPH02301**	**FPH02311**
5	40	67	8	20	2	**FPH02302**	**FPH02312**
6	30	55,5	8	20	2	**FPH02303**	**FPH02313**
6	40	67	8	20	2	**FPH02304**	**FPH02314**
8	30	55,5	8	20	2	**FPH02305**	**FPH02315**
8	40	67	8	20	2	**FPH02306**	**FPH02316**
10	30	55,5	8	20	2	**FPH02307**	**FPH02317**
10	40	67	8	20	2	**FPH02308**	**FPH02318**
12	30	55,5	8	20	2	**FPH02309**	**FPH02319**
12	40	67	8	20	2	**FPH02310**	**FPH02320**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO
WOODWORKING·TOOLS

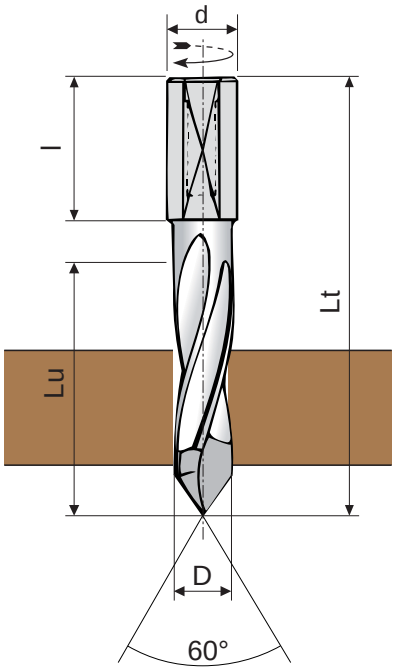


PUNTA COMPONIBILE PER FORATRICI MULTIPLE PER FORI PASSANTI

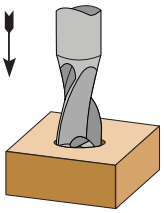
Throughbore doweldrill for multi-boringmachines
Durchgangsbohrer
Broca componible para taladradoras múltiple - Taladros pasantes

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	27	57,5	10	20	2	**FPH02401**	**FPH02411**
5	35	70	10	20	2	**FPH02402**	**FPH02412**
6	27	57,5	10	20	2	**FPH02403**	**FPH02413**
6	35	70	10	20	2	**FPH02404**	**FPH02414**
8	27	57,5	10	20	2	**FPH02405**	**FPH02415**
8	35	70	10	20	2	**FPH02406**	**FPH02416**
10	27	57,5	10	20	2	**FPH02407**	**FPH02417**
10	35	70	10	20	2	**FPH02408**	**FPH02418**
12	27	57,5	10	20	2	**FPH02409**	**FPH02419**
12	35	70	10	20	2	**FPH02410**	**FPH02420**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



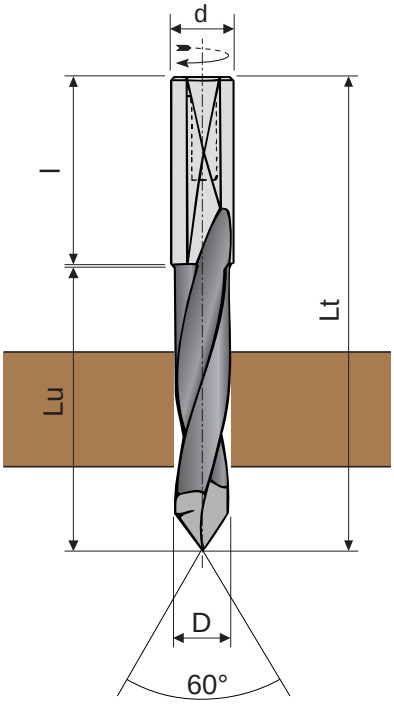


PUNTA COMPONIBILE PER FORATRICI MULTIPLE PER FORI PASSANTI

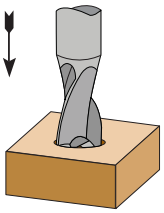
Throughbore doweldrill for multi-boringmachines
Durchgangsbohrer
Broca componible para taladradoras múltiple - Taladros pasantes

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	27	57,5	10	24	2	**FPH02501**	**FPH02511**
5	35	70	10	24	2	**FPH02502**	**FPH02512**
6	27	57,5	10	24	2	**FPH02503**	**FPH02513**
6	35	70	10	24	2	**FPH02504**	**FPH02514**
8	27	57,5	10	24	2	**FPH02505**	**FPH02515**
8	35	70	10	24	2	**FPH02506**	**FPH02516**
10	27	57,5	10	24	2	**FPH02507**	**FPH02517**
10	35	70	10	24	2	**FPH02508**	**FPH02518**
12	27	57,5	10	24	2	**FPH02509**	**FPH02519**
12	35	70	10	24	2	**FPH02510**	**FPH02520**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

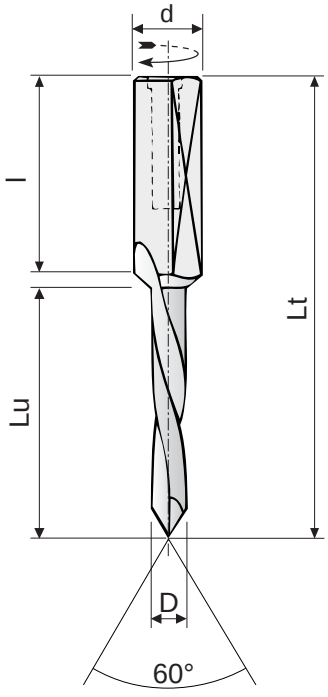


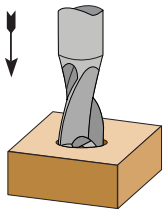
PUNTA COMPONIBILE IN WIDIA INTEGRALE PER FORI PASSANTI

Solid carbide throughbore drill
VHW Durchgangsbohrer
Broca componible de widia integral para taladros pasantes

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
3	27	57,5	10	24	2	**FPH02601**	**FPH02612**
4	27	57,5	10	24	2	**FPH02602**	**FPH02613**
5	27	57,5	10	24	2	**FPH02603**	**FPH02614**
6	27	57,5	10	24	2	**FPH02604**	**FPH02615**
8	27	57,5	10	24	2	**FPH02605**	**FPH02616**
10	27	57,5	10	24	2	**FPH02606**	**FPH02617**
4	35	70	10	24	2	**FPH02607**	**FPH02618**
5	35	70	10	24	2	**FPH02608**	**FPH02619**
6	35	70	10	24	2	**FPH02609**	**FPH02620**
8	35	70	10	24	2	**FPH02610**	**FPH02621**
10	35	70	10	24	2	**FPH02611**	**FPH02622**

A richiesta si eseguono anche altre misure
Other dimension available on request





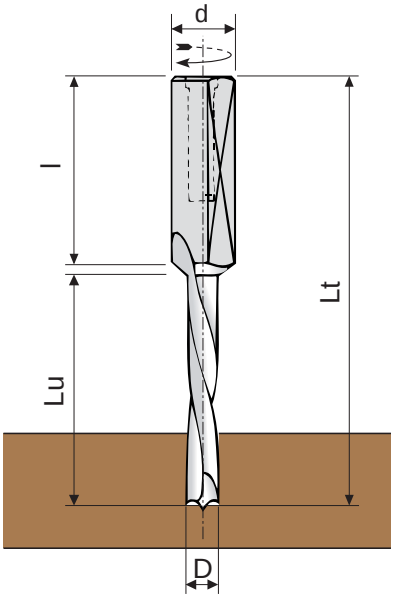


PUNTA COMPONIBILE IN WIDIA INTEGRALE

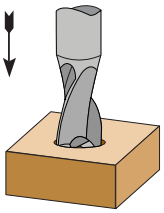
Solid carbide doweldrill
VHW - Dübelbohrer
Broca componibile de widia integral

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
3	27	57,5	10	22	2	**FPH027A01**	**FPH027A12**
4	27	57,5	10	22	2	**FPH027A02**	**FPH027A13**
5	27	57,5	10	22	2	**FPH027A03**	**FPH027A14**
6	27	57,5	10	22	2	**FPH027A04**	**FPH027A15**
8	27	57,5	10	22	2	**FPH027A05**	**FPH027A16**
10	27	57,5	10	22	2	**FPH027A06**	**FPH027A17**
4	35	70	10	22	2	**FPH027A07**	**FPH027A18**
5	35	70	10	22	2	**FPH027A08**	**FPH027A19**
6	35	70	10	22	2	**FPH027A09**	**FPH027A20**
8	35	70	10	22	2	**FPH027A10**	**FPH027A21**
10	35	70	10	22	2	**FPH027A11**	**FPH027A22**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



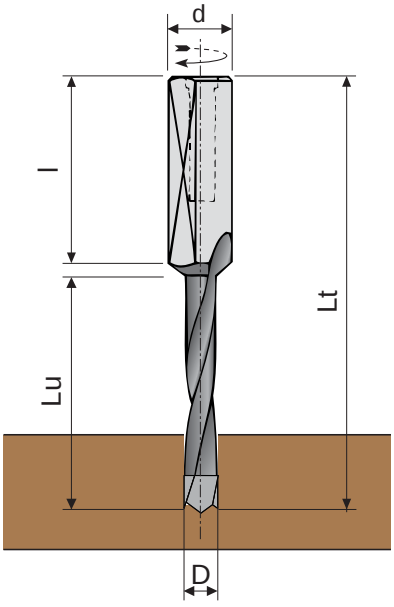


PUNTA COMPONIBILE IN WIDIA INTEGRALE

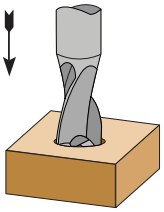
Solid carbide doweldrill
VHW - Dübelbohrer
Broca componibile de widia integral

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
3	27	57,5	10	22	2	**FPH027B01**	**FPH027B12**
4	27	57,5	10	22	2	**FPH027B02**	**FPH027B13**
5	27	57,5	10	22	2	**FPH027B03**	**FPH027B14**
6	27	57,5	10	22	2	**FPH027B04**	**FPH027B15**
8	27	57,5	10	22	2	**FPH027B05**	**FPH027B16**
10	27	57,5	10	22	2	**FPH027B06**	**FPH027B17**
4	35	70	10	22	2	**FPH027B07**	**FPH027B18**
5	35	70	10	22	2	**FPH027B08**	**FPH027B19**
6	35	70	10	22	2	**FPH027B09**	**FPH027B20**
8	35	70	10	22	2	**FPH027B10**	**FPH027B21**
10	35	70	10	22	2	**FPH027B11**	**FPH027B22**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



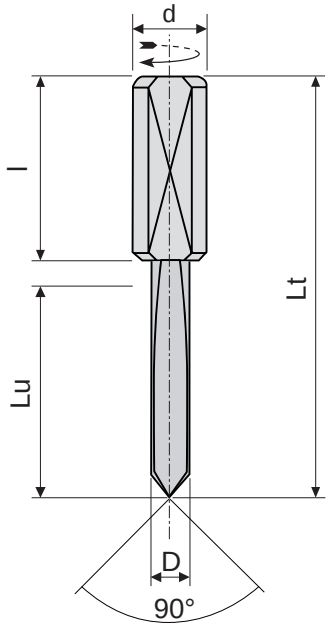


PUNTA COMPONIBILE IN WIDIA INTEGRALE AMBIDESTRA

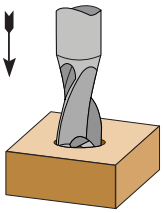
Solid carbide doweldrill usable for RH or LH rotation
VHW Bohrstift rechts und links laufend
Broca componibile de widia integral con rotación ambidiestra

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH
			d *mm*	l *mm*	
3	12	57,5	10	24	**FPH02801**
4	12	57,5	10	24	**FPH02802**
5	27	57,5	10	24	**FPH02803**
6	27	57,5	10	24	**FPH02804**
8	27	57,5	10	24	**FPH02805**
5	43	70	10	24	**FPH02806**
6	43	70	10	24	**FPH02807**
8	43	70	10	24	**FPH02808**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



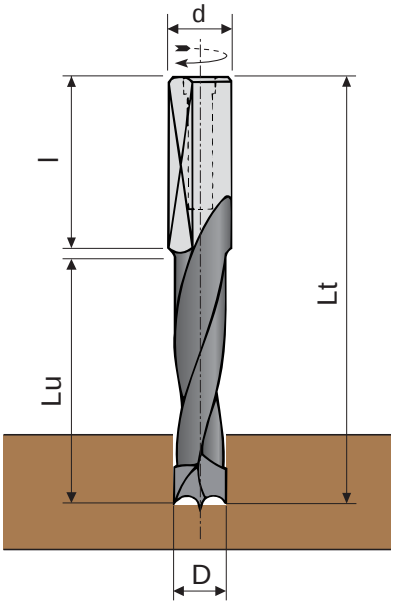


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

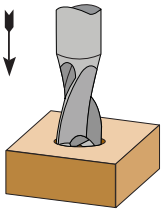
Doweldrill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiple

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	45	85	10	30	2	**FPH02901**	**FPH02911**
5	65	115	10	30	2	**FPH02902**	**FPH02912**
6	45	85	10	30	2	**FPH02903**	**FPH02913**
6	65	115	10	30	2	**FPH02904**	**FPH02914**
8	45	85	10	30	2	**FPH02905**	**FPH02915**
8	65	115	10	30	2	**FPH02906**	**FPH02916**
10	45	85	10	30	2	**FPH02907**	**FPH02917**
10	65	115	10	30	2	**FPH02908**	**FPH02918**
12	45	85	10	30	2	**FPH02909**	**FPH02919**
12	65	115	10	30	2	**FPH02910**	**FPH02920**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



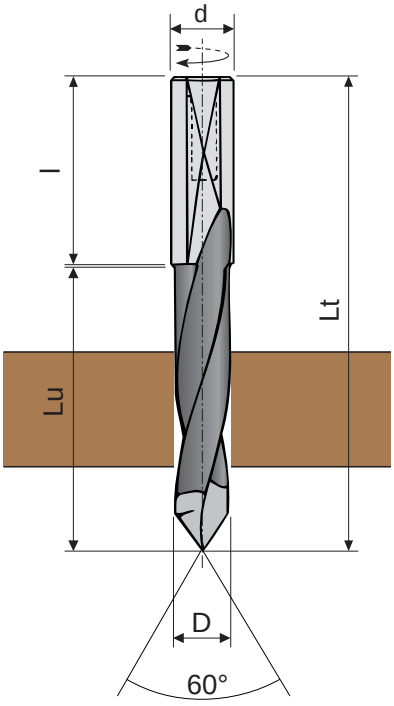


PUNTA COMPONIBILE PER FORATRICI MULTIPLE

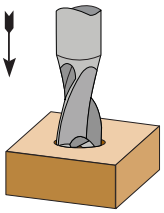
Doweldrill for multiboring machines
Dübellochbohrer
Broca componibile múltiple para taladradoras

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	45	85	10	30	2	**FPH029P01**	**FPH029P11**
5	65	115	10	30	2	**FPH029P02**	**FPH029P12**
6	45	85	10	30	2	**FPH029P03**	**FPH029P13**
6	65	115	10	30	2	**FPH029P04**	**FPH029P14**
8	45	85	10	30	2	**FPH029P05**	**FPH029P15**
8	65	115	10	30	2	**FPH029P06**	**FPH029P16**
10	45	85	10	30	2	**FPH029P07**	**FPH029P17**
10	65	115	10	30	2	**FPH029P08**	**FPH029P18**
12	45	85	10	30	2	**FPH029P09**	**FPH029P19**
12	65	115	10	30	2	**FPH029P10**	**FPH029P20**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

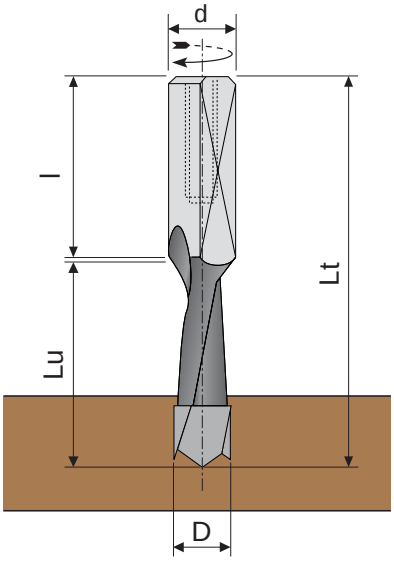


PUNTA COMPONIBILE IN WIDIA “DUROX” AFFILATURA SPECIALE

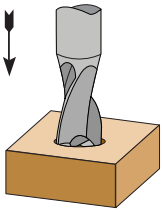
DUROX - HW Doweldrill - Special sharpening
DUROX - HW Dübellochbohrer - Sonder Schärfung
Broca componibile de Widia “DUROX” - Afilado Especial

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	33	57,5	10	27	2	**FPHLAS01**	**FPHLAS11**
6	33	57,5	10	27	2	**FPHLAS02**	**FPHLAS12**
8	33	57,5	10	27	2	**FPHLAS03**	**FPHLAS13**
10	33	57,5	10	27	2	**FPHLAS04**	**FPHLAS14**
12	33	57,5	10	27	2	**FPHLAS05**	**FPHLAS15**
5	35	70	10	30	2	**FPHLAS06**	**FPHLAS16**
6	35	70	10	30	2	**FPHLAS07**	**FPHLAS17**
8	35	70	10	30	2	**FPHLAS08**	**FPHLAS18**
10	35	70	10	30	2	**FPHLAS09**	**FPHLAS19**
12	35	70	10	30	2	**FPHLAS10**	**FPHLAS20**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



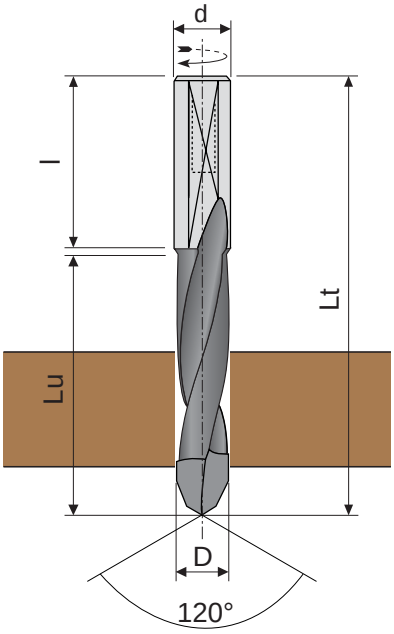


PUNTA COMPONIBILE IN WIDIA “DUROX”
AFFILATURA SPECIALE - PASSANTE

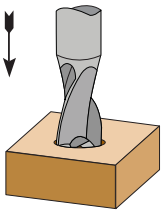
DUROX - HW Throughbore drill - Special sharpening
DUROX - HW Durchgangsbohrer - Sonder Schärfung
Broca componibile de Widia “DUROX” - Afilado Especial - pasante

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	33	57,5	10	24	2	**FPHLASP01**	**FPHLASP11**
6	33	57,5	10	24	2	**FPHLASP02**	**FPHLASP12**
8	33	57,5	10	24	2	**FPHLASP03**	**FPHLASP13**
10	33	57,5	10	24	2	**FPHLASP04**	**FPHLASP14**
12	33	57,5	10	24	2	**FPHLASP05**	**FPHLASP15**
5	35	70	10	24	2	**FPHLASP06**	**FPHLASP16**
6	35	70	10	24	2	**FPHLASP07**	**FPHLASP17**
8	35	70	10	24	2	**FPHLASP08**	**FPHLASP18**
10	35	70	10	24	2	**FPHLASP09**	**FPHLASP19**
12	35	70	10	24	2	**FPHLASP10**	**FPHLASP20**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO
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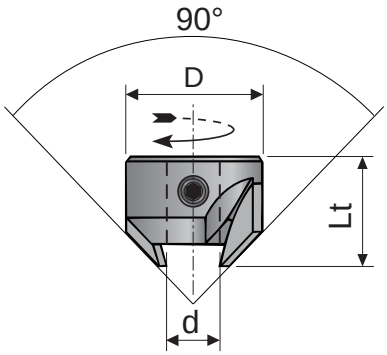
SVASATORE PER PUNTE COMPONIBILI

Countersink for dowel drills
Aufsteckversenker für Dübellochbohrer
Avellanador para brocas componibles

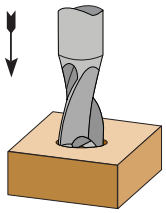


d *mm*	D *mm*	Lt *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
4	16	16,5	2	**FPH03101**	**FPH03109**
5	16	16,5	2	**FPH03102**	**FPH03110**
6	16	16,5	2	**FPH03103**	**FPH03111**
7	16	16,5	2	**FPH03104**	**FPH03112**
8	16	16,5	2	**FPH03105**	**FPH03113**
9	20	16,5	2	**FPH03106**	**FPH03114**
10	20	16,5	2	**FPH03107**	**FPH03115**
12	20	16,5	2	**FPH03108**	**FPH03116**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



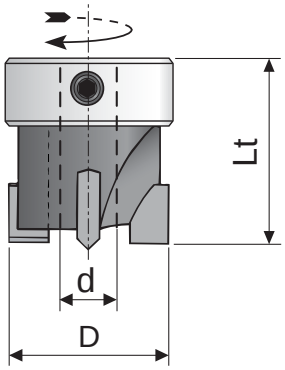


SVASATORE PER PUNTE COMPONIBILI

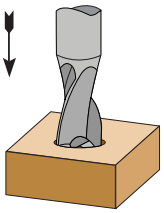
Countersink for dowel drills
Aufsteckversenker für dübellochbohrer
Avellanador para brocas componibles

d *mm*	D *mm*	S *mm*	Z *mm*	R *mm*	CODICE DX CODE RH	CODICE SX CODE LH
4	*	25	2	2	**FPH03301**	**FPH03307**
5	*	25	2	2	**FPH03302**	**FPH03308**
6	*	25	2	2	**FPH03303**	**FPH03309**
8	*	25	2	2	**FPH03304**	**FPH03310**
10	*	25	2	2	**FPH03305**	**FPH03311**
12	*	25	2	2	**FPH03306**	**FPH03312**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



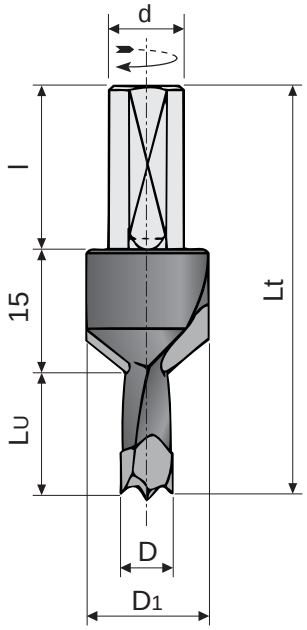
MONTENERO WOODWORKING·TOOLS

PUNTA SVASATORE PER FORATRICI MULTIPLE

Doweldrill with countersink
Stufensenker
Broca avellanador para taladradoras múltiple

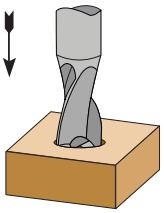


D mm	D1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	16	10	57	10	32	2	**FPH03501**	**FPH03531**
5	16	13	57	10	29	2	**FPH03502**	**FPH03532**
5	16	15	57	10	27	2	**FPH03503**	**FPH03533**
5	16	18	57	10	24	2	**FPH03504**	**FPH03534**
5	16	20	57	10	22	2	**FPH03505**	**FPH03535**
6	16	10	57	10	32	2	**FPH03506**	**FPH03536**
6	16	13	57	10	29	2	**FPH03507**	**FPH03537**
6	16	15	57	10	27	2	**FPH03508**	**FPH03538**
6	16	18	57	10	24	2	**FPH03509**	**FPH03539**
6	16	20	57	10	22	2	**FPH03510**	**FPH03540**
8	16	10	57	10	32	2	**FPH03511**	**FPH03541**
8	16	13	57	10	29	2	**FPH03512**	**FPH03542**
8	16	15	57	10	27	2	**FPH03513**	**FPH03543**
8	16	18	57	10	24	2	**FPH03514**	**FPH03544**
8	16	20	57	10	22	2	**FPH03515**	**FPH03545**
10	16	10	57	10	32	2	**FPH03516**	**FPH03546**
10	16	13	57	10	29	2	**FPH03517**	**FPH03547**
10	16	15	57	10	27	2	**FPH03518**	**FPH03548**
10	16	18	57	10	24	2	**FPH03519**	**FPH03549**
10	16	20	57	10	22	2	**FPH03520**	**FPH03550**
12	16	10	57	10	32	2	**FPH03521**	**FPH03551**
12	16	13	57	10	29	2	**FPH03522**	**FPH03552**
12	16	15	57	10	27	2	**FPH03523**	**FPH03553**
12	16	18	57	10	24	2	**FPH03524**	**FPH03554**
12	16	20	57	10	22	2	**FPH03525**	**FPH03555**
14	16	10	57	10	32	2	**FPH03526**	**FPH03556**
14	16	13	57	10	29	2	**FPH03527**	**FPH03557**
14	16	15	57	10	27	2	**FPH03528**	**FPH03558**
14	16	18	57	10	24	2	**FPH03529**	**FPH03559**
14	16	20	57	10	21	2	**FPH03530**	**FPH03560**



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

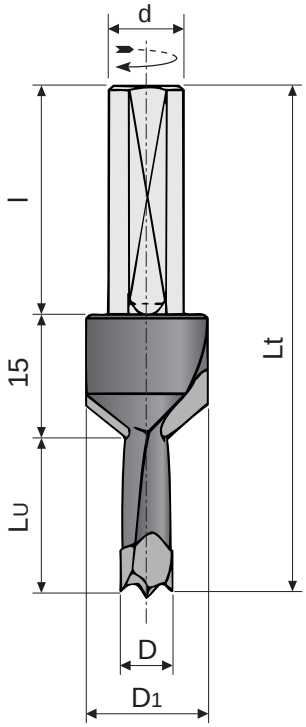




PUNTA SVASATORE PER FORATRICI MULTIPLE

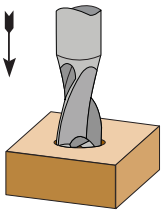
Doweldrill with countersink
Stufensenker
Broca avellanador para taladradoras múltiple

D mm	D1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	16	13	70	10	42	2	FPH357001	FPH357031
5	16	20	70	10	35	2	FPH357002	FPH357032
5	16	25	70	10	30	2	FPH357003	FPH357033
5	16	30	70	10	25	2	FPH357004	FPH357034
6	16	13	70	10	42	2	FPH357005	FPH357035
6	16	20	70	10	35	2	FPH357006	FPH357036
6	16	25	70	10	30	2	FPH357007	FPH357037
6	16	30	70	10	25	2	FPH357008	FPH357038
8	16	13	70	10	42	2	FPH357009	FPH357039
8	16	20	70	10	35	2	FPH357010	FPH357040
8	16	25	70	10	30	2	FPH357011	FPH357041
8	16	30	70	10	25	2	FPH357012	FPH357042
10	16	13	70	10	42	2	FPH357013	FPH357043
10	16	20	70	10	35	2	FPH357014	FPH357044
10	16	25	70	10	30	2	FPH357015	FPH357045
10	16	30	70	10	25	2	FPH357016	FPH357046
12	16	13	70	10	42	2	FPH357017	FPH357047
12	16	20	70	10	35	2	FPH357018	FPH357048
12	16	25	70	10	30	2	FPH357019	FPH357049
12	16	30	70	10	25	2	FPH357020	FPH357050
14	16	13	70	10	42	2	FPH357021	FPH357051
14	16	20	70	10	35	2	FPH357022	FPH357052
14	16	25	70	10	30	2	FPH357023	FPH357053
14	16	30	70	10	25	2	FPH357024	FPH357054
16	16	13	70	10	42	2	FPH357025	FPH357055
16	16	20	70	10	35	2	FPH357026	FPH357056
16	16	25	70	10	30	2	FPH357027	FPH357057
16	16	30	70	10	24	2	FPH357028	FPH357058



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



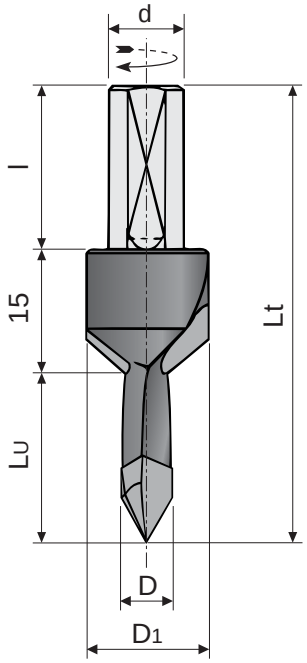
MONTENERO WOODWORKING·TOOLS



PUNTA SVASATORE PER FORATRICI MULTIPLE

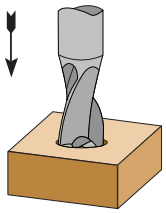
Throughbore doweldrill with countersink
Stufensenker
Broca avellanador para taladradoras múltiple

D mm	D1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	16	10	57	10	32	2	FPH035P01	FPH035P31
5	16	13	57	10	29	2	FPH035P02	FPH035P32
5	16	15	57	10	27	2	FPH035P03	FPH035P33
5	16	18	57	10	24	2	FPH035P04	FPH035P34
5	16	20	57	10	22	2	FPH035P05	FPH035P35
6	16	10	57	10	32	2	FPH035P06	FPH035P36
6	16	13	57	10	29	2	FPH035P07	FPH035P37
6	16	15	57	10	27	2	FPH035P08	FPH035P38
6	16	18	57	10	24	2	FPH035P09	FPH035P39
6	16	20	57	10	22	2	FPH035P10	FPH035P40
8	16	10	57	10	32	2	FPH035P11	FPH035P41
8	16	13	57	10	29	2	FPH035P12	FPH035P42
8	16	15	57	10	27	2	FPH035P13	FPH035P43
8	16	18	57	10	24	2	FPH035P14	FPH035P44
8	16	20	57	10	22	2	FPH035P15	FPH035P45
10	16	10	57	10	32	2	FPH035P16	FPH035P46
10	16	13	57	10	29	2	FPH035P17	FPH035P47
10	16	15	57	10	27	2	FPH035P18	FPH035P48
10	16	18	57	10	24	2	FPH035P19	FPH035P49
10	16	20	57	10	22	2	FPH035P20	FPH035P50
12	16	10	57	10	32	2	FPH035P21	FPH035P51
12	16	13	57	10	29	2	FPH035P22	FPH035P52
12	16	15	57	10	27	2	FPH035P23	FPH035P53
12	16	18	57	10	24	2	FPH035P24	FPH035P54
12	16	20	57	10	22	2	FPH035P25	FPH035P55
14	16	10	57	10	32	2	FPH035P26	FPH035P56
14	16	13	57	10	29	2	FPH035P27	FPH035P57
14	16	15	57	10	27	2	FPH035P28	FPH035P58
14	16	18	57	10	24	2	FPH035P29	FPH035P59
14	16	20	57	10	21	2	FPH035P30	FPH035P60



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

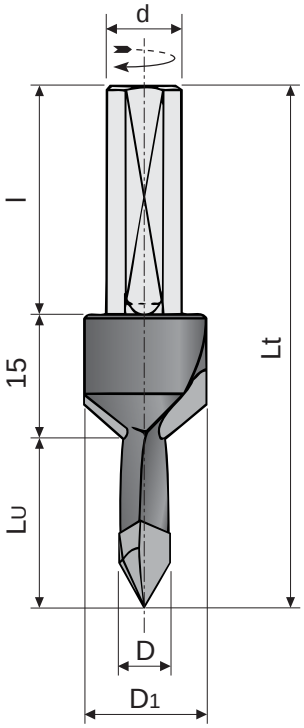




PUNTA SVASATORE PER FORATRICI MULTIPLE

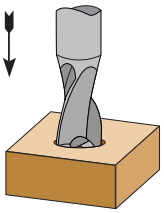
Throughbore doweldrill with countersink
Stufensenker
Broca avellanador para taladradoras múltiple

D mm	D1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	CODICE DX CODE RH	CODICE SX CODE LH
5	16	13	70	10	42	2	**FPH35P7001**	**FPH35P7031**
5	16	20	70	10	35	2	**FPH35P7002**	**FPH35P7032**
5	16	25	70	10	30	2	**FPH35P7003**	**FPH35P7033**
5	16	30	70	10	25	2	**FPH35P7004**	**FPH35P7034**
6	16	13	70	10	42	2	**FPH35P7005**	**FPH35P7035**
6	16	20	70	10	35	2	**FPH35P7006**	**FPH35P7036**
6	16	25	70	10	30	2	**FPH35P7007**	**FPH35P7037**
6	16	30	70	10	25	2	**FPH35P7008**	**FPH35P7038**
8	16	13	70	10	42	2	**FPH35P7009**	**FPH35P7039**
8	16	20	70	10	35	2	**FPH35P7010**	**FPH35P7040**
8	16	25	70	10	30	2	**FPH35P7011**	**FPH35P7041**
8	16	30	70	10	25	2	**FPH35P7012**	**FPH35P7042**
10	16	13	70	10	42	2	**FPH35P7013**	**FPH35P7043**
10	16	20	70	10	35	2	**FPH35P7014**	**FPH35P7044**
10	16	25	70	10	30	2	**FPH35P7015**	**FPH35P7045**
10	16	30	70	10	25	2	**FPH35P7016**	**FPH35P7046**
12	16	13	70	10	42	2	**FPH35P7017**	**FPH35P7047**
12	16	20	70	10	35	2	**FPH35P7018**	**FPH35P7048**
12	16	25	70	10	30	2	**FPH35P7019**	**FPH35P7049**
12	16	30	70	10	25	2	**FPH35P7020**	**FPH35P7050**
14	16	13	70	10	42	2	**FPH35P7021**	**FPH35P7051**
14	16	20	70	10	35	2	**FPH35P7022**	**FPH35P7052**
14	16	25	70	10	30	2	**FPH35P7023**	**FPH35P7053**
14	16	30	70	10	25	2	**FPH35P7024**	**FPH35P7054**
16	16	13	70	10	42	2	**FPH35P7025**	**FPH35P7055**
16	16	20	70	10	35	2	**FPH35P7026**	**FPH35P7056**
16	16	25	70	10	30	2	**FPH35P7027**	**FPH35P7057**
16	16	30	70	10	24	2	**FPH35P7028**	**FPH35P7058**



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

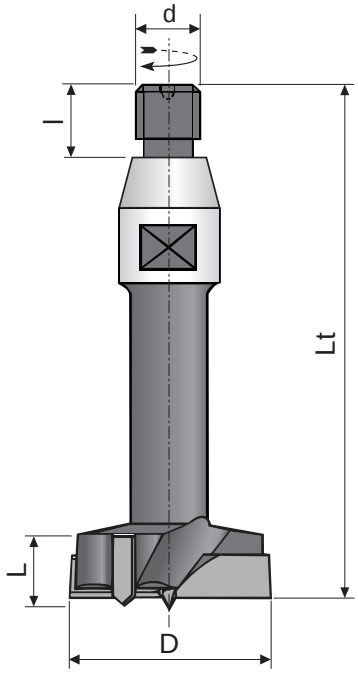


PUNTA PER FORI DI PRECISIONE

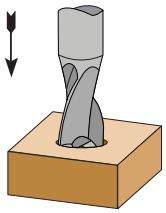
Cilinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
20	13	82	M10	13	2	2	**FPH03701**	**FPH03707**
25	13	82	M10	13	2	2	**FPH03702**	**FPH03708**
26	13	82	M10	13	2	2	**FPH03703**	**FPH03709**
30	13	82	M10	13	2	2	**FPH03704**	**FPH03710**
35	13	82	M10	13	2	2	**FPH03705**	**FPH03711**
40	13	82	M10	13	2	2	**FPH03706**	**FPH03712**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



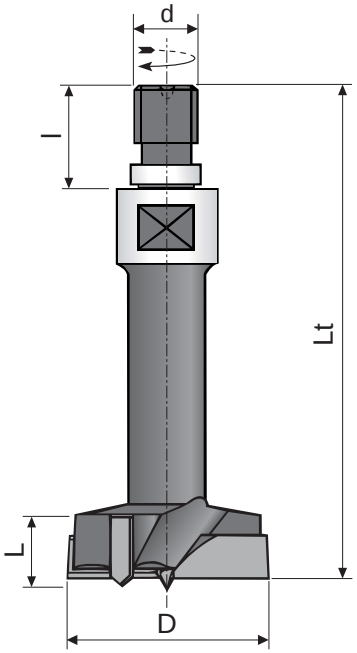


PUNTA PER FORI DI PRECISIONE

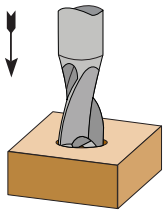
Cilinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK		Z	R	CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*				
20	13	72	M10	16	2	2	**FPH03901**	**FPH03907**
25	13	72	M10	16	2	2	**FPH03902**	**FPH03908**
26	13	72	M10	16	2	2	**FPH03903**	**FPH03909**
30	13	72	M10	16	2	2	**FPH03904**	**FPH03910**
35	13	72	M10	16	2	2	**FPH03905**	**FPH03911**
40	13	72	M10	16	2	2	**FPH03906**	**FPH03912**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO
WOODWORKING·TOOLS

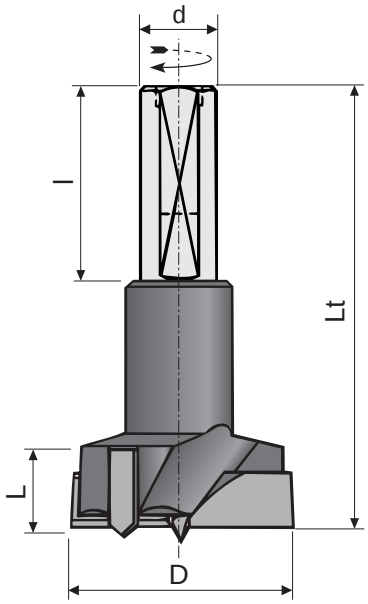
PUNTA PER FORI DI PRECISIONE

Cilinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

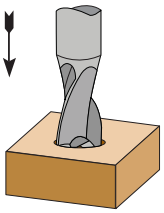


D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
15	13	57,5	10	26	2	2	**FPH04201**	**FPH04217**
16	13	57,5	10	26	2	2	**FPH04202**	**FPH04218**
18	13	57,5	10	26	2	2	**FPH04203**	**FPH04219**
20	13	57,5	10	26	2	2	**FPH04204**	**FPH04220**
22	13	57,5	10	26	2	2	**FPH04205**	**FPH04221**
24	13	57,5	10	26	2	2	**FPH04206**	**FPH04222**
25	13	57,5	10	26	2	2	**FPH04207**	**FPH04223**
26	13	57,5	10	26	2	2	**FPH04208**	**FPH04224**
28	13	57,5	10	26	2	2	**FPH04209**	**FPH04225**
30	13	57,5	10	26	2	2	**FPH04210**	**FPH04226**
32	13	57,5	10	26	2	2	**FPH04211**	**FPH04227**
35	13	57,5	10	26	2	2	**FPH04212**	**FPH04228**
38	13	57,5	10	26	2	2	**FPH04213**	**FPH04229**
40	13	57,5	10	26	2	2	**FPH04214**	**FPH04230**
50	13	57,5	10	26	2	2	**FPH04215**	**FPH04231**
60	13	57,5	10	26	2	2	**FPH04216**	**FPH04232**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

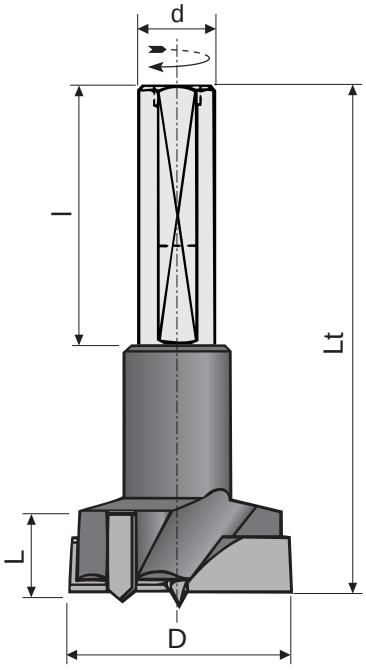




PUNTA PER FORI DI PRECISIONE

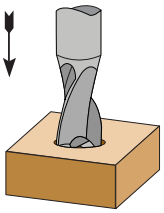
Cilinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK		Z	R	CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*				
15	13	70	10	40	2	2	**FPH04301**	**FPH04331**
16	13	70	10	40	2	2	**FPH04302**	**FPH04332**
18	13	70	10	40	2	2	**FPH04303**	**FPH04333**
20	13	70	10	40	2	2	**FPH04304**	**FPH04334**
22	13	70	10	40	2	2	**FPH04305**	**FPH04335**
24	13	70	10	40	2	2	**FPH04306**	**FPH04336**
25	13	70	10	40	2	2	**FPH04307**	**FPH04337**
26	13	70	10	40	2	2	**FPH04308**	**FPH04338**
28	13	70	10	40	2	2	**FPH04309**	**FPH04339**
30	13	70	10	40	2	2	**FPH04310**	**FPH04340**
32	13	70	10	40	2	2	**FPH04311**	**FPH04341**
35	13	70	10	40	2	2	**FPH04312**	**FPH04342**
38	13	70	10	40	2	2	**FPH04313**	**FPH04343**
40	13	70	10	40	2	2	**FPH04314**	**FPH04344**
50	13	70	10	40	2	2	**FPH04315**	**FPH04345**
60	13	70	10	40	2	2	**FPH04316**	**FPH04346**
15	13	77	10	40	2	2	**FPH04317**	**FPH04347**
16	13	77	10	40	2	2	**FPH04318**	**FPH04348**
18	13	77	10	40	2	2	**FPH04319**	**FPH04349**
20	13	77	10	40	2	2	**FPH04320**	**FPH04350**
22	13	77	10	40	2	2	**FPH04321**	**FPH04351**
24	13	77	10	40	2	2	**FPH04322**	**FPH04352**
25	13	77	10	40	2	2	**FPH04323**	**FPH04353**
26	13	77	10	40	2	2	**FPH04324**	**FPH04354**
28	13	77	10	40	2	2	**FPH04325**	**FPH04355**
30	13	77	10	40	2	2	**FPH04326**	**FPH04356**
32	13	77	10	40	2	2	**FPH04327**	**FPH04357**
35	13	77	10	40	2	2	**FPH04328**	**FPH04358**
38	13	77	10	40	2	2	**FPH04329**	**FPH04359**
40	13	77	10	40	2	2	**FPH04330**	**FPH04360**



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



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WOODWORKING·TOOLS

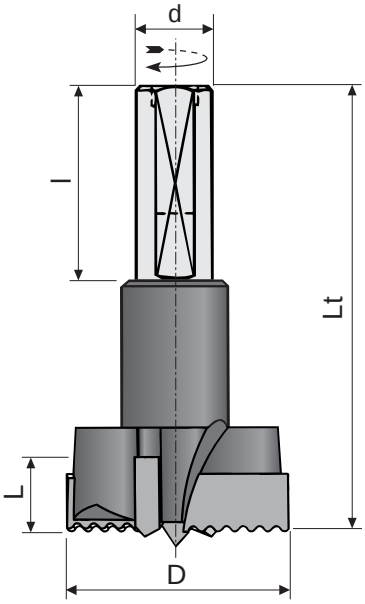


PUNTA PER FORI DI PRECISIONE CON ROMPITRUCIOLO

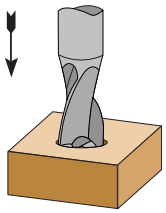
Cilinder boring bit with chipbreaker
Zylinderkopfbohrer mit Spannbrecher
Broca para taladros de precisión con rompevirutas

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
15	13	57,5	10	26	2	2	**FPH042R01**	**FPH042R17**
16	13	57,5	10	26	2	2	**FPH042R02**	**FPH042R18**
18	13	57,5	10	26	2	2	**FPH042R03**	**FPH042R19**
20	13	57,5	10	26	2	2	**FPH042R04**	**FPH042R20**
22	13	57,5	10	26	2	2	**FPH042R05**	**FPH042R21**
24	13	57,5	10	26	2	2	**FPH042R06**	**FPH042R22**
25	13	57,5	10	26	2	2	**FPH042R07**	**FPH042R23**
26	13	57,5	10	26	2	2	**FPH042R08**	**FPH042R24**
28	13	57,5	10	26	2	2	**FPH042R09**	**FPH042R25**
30	13	57,5	10	26	2	2	**FPH042R10**	**FPH042R26**
32	13	57,5	10	26	2	2	**FPH042R11**	**FPH042R27**
35	13	57,5	10	26	2	2	**FPH042R12**	**FPH042R28**
38	13	57,5	10	26	2	2	**FPH042R13**	**FPH042R29**
40	13	57,5	10	26	2	2	**FPH042R14**	**FPH042R30**
50	13	57,5	10	26	2	2	**FPH042R15**	**FPH042R31**
60	13	57,5	10	26	2	2	**FPH042R16**	**FPH042R32**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

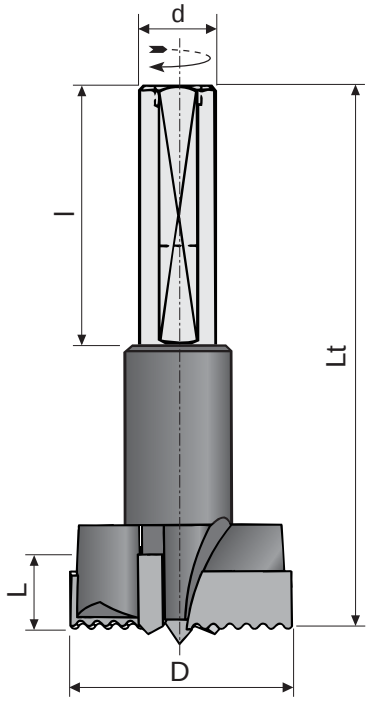




PUNTA PER FORI DI PRECISIONE CON ROMPITRUCIOLO

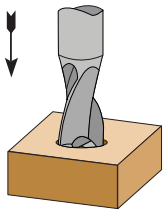
Cilinder boring bit with chipbreaker
Zylinderkopfbohrer mit Spannbrecher
Broca para taladros de precisión con rompevirutas

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
15	13	70	10	40	2	2	**FPH043R01**	**FPH043R29**
16	13	70	10	40	2	2	**FPH043R02**	**FPH043R30**
18	13	70	10	40	2	2	**FPH043R03**	**FPH043R31**
20	13	70	10	40	2	2	**FPH043R04**	**FPH043R32**
22	13	70	10	40	2	2	**FPH043R05**	**FPH043R33**
24	13	70	10	40	2	2	**FPH043R06**	**FPH043R34**
25	13	70	10	40	2	2	**FPH043R07**	**FPH043R35**
26	13	70	10	40	2	2	**FPH043R08**	**FPH043R36**
28	13	70	10	40	2	2	**FPH043R09**	**FPH043R37**
30	13	70	10	40	2	2	**FPH043R10**	**FPH043R38**
32	13	70	10	40	2	2	**FPH043R11**	**FPH043R39**
35	13	70	10	40	2	2	**FPH043R12**	**FPH043R40**
38	13	70	10	40	2	2	**FPH043R13**	**FPH043R41**
40	13	70	10	40	2	2	**FPH043R14**	**FPH043R42**
15	13	77	10	40	2	2	**FPH043R15**	**FPH043R43**
16	13	77	10	40	2	2	**FPH043R16**	**FPH043R44**
18	13	77	10	40	2	2	**FPH043R17**	**FPH043R45**
20	13	77	10	40	2	2	**FPH043R18**	**FPH043R46**
22	13	77	10	40	2	2	**FPH043R19**	**FPH043R47**
24	13	77	10	40	2	2	**FPH043R20**	**FPH043R48**
25	13	77	10	40	2	2	**FPH043R21**	**FPH043R49**
26	13	77	10	40	2	2	**FPH043R22**	**FPH043R50**
28	13	77	10	40	2	2	**FPH043R23**	**FPH043R51**
30	13	77	10	40	2	2	**FPH043R24**	**FPH043R52**
32	13	77	10	40	2	2	**FPH043R25**	**FPH043R53**
35	13	77	10	40	2	2	**FPH043R26**	**FPH043R54**
38	13	77	10	40	2	2	**FPH043R27**	**FPH043R55**
40	13	77	10	40	2	2	**FPH043R28**	**FPH043R56**



A richiesta si eseguono anche altre misure
Other dimension available on request

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

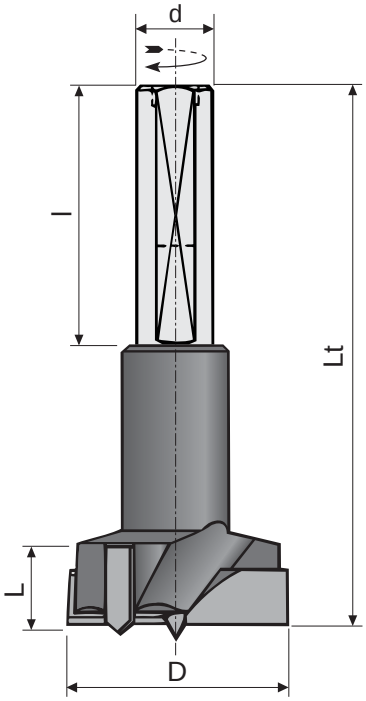


PUNTA PER FORI DI PRECISIONE

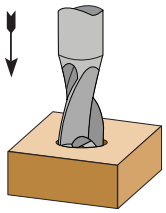
Cilinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK		Z	R	CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*				
18	13	90	10	40	2	2	**FPH04401**	**FPH04407**
20	13	90	10	40	2	2	**FPH04402**	**FPH04408**
25	13	90	10	40	2	2	**FPH04403**	**FPH04409**
26	13	90	10	40	2	2	**FPH04404**	**FPH04410**
30	13	90	10	40	2	2	**FPH04405**	**FPH04411**
35	13	90	10	40	2	2	**FPH04406**	**FPH04412**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



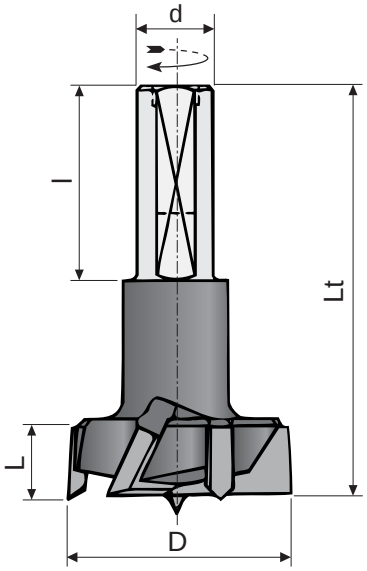


PUNTA PER FORI DI PRECISIONE Z3

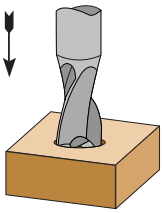
Cilinder boring bit Z3
Zylinderkopfbohrer Z3
Broca para taladros de precisión Z3

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
25	13	57,5	10	26	3	3	**FPH04501**	**FPH04507**
26	13	57,5	10	26	3	3	**FPH04502**	**FPH04508**
30	13	57,5	10	26	3	3	**FPH04503**	**FPH04509**
35	13	57,5	10	26	3	3	**FPH04504**	**FPH04510**
38	13	57,5	10	26	3	3	**FPH04505**	**FPH04511**
40	13	57,5	10	26	3	3	**FPH04506**	**FPH04512**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS

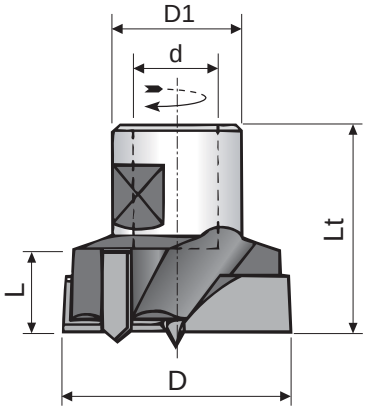
PUNTA PER FORI DI PRECISIONE - INTERCAMBIABILE

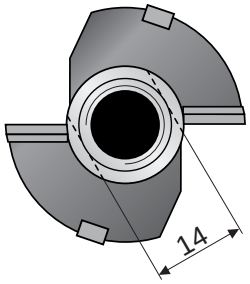
Cilinder boring bit - Interchangeable
Zylinderkopfbohrer mit auswechselbarem Futter
Broca para taladros de precisión - Intercambiable



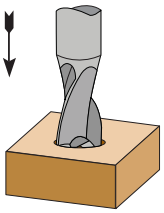
D *mm*	D1 *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
20	18	13	30	M12	2	2	**FPH04601**	**FPH04612**
22	18	13	30	M12	2	2	**FPH04602**	**FPH04613**
25	18	13	30	M12	2	2	**FPH04603**	**FPH04614**
26	18	13	30	M12	2	2	**FPH04604**	**FPH04615**
30	18	13	30	M12	2	2	**FPH04605**	**FPH04616**
35	18	13	30	M12	2	2	**FPH04606**	**FPH04617**
38	18	13	30	M12	2	2	**FPH04607**	**FPH04618**
40	18	13	30	M12	2	2	**FPH04608**	**FPH04619**
45	18	13	30	M12	2	2	**FPH04609**	**FPH04620**
50	18	13	30	M12	2	2	**FPH04610**	**FPH04621**
60	18	13	30	M12	2	2	**FPH04611**	**FPH04622**

A richiesta si eseguono anche altre misure
Other dimension available on request





Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



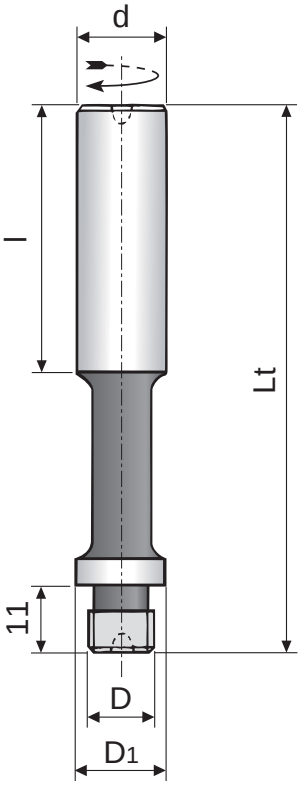


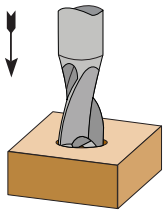
MANDRINO PER PUNTE LEVANODI

Chuck for cylinder boring bits
Reduzier futter für Astlochboher
Mandril para brocas de quitar nudos

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*		
M12	17	101	13	50	**FPH04701**	**FPH04703**
M12	17	101	16	50	**FPH04702**	**FPH04704**

A richiesta si eseguono anche altre misure
Other dimension available on request





MONTENERO
WOODWORKING·TOOLS

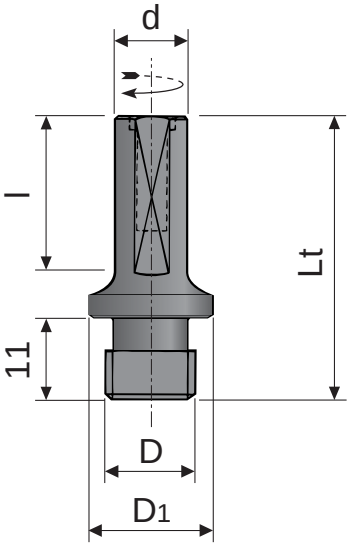


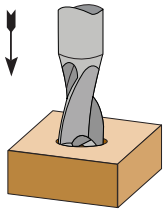
MANDRINO PER PUNTE LEVANODI

Chuck for cylinder boring bits
Reduzier futter für Astlochboher
Mandril para brocas de quitar nudos

D *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
M12	17	38	10	26	**FPH04801**	**FPH04803**
M12	17	51	10	26	**FPH04802**	**FPH04804**

A richiesta si eseguono anche altre misure
Other dimension available on request





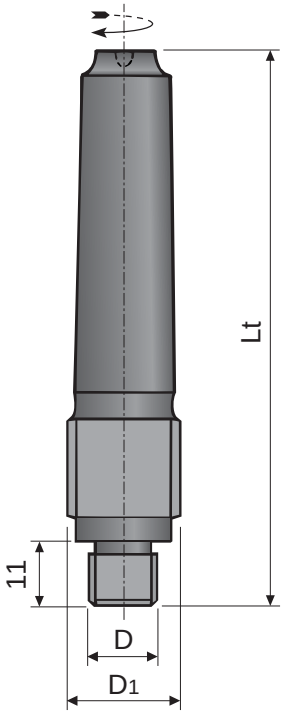


MANDRINO PER PUNTE LEVANODI

Chuck for cylinder boring bits
Reduzier futter für Astlochboher
Mandril para brocas de quitar nudos

D *mm*	D1 *mm*	Lt *mm*	ATTACCO SHANK	CODICE DX CODE RH	CODICE SX CODE LH
M12	M20	100	CM2	**FPH04901**	**FPH04902**

A richiesta si eseguono anche altre misure
Other dimension available on request



MONTENERO
WOODWORKING·TOOLS



MANDRINO SVASATORE PORTAPUNTE

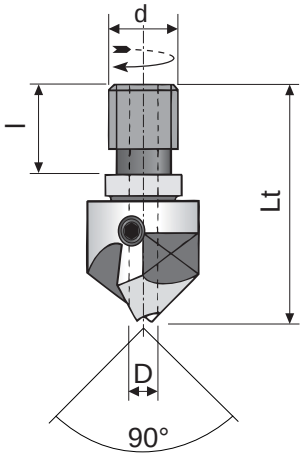
Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

D *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH	CODICE SX CODE LH
		d *mm*	l *mm*		
3	33	M10	16	**FPH05001**	**FPH05007**
4	33	M10	16	**FPH05002**	**FPH05008**
4,5	33	M10	16	**FPH05003**	**FPH05009**
5	33	M10	16	**FPH05004**	**FPH05010**
5,5	33	M10	16	**FPH05005**	**FPH05011**
6	33	M10	16	**FPH05006**	**FPH05012**

A richiesta si eseguono anche altre misure
Other dimension available on request

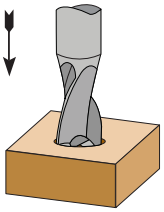
per Macchine:
for machines:

MORBIDELLI
WEEKE
BIESSE



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**

Forante in HSS
HSS drilling bit
HSS Einbohrschneide
Placa de HSS para taladrar





MANDRINO SVASATORE PORTAPUNTE

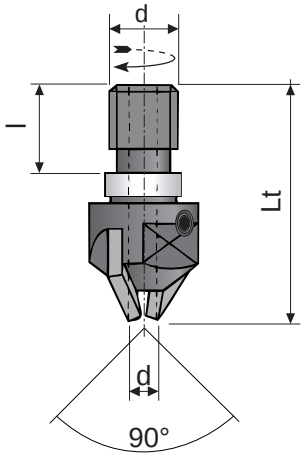
Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

D *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
3	33	M10	16	**FPH05101**	**FPH05107**
4	33	M10	16	**FPH05102**	**FPH05108**
4,5	33	M10	16	**FPH05103**	**FPH05109**
5	33	M10	16	**FPH05104**	**FPH05110**
5,5	33	M10	16	**FPH05105**	**FPH05111**
6	33	M10	16	**FPH05106**	**FPH05112**

A richiesta si eseguono anche altre misure
Other dimension available on request

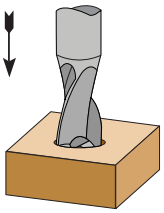
per Macchine:
for machines:

MORBIDELLI
WEEKE
BIESSE



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS



MANDRINO SVASATORE PORTAPUNTE

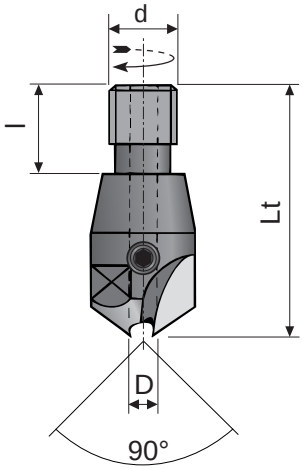
Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

D *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
3	33	M10	13	**FPH05201**	**FPH05207**
4	33	M10	13	**FPH05202**	**FPH05208**
4,5	33	M10	13	**FPH05203**	**FPH05209**
5	33	M10	13	**FPH05204**	**FPH05210**
5,5	33	M10	13	**FPH05205**	**FPH05211**
6	33	M10	13	**FPH05206**	**FPH05212**

A richiesta si eseguono anche altre misure
Other dimension available on request

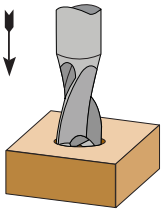
per Macchine:
for machines:

ALBERTI
VITAP
BUSELLATO



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**

Forante in HSS
HSS drilling bit
HSS Einbohrschneide
Placa de HSS para taladrar





MANDRINO SVASATORE PORTAPUNTE

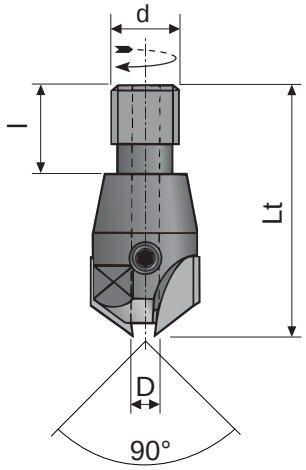
Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

D *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
3	33	M10	13	**FPH05301**	**FPH05307**
4	33	M10	13	**FPH05302**	**FPH05308**
4,5	33	M10	13	**FPH05303**	**FPH05309**
5	33	M10	13	**FPH05304**	**FPH05310**
5,5	33	M10	13	**FPH05305**	**FPH05311**
6	33	M10	13	**FPH05306**	**FPH05312**

A richiesta si eseguono anche altre misure
Other dimension available on request

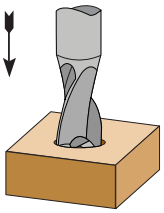
per Macchine:
for machines:

ALBERTI
VITAP
BUSELLATO



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**

Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS



MANDRINO PER PUNTE COMPONIBILI

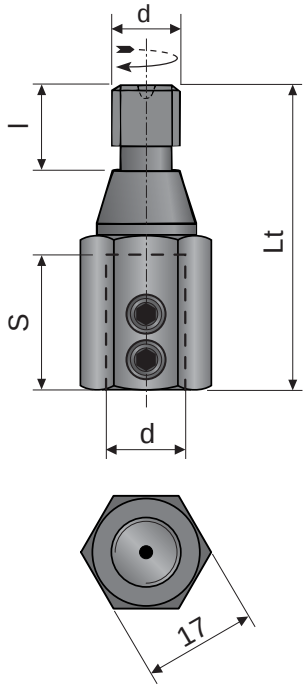
Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componibles

D *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
8	20	47	M10	13	**FPH05601**	**FPH05603**
10	20	47	M10	13	**FPH05602**	**FPH05604**

A richiesta si eseguono anche altre misure
Other dimension available on request

per Macchine:
for machines:

ALBERTI
VITAP
BUSELLATO



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT078  M6 x 6	**x 2**



MANDRINO PER PUNTE COMPONIBILI

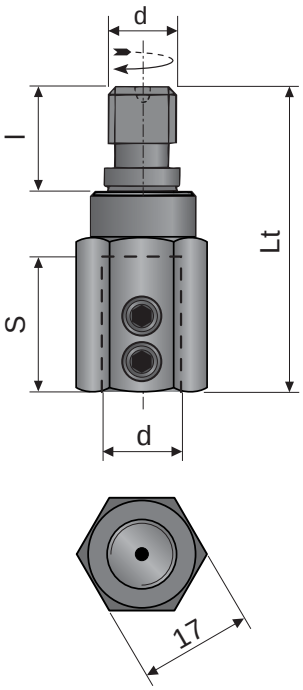
Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componibles

D *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	CODICE DX CODE RH	CODICE SX CODE LH
8	20	40	M10	16	**FPH05701**	**FPH05703**
10	20	40	M10	16	**FPH05702**	**FPH05704**

A richiesta si eseguono anche altre misure
Other dimension available on request

per Macchine:
for machines:

MORBIDELLI
WEEKE
BIESSE



RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT078  M6 x 6	**x 2**

MONTENERO
WOODWORKING·TOOLS

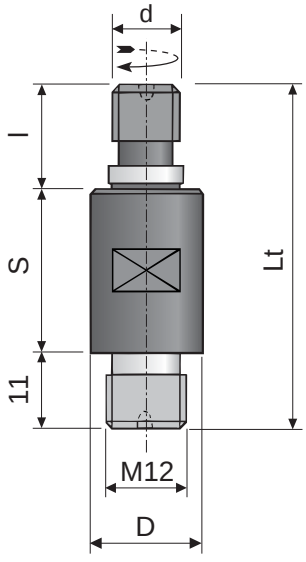


MANDRINO PER PUNTE LEVANODI

Chuck for cylinder boring bits
Reduzier Futter für Astlochboher
Mandril para brocas de quitar nudos

D *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*		
16	15	42	M10	16	**FPH05801**	**FPH05804**
16	25	52	M10	16	**FPH05802**	**FPH05805**
16	35	62	M10	16	**FPH05803**	**FPH05806**

A richiesta si eseguono anche altre misure
Other dimension available on request



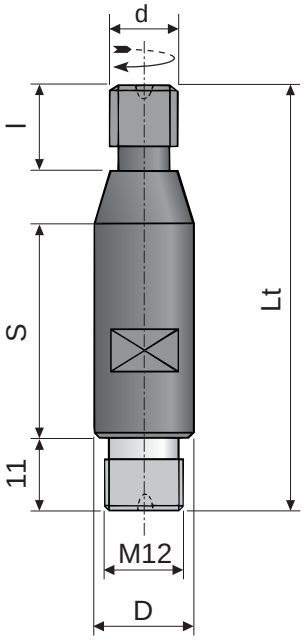


MANDRINO PER PUNTE LEVANODI

Chuck for cylindere boring bits
Reduzier Futter für Astlochboher
Mandril para brocas de quitar nudos

D *mm*	S *mm*	Lt *mm*	ATTACCO - SHANK		CODICE DX CODE RH	CODICE SX CODE LH
			d *mm*	l *mm*		
16	15	48	M10	13	**FPH05901**	**FPH05904**
16	25	58	M10	13	**FPH05902**	**FPH05905**
16	35	68	M10	13	**FPH05903**	**FPH05906**

A richiesta si eseguono anche altre misure
Other dimension available on request



MONTENERO WOODWORKING·TOOLS

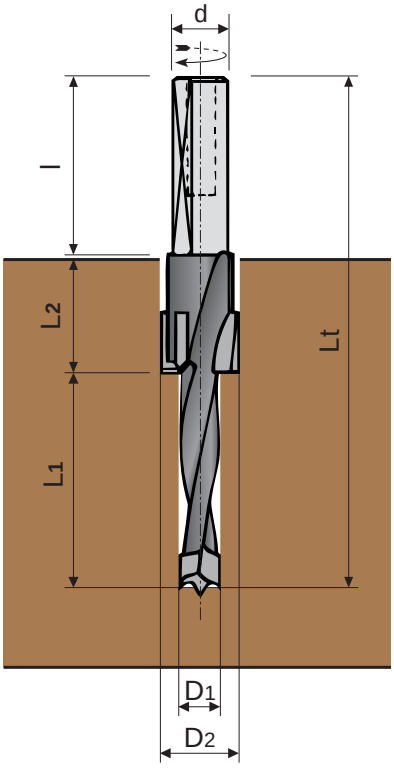


PUNTA PER DOPPI FORI

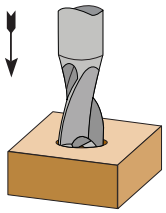
Counterbore twist drill
Stufenbohrer
Broca para taladros dobles

D1 mm	D2 mm	L1 mm	L2 mm	Lt mm	ATTACCO - SHANK d mm	ATTACCO - SHANK l mm	Z	R	CODICE DX CODE RH	CODICE SX CODE LH
*	15	*	*	130	*	*	2 + 2	2	**FPH09701**	**FPH09707**
*	20	*	*	130	*	*	2 + 2	2	**FPH09702**	**FPH09708**
*	25	*	*	130	*	*	2 + 2	2	**FPH09703**	**FPH09709**
*	30	*	*	130	*	*	2 + 2	2	**FPH09704**	**FPH09710**
*	40	*	*	130	*	*	2 + 2	2	**FPH09705**	**FPH09711**
*	50	*	*	130	*	*	2 + 2	2	**FPH09706**	**FPH09712**

∗ **Misura a richiesta**
On request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



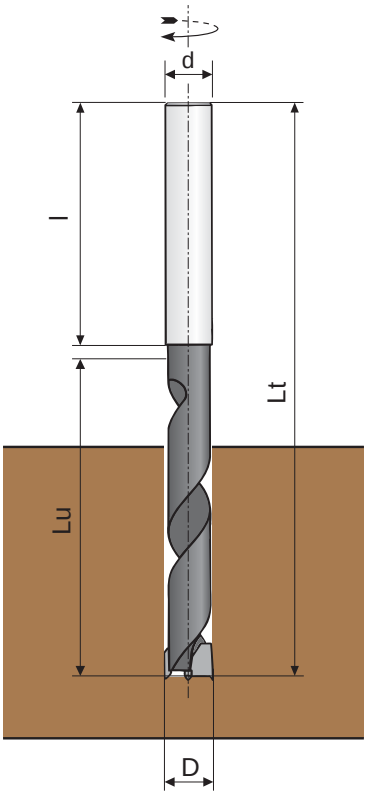


PUNTA ELICOIDALE MONOELICA PER FORI PROFONDI

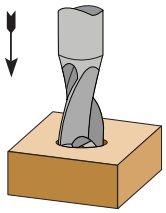
Single spiral twist drill for deep holes
Eindrallspiralbohrer für tiefe Bohrungen
Broca helicoidal de hélice única para taladros profundos

D *mm*	Lu *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH
10	100	150	13	50	1	**FPH15401**
12	110	160	13	50	1	**FPH15402**
14	130	180	13	50	1	**FPH15403**
16	150	200	16	50	1	**FPH15404**
18	170	220	16	50	1	**FPH15405**
20	170	220	16	50	1	**FPH15406**
22	170	220	16	50	1	**FPH15407**
24	170	220	16	50	1	**FPH15408**

A richiesta si eseguono anche altre misure
Other dimension available on request



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MONTENERO WOODWORKING·TOOLS



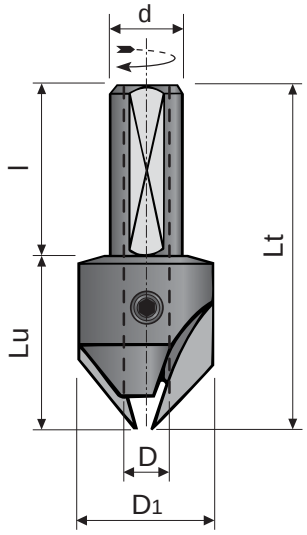
MANDRINO SVASATORE PORTAPUNTE

Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

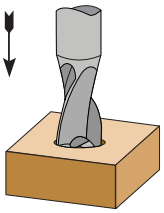
D *mm*	D1 *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
3	16	30	60	10	30	2	**FPH17701**	**FPH17708**
3,5	16	30	60	10	30	2	**FPH17702**	**FPH17709**
4	16	30	60	10	30	2	**FPH17703**	**FPH17710**
4,5	16	30	60	10	30	2	**FPH17704**	**FPH17711**
5	16	30	60	10	30	2	**FPH17705**	**FPH17712**
5,5	16	30	60	10	30	2	**FPH17706**	**FPH17713**
6	16	30	60	10	30	2	**FPH17707**	**FPH17714**

A richiesta si eseguono anche altre misure
Other dimension available on request

RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**



Forante in HW
HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar





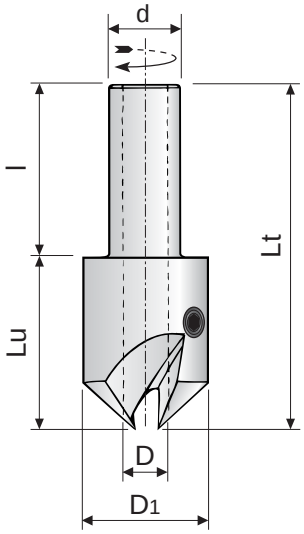
MANDRINO SVASATORE PORTAPUNTE

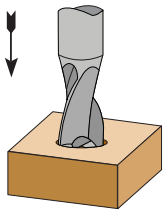
Countersink chuck for drills
Bohreraufnahme mit Senker
Mandril avellanador portabrocas

D *mm*	D_1 *mm*	L *mm*	Lt *mm*	ATTACCO - SHANK d *mm*	ATTACCO - SHANK l *mm*	Z	CODICE DX CODE RH	CODICE SX CODE LH
3	16	30	60	10	30	2	**FPH17801**	**FPH17808**
3,5	16	30	60	10	30	2	**FPH17802**	**FPH17809**
4	16	30	60	10	30	2	**FPH17803**	**FPH17810**
4,5	16	30	60	10	30	2	**FPH17804**	**FPH17811**
5	16	30	60	10	30	2	**FPH17805**	**FPH17812**
5,5	16	30	60	10	30	2	**FPH17806**	**FPH17813**
6	16	30	60	10	30	2	**FPH17807**	**FPH17814**

RICAMBI ORDINABILI SPARE PARTS	
CODICE CODE	**Q.tà** Q.ty
VT039  M5 x 5	**x 1**

A richiesta si eseguono anche altre misure
Other dimension available on request





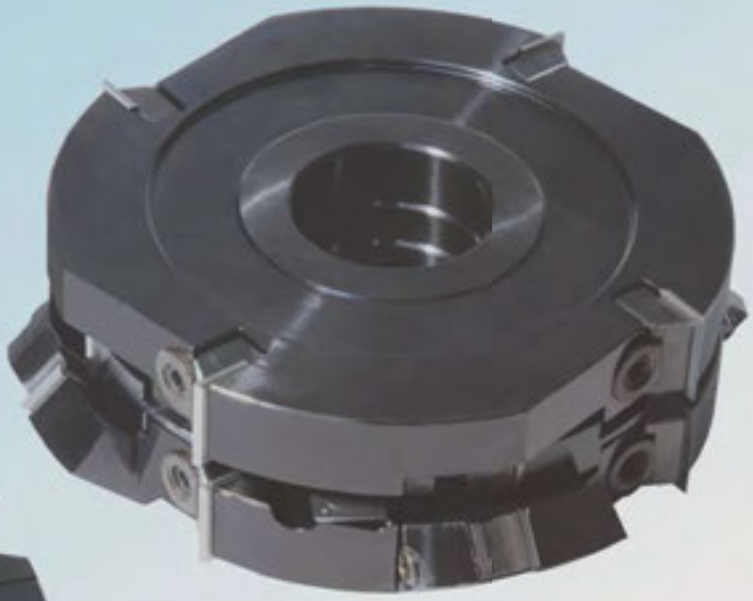
MONTENERO
WOODWORKING·TOOLS

FRESE GT

GT CUTTERHEADS
GT FRÄSER
FRESAS GT











MONTENERO
WOODWORKING·TOOLS

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TESTA PER QUARTO DI TONDO - RAGGIO PICCOLO

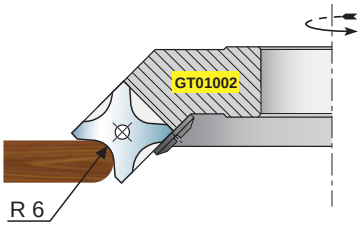
Head for quarter of a round - Small radius
Viertelkreisfräser - Kleiner Radius
Cabezal para cuarto de redondo - Radio pequeño

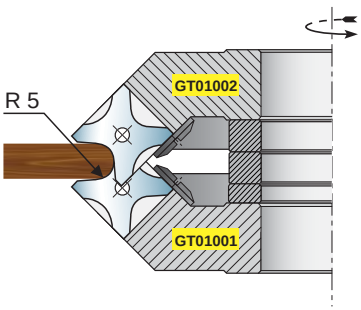
CODICE CODE	MATERIALE MATERIAL	D / D1 *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
GT01001	**ACCIAIO**	149 / 125	20	35 / 40	3	R	
GT01002	**ACCIAIO**	149 / 125	20	35 / 40	3	L	
GT01003	**ACCIAIO**	149 / 125	20	35 / 40	3	R + L	*

* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 5 - 6 - 8**
Knives' set with 5-6-8 radius included
Messerset mit Radius 5-6-8 inklusive
Set de cuchillas con radio 5-6-8 incluidos

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT010**		
			01	**02**	**03**
Coltello / Knife	20 x 21 x 2 R5	**CRR01**	/	/	6
Coltello / Knife	20 x 21 x 2 R6	**CRR02**	/	/	6
Coltello / Knife	20 x 21 x 2 R8	**CRR03**	/	/	6
Cuneo / Wedge	18 x 15 x 8	**CU124**	3	3	6
Ogiva / Nut	Ø13 x 9	**OG001**	3	3	6
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	3	3	6
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	6
Set Anelli / Set Rings	d35/40 x 30	**SA019**	/	/	1
Chiave per Coltello / Knife's Key	Esagonale 4	**CH004**	1	1	1
Valigetta / Handbag		**VAL01**	/	/	1

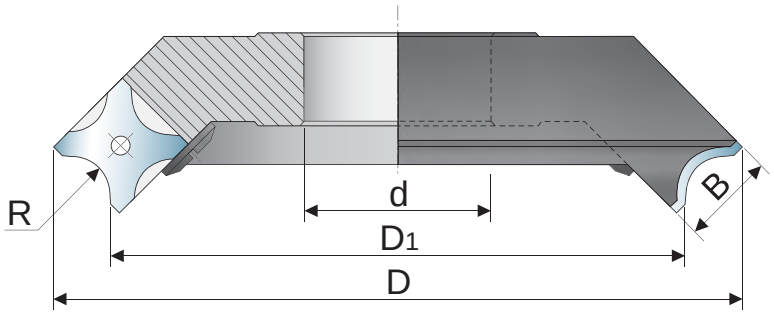
ESEMPI DI LAVORAZIONE
Working Example





ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición





TESTA PER QUARTO DI TONDO - RAGGIO MEDIO

Head for a quarter of a round - Medium radius
Viertelkreisfräser - Mittel-Radius
Cabezal para cuarto de redondo - Radio medio

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
GT01201	**ACCIAIO**	160	30	35 / 40	3	R	
GT01202	**ACCIAIO**	160	30	35 / 40	3	L	
GT01203	**ACCIAIO**	160	30	35 / 40	3	R + L	*

* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 14 - 15 - 16**
Knives' set with 14-15-16 radius included
Messerset mit Radius 14-15-16 inklusive
Set de cuchillas con radio 14-15-16 incluidos

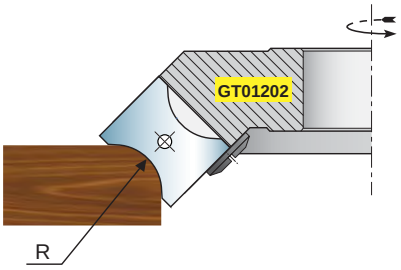
DISTINTA BASE / Bill of Materials

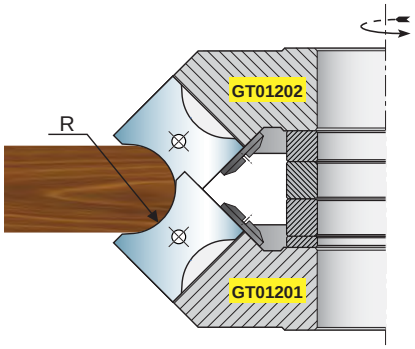
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT012		
			01	02	03
Coltello / Knife	30 x 25 x 2 R14	**CRR04**	/	/	6
Coltello / Knife	30 x 25 x 2 R15	**CRR05**	/	/	6
Coltello / Knife	30 x 25 x 2 R16	**CRR06**	/	/	6
Cuneo / Wedge	18 x 28 x 8	**CU125**	3	3	6
Ogiva / Nut	Ø13 x 9	**OG001**	3	3	6
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	3	3	6
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	6
Set Anelli / Set Rings	d35/40 x 39	**SA020**	/	/	1
Chiave per Coltello / Knife's Key	Esagonale 4	**CH004**	1	1	1
Valigetta / Handbag		**VAL01**	/	/	1

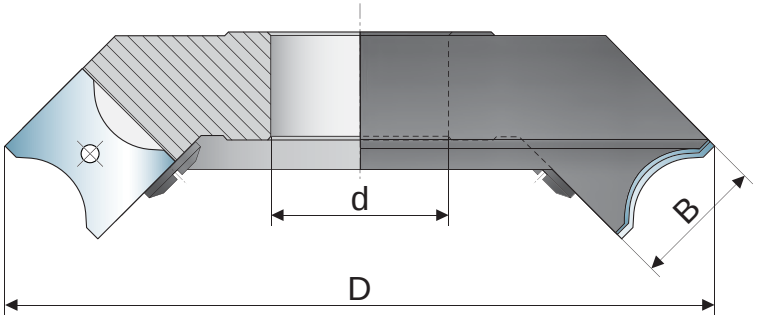
ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO
WOODWORKING·TOOLS



TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO PER BATTUTE

Multifunction tonguing head with alternate axial angle
Multifunktionskopf mit wechselndem Achswinkel
Cabezal multifuncional para galces con angulo axial alterno

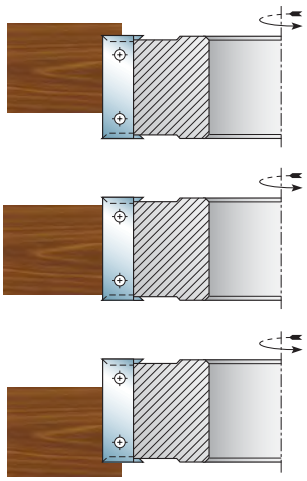
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

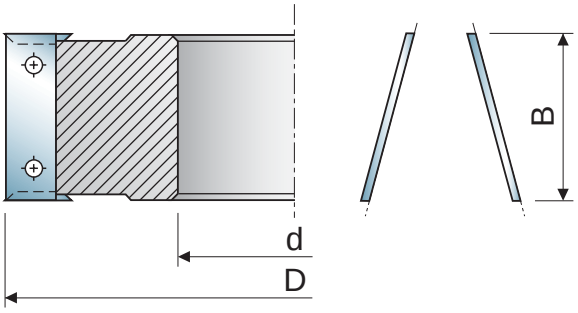
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	PESO *Kg*
GT02001	**ACCIAIO**	85	50	30 / 40	4	2 + 2	1,95
GT02002	**ACCIAIO**	85	60	30 / 40	4	2 + 2	2,34
GT02003	**ACCIAIO**	85	80	30 / 40	4	2 + 2	3,12
GT02004	**ACCIAIO**	125	50	30 / 40 / 50	4	2 + 2	4,54
GT02005	**ACCIAIO**	125	60	30 / 40 / 50	4	2 + 2	5,45
GT02006	**ACCIAO**	125	80	30 / 40 / 50	4	2 + 2	7,26
GT02007	**LEGA LEGG.***	85	50	30 / 40	4	2 + 2	0,67
GT02008	**LEGA LEGG.***	85	60	30 / 40	4	2 + 2	0,76
GT02009	**LEGA LEGG.***	85	80	30 / 40	4	2 + 2	1,02
GT02010	**LEGA LEGG.***	125	50	30 / 40 / 50	4	2 + 2	1,56
GT02011	**LEGA LEGG.***	125	60	30 / 40 / 50	4	2 + 2	1,87
GT02012	**LEGA LEGG.***	125	80	30 / 40 / 50	4	2 + 2	2,50

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT020					
			01/07	02/08	03/09	04/10	05/11	06/12
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	4	4	/	/	/	/
Coltello / Knife	60 x 12 x 1,5	**CGZ217**	/	/	4	4	/	/
Coltello / Knife	80 x 13 x 2,2	**CGZ219**	/	/	/	/	4	4
Rasante / Spur	14 x 14 x 2	**RAS02**	4	4	4	4	4	4
Cuneo / Wedge	46 x 15 x 8	**CU004**	4	4	/	/	/	/
Cuneo / Wedge	56 x 15 x 8	**CU006**	/	/	4	4	/	/
Cuneo / Wedge	76 x 15 x 8	**CU007**	/	/	/	/	4	4
Ogiva / Nut	Ø13 x 9	**OG001**	8	8	8	8	12	12
Vite per Rasante / Spur's Screw	M5 x 7 Ø8,8	**VT002**	4	4	4	4	4	4
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	8	8	8	8	12	12
Chiave per Rasante / Spur's Key	Torx 15	**TK015**	1	1	1	1	1	1
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO CON INSERTI

Multifunction head with alternate axial angle with inserts
Multifunktionskopf mit wechselndem Achswinkel und Einsätze
Cabezal multifuncional con angulo axial alterno y con insertos

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	S	PESO *Kg*
GT02101	**LEGA LEGG.**	125	30	30 / 40 / 50	4	2 + 2	2 + 2	2,66
GT02102	**LEGA LEGG.**	125	50	30 / 40 / 50	4	2 + 2	2 + 2	4,44

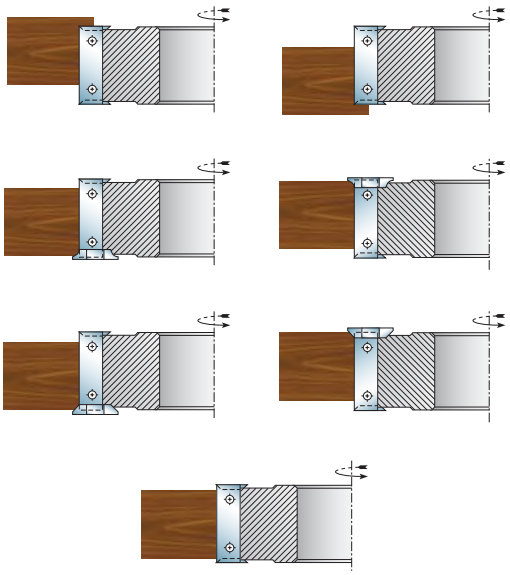
DISTINTA BASE / Bill of Materials

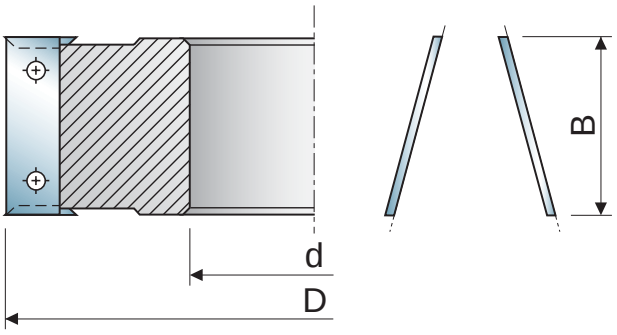
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT021	
			01	**02**
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	4	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	4	4
Inserto / Insert		*****	4	4
Cuneo / Wedge	26 x 15 x 8	**CU002**	4	/
Cuneo / Wedge	46 x 15 x 8	**CU004**	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	4	8
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	4	4
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	8
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	4	4
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1

*** SPECIFICARE IL TIPO DI INSERTO AL MOMENTO DELL'ORDINE.**
The rounding and chamfering inserts must be specified in the order.
Die Inserten für die Rundfräsungen und Abfasfräser sind bei der Bestellung anzugeben.
Los insertos redondeadores y achanfladores se deben especificar en el pedido.

VEDI PAG.387
See page 387

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO WOODWORKING·TOOLS



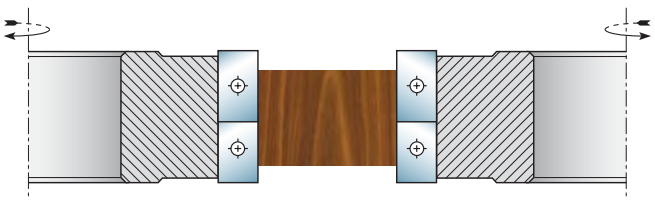
TESTA A FINIRE

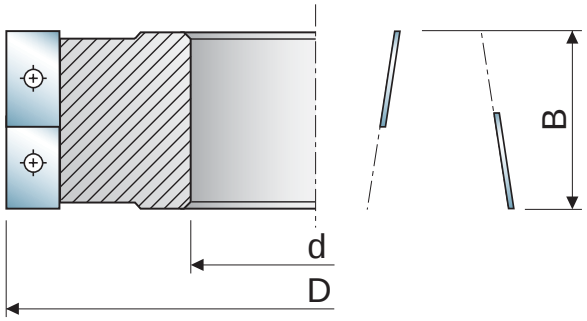
Finishing cutter head
Schlichtarbeitfräser
Cabezal para acabar

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	FISSAGGIO	PESO *Kg*
GT03001	**ACCIAIO**	80	56	30	3 + 3	FRONTALE	1,87
GT03002	**ACCIAIO**	100	56	30 / 35 / 40	3 + 3	FRONTALE	3,09
GT03003	**ACCIAIO**	125	56	30 / 35 / 40	3 + 3	RADIALE	4,99
GT03004	**ACCIAIO**	150	56	30 / 35 / 40	4 + 4	RADIALE	7,32
GT03005	**ACCIAIO**	200	56	35 / 40 / 50	4 + 4	RADIALE	13,26

DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT30**				
			01	**02**	**03**	**04**	**05**
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	6	6	6	8	8
Cuneo / Wedge	26 x 15 x 8	**CU002**	6	6	6	8	8
Ogiva / Nut	Ø13 x 9	**OG001**	6	6	6	8	8
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	6	6	6	8	8
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







TESTA A INCLINAZIONE REGOLABILE

Cutter head with adjustable inclination
Schwenkmesserkopf
Cabezal con inclinacio’n regulable

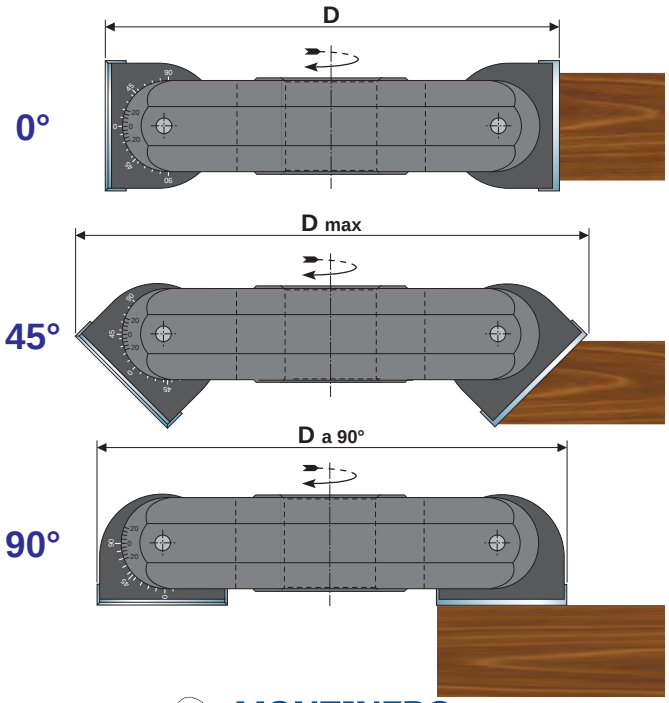
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

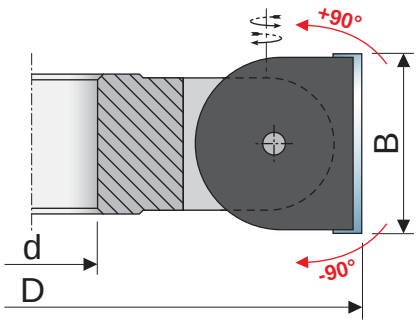
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	D Max mm	D a 90° mm	d mm	Z
GT04001	**LEGA LEGG.**	160	50	184	170	30 / 35 / 40	2
GT04002	**LEGA LEGG.**	170	50	194	180	30 / 40 / 50	2
GT04003	**LEGA LEGG.**	170	60	201	190	30 / 35 / 40	2
GT04004	**LEGA LEGG.**	200	80	246	242	30 / 40 / 50	2

INCLINABILE A +90° E -90°
Head inclination at +90° and -90°
Neigbar bis +90° und -90°
Inclinable a +90° y -90°

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE GT040**			
			01	**02**	**03**	**04**
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	2	2	/	/
Coltello / Knife	60 x 12 x 1,5	**CGZ217**	/	/	2	/
Coltello / Knife	80 x 13 x 2,2	**CGZ219**	/	/	/	2
Cuneo / Wedge	48 x 12 x 6	**CU127**	2	2	/	/
Cuneo / Wedge	58 x 12 x 6	**CU128**	/	/	2	/
Cuneo / Wedge	78 x 12 x 6	**CU129**	/	/	/	2
Vite per Cuneo / Wedge's Screw	M6 x 10	**VT021**	4	4	4	6
Chiave per Coltelli / Knife's Key	Esagonale 3	**CH003**	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
WOODWORKING·TOOLS



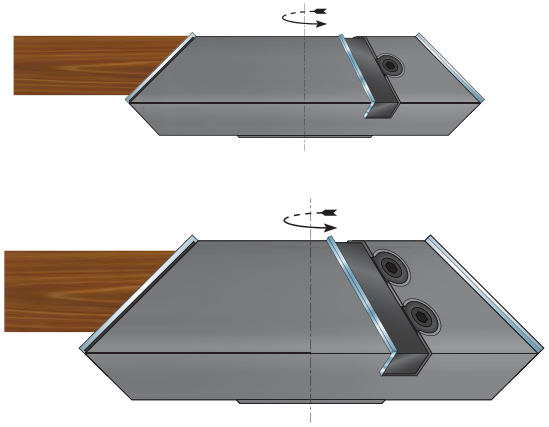
TESTA PER SMUSSI A 45°

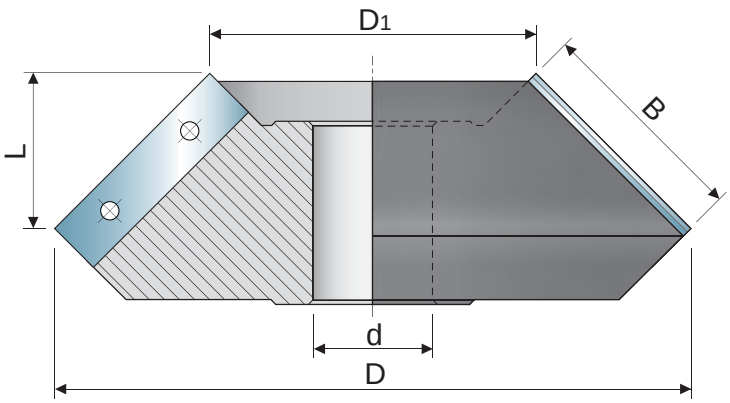
Chamfering cutter head 45°
Fasefräserkopf 45°
Cabezal para chaflánes de 45°

CODICE CODE	MATERIALE MATERIAL	D *mm*	D_1 *mm*	B *mm*	d *mm*	L max *mm*	Z
GT05001	ACCIAIO	150	110	30	35 / 40	21	3
GT05002	ACCIAIO	160	90	50	35 / 40 / 50	35	3

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT050**	
			01	**02**
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	3	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	3
Cuneo / Wedge	28 x 15 x 8	**CU094**	3	/
Cuneo / Wedge	48 x 15 x 8	**CU095**	/	3
Ogiva / Nut	Ø13 X 9	**OG001**	3	6
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	3	6
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1

ESEMPI DI LAVORAZIONE
Working Example







TESTA MULTIFUNZIONE REGOLABILE

Adjustable multifunction cutter head
Verstellbarer Multifunktionskopf
Cabezal multifunccion regulable

* **GLI INSERTI *IPC* E *SPF* DOVRANNO ESSERE ORDINATI SEPARATAMENTE.**
The *IPC* inserts and *SPF* inserts must be ordered separately.
Die Messer für die *IPC* und *SPF* sind separat zu bestellen.
Los insertos *IPC* y *SPF* se deben pedir aparte.

VEDI PAG.385-386
See page 385-386

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	S	I
GT06001	**ACCIAIO**	140	20 ÷ 39	35	4	4 + 4	2 + 2	2 + 2
GT06002	**ACCIAIO**	140	20 ÷ 39	40	4	4 + 4	2 + 2	2 + 2
GT06003	**ACCIAIO**	140	30 ÷ 59	35	4	4 + 4	2 + 2	2 + 2
GT06004	**ACCIAIO**	140	30 ÷ 59	40	4	4 + 4	2 + 2	2 + 2

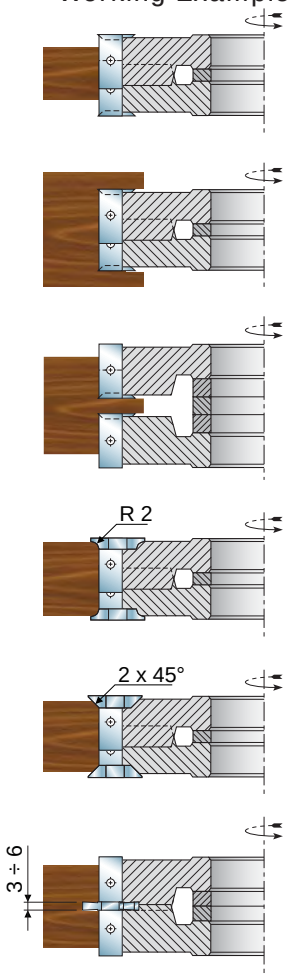
DISTINTA BASE / Bill of Materials

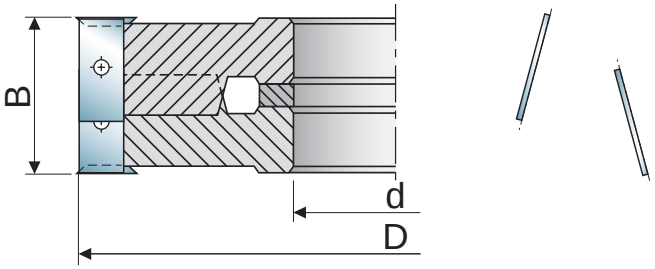
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT060			
			01	02	03	04
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	4	4	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	4	4
Rasante / Spur	14 x 14 x 2	**RAS02**	8	8	8	8
Cuneo / Wedge	16 x 15 x 8	**CU001**	4	4	/	/
Cuneo / Wedge	26 x 15 x 8	**CU002**	/	/	4	4
Ogiva / Nut	Ø13 x 9	**OG001**	4	4	4	4
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	4	4	4
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	8	8	8	8
Set Anelli / Set Rings	d35 x 25	**SA017**	1	/	/	/
Set Anelli / Set Rings	d40 x 25	**SA017**	/	1	/	/
Set Anelli / Set Rings	d35 x 35	**SA018**	/	/	1	/
Set Anelli / Set Rings	d40 x 35	**SA018**	/	/	/	1
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1	1	1
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1

COMPONENTI OPZIONALI / Optional Components

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT060			
			01	02	03	04
Inserto per canale / Groving Insert	*	**IPC**	4	4	4	4
Inserto / Insert	*	**SPF**	4	4	4	4
Viti per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	8	8	8	8
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
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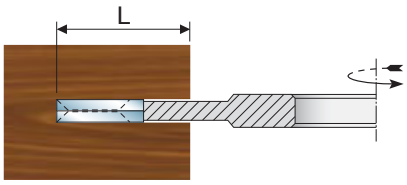
TESTA FISSA PER INCASTRI

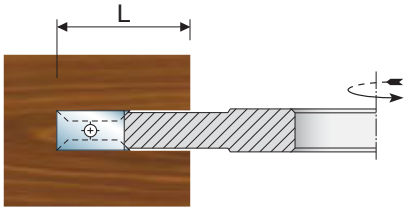


Fix grooving cutter
Fest-Nutfräserkopf
Cabezal fijo para ranurar

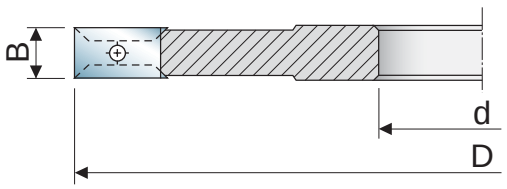
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	L mm	Z	R
GT07001	ACCIAIO	150	4	35	0 ÷ 40	2 + 2	2 + 2
GT07002	ACCIAIO	150	4	40	0 ÷ 40	2 + 2	2 + 2
GT07003	ACCIAIO	150	6	35	0 ÷ 40	2 + 2	2 + 2
GT07004	ACCIAIO	150	6	40	0 ÷ 40	2 + 2	2 + 2
GT07005	ACCIAIO	150	8	35	0 ÷ 40	4	2 + 2
GT07006	ACCIAIO	150	8	40	0 ÷ 40	4	2 + 2
GT07007	ACCIAIO	150	10	35	0 ÷ 40	4	2 + 2
GT07008	ACCIAIO	150	10	40	0 ÷ 40	4	2 + 2

ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE GT070**			
			01/02	**03/04**	**05/06**	**07/08**
Coltello / Knife	18 x 18 x 1,95	**IPCZ401**	4	/	/	/
Coltello / Knife	18 x 18 x 2,95	**IPCZ403**	/	4	/	/
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	/	4	/
Coltello / Knife	9,6 x 12 x 1,5	**CGZ204**	/	/	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	/	4	4	4
Rasante / Spur	14 x 14 x 1,2	**RAS04**	4	/	/	/
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	/	4	/
Cuneo / Wedge	9 x 12 x 10	**CU008**	/	/	/	4
Vite per Coltello / Knife's Screw	M4 x 3 Ø6	**VT007**	8	/	/	/
Vite per Rasante / Spur's Screw	M5 x 4 Ø9	**VT065**	/	8	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	4	4
Vite per Cuneo / Wedge's Screw	M5 x 16	**VT010**	/	/	4	/
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	/	/	4
Ghiera per Ras. / Spur's Threaded rings	Ø9,9 x M4	**GH001**	4	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8 x M4	**GH002**	4	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8 x M5	**GH003**	/	4	/	/
Chiave per Coltello / Knife's Key	Esagonale 3	**CH003**	/	/	/	1
Chiave per Cuneo / Wedge's Key	Esagonale 2,5	**CH025**	/	/	1	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	/	1	1	1
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1	/	/	/





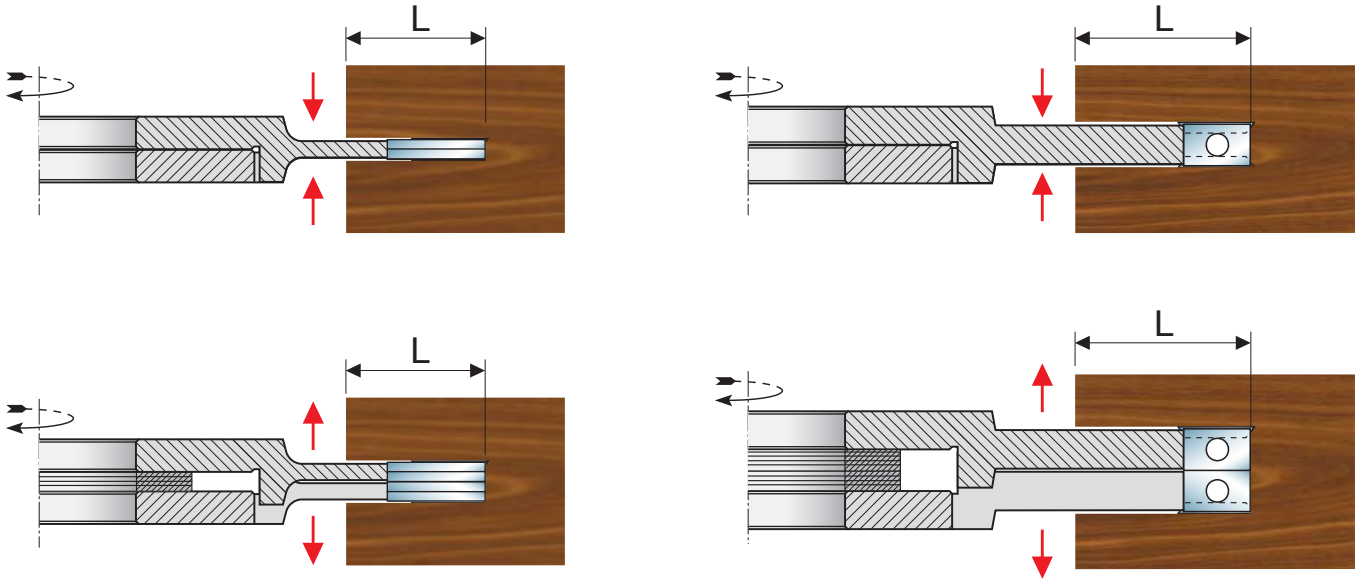
TESTA REGOLABILE PER INCASTRI CON ANELLI

Adjustable grooving cutter with rings
Verstellbarer Nutfräserkopf mit Ringen
Cabezal para ranurar regulable con anillos

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	L *mm*	Z	R
GT08001	**ACCIAIO**	160	4 ÷ 7,5	35 / 40 / 50	0 ÷ 28	4 + 4	2 + 2
GT08002	**ACCIAIO**	200	4 ÷ 7,5	35 / 40 / 50	0 ÷ 45	4 + 4	2 + 2
GT08003	**ACCIAIO**	160	6 ÷ 11,5	35 / 40 / 50	0 ÷ 28	4 + 4	2 + 2
GT08004	**ACCIAIO**	200	6 ÷ 11,5	35 / 40 / 50	0 ÷ 45	4 + 4	2 + 2
GT08005	**ACCIAIO**	160	8 ÷ 15,5	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08006	**ACCIAIO**	200	8 ÷ 15,5	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08007	**ACCIAIO**	160	12,6 ÷ 24	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08008	**ACCIAIO**	200	12,6 ÷ 24	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08009	**ACCIAIO**	160	15,6 ÷ 30	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08010	**ACCIAIO**	200	15,6 ÷ 30	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08011	**ACCIAIO**	160	20,6 ÷ 40	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08012	**ACCIAIO**	200	20,6 ÷ 40	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08013	**ACCIAIO**	160	30,6 ÷ 60	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08014	**ACCIAIO**	200	30,6 ÷ 60	35 / 40 / 50	0 ÷ 45	4	2 + 2

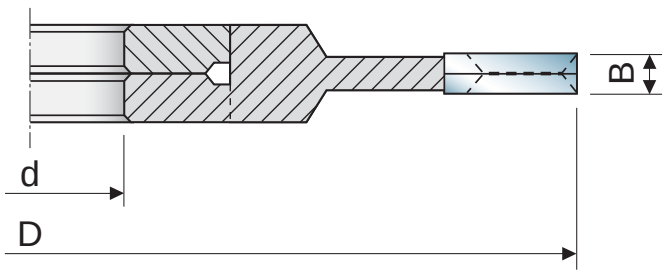
ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

ESEMPI DI LAVORAZIONE
Working Example



MONTENERO
WOODWORKING·TOOLS

DISTINTA BASE / Bill of Materials									
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT080**						
			01/02	**03/04**	**05/06**	**07/08**	**09/10**	**11/12**	**13/14**
Coltello / Knife	18 x 18 x 1,95	**IPCZ401**	8	/	/	/	/	/	/
Coltello / Knife	18 x 18 x 2,95	**IPCZ403**	/	8	/	/	/	/	/
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	/	4	/	/	/	/
Coltello / Knife	12 x 12 x 1,5	**CGZ203**	/	/	/	4	/	/	/
Coltello / Knife	15 x 12 x 1,5	**CGZ205**	/	/	/	/	4	/	/
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	/	/	/	/	/	4	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	/	/	/	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	/	4	4	4	4	4	4
Rasante / Spur	14 x 14 x 1,2	**RAS04**	4	/	/	/	/	/	/
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	/	4	/	/	/	/
Cuneo / Wedge	10 x 12 x 10	**CU009**	/	/	/	4	/	/	/
Cuneo / Wedge	13 x 12 x 10	**CU013**	/	/	/	/	4	/	/
Cuneo / Wedge	16 x 15 x 8	**CU001**	/	/	/	/	/	4	/
Cuneo / Wedge	26 x 15 x 8	**CU002**	/	/	/	/	/	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	/	/	/	/	/	4	4
Vite per Coltello / Knife's Screw	M4 x 3 Ø6	**VT007**	12	/	/	/	/	/	/
Vite per Rasante / Spur's Screw	M5 x 4 Ø9	**VT065**	/	12	/	/	/	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	4	4	4	4	4
Vite per Cuneo / Wedge's Screw	M5 x 16	**VT010**	/	/	4	/	/	/	/
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	/	/	4	/	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	/	/	/	/	4	/	/
Viti per Ogive / Nut's Screw	M8 x 22	**VT001**	/	/	/	/	/	4	4
Ghiera per Ras. / Spur's Threaded rings	Ø9,9x1,2-M4	**GH001**	4	/	/	/	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8x1,5-M4	**GH002**	8	/	/	/	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8x2,2-M5	**GH003**	/	8	/	/	/	/	/
Set Anelli / Set Rings	d35/40/50 x 3,8	**SA005**	1	/	/	/	/	/	/
Set Anelli / Set Rings	d35/40/50 x 5,8	**SA006**	/	1	/	/	/	/	/
Set Anelli / Set Rings	d35/40/50 x 7,8	**SA007**	/	/	1	/	/	/	/
Set Anelli / Set Rings	d35/40/50 x 12,3	**SA008**	/	/	/	1	/	/	/
Set Anelli / Set Rings	d35/40/50 x 15,3	**SA009**	/	/	/	/	1	/	/
Set Anelli / Set Rings	d35/40/50 x 19,9	**SA001**	/	/	/	/	/	1	/
Set Anelli / Set Rings	d35/40/50 x 29,9	**SA002**	/	/	/	/	/	/	1
Chiave per Coltello / Knife's Key	Esagonale 3	**CH003**	/	/	1	1	/	/	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	/	1	1	1	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 2,5	**CH025**	/	/	1	/	/	/	/
Chiave per Ogive / Nut's Key	Esagonale 4	**CH004**	/	/	/	/	1	1	1
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1	/	/	/	/	/	/



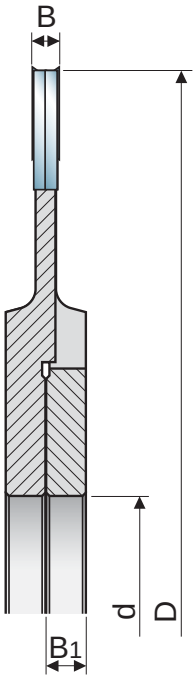


TESTA REGOLABILE PER INCASTRI CON ANELLI - MODULABILE

Adjustable grooving cutter with rings - Modulable
Verstellbarer Nutfräserkopf mit Ringen - Modulierbar
Cabezal para ranurar regulable con anillos - modulable

ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

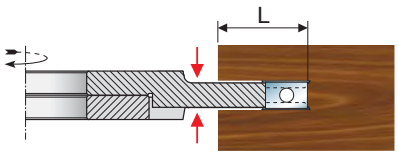
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B_1 *mm*	d *mm*	L *mm*	Z	R
GT08501	ACCIAIO	160	4 ÷ 6,5	6	35 / 40 / 50	0 ÷ 28	4 + 4	2 + 2
GT08502	ACCIAIO	200	4 ÷ 6,5	6	35 / 40 / 50	0 ÷ 45	4 + 4	2 + 2
GT08503	ACCIAIO	160	8 ÷ 14,5	7	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08504	ACCIAIO	200	8 ÷ 14,5	7	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08505	ACCIAIO	160	15,6 ÷ 27,6	8,5	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08506	ACCIAIO	200	15,6 ÷ 27,6	8,5	35 / 40 / 50	0 ÷ 45	4	2 + 2
GT08507	ACCIAIO	160	20,6 ÷ 37,6	9,5	35 / 40 / 50	0 ÷ 28	4	2 + 2
GT08508	ACCIAIO	200	20,6 ÷ 37,6	9,5	36 / 40 / 50	0 ÷ 45	4	2 + 2

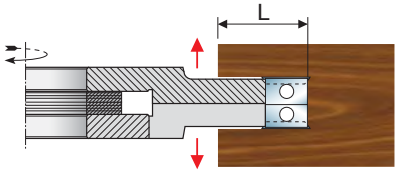


DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT085			
			01/02	03/04	05/06	07/08
Coltello / Knife	18 x 18 x 1,95	**IPCZ401**	8	/	/	/
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	4	/	/
Coltello / Knife	15 x 12 x 1,5	**CGZ205**	/	/	4	/
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	/	/	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	/	4	4	4
Rasante / Spur	14 x 14 x 1,2	**RAS04**	4	/	/	/
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	4	/	/
Cuneo / Wedge	13 x 12 x 10	**CU013**	/	/	4	/
Cuneo / Wedge	16 x 15 x 8	**CU001**	/	/	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	/	/	/	4
Vite per Coltello / Knife's Screw	M4 x 3 Ø6	**VT007**	12	/	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	4	4	4
Vite per Cuneo / Wedge's Screw	M5 x 16	**VT010**	/	4	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	/	/	4	/
Viti per Ogive / Nut's Screw	M8 x 22	**VT001**	/	/	/	4
Ghiera per Ras. / Spur's Threaded rings	Ø9,9x1,2-M4	**GH001**	4	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8x1,5-M4	**GH002**	8	/	/	/
Set Anelli / Set Rings	d35/40/50 x 3,8	**SA005**	1	/	/	/
Set Anelli / Set Rings	d35/40/50 x 7,8	**SA007**	/	1	/	/
Set Anelli / Set Rings	d35/40/50 x 15,3	**SA009**	/	/	1	/
Set Anelli / Set Rings	d35/40/50 x 19,9	**SA001**	/	/	/	1
Chiave per Coltello / Knife's Key	Esagonale 3	**CH003**	/	1	/	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	/	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 2,5	**CH025**	/	1	/	/
Chiave per Ogive / Nut's Key	Esagonale 4	**CH004**	/	/	1	1
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1	/	/	/

ESEMPI DI LAVORAZIONE
Working Example







MODULO CENTRALE PER GT085

Central module for GT085
Zentrales Element für GT085
Elemento central para GT085

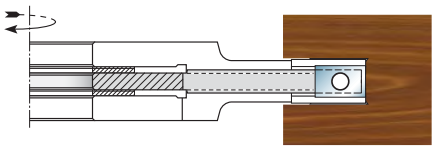
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B_1 *mm*	d *mm*	Z
GT08601	ACCIAIO	160	7,5	4	35 / 40 / 50	2
GT08602	ACCIAIO	200	7,5	4	35 / 40 / 50	2
GT08603	ACCIAIO	160	15	11,5	35 / 40 / 50	2
GT08604	ACCIAIO	200	15	11,5	35 / 40 / 50	2
GT08605	ACCIAIO	160	20	16,5	35 / 40 / 50	2
GT08606	ACCIAIO	200	20	16,5	35 / 40 / 50	2
GT08607	ACCIAIO	160	30	26,5	35 / 40 / 50	2
GT08608	ACCIAIO	200	30	26,5	35 / 40 / 50	2

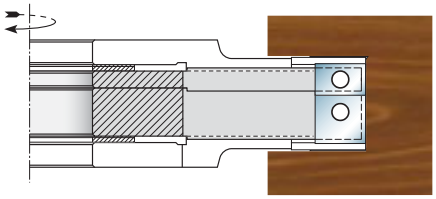
DISTINTA BASE / Bill of Materials

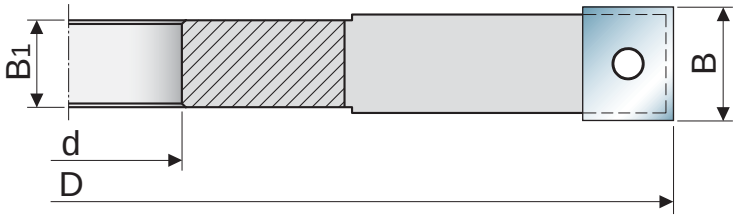
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT086			
			01/02	03/04	05/06	07/08
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	2	/	/	/
Coltello / Knife	15 x 12 x 1,5	**CGZ205**	/	2	/	/
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	/	/	2	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	/	2
Cuneo / Wedge	6 x 12 x 10	**CU011**	2	/	/	/
Cuneo / Wedge	13 x 12 x 10	**CU013**	/	2	/	/
Cuneo / Wedge	16 x 15 x 8	**CU001**	/	/	2	/
Cuneo / Wedge	26 x 15 x 8	**CU002**	/	/	/	2
Ogiva / Nut	Ø13 x 9	**OG001**	/	/	2	2
Vite per Cuneo / Wedge's Screw	M5 x 16	**VT010**	2	/	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	/	2	/	/
Viti per Ogive / Nut's Screw	M8 x 22	**VT001**	/	/	2	2
Chiave per Cuneo / Wedge's Key	Esagonale 2,5	**CH025**	1	/	/	/
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	/	1	1	1

ESEMPI DI LAVORAZIONE CON MODULO CENTRALE

Working Example
with Central Module









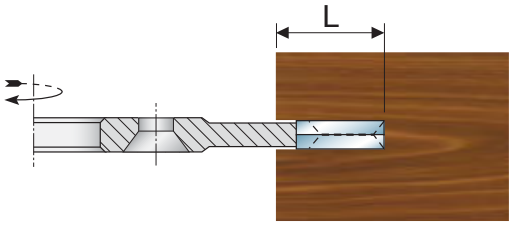
TESTA PER LAMELLO

Cutter head for Lamello
Messerkopf für Lamello
Cabezal para Lamello

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	L *mm*	Z	R
GT09001	**ACCIAIO**	100	4	22	0 ÷ 20	2 + 2	2 + 2

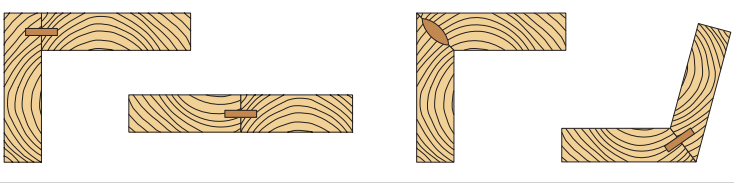
DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT090** **01**
Coltello / Knife	18 x 18 x 1,95	**IPCZ401**	4
Rasante / Spur	14 x 14 x 1,2	**RAS04**	4
Vite per Coltello / Knife's Screw	M4 x 3 Ø6	**VT007**	8
Ghiera per Ras. / Spur's Threaded rings	Ø9,9 x M4	**GH001**	4
Ghiera per Colt. / Knife's Threaded rings	Ø11,8 x M4	**GH002**	4
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1

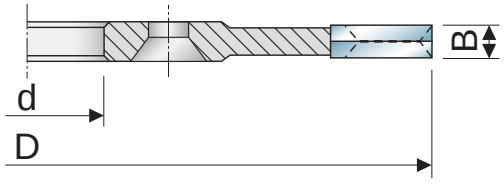
ESEMPI DI LAVORAZIONE
Working Example





ESEMPI DI IMPIEGO









GRUPPO PER PARQUETS E PERLINE

Tool's set for parquets and matchboards
Werkzeugsatz für Parquets und Spundbretten
Cabezal para parqués y listones

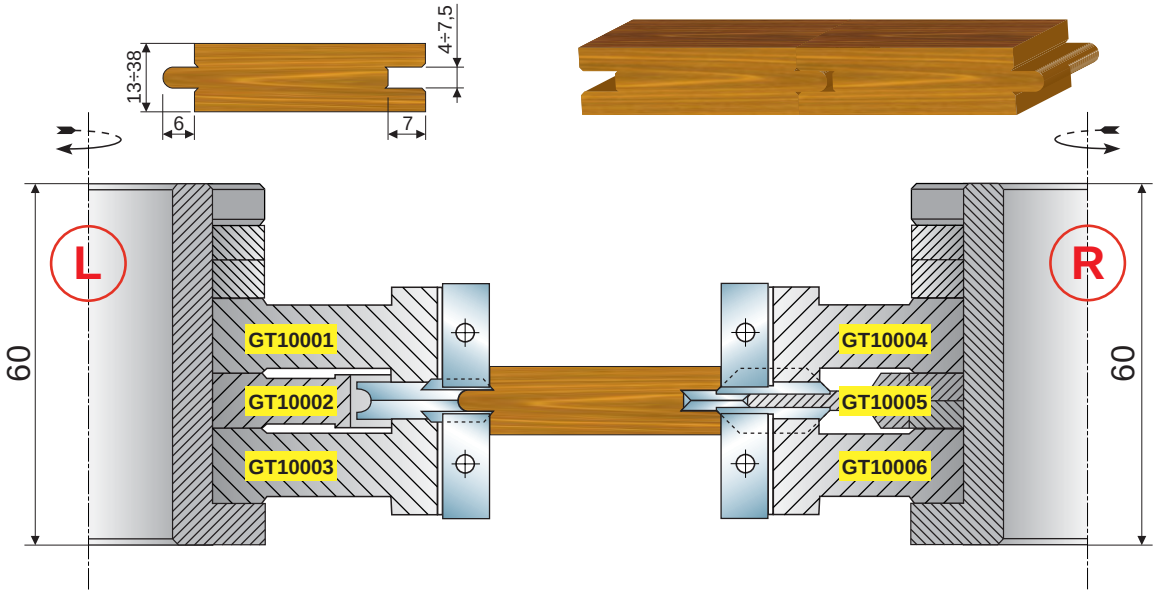
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	S
GT10001	**ACCIAIO**	149	20	50	4	2	/
GT10002	**ACCIAIO**	137	7,5	50	/	/	2 + 2
GT10003	**ACCIAIO**	149	20	50	4	2	/
GT10004	**ACCIAIO**	136	20	50	4	/	2
GT10005	**ACCIAIO**	150	4 ÷ 7,5	50	4 + 4	2 + 2	/
GT10006	**ACCIAIO**	136	20	50	4	/	2
GT10007	**ACCIAIO**	150	20	50	4	2	/
GT10008	**ACCIAIO**	163	12	50	4	/	/
GT10009	**ACCIAIO**	150	12	50	4	/	/
GT10010	**ACCIAIO**	163	12	50	4	/	/
GT10011	**ACCIAIO**	150	12	50	4	/	/
GT10012	**ACCIAIO**	140	20	50	4	2	/
GT10013	**ACCIAIO**	122	7,5	50	/	/	2 + 2
GT10014	**ACCIAIO**	152	12	50	4	2	/
GT10015	**ACCIAIO**	130	20	50	4	/	/
GT10016	**ACCIAIO**	142	12	50	4	/	/
GT10017	**ACCIAIO**	166	12	50	4	2	/
GT10018	**ACCIAIO**	147	12	50	4	/	/

DISTINTA BASE / Bill of Materials

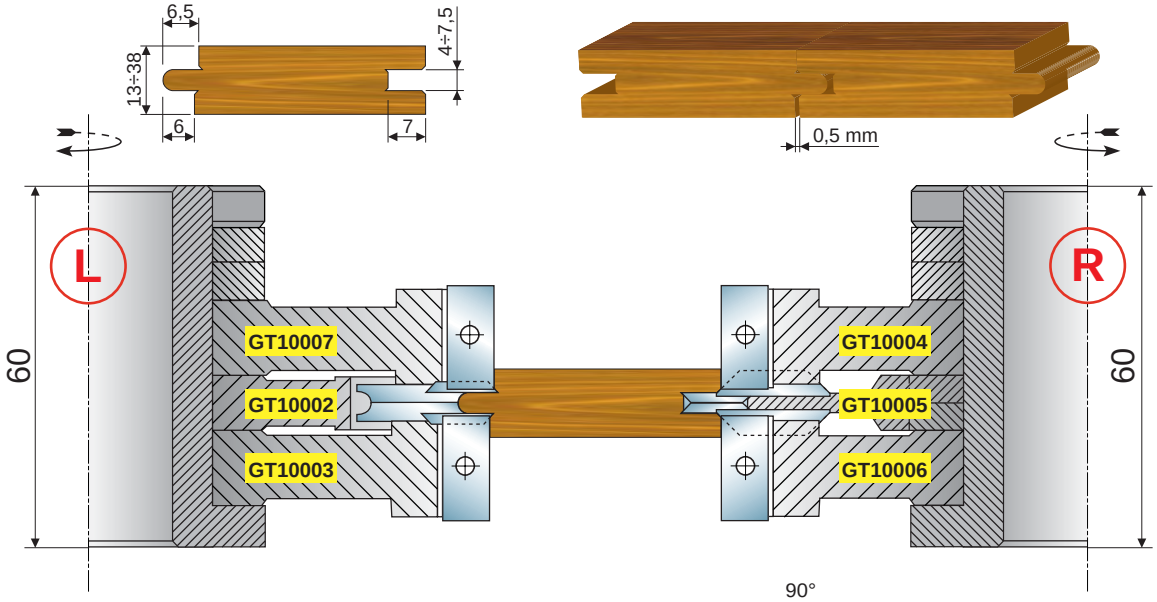
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT100							
			01/03/07/12	02/13	04/06	05	08/09/10/11	14/17	15	16/18
Coltello / Knife	18 x 18 x 1,95	**IPCZ401**	/	/	/	8	/	/	/	/
Coltello / Knife	12 x 12 x 1,5	**CGZ203**	/	/	/	/	4	4	/	4
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	4	/	4	/	/	/	4	/
Rasante / Spur	14 x 14 x 2	**RAS02**	2	/	/	/	/	/	/	/
Rasante / Spur	14 x 14 x 1,2	**RAS04**	/	/	/	4	/	/	/	/
Rasante / Spur	22 x 19 x 2	**RAS06**	/	/	/	/	/	2	/	/
Inserto Smuss. / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	/	/	2	/	/	/	/	/
Inserto Ragg. / Rounding Insert	22 x 16 x 5 R2	**SPF03**	/	4	/	/	/	/		/
Cuneo / Wedge	16 x 15 x 8	**CU001**	4	/	4	/	/	/	4	/
Cuneo / Wedge	10 x 12 x 10	**CU009**	/	/	/	/	/	4	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	4	/	4	/	/	/	4	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	/	/	/	/	/	4	/	4
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	/	4	/	/	/	4	/
Vite per Coltello / Knofe's Screw	M4 x 8 Ø9	**VT013**	/	/	/	/	4	/	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	2	/	/	/	/	2	/	/
Vite per Coltello / Knofe's Screw	M4 x 3 Ø6	**VT007**	/	/	/	12	/	/	/	/
Viti per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	/	4	2	/	/	/	/	/
Ghiera per Ras. / Spur's Threaded rings	Ø9,9 M4x1,2	**GH001**	/	/	/	4	/	/	/	/
Ghiera per Colt. / Knife's Threaded rings	Ø11,8 M4x1,5	**GH002**	/	/	/	8	/	/	/	/
Set Anelli / Set Rings	d50 x 3,8	**SA005**	/	/	/	1	/	/	/	/
Chiave per Coltello / Knife's Key	Esagonale 3	**CH003**	/	1	1	/	/	/	/	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	/	/	/	/	1	/	/	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	/	/	/	/	1	/	/
Chiave per Ogive / Nut's Key	Esagonale 4	**CH004**	1	/	1	/	/	1	1	1

PROFILI REALIZZABILI
Example of Profiles

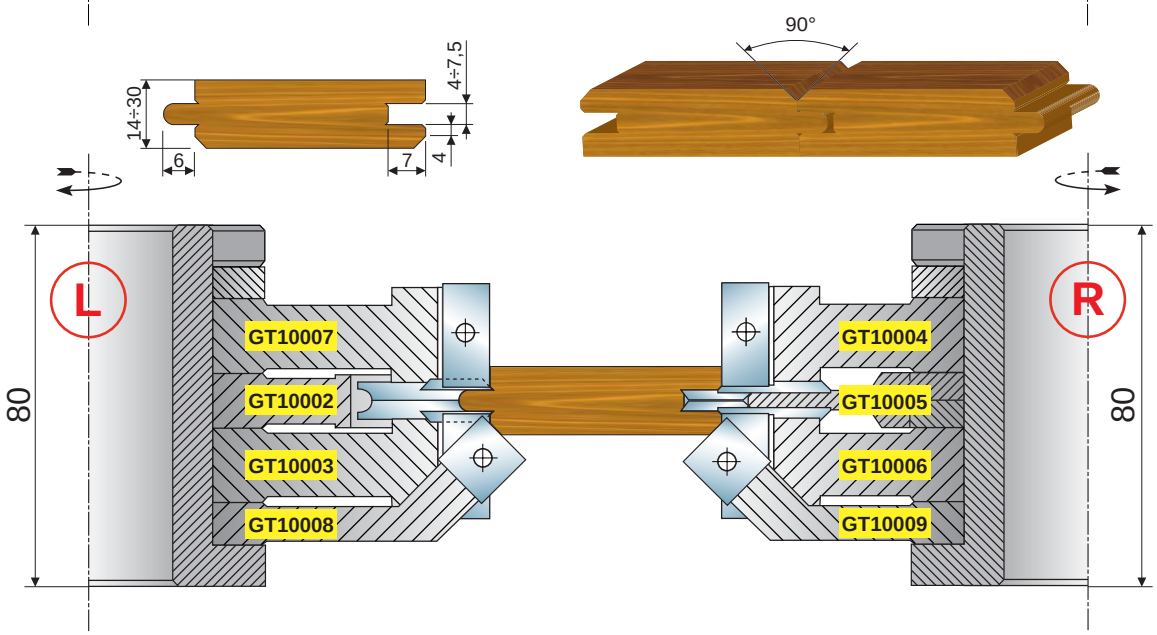
GRUPPO 1
Cutterhead set 1



GRUPPO 2
Cutterhead set 2



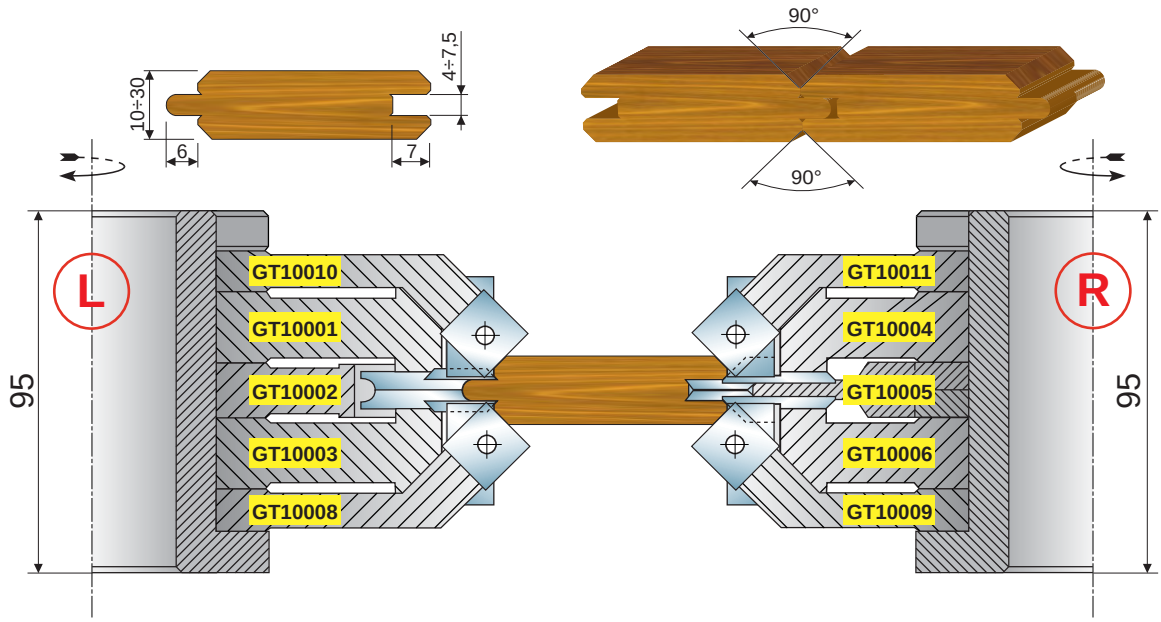
GRUPPO 3
Cutterhead set 3



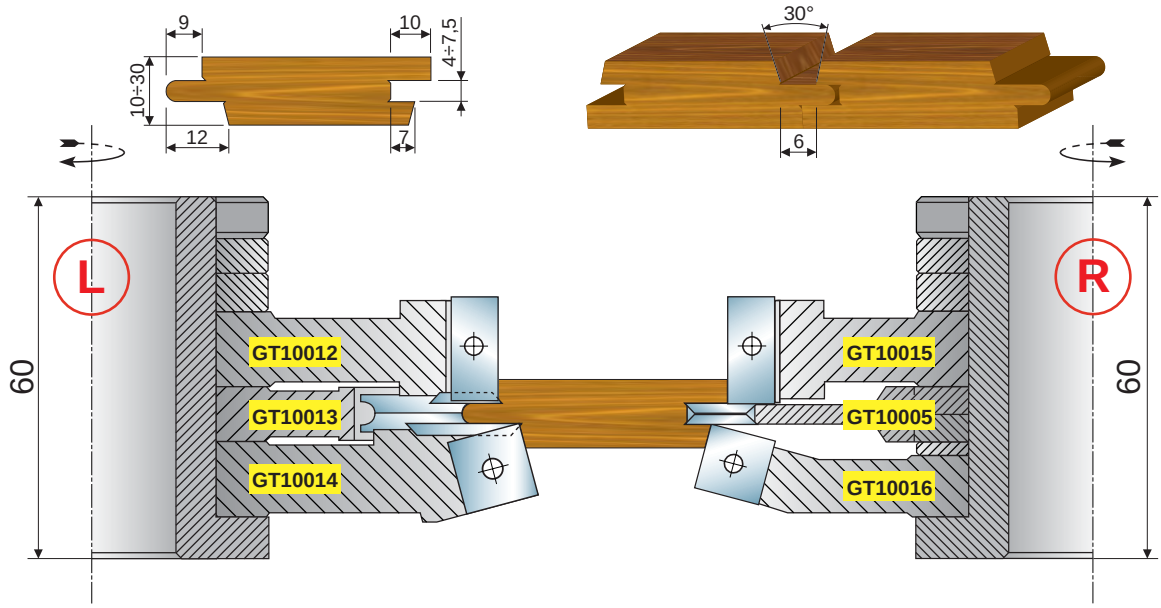
LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402

PROFILI REALIZZABILI
Example of Profiles

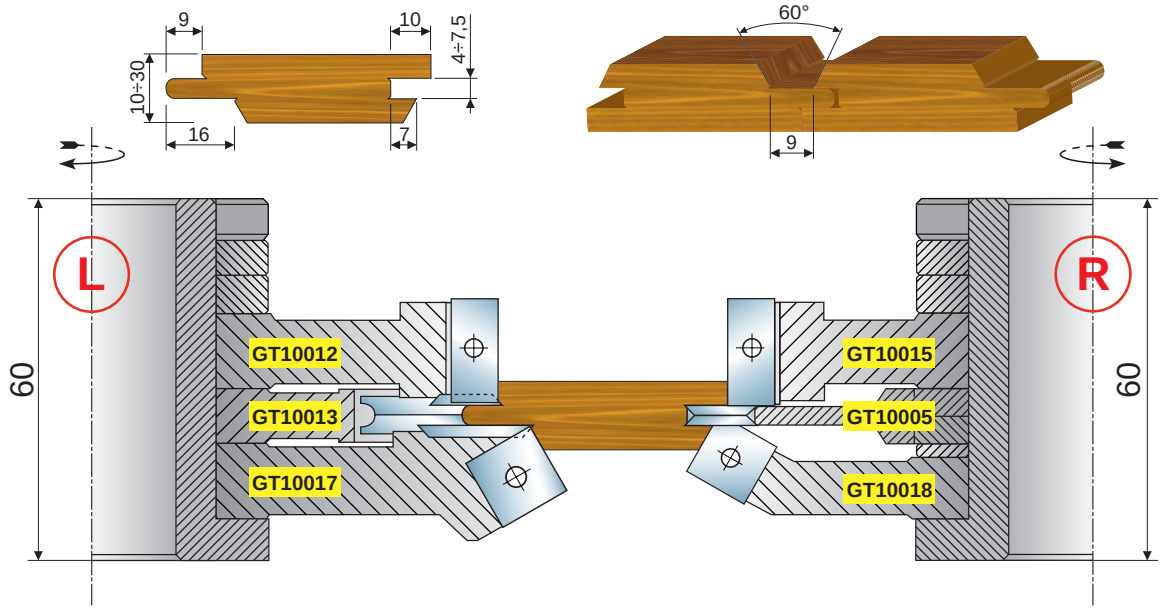
GRUPPO 4
Cutterhead set 4



GRUPPO 5
Cutterhead set 5



GRUPPO 6
Cutterhead set 6



LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402



TESTA PER REFILARE E SAGOMARE

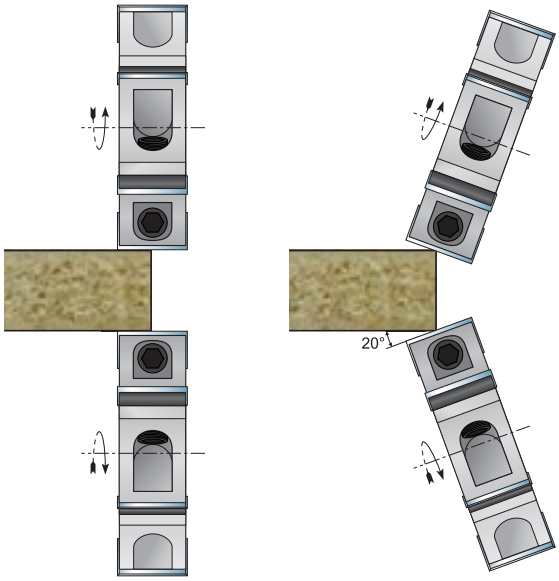
Cutter head for trimming and profiling
Kantenmesserkopf
Cabezal para desbarbar y perfilar

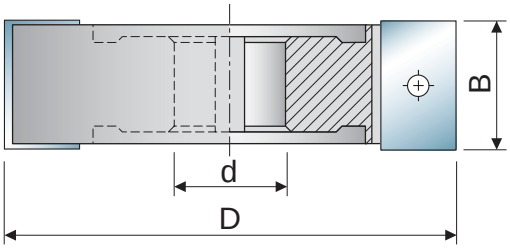
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	**MATERIALE** MATERIAL	**D** *mm*	**B** *mm*	**d** *mm*	**DKN** *mm*	**Z**
GT11001	**LEGA LEGG.**	60	20	14	2 5 X 2,5	4
GT11002	**LEGA LEGG.**	70	20	16	2 5 X 2,5	6
GT11003	**LEGA LEGG.**	70	20	20	2 6 X 3	6
GT11004	**LEGA LEGG.**	80	20	16	2 5 X 2,5	6
GT11005	**LEGA LEGG.**	80	20	20	2 6 X 3	6

DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT110**				
			01	**02**	**03**	**04**	**05**
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	4	6	6	6	6
Cuneo / Wedge	18 x 12 x 5	**CU027**	4	6	6	6	6
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT015**	4	6	6	6	6
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
WOODWORKING·TOOLS



TESTA PER TENONATRICE

Cutter head for tenoning machine
Messerkopf für Zapfenschneidmaschine
Cabezal para ma'quina para fabricar patillas

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

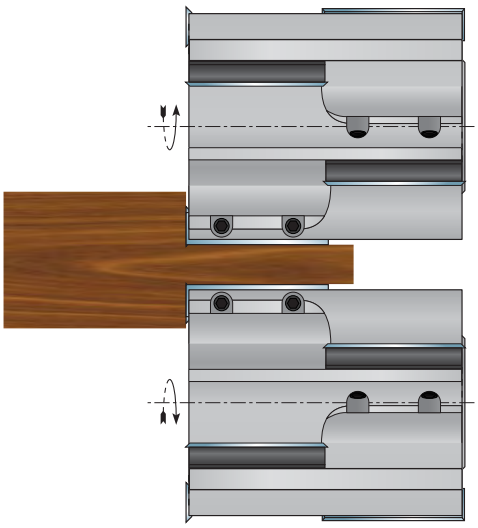
A RICHIESTA ANCHE CON CORPO IN ACCIAIO
On request also with steel body
Auf Anfrage auch mit Körper aus Stahl
A petición también con cuerpo en acero

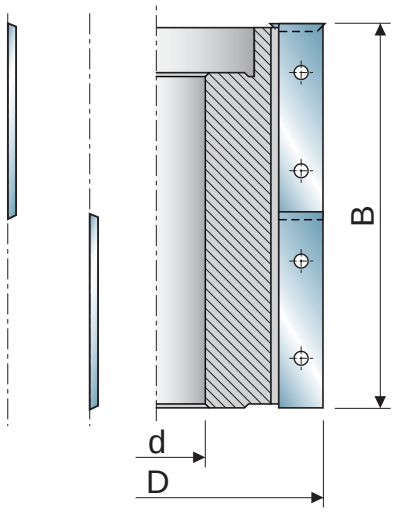
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	DKN *mm*	Z	R	ROTAZ. ROTAT.
GT12001	LEGA LEGG.	85	98	25	2 5 X 2,5	6	3	R
GT12002	LEGA LEGG.	100	98	25	2 5 X 2,5	6	3	R
GT12003	LEGA LEGG.	125	145	30	2 6 X 3	9	3	R
GT12004	LEGA LEGG.	85	98	25	2 5 X 2,5	6	3	L
GT12005	LEGA LEGG.	100	98	25	2 5 X 2,5	6	3	L
GT12006	LEGA LEGG.	125	145	30	2 6 X 3	9	3	L

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GT120					
			01	02	03	04	05	06
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	6	6	9	6	6	9
Rasante / Spur	14 x 14 x 2	**RAS02**	3	3	3	3	3	3
Cuneo / Wedge	48 x 11 x 8	**CU068**	6	6	9	6	6	9
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	12	12	18	12	12	18
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	3	3	3	3	3	3
Chiave per Cuneo / Wedge's Key	Esagonale 3	**CH004**	1	1	1	1	1	1
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







TESTA SPECIALE PER COLTELLI A GETTARE

Special cutterhead for disposable knives
Sonder Messerkopf für Einwegmesser
Cabezal especial para cuchillas de usar y tirar

∗ **DIAMETRO DEL FORO A RICHIESTA**
Bore's diameter on request
Bohrungs durchmesser nach anfrage
Diámetro de eje sobre pedido a pedir a parte

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z
GT13001	ACCIAIO	140	20	∗	4
GT13002	ACCIAIO	160	20	∗	4
GT13003	ACCIAIO	200	20	∗	4
GT13004	ACCIAIO	250	20	∗	4
GT13005	ACCIAIO	300	20	∗	4
GT13006	ACCIAIO	140	30	∗	4
GT13007	ACCIAIO	160	30	∗	4
GT13008	ACCIAIO	200	30	∗	4
GT13009	ACCIAIO	250	30	∗	4
GT13010	ACCIAIO	300	30	∗	4
GT13011	ACCIAIO	140	50	∗	4
GT13012	ACCIAIO	160	50	∗	4
GT13013	ACCIAIO	200	50	∗	4
GT13014	ACCIAIO	250	50	∗	4
GT13015	ACCIAIO	300	50	∗	4
GT13016	ACCIAIO	140	60	∗	4
GT13017	ACCIAIO	160	60	∗	4
GT13018	ACCIAIO	200	60	∗	4
GT13019	ACCIAIO	250	60	∗	4
GT13020	ACCIAIO	300	60	∗	4

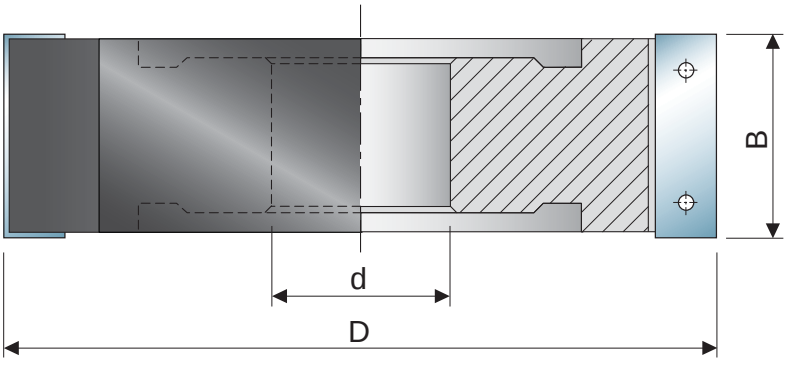


Boccola per gruppi di utensili
Sleeve for tool's set



Boccola per gruppi di utensili
+
Set Anelli
Sleeve for tool's set
+
Spacer rings' set

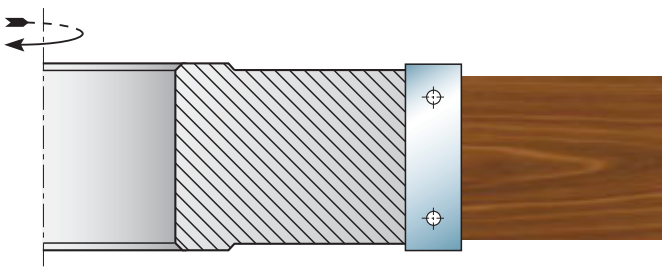
PER LAVORAZIONI AGGIUNTIVE VEDI PAG. 182
For additional works see page 182
Für zusätzliche bearbeitungen s. seite 182
Por trabajos añadidos ves pág. 182

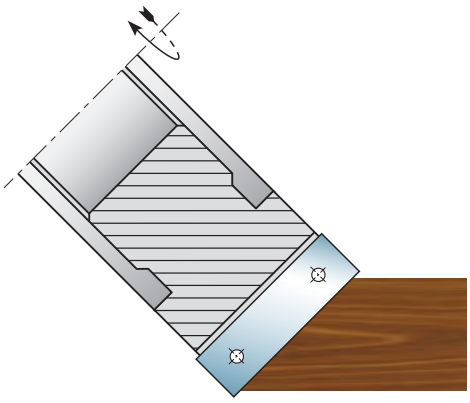


MONTENERO
WOODWORKING·TOOLS

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GT130**			
			01/05	**06/10**	**11/15**	**16/20**
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	4	/	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	4	/	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	/	4	/
Coltello / Knife	60 x 12 x 1,5	**CGZ217**	/	/	/	4
Cuneo / Wedge	16 x 15 x 8	**CU001**	4	/	/	/
Cuneo / Wedge	26 x 15 x 8	**CU002**	/	4	/	/
Cuneo / Wedge	46 x 15 x 8	**CU095**	/	/	4	/
Cuneo / Wedge	56 x 15 x 8	**CU100**	/	/	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	4	4	8	8
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	4	8	8
Chiave per Ogive / Nut's Key	Esagonale 4	**CH004**	1	1	1	1

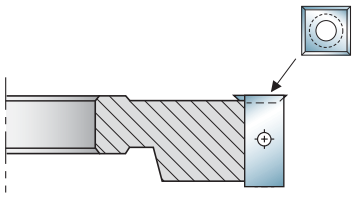
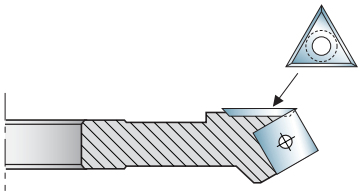
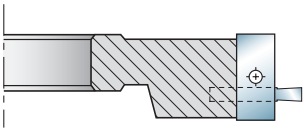
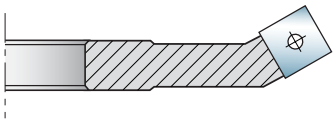
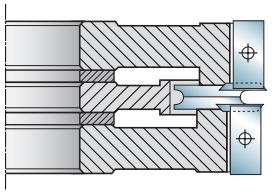
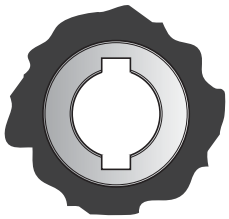
ESEMPI DI LAVORAZIONE
Working Example





MAGGIORAZIONI PER LAVORAZIONI AGGIUNTIVE

SURCHARGE FOR ADDITIONAL WORKS
AUFPREISE FÜR ZUSÄTZLICHE BEARBEITUNGEN
SUPLEMENTOS POR TRABAJOS AÑADIDOS

	**APPLICAZIONE DI 1 RASANTE QUADRATO** Addition of a square spur Zusatz- 1 quadratisch Vorschneider Añadidura de 1 precortador cuadrado
	**APPLICAZIONE DI 1 RASANTE TRIANGOLARE** Addition of a triangular spur Zusatz- 1 dreieckig Vorschneider Añadidura de 1 precortador triangular
	**APPLICAZIONE DI 1 INSERTO** Addition of an insert Zusatz- 1 Einsatzstück Añadidura de 1 inserto
	**ESECUZIONE DI TESTA CONICA** Execution of conical cutter Werkzeug mit konische Ausführung Realización cabezal conico
	**ACCOPPIAMENTO DI 2 TESTE + DISTANZIALI** Tool's group made of 2 cutters + distance rings Werkzeugsatz bestehend aus 2 Köpfe + Distanzringen Grupo de 2 cabezales + anillos **ACCOPPIAMENTO DI 3 TESTE + DISTANZIALI** Tool's group made of 3 cutters + distance rings Werkzeugsatz bestehend aus 3 Köpfe + Distanzringen Grupo de 3 cabezales + anillos
	**PER L'ESECUZIONE DI 2 CAVE PER CHIAVETTE** Execution of 2 keys DKN Ausführung Realización 2 chaveteros

FRESE AT

AT CUTTERHEADS
AT FRÄSER
FRESAS AT



MONTENERO
WOODWORKING·TOOLS

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Cabezal portacuchillas especial perfiladas, PP de 11 a 15 mm

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TESTA PER REFILARE E RAGGIARE PER MACCHINARI : STEFANI - IDM

Cutterhead for trimming and rounding
Kanten-Abrundmesserkopf
Cabezal para desbarbar y redondear

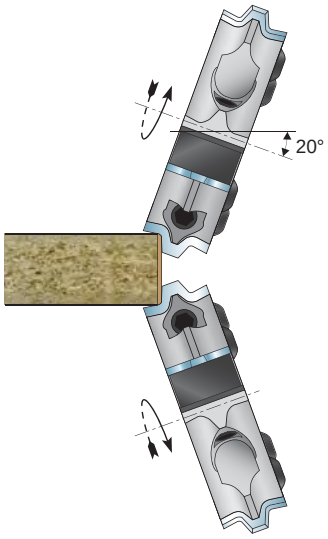
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

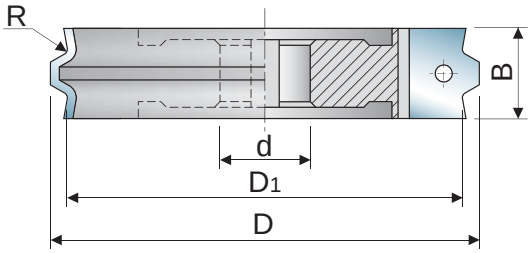
CODICE CODE	MATERIALE MATERIAL	D *mm*	D_1 *mm*	B *mm*	d *mm*	DKN *mm*	Z
AT01001	**LEGA LEGG.**	69	61	16	16	2 5 X 2,5	4
AT01002	**LEGA LEGG.**	78,2	70	16	16	2 5 X 2,5	4
AT01003	**LEGA LEGG.**	75	70	20	16	2 5 X 2,5	6

∗ **DIMENSIONE DEL RAGGIO A RICHIESTA**
Radius dimension on request
Radiusabmessung auf Anfragen
Dimensión de el radio sobre pedido

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT010**		
			01	**02**	**03**
Coltello / Knife	16 x 17,5 x 2 R*	**CRRA01**	4	/	/
Coltello / Knife	16 x 15 x 2 R*	**CRRA02**	/	4	/
Coltello / Knife	20 x 16 x 2 R*	**CRRA03**	/	/	6
Cuneo / Wedge	15 x 10 x 8	**CU071**	4	4	6
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT015**	4	4	6
Vite di Riferimento / Positioning Screw	M3,5 x 6,2 Ø9	**VT029**	4	4	6
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1
Chiave per Vite di Rif. / Positioning Screw's Key	Torx 15	**TK015**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
WOODWORKING·TOOLS

TESTA PER ARROTONDARE



Cutterhead for rounding
Abrundmesserkopf
Cabezal para redondear

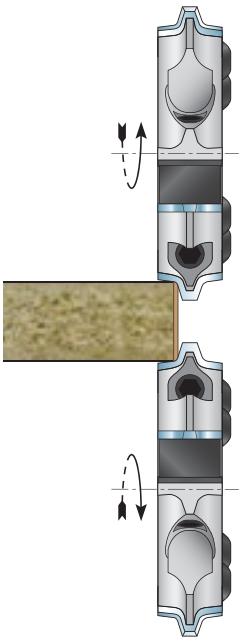
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

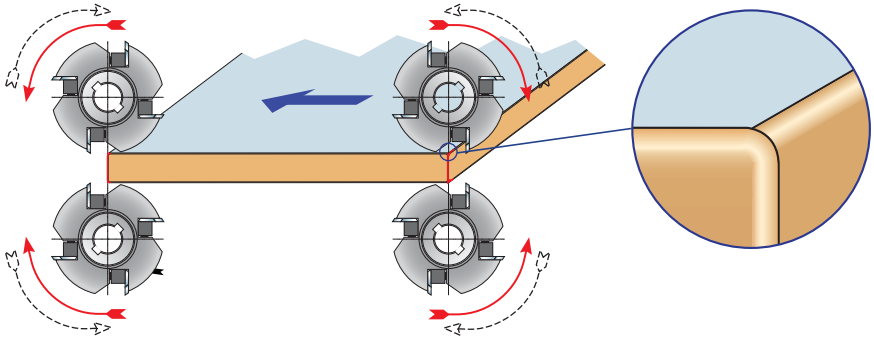
CODICE CODE	MATERIALE MATERIAL	D *mm*	D1 *mm*	B *mm*	d *mm*	DKN *mm*	Z
AT01101	**LEGA LEGG.**	68	60	16	16	2 5 X 2,5	4
AT01102	**LEGA LEGG.**	73	61	16	16	2 5 X 2,5	4
AT01103	**LEGA LEGG.**	82	70	16	20	2 6 X 3	4

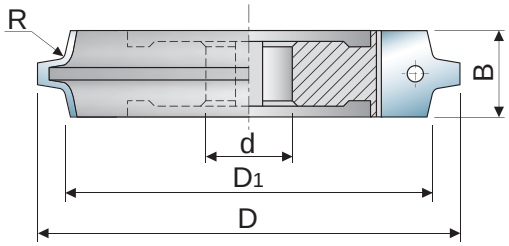
* **DIMENSIONE DEL RAGGIO A RICHIESTA**
Radius dimension on request
Radiusabmessung auf Anfragen
Dimensión de el radio sobre pedido

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT011**		
			01	**02**	**03**
Coltello / Knife	16 x 14,9 x 2 R*	**CRRA04**	4	/	/
Coltello / Knife	16 x 18,9 x 2 R*	**CRRA05**	/	4	/
Coltello / Knife	16 x 19,9 x 2 R*	**CRRA06**	/	/	4
Cuneo / Wedge	15 x 10 x 8	**CU071**	4	4	4
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT015**	4	4	4
Vite di Riferimento / Positioning Screw	M3,5 x 6,2 Ø9	**VT029**	4	4	4
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1
Chiave per Vite di Rif. / Positioning Screw's Key	Torx 15	**TK015**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









TESTA PER MEZZOTONDO - RAGGIO PICCOLO

Head for half a round - Small radius
Halbkreisfräser - Kleiner Radius
Cabezal para medio de redondos - Radio pequeño

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D / D1 mm	B mm	d mm	Z	KIT
AT02001	LEGA LEGG.	140 / 120	25	35	3	
AT02002	LEGA LEGG.	140 / 120	25	40	3	
AT02003	LEGA LEGG.	141 / 120	25	35	3	*
AT02004	LEGA LEGG.	140 / 120	25	40	3	*

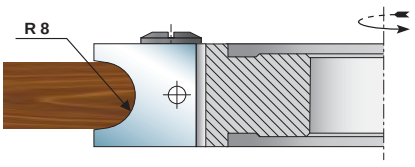
* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 5 - 6 - 8**
Knives' set with 5-6-8 radius included
Messerset mit Radius 5-6-8 inklusive
Set de cuchillas con radio 5-6-8 incluidos

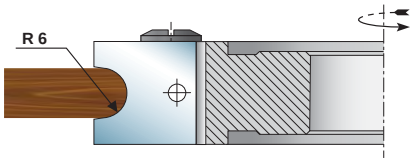
DISTINTA BASE / Bill of Materials

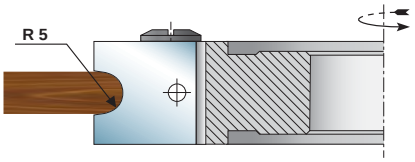
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT020			
			01	02	03	04
Coltello / Knife	25 x 25 x 2 R5	**CSAT010**	/	/	3	3
Coltello / Knife	25 x 25 x 2 R6	**CSAT011**	/	/	3	3
Coltello / Knife	25 x 25 x 2 R8	**CSAT012**	/	/	3	3
Cuneo / Wedge	24 x 29 x 8	**CU003**	3	3	3	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	3	3	3	3
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	3	3
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1	1

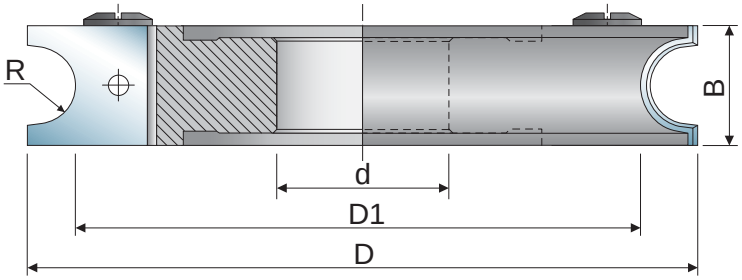
COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

ESEMPI DI LAVORAZIONE
Working Example









MONTENERO WOODWORKING·TOOLS



TESTA PER MEZZOTONDO - RAGGIO GRANDE

Head for half a round - Big radius
Halbkreisfräser - Großer Radius
Cabezal para medio de redondos - Radio grande

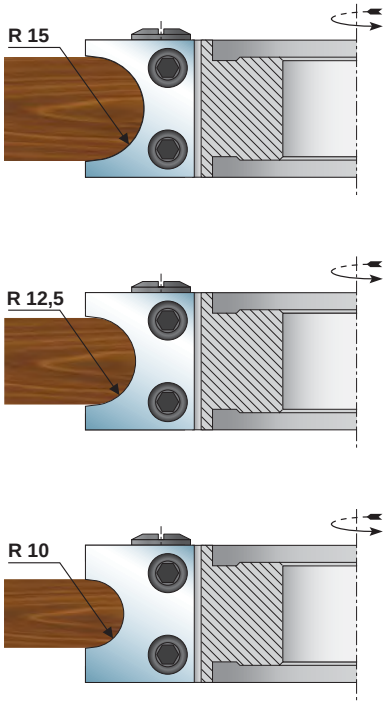
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D / D1 mm	B mm	d mm	Z	KIT
AT02101	LEGA LEGG.	150 / 116	40	35	3	
AT02102	LEGA LEGG.	150 / 116	40	40	3	
AT02103	LEGA LEGG.	150 / 116	40	35	3	*
AT02104	LEGA LEGG.	150 / 116	40	40	3	*

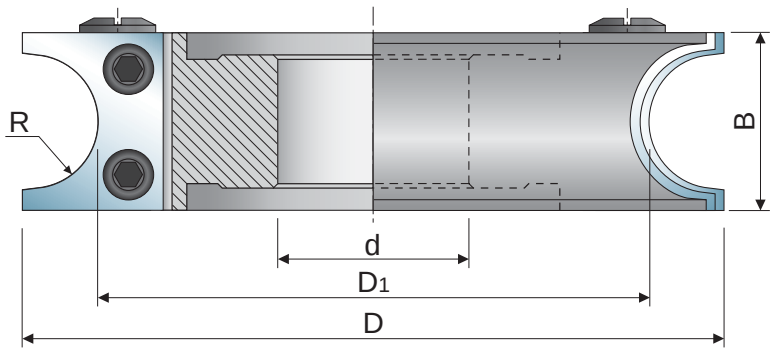
* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 10 - 12,5 - 15**
Knives' set with 10-12,5-15 radius included
Messerset mit Radius 10-12,5-15 inklusive
Set de cuchillas con radio 10-12,5-15 incluidos

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AT021**			
			01	**02**	**03**	**04**
Coltello / Knife	40 x 35 x 3 R10	**CSAT007**	/	/	3	3
Coltello / Knife	40 x 35 x 3 R12,5	**CSAT008**	/	/	3	3
Coltello / Knife	40 x 35 x 3 R15	**CSAT009**	/	/	3	3
Vite per Coltello / Knife's Screw	M6 x 13 Ø10,3	**VT018**	6	6	6	6
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	3	3
Chiave per Coltello / Knife's Key	Esagonale 4	**CH004**	1	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1	1

ESEMPI DI LAVORAZIONE
Working Example



COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición





TESTA PER QUARTO DI TONDO

Head for quarters of a round
Viertelkreisfräser
Cabezal para cuarto de redondos

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	KIT
AT02501	ACCIAIO	140	20	35 / 40	3	
AT02502	ACCIAIO	140	20	35 / 40	3	*

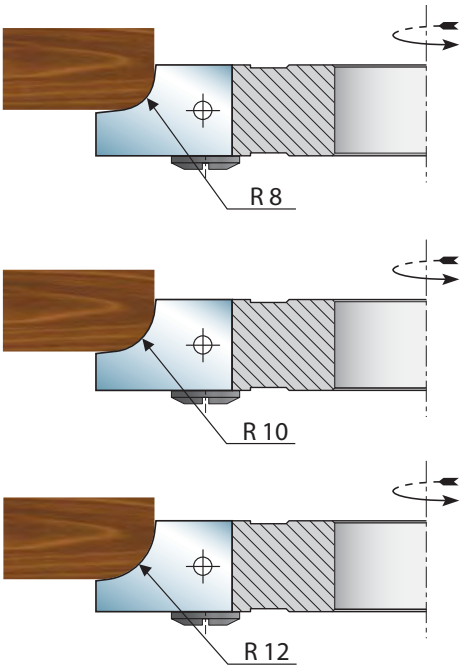
DISTINTA BASE / Bill of Materials

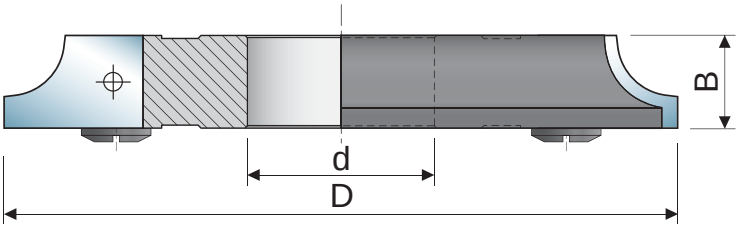
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT025	
			01	02
Coltello / Knife	20 x 30 x 3 R8	**CSAT013**	/	3
Coltello / Knife	20 x 30 x 3 R10	**CSAT014**	/	3
Coltello / Knife	20 x 30 x 3 R12	**CSAT015**	/	3
Cuneo / Wedge	19 x 20 x 8	**CU018**	3	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	3	3
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	1

* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 8 - 10 - 12**
Knives' set with 8-10-12 radius included
Messerset mit Radius 8-10-12 inklusive
Set de cuchillas con radio 8-10-12 incluidos

COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
WOODWORKING·TOOLS

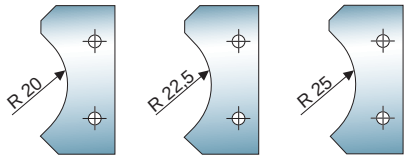


TESTA PER QUARTO DI TONDO E MEZZO-TONDO - RAGGIO GRANDE

Head for quarters and half a round - Big radius
Viertel- und Halbkreisfräser - Großer Radius
Cabezal para cuarto de redondos - Radio grande

CODICE CODE	MATERIALE MATERIAL	D / D1 mm	B mm	d mm	Z	ROTAZ. ROTAT.	KIT
AT03001	ACCIAIO	190 / 135	50	35 / 40 / 50	3	R	
AT03002	ACCIAIO	190 / 135	50	35 / 40 / 50	3	L	
AT03003	ACCIAIO	190 / 135	50	35 / 40 / 50	3	R + L	*

* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 20 - 22,5 - 25**
Knives' set with 20-22,5-25 radius included
Messerset mit Radius 20-22,5-25 inklusive
Set de cuchillas con radio 20-22,5-25 incluidos



CSAT10 CSAT11 CSAT12

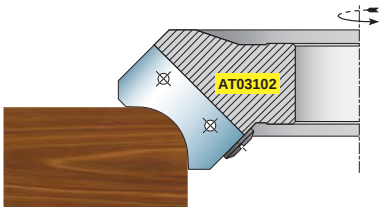
DISTINTA BASE / Bill of Materials

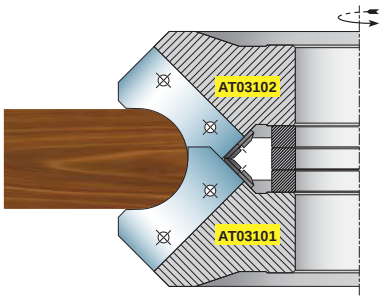
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT030		
			01	02	04
Coltello / Knife	50 x 25 x 2 R20	**CSAT016**	/	/	6
Coltello / Knife	50 x 25 x 2 R22,5	**CSAT017**	/	/	6
Coltello / Knife	50 x 25 x 2 R25	**CSAT018**	/	/	6
Cuneo / Wedge	48 x 13 x 8	**CU015**	3	3	6
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6	12
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	6
Set Anelli / Set Rings	d35/40/50 x 32	**SA003**	/	/	1
Chiave per Coltelli / Knife's Key	Esagonale 4	**CH004**	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1

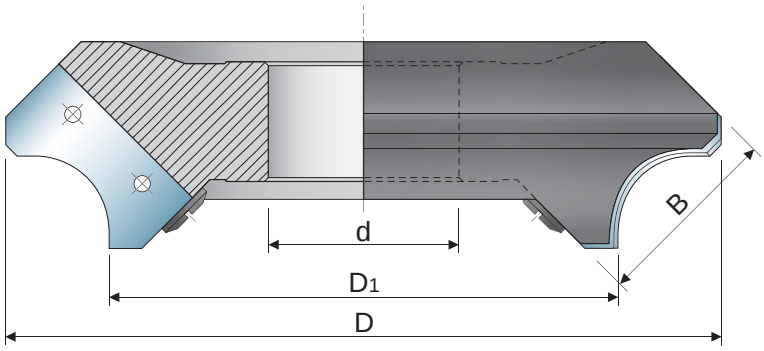
ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

ESEMPI DI LAVORAZIONE
Working Example









TESTA MULTIRAGGIO PER QUARTO DI TONDO, ACCOPPIABILE PER MEZZITONDO

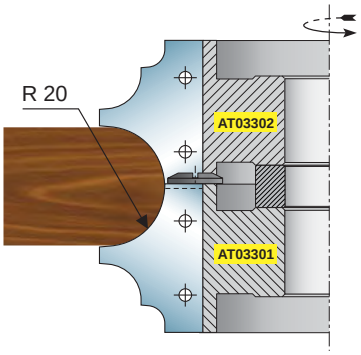
Multi-radius head for quarters of a round, can be used for half a round
Viertelkreisfräser für Multiradius - benutzbar für Halbkreis
Cabezal multiradios para cuarto de redondos, acoplable para medio de redondos

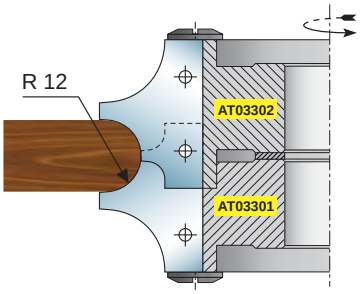
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
AT03301	ACCIAIO	160	50	35	3	R	
AT03302	ACCIAIO	160	50	35	3	L	
AT03303	ACCIAIO	160	50	35	3 + 3	R + L	*

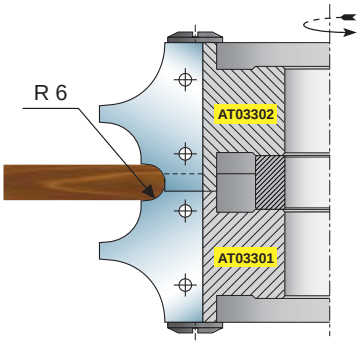
DISTINTA BASE / Bill of Materials

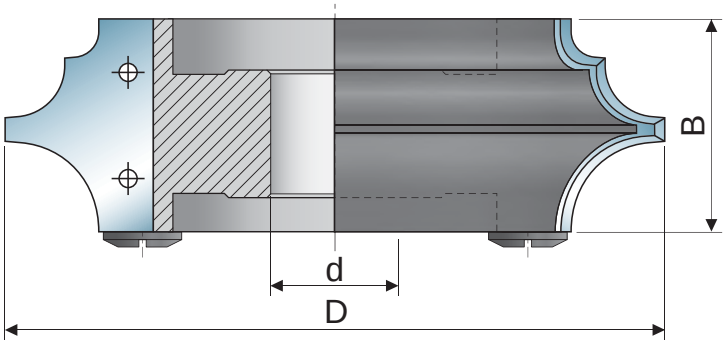
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT033		
			01	02	03
Coltello / Knife	50 x 40 x 2 DX	**CSAT019**	3	/	3
Coltello / Knife	50 x 40 x 2 SX	**CSAT020**	/	3	3
Cuneo / Wedge	49 x 21 x 8 DX	**CU034**	3	/	3
Cuneo / Wedge	49 x 21 x 8 SX	**CU035**	/	3	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6	12
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3	6
Set Anelli / Set Rings	d35 x 17	**SA013**	/	/	1
Chiave per Coltello / Knife's Key	Esagonale 4	**CH004**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









MONTENERO WOODWORKING·TOOLS

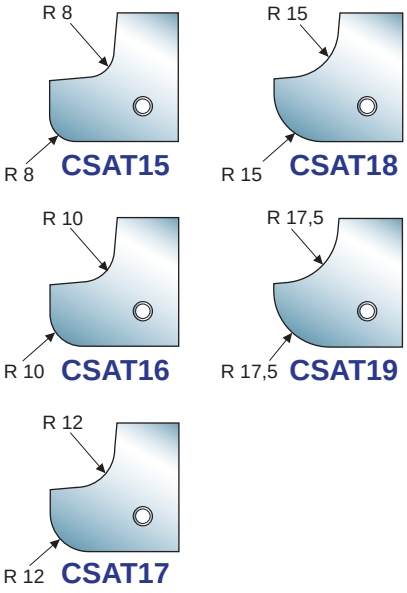


TESTA MULTIRAGGIOPER QUARTO DI TONDO - CONCAVO O CONVESSO

Multi-radius head for quarters of a round - concave or covex
Viertelkreisfräser für Multiradius - hohl bzw. gewölbt
Cabezal multiradios para cuarto de redondos - cóncavo o convexo

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	KIT
AT03501	ACCIAIO	160	40	35	2	
AT03502	ACCIAIO	160	40	35	2	*

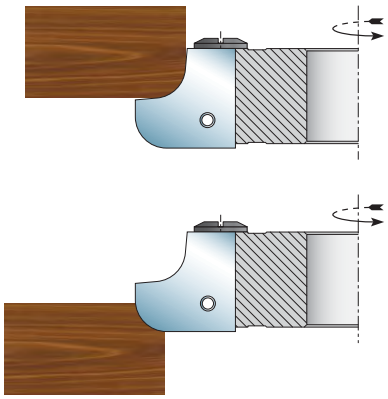
*** SET DI COLTELLI COMPRESI**
Knives' set included
Messerset inklusive
Set de cuchillas incluidos

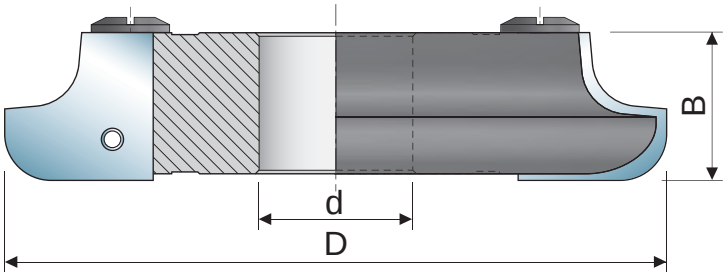


DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT035**	
			01	**02**
Coltello P1 / Knife P1	40 x 40 x 3	**CSAT021**	/	2
Coltello P2 / Knife P2	40 x 40 x 3	**CSAT022**	/	2
Coltello P3 / Knife P3	40 x 40 x 3	**CSAT023**	/	2
Coltello P4 / Knife P4	40 x 40 x 3	**CSAT024**	/	2
Coltello P5 / Knife P5	40 x 40 x 3	**CSAT025**	/	2
Cuneo / Wedge	36 x 20 x 8	**CU126**	2	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4	4
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	4	4
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	1

COLTELLI CON RAGGI INTERMEDI A RICHIESTA
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

ESEMPI DI LAVORAZIONE
Working Example









TESTA MULTIPROFILO PER STONDARE O SMUSSARE REGOLABILE

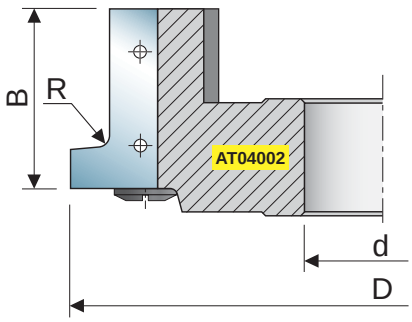
Adjustable multi-profile head for rounding or chamfering
Verstellbarer Multiprofilkopf für kanten oder abrunden
Cabezal multiperfil regulable para redondear o biselar

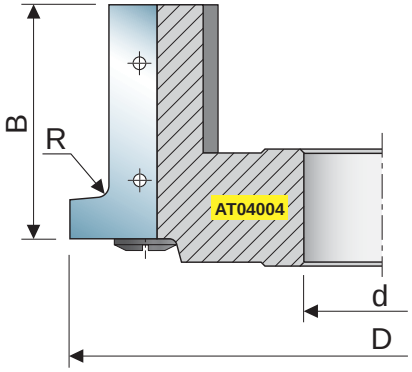
COLTELLI DA ORDINARE A PARTE
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchuìillos a pedir aparte

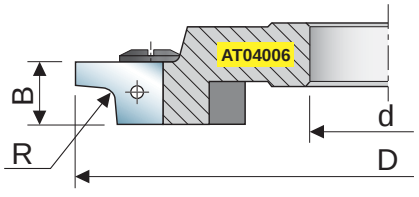
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.
AT04001	ACCIAIO	160	45	40	4	R
AT04002	ACCIAIO	160	45	40	4	L
AT04003	ACCIAIO	160	60	40	4	R
AT04004	ACCIAIO	160	60	40	4	L
AT04005	ACCIAIO	160	16	40	4	R
AT04006	ACCIAIO	160	16	40	4	L

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT040					
			01	02	03	04	05	06
Cuneo / Wedge	43 x 12 x 8 DX	**CU085**	4	/	/	/	/	/
Cuneo / Wedge	43 x 12 x 8 SX	**CU086**	/	4	/	/	/	/
Cuneo / Wedge	58 x 12 x 8 DX	**CU036**	/	/	4	/	/	/
Cuneo / Wedge	58 x 12 x 8 SX	**CU037**	/	/	/	4	/	/
Cuneo / Wedge	15 x 12 x 8 DX	**CU038**	/	/	/	/	4	/
Cuneo / Wedge	15 x 12 x 8 SX	**CU039**	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	8	8	8	8	/	/
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT015**	/	/	/	/	4	4
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	4	4	4	4	4	4
Set Anelli / Set Rings	d40 x 42	**SA014**	1	/	1	/	1	/
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1	1	1

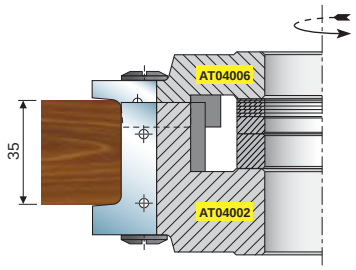




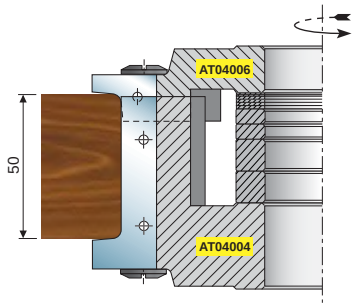


MONTENERO
WOODWORKING·TOOLS

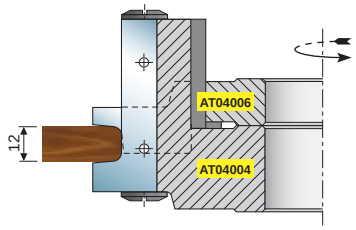
ESEMPI DI LAVORAZIONE
Working Example



L max = 35 mm

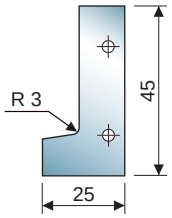


L max = 50 mm

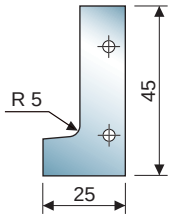


L min = 12 mm

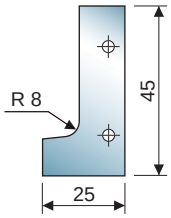
COLTELLI STANDARD / Standard Knives								
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT040**					
			01	**02**	**03**	**04**	**05**	**06**
Coltello R3 / Knife R3	45 x 25 x 3 DX	**CSAT026**	4	/	/	/	/	/
Coltello R3 / Knife R3	45 x 25 x 3 SX	**CSAT027**	/	4	/	/	/	/
Coltello R5 / Knife R5	45 x 25 x 3 DX	**CSAT028**	4	/	/	/	/	/
Coltello R5 / Knife R5	45 x 25 x 3 SX	**CSAT029**	/	4	/	/	/	/
Coltello R8 / Knife R8	45 x 25 x 3 DX	**CSAT030**	4	/	/	/	/	/
Coltello R8 / Knife R8	45 x 25 x 3 SX	**CSAT031**	/	4	/	/	/	/
Coltelli a 45° / Knife at 45°	45 x 25 x 3 DX	**CSAT032**	4	/	/	/	/	/
Coltelli a 45° / Knife at 45°	45 x 25 x 3 SX	**CSAT033**	/	4	/	/	/	/
Coltello R3 / Knife R3	60 x 25 x 3 DX	**CSAT034**	/	/	4	/	/	/
Coltello R3 / Knife R3	60 x 25 x 3 SX	**CSAT035**	/	/	/	4	/	/
Coltello R5 / Knife R5	60 x 25 x 3 DX	**CSAT036**	/	/	4	/	/	/
Coltello R5 / Knife R5	60 x 25 x 3 SX	**CSAT037**	/	/	/	4	/	/
Coltello R8 / Knife R8	60 x 25 x 3 DX	**CSAT038**	/	/	4	/	/	/
Coltello R8 / Knife R8	60 x 25 x 3 SX	**CSAT039**	/	/	/	4	/	/
Coltelli a 45° / Knife at 45°	60 x 25 x 3 DX	**CSAT040**	/	/	4	/	/	/
Coltelli a 45° / Knife at 45°	60 x 25 x 3 SX	**CSAT041**	/	/	/	4	/	/
Coltello R3 / Knife R3	16 x 25 x 3 DX	**CSAT042**	/	/	/	/	4	/
Coltello R3 / Knife R3	16 x 25 x 3 SX	**CSAT043**	/	/	/	/	/	4
Coltello R5 / Knife R5	16 x 25 x 3 DX	**CSAT044**	/	/	/	/	4	/
Coltello R5 / Knife R5	16 x 25 x 3 SX	**CSAT045**	/	/	/	/	/	4
Coltello R8 / Knife R8	16 x 25 x 3 DX	**CSAT046**	/	/	/	/	4	/
Coltello R8 / Knife R8	16 x 25 x 3 SX	**CSAT047**	/	/	/	/	/	4
Coltelli a 45° / Knife at 45°	16 x 25 x 3 DX	**CSAT048**	/	/	/	/	4	/
Coltelli a 45° / Knife at 45°	16 x 25 x 3 SX	**CSAT049**	/	/	/	/	/	4



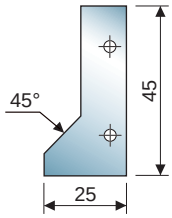
CSAT027



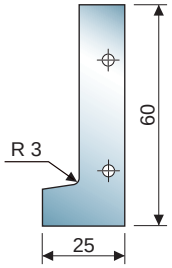
CSAT029



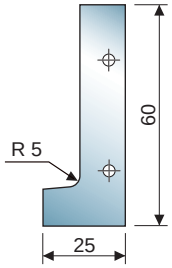
CSAT031



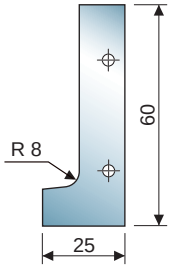
CSAT033



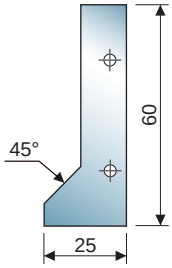
CSAT035



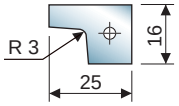
CSAT037



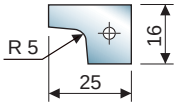
CSAT039



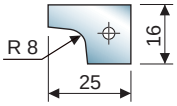
CSAT041



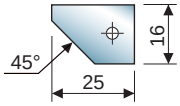
CSAT043



CSAT045



CSAT047



CSAT049



TESTA PER STONDARE O SMUSSARE REGOLABILE

Adjustable multi-profile head for rounding or chamfering
Verstellbarer Multiprofilkopf für kanten oder abrunden
Cabezal multiperfil regulable para redondear o biselar

✻ **ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

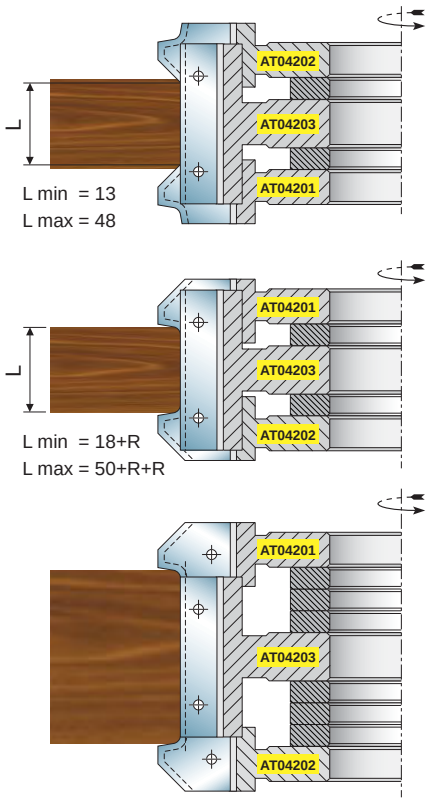
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z
AT04201	ACCIAIO	139	20	35 / 40 / 50	2
AT04202	ACCIAIO	139	20	34 / 40 / 50	2
AT04203	ACCIAIO	125	50	35 / 40 / 50	2

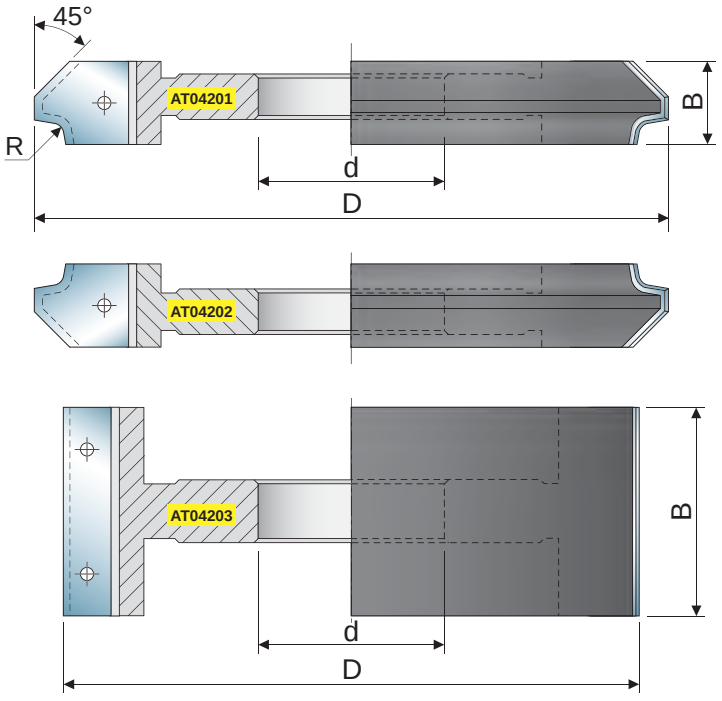
COLTELLI CON RAGGI A RICHIESTA TRA :
Knives with radius on request between :
Messer mit Radius auf Anfrage zwischen:
Cuchillas con radios a petición entre:

R= 2 - 3 - 4 - 5 - 6

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT042**		
			01	**02**	**03**
Coltello / Knife	20 x 25 x 2 DX	**CSAT050**	2	/	/
Coltello / Knife	20 x 25 x 2 SX	**CSAT051**	/	2	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	/	2
Cuneo / Wedge	20 x 13,5 x 8	**CU097**	2	2	/
Cuneo / Wedge	48 x 12 x 8	**CU098**	/	/	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2	2	4
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2	2
Set Anelli / Set Rings	d35/40/50 x 38	**SA010**	✻		
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO WOODWORKING·TOOLS

TESTA PER GIUNZIONI A 45°

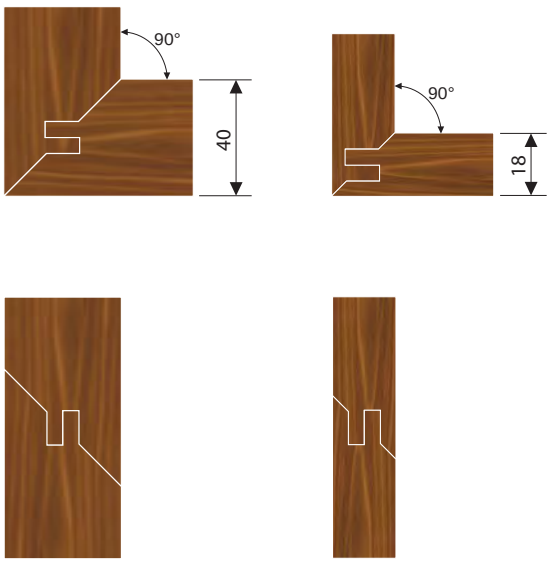


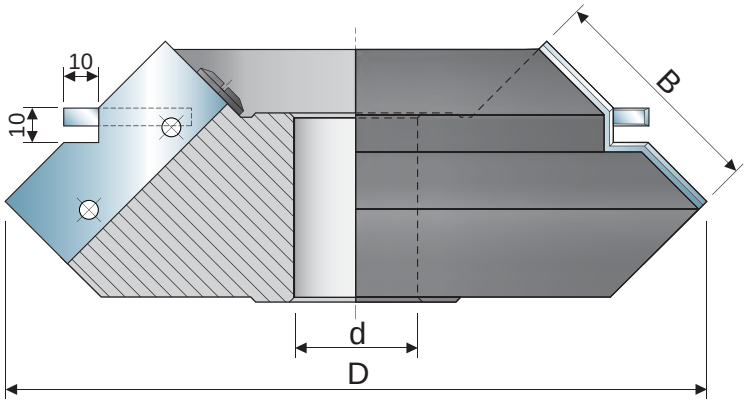
Head for joint 45°
Fügefräser 45°
Cabezal para juntas a 45°

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	I
AT05001	**ACCIAIO**	160	30	35 / 40 / 50	3	3
AT05002	**ACCIAIO**	175	60	35 / 40 / 50	3	3

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT050**	
			01	**02**
Coltello / Knife	30 x 25 x 2	**CSAT052**	3	/
Coltello / Knife	60 x 25 x 2	**CSAT053**	/	3
Inserti / Insert	34 x 16 x 5	**IPC03**	3	3
Cuneo / Wedge	28 x 15 x 8	**CU014**	3	/
Cuneo / Wedge	58 x 15 x 8	**CU017**	/	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6
Vite per Inserti / Insert's Screw	M5 x 10 Ø10	**VT003**	3	3
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3
Chiave per Inserti / Insert's Key	Esagonale 3	**CH003**	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1

ESEMPI DI LAVORAZIONE
Working Example







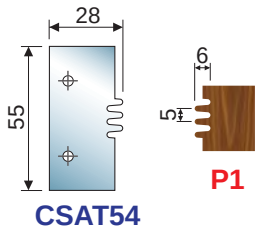
TESTA PER GIUNZIONI MULTIPROFILO

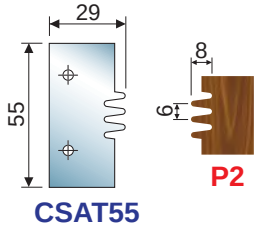
Multi-profile head for joint
Multiprofilfügefräser
Cabezal para juntas multiperfiles

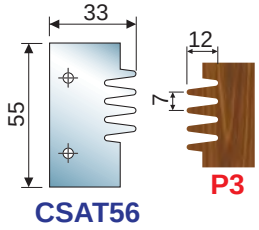
COLTELLI E SUPPORTI DA ORDINARE A PARTE.
The knives and supports must be ordered separately.
Die Messer und die Halterungen sind separat zu bestellen.
Cuchillos y soportes a pedir aparte.

CODICE CODE	MATERIALE MATERIAL	D *mm*	D1 *mm*	B *mm*	d *mm*	Z
AT06001	ACCIAIO	128	134	55	35 / 40 / 50	4
AT06002	ACCIAIO	128	136	55	35 / 40 / 50	4
AT06003	ACCIAIO	132	144	55	35 / 40 / 50	4

ESEMPI DI LAVORAZIONE
Working Example



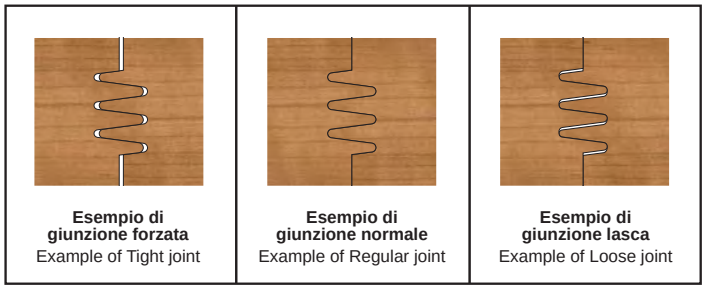




DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT060**		
			01	**02**	**03**
Cuneo / Wedge	50 x 20 x 8	**CU025**	4	4	4
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	8	8	8
Vite di Regolazione / Adjustment Screw	M5 x 8 Ø20	**VT044**	2	2	2
Vite di Bloccaggio / Block Screw	M5 x 5	**VT039**	2	2	2
Cilindo in Ottone / Brass Cylinder	Ø4 x 4	**VT043**	2	2	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2	2
Vite per Rondella / Lock washer's Screw	M4 x 8,3 Ø9	**VT013**	2	2	2
Rondella di fermo / Lock washer	Ø 20/4,5 x 3	**VT050**	2	2	2
Vite per Supporto / Support Plate's Screw	M6 x 13 Ø10,3	**VT018**	8	8	8
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1
Chiave per Vite di Blocc. / Block Screw's Key	Esagonale 2,5	**CH025**	1	1	1

COLTELLI STANDARD / Standard Knives					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT060**		
			01	**01**	**02**
Coltello P1 / Knife P1	55 x 28 x 3	**CSAT054**	4	/	/
Coltello P2 / Knife P2	55 x 29 x 3	**CSAT055**	/	4	/
Coltello P3 / Knife P3	55 x 33 x 3	**CSAT056**	/	/	4
Supporto P1 / Support Plate P1	54 x 26 x 5	**SU010**	4	/	/
Supporto P2 / Support Plate P2	54 x 27 x 5	**SU011**	/	4	/
Supporto P3 / Support Plate P3	54 x 31 x 5	**SU012**	/	/	4

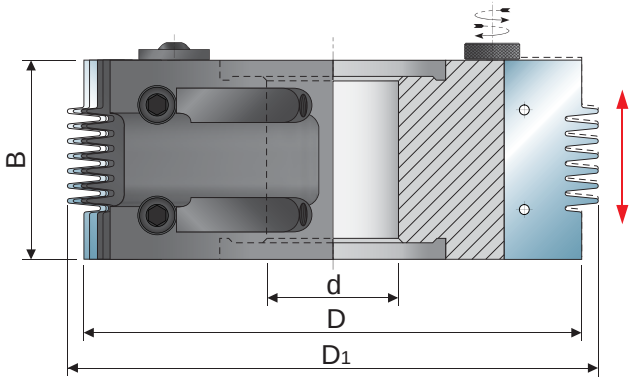
ESEMPI DI REGOLAZIONE
ADJUSTMENT EXAMPLES



Esempio di giunzione forzata
Example of Tight joint

Esempio di giunzione normale
Example of Regular joint

Esempio di giunzione lasca
Example of Loose joint





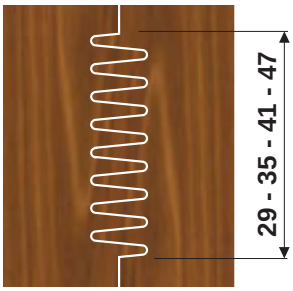
TESTA REGISTRABILE PER GIUNZIONI DA 29 A 47 mm

Adjustable head for joint from 29 to 47 mm
Verstellbarer Fügefräser vom 29 bis 47 mm
Cabezal para juntas regulables de 29 a 47 mm

*** ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

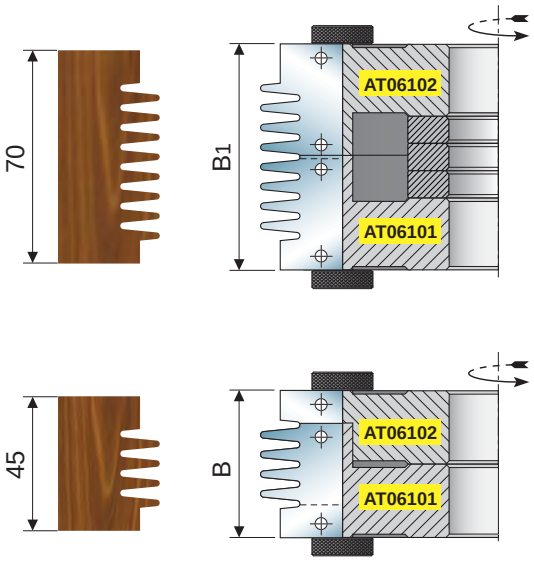
CODICE CODE	MATERIALE MATERIAL	D *mm*	B / B1 *mm*	d *mm*	Z	ROTAZ. ROTAT.
AT06101	ACCIAIO	150	56 ÷ 74	35 / 40 / 50	3	R
AT06102	ACCIAIO	150	56 ÷ 74	35 / 40 / 50	3	L

I COLTELLI SONO INCLUSI NEL PREZZO
The knives are included in the price
Die Messer sind im Preis inbegriffen
Cuchullos incluidos en el precio

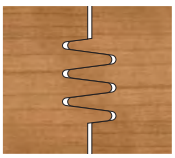


DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT061**		
			01	**02**	**03**
Coltello / Knife	40 x 26,5 x 3 DX	**CSAT059**	3	/	3
Coltello / Knife	40 x 26,5 x 3 SX	**CSAT060**	/	3	3
Cuneo / Wedge	38 x 12 x 8	**CU026**	3	3	6
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6	12
Vite di Regolazione / Adjustment Screw	M5 x 14 Ø20	**VT044**	3	3	6
Vite di Bloccaggio / Block screw	M5 x 5	**VT039**	3	3	6
Cilindo in Ottone / Brass Cylinder	Ø4 x 4	**VT043**	3	3	6
Set Anelli / Set Rings	d35/40/50 x 18	**SA011**	/	/	*
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1
Chiave per Vite di Blocc. / Block Screw's Key	Esagonale 2,5	**CH025**	1	1	1

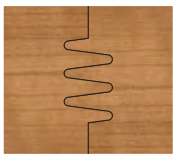
ESEMPI DI LAVORAZIONE
Working Example



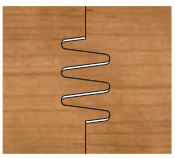
ESEMPI DI REGOLAZIONE
ADJUSTMENT EXAMPLES



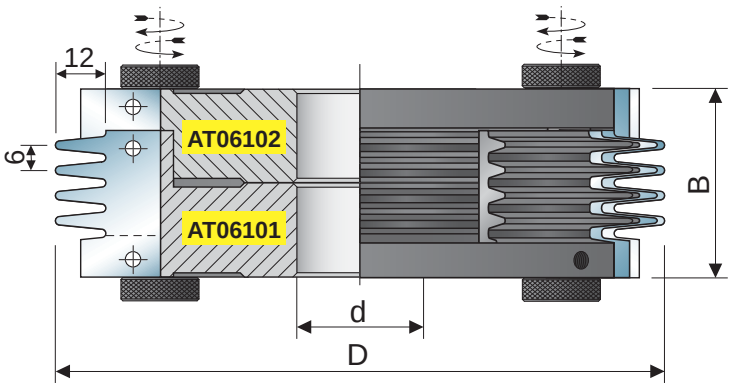
Esempio di giunzione forzata
Example of Tight joint



Esempio di giunzione normale
Example of Regular joint



Esempio di giunzione lasca
Example of Loose joint





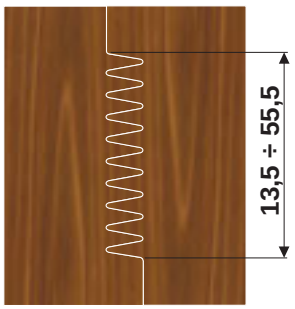
TESTA PER GIUNZIONI REGISTRABILE DA 13,5 A 55,5 mm

Adjustable head for joint from 13,5 to 55,5 mm
Verstellbarer Fügefräser vom 13,5 bis 55,5 mm
Cabezal para juntas regulables de 13,5 a 55,5 mm

*** ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z
AT06201	**ACCIAIO**	140	16	35 / 40 / 50	3 + 3
AT06202	**ACCIAIO**	140	80	35 / 40 / 50	3 + 3

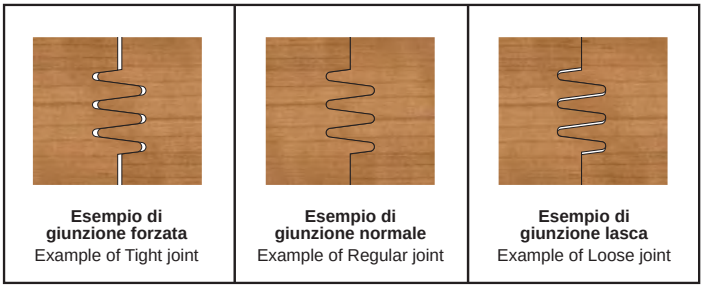
I COLTELLI SONO INCLUSI NEL PREZZO
The knives are included in the price
Die Messer sind im Preis inbegriffen
Cuchullos incluidos en el precio



DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT062	
			01	**02**
Coltello / Knife	16 x 25 x 3	**CSAT061**	3	3
Coltello / Knife	80 x 25 x 3	**CSAT062**	3	3
Cuneo / Wedge	15 x 12 x 8	**CU028**	3	3
Cuneo / Wedge	79 x 12 x 8	**CU029**	3	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	12	12
Vite di Regolazione / Adjustment Screw	M5 x 14 Ø20	**VT044**	3	3
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	3
Set Anelli / Set Rings	d35/40/50 x 42	**SA012**	*	
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	

ESEMPI DI REGOLAZIONE
ADJUSTMENT EXAMPLES

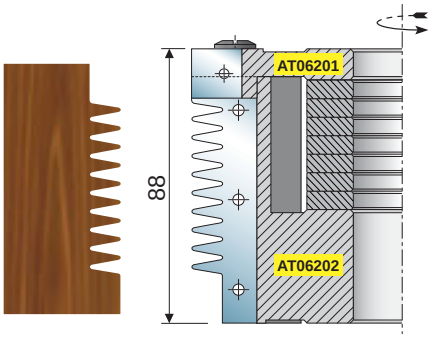


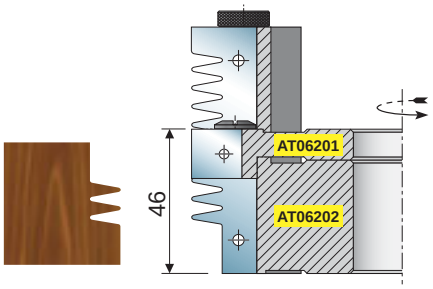
Esempio di giunzione forzata
Example of Tight joint

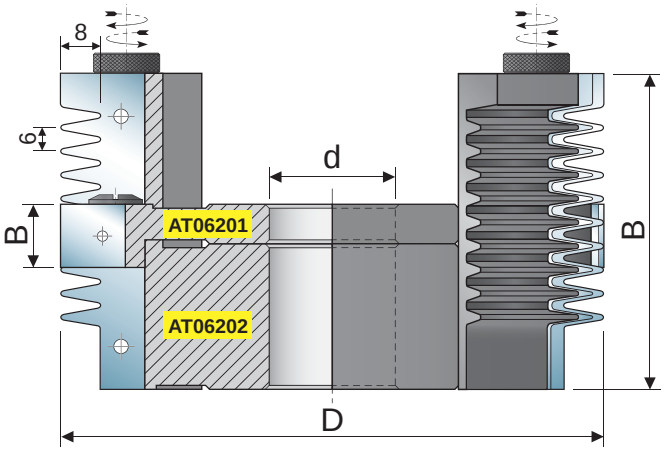
Esempio di giunzione normale
Example of Regular joint

Esempio di giunzione lasca
Example of Loose joint

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO
WOODWORKING·TOOLS



TESTA PER GIUNZIONI

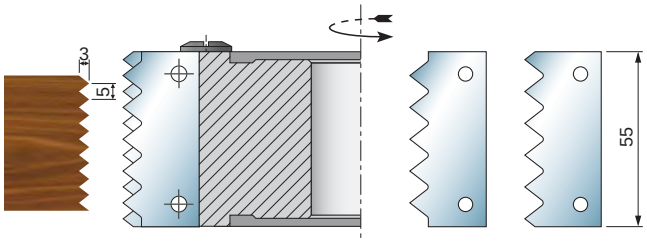
Head for joint
Fügefräser
Cabezal para juntas

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

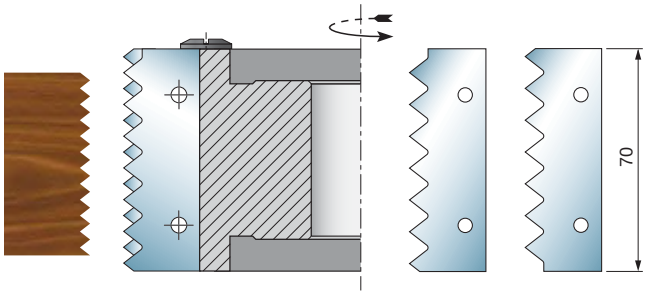
CODICE CODE	**MATERIALE** MATERIAL	**D** *mm*	**B** *mm*	**d** *mm*	**Z**
AT06301	**LEGA LEGG.**	140	55	35	2 + 2
AT06302	**LEGA LEGG.**	140	70	35	2 + 2

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT063**	
			01	**02**
Coltello / Knife	55 x 25 x 3	**CSAT063**	2	/
Coltello / Knife	55 x 25 x 3	**CSAT064**	2	/
Coltello / Knife	70 x 25 x 3	**CSAT065**	/	2
Coltello / Knife	70 x 25 x 3	**CSAT066**	/	2
Cuneo / Wedge	54 x 14 x 8	**CU030**	4	/
Cuneo / Wedge	69 x 14 x 8	**CU031**	/	4
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	8	12
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	4	4
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1

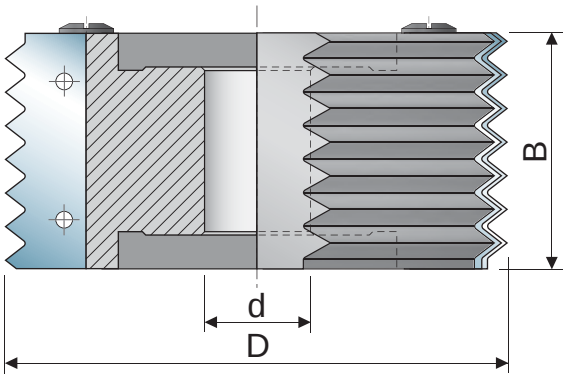
ESEMPI DI LAVORAZIONE
Working Example



CSAT38 **CSAT39**



CSAT40 **CSAT41**





TESTA PER GIUNZIONI MINIZINKEN REGOLABILE MODULARE

Adjustable modular head for joint Minizinken
Verstellbarer modular Minizinken Fügefräser
Cabezal para juntas Minizinken regulables modular

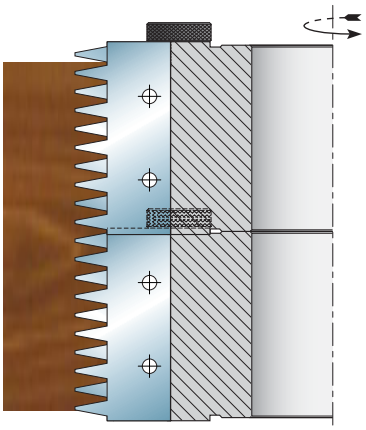
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	P.P.
AT06401	ACCIAIO	160	55	40	2 + 2	4
AT06402	ACCIAIO	160	55	40	2 + 2	10
AT06403	ACCIAIO	250	60	40	3 + 3	10

COLTELLI E SUPPORTI DA ORDINARE A PARTE.
The knives and supports must be ordered separately.
Die Messer und die Halterungen sind separat zu bestellen.
Cuchillos y soportes a pedir aparte.

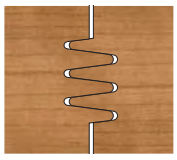
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT064		
			01	02	03
Coltello P.P.4 / Knife P.P.4	55 x 30 x 3 DX	**CSAT067**	2	/	/
Coltello P.P.4 / Knife P.P.4	55 x 30 x 3 SX	**CSAT068**	2	/	/
Coltello P.P.10 / Knife P.P.10	55 x 30 x 3 DX	**CSAT069**	/	2	/
Coltello P.P.10 / Knife P.P.10	55 x 30 x 3 SX	**CSAT070**	/	2	/
Coltello P.P.10 / Knife P.P.10	60 x 30 x 3 DX	**CSAT071**	/	/	3
Coltello P.P.10 / Knife P.P.10	60 x 30 x 3 SX	**CSAT072**	/	/	3
Supporto P.P.4 / Support Plate P.P.4	53 x 30 x 5 DX	**SU025**	2	/	/
Supporto P.P.4 / Support Plate P.P.4	53 x 30 x 5 SX	**SU026**	2	/	/
Supporto P.P.10 / Support Plate P.P.10	53 x 30 x 5 DX	**SU027**	/	2	/
Supporto P.P.10 / Support Plate P.P.10	53 x 30 x 5 SX	**SU028**	/	2	/
Supporto P.P.10 / Support Plate P.P.10	58 x 30 x 5 DX	**SU029**	/	/	3
Supporto P.P.10 / Support Plate P.P.10	58 x 30 x 5 SX	**SU030**	/	/	3
Cuneo / Wedge	53 x 20 x 8	**CU025**	4	4	/
Cuneo / Wedge	58 x 20 x 8	**CU111**	/	/	6
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	8	8	12
Vite di Regolazione / Adjustment Screw	M5 x 8 Ø20	**VT044**	4	4	6
Vite di Bloccaggio / Block screw	M5 x 5	**VT039**	4	4	6
Cilindo in Ottone / Brass Cylinder	Ø4 x 4	**VT043**	4	4	6
Vite per Supporto / Support Plate's Screw	M6 x 13 Ø10,3	**VT018**	8	8	12
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1
Chiave per Vite di Blocc. / Block Screw's Key	Esagonale 2,5	**CH025**	1	1	1

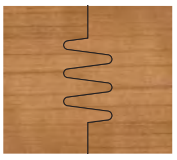
ESEMPI DI LAVORAZIONE
Working Example



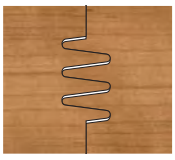
ESEMPI DI REGOLAZIONE
ADJUSTMENT EXAMPLES



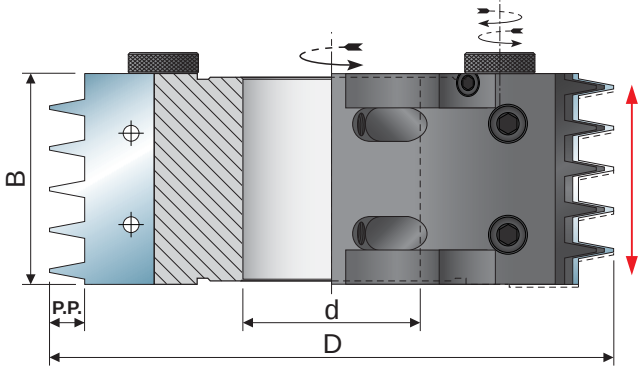
Esempio di giunzione forzata
Example of Tight joint



Esempio di giunzione normale
Example of Regular joint



Esempio di giunzione lasca
Example of Loose joint



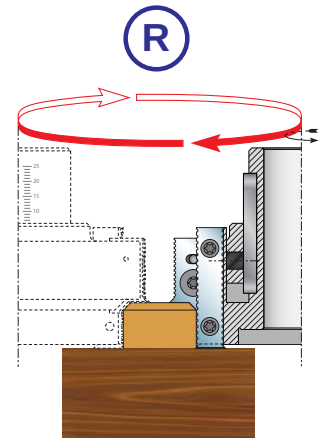


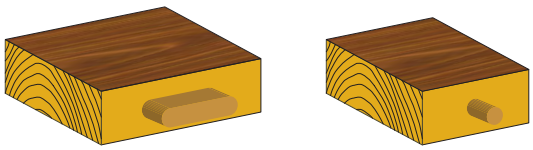
GRUPPO PER STONDANTE

Tools' set for pins on tenoning machine
Werkzeugsatz für stiften für Zapfenschneidmaschine
Cabezal para espinas para máquina para fabricar patillas

CODICE CODE	MATERIALE MATERIAL	D *mm*	D1 *mm*	B *mm*	d *mm*	Z	R	ROTAZ. ROTAT.
AT06501	ACCIAIO	60	75	8,7÷33	25	3 + 3	6	R
AT06502	ACCIAIO	60	75	8,7÷33	25	3 + 3	6	L
AT06503	ACCIAIO	70	85	8,7÷40	25	3 + 3	6	R
AT06504	ACCIAIO	70	85	8,7÷40	25	3 + 3	6	L
AT06505	ACCIAIO	90	150	8,3÷52	30	3 + 6	6 + 3	R

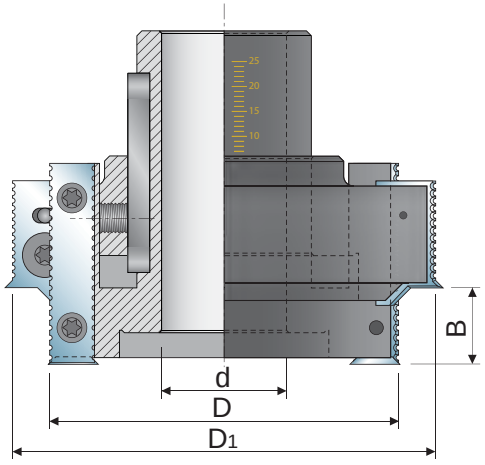
ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT065		
			01/02	03/04	05
Coltello FIX / Knife FIX	25 x 20 x 2	**CSAT073**	3	3	/
Coltello FIX / Knife FIX	30 x 25 x 2	**CSAT074**	/	/	6
Coltello / Knife	29,5 x 9 x 1,5	**CSAT075**	3	/	/
Coltello / Knife	39,5 x 9 x 1,5	**CSAT076**	/	3	/
Coltello / Knife	50 x 12 x 1,7	**CSAT077**	/	/	3
Rasante / Spur	10 x 10 X 1,5	**RAS01**	6	6	/
Rasante / Spur	14 x 14 X 2	**RAS02**	/	/	9
Linguetta / Shaft Key	6 x 4 x 40	**UNI7510**	1	1	/
Linguetta / Shaft Key	8 x 7 x 50	**UNI6604**	/	/	1
Vite di bloccaggio / Locking Screw	M6 x 16	**VT006**	1	1	/
Vite di bloccaggio / Locking Screw	M8 x 16	**VT005**	/	/	1
Vite per Coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	3	3	12
Vite per Coltello / Knife's Screw	M3,5 x 6,5 Ø6	**VT047**	6	6	/
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø9	**VT026**	/	/	9
Vite per Rasante / Spur's Screw	M4 x 6,5 Ø6	**VT046**	6	6	/
Vite per Rasante / Spur's Screw	M5 x 4 Ø9	**VT065**	/	/	6
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	3
Chiave di blocc. / Locking Screw' Key	Esagonale 3	**CH003**	1	1	/
Chiave di blocc. / Locking Screw' Key	Esagonale 4	**CH004**	/	/	1
Chiave per Rasante / Spur's Key	Torx 9	**TK009**	1	1	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1





TESTA PER GIUNZIONI MINIZINKEN MODULARE

Adjustable modular head for joint Minizinken
Verstellbarer modular Minizinken Fügefräser
Cabezal para juntas Minizinken regulables modular

IPM01	IPM02	IPM03	IPM04
			

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	P.P. *mm*	ROTAZIONE ROTATION	
AT066	ACCIAIO	160	22,7	40	2 + 2	10	**01** - L	**09** - R
AT066	ACCIAIO	160	37,9	40	2 + 2	10	**02** - L	**10** - R
AT066	ACCIAIO	250	22,7	60	3 + 3	10	**03** - L	**11** - R
AT066	ACCIAIO	250	37,9	60	3 + 3	10	**04** - L	**12** - R
AT066	ACCIAIO	250	22,7	60	4 + 4	10	**05** - L	**13** - R
AT066	ACCIAIO	250	37,9	60	4 + 4	10	**06** - L	**14** - R
AT066	ACCIAIO	250	22,7	60	6 + 6	10	**07** - L	**15** - R
AT066	ACCIAIO	250	37,9	60	6 + 6	10	**08** - L	**16** - R
AT066	ACCIAIO	160	7,5 / 15	40	2	10	**17** - L	**25** - R
AT066	ACCIAIO	160	7,5 / 19	40	2	10	**18** - L	**26** - R
AT066	ACCIAIO	250	7,5 / 15	60	3	10	**19** - L	**27** - R
AT066	ACCIAIO	250	7,5 / 19	60	3	10	**20** - L	**28** - R
AT066	ACCIAIO	250	7,5 / 15	60	4	10	**21** - L	**29** - R
AT066	ACCIAIO	250	7,5 / 19	60	4	10	**22** - L	**30** - R
AT066	ACCIAIO	250	7,5 / 15	60	6	10	**23** - L	**31** - R
AT066	ACCIAIO	250	7,5 / 19	60	6	10	**24** - L	**32** - R

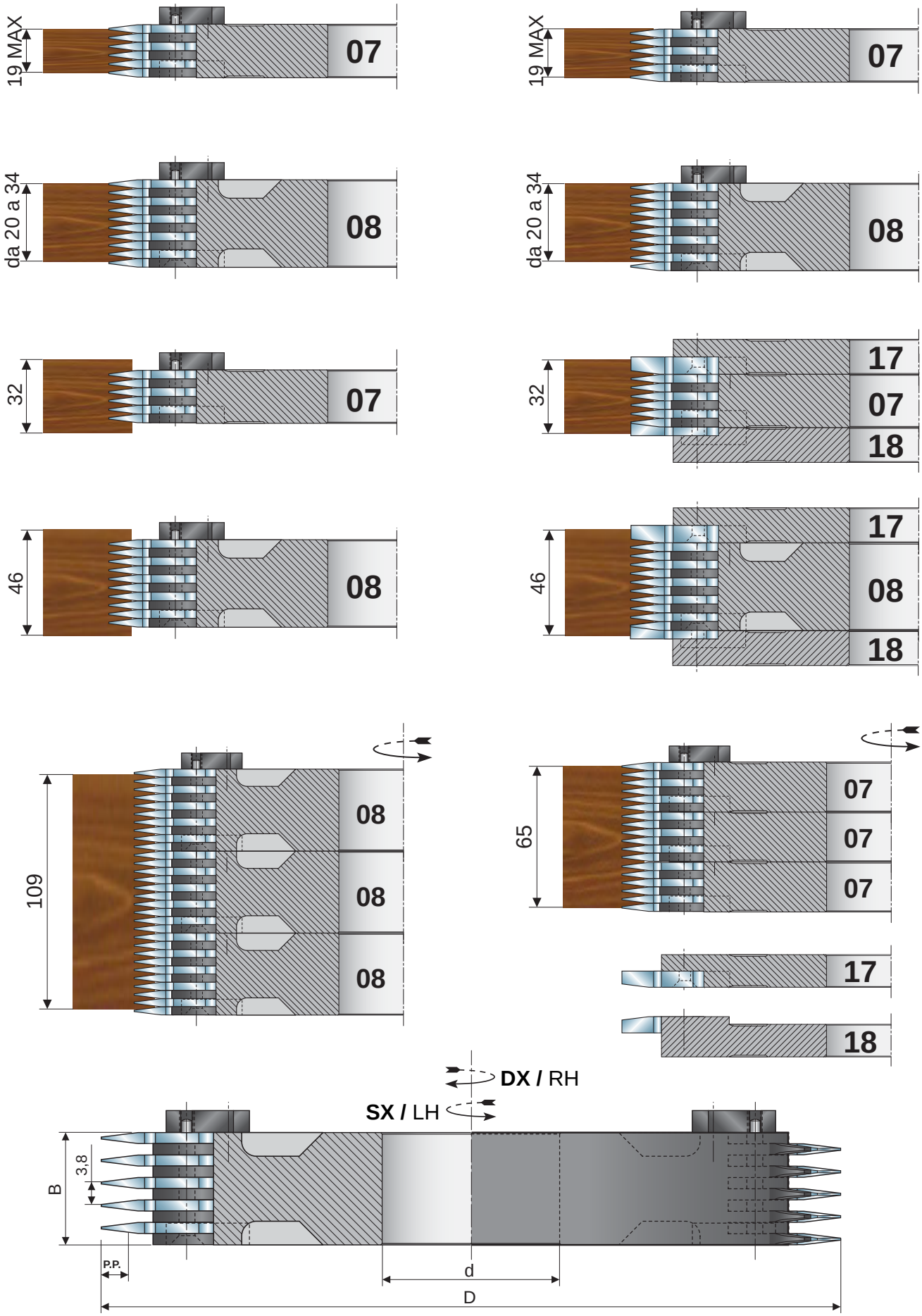
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT066															
			01	**09**	**02**	**10**	**03**	**11**	**04**	**12**	**05**	**13**	**06**	**14**	**07**	**15**	**08**	**16**
Inserto SX / insert LT	13 x 38 x 3,7	**IPM01**	6	6	10	10	9	9	15	15	12	12	20	20	18	18	30	30
Inserto DX / insert RT	13 x 38 x 3,7	**IPM02**	6	6	10	10	9	9	15	15	12	12	20	20	18	18	30	30
Distanziale / Spacer	12,6 x 19,7 x 3,9	**SU043**	8	8	16	16	12	12	24	24	16	16	32	32	24	24	48	48
Distanziale / Spacer	12,6 x 19,7 x 3,8	**SU044**	2	2	2	2	3	3	3	3	4	4	4	4	6	6	6	6
Distanziale svasato SX / Spacer countersunk LT	12,6 x 19,7 x 3,8	**SU046**	2	/	2	/	3	/	3	/	4	/	4	/	6	/	6	/
Distanziale svasato DX / Spacer countersunk RT	12,6 x 19,7 x 3,8	**SU047**	/	2	/	2	/	3	/	3	/	4	/	4	/	6	/	6
Vite per Inserto / Insert's Screw	M5 x 30 Ø9,8	**VT072**	4	4	/	/	6	6	/	/	8	8	/	/	12	12	/	/
Vite per Inserto / Insert's Screw	M5 x 45 Ø9,8	**VT073**	/	/	4	4	/	/	6	6	/	/	8	8	/	/	12	12
Chiave / Key	Esagonale 3	**CH003**	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT066															
			17	**25**	**18**	**26**	**19**	**27**	**20**	**28**	**21**	**29**	**22**	**30**	**23**	**31**	**24**	**32**
Inserto SX / insert LT	13 x 38 x 7,5	**IPM03**	2	/	/	2	3	/	/	3	4	/	/	4	6	/	/	6
Inserto DX / insert RT	13 x 38 x 7,5	**IPM04**	/	2	2	/	/	3	3	/	/	4	4	/	/	6	6	/
Vite per Inserto / Insert's Screw	M5 x 12 Ø10	**VT003**	2	2	2	2	3	3	3	3	4	4	4	4	6	6	6	6
Chiave / Key	Esagonale 3	**CH003**	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





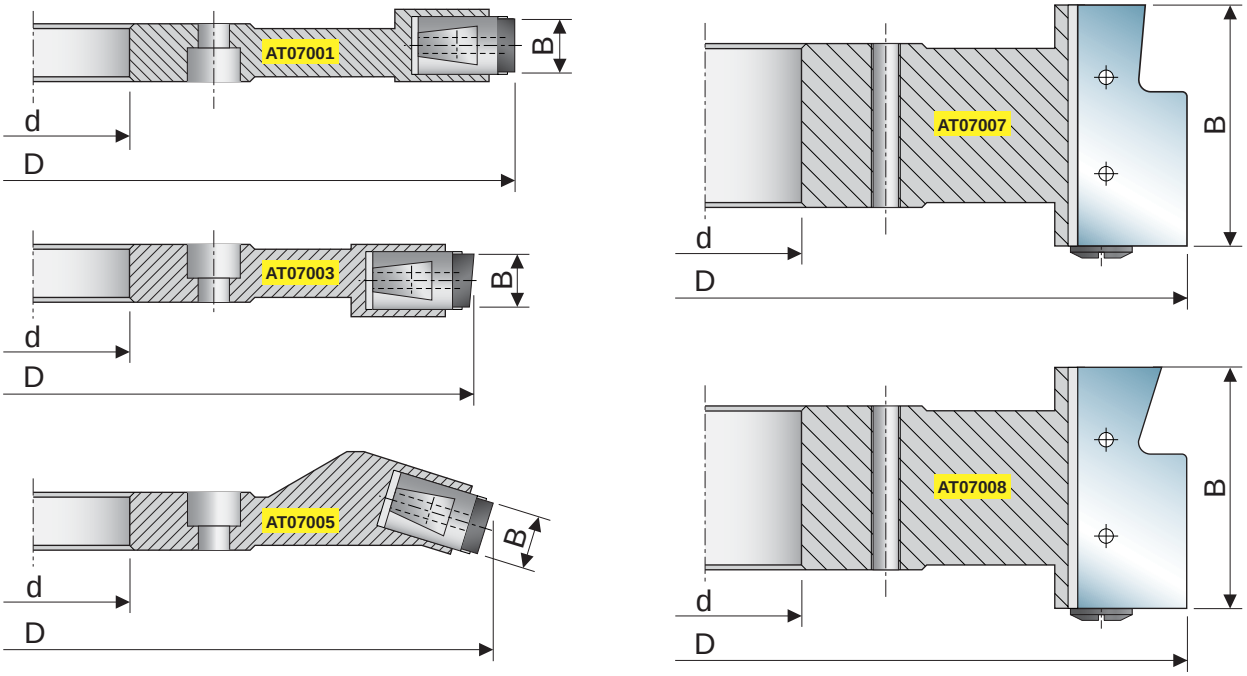
TESTA PER PORTA CON INSERTI IN DIAMANTE

Head for doors with diamond inserts
Kopf für Türen mit Diamant-Einsätze
Cabezal para puerta con insertos de diamante

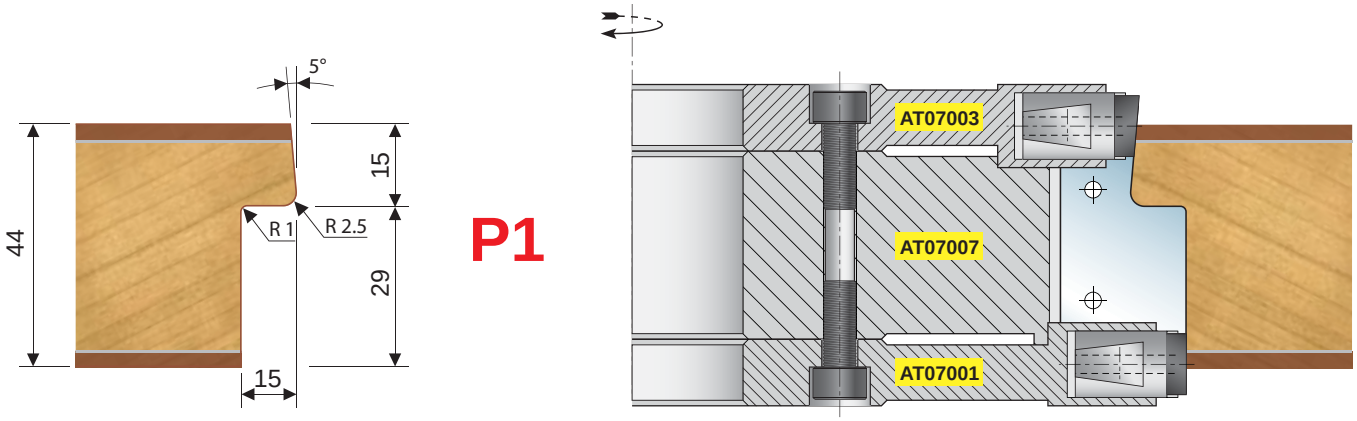
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.
AT07001	ACCIAIO	200	11	40	3	R
AT07002	ACCIAIO	200	11	40	3	L
AT07003	ACCIAIO	183	11	40	3	R
AT07004	ACCIAIO	183	11	40	3	L
AT07005	ACCIAIO	190,6	11	40	3	R
AT07006	ACCIAIO	190,6	11	40	3	L
AT07007	ACCIAIO	200	50	40	6	R
AT07008	ACCIAIO	200	50	40	6	L

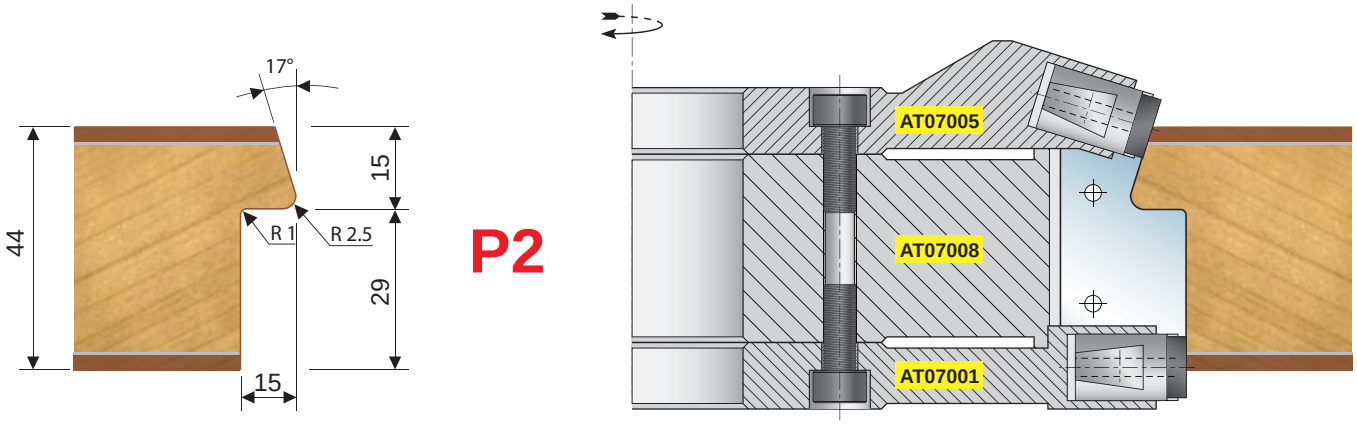
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT070							
			01	02	03	04	05	06	07	08
Inserto DP / DP Insert	Ø12 X 20 DX	**IDP01**	3	/	/	/	3	/	/	/
Inserto DP / DP Insert	Ø12 X 20 SX	**IDP02**	/	3	/	/	/	3	/	/
Inserto DP / DP Insert	Ø12 X 20 DX	**IDP03**	/	/	3	/	/	/	/	/
Inserto DP / DP Insert	Ø12 X 20 SX	**IDP04**	/	/	/	3	/	/	/	/
Coltello / Knife	50 x 25 x 2 DX P1	**CSAT078**	/	/	/	/	/	/	6	/
Coltello / Knife	50 x 25 x 2 SX P1	**CSAT079**	/	/	/	/	/	/	/	6
Coltello / Knife	50 x 25 x 2 DX P2	**CSAT080**	/	/	/	/	/	/	6	/
Coltello / Knife	50 x 25 x 2 SX P2	**CSAT081**	/	/	/	/	/	/	/	6
Cuneo / Wedge	48 x 20 x 8	**CU084**	/	/	/	/	/	/	6	6
Viti di Assiemaggio / Assembling Screw	M6 x 22 Ø10	**VT048**	/	/	/	/	/	/	6	6
Vite per Inserto DP / DP Insert's Screw	M4 x 16	**VT030**	3	3	3	3	3	3	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	3	3	3	3	3	3	12	12
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	/	/	/	/	/	/	6	6
Chiave per Inserto / Insert's Key	Esagonale 2	**CH002**	1	1	1	1	1	1	/	/
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1
Chiave per Viti Ass. / Assembling Screw's Key	Esagonale 5	**CH005**	/	/	/	/	/	/	1	1



ESEMPI DI LAVORAZIONE
Working Example







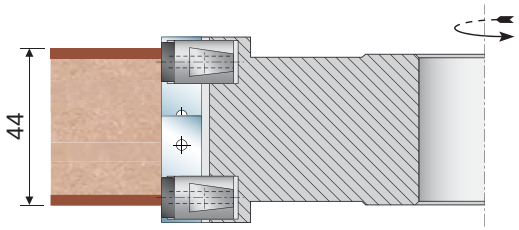
TESTA PER PORTA DRITTA CON INSERTI IN DIAMANTE

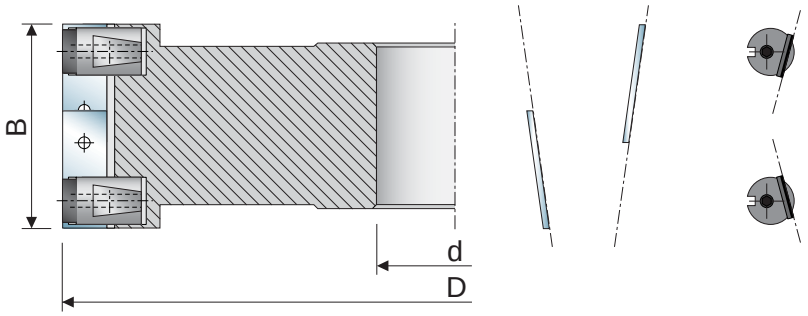
Straight Head for doors with diamond inserts
Gerader Kopf für Türen mit Diamant-Einsätze
Cabezal recto para puerta con insertos de diamante

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	I
AT07101	**ACCIAIO**	200	50	35 / 40	6 + 6	3 + 3

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT071**	
			01	**02**
Inserto DP / DP Insert	Ø12 X 20 DX	**IDP01**	3	3
Inserto DP / DP Insert	Ø12 x 20 SX	**IDP02**	3	3
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	12	12
Cuneo / Wedge	28 x 10 x 8	**CU012**	12	12
Vite per Inserto DP / DP Insert's Screw	M4 x 16	**VT030**	6	6
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	18	12
Chiave per Inserto / Insert's Key	Esagonale 2	**CH002**	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1

ESEMPI DI LAVORAZIONE
Working Example

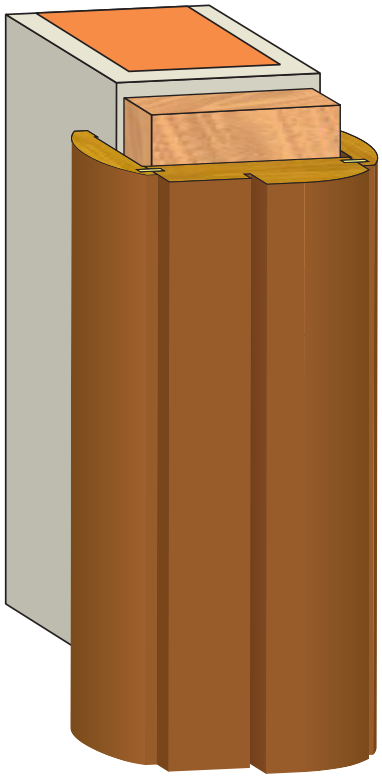




MONTENERO
WOODWORKING·TOOLS

TESTA PER ESECUZIONE TELAIO PORTA

Head for door frame
Kopf für Türrahmen
Cabezal para realizar marco de puerta



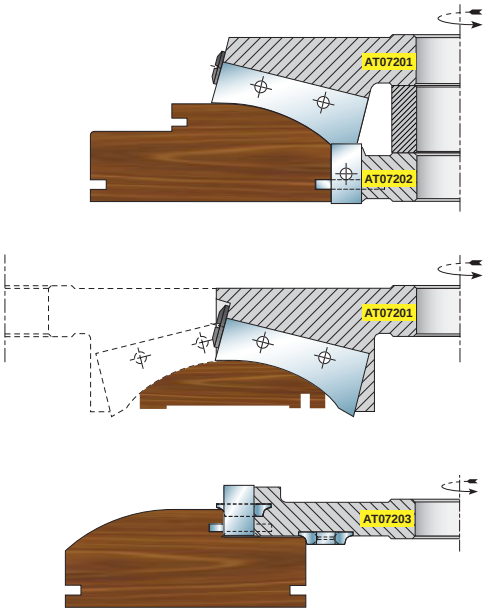
*** ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

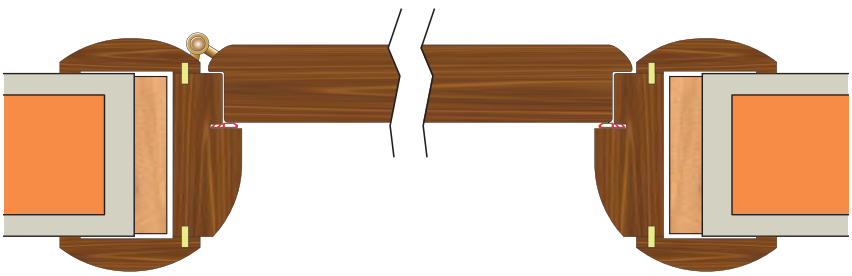
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	I	S
AT07201	ACCIAIO	200	60	35 / 40	3	/	/
AT07202	ACCIAIO	105	25	35 / 40	3	3	/
AT07203	ACCIAIO	200	20	35 / 40	3	3	3

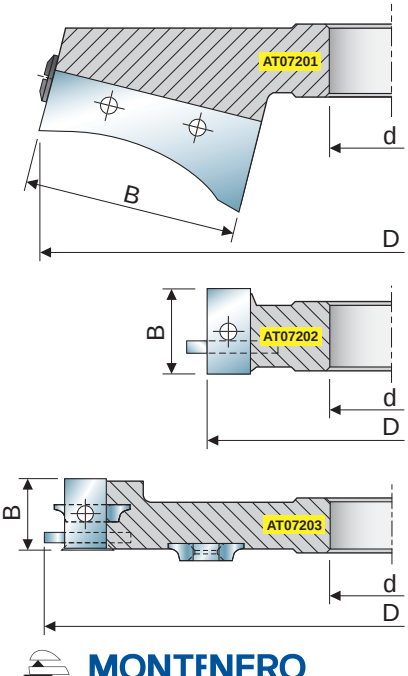
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT072		
			01	02	03
Coltello / Knife	60 x 30 x 2	**CSAT082**	3	/	/
Coltello / Knife	25 x 12 x 1,5	**CGZ209**	/	3	/
Coltello / Knife	20 x 12 x 1,5	**CGZ205**	/	/	3
Rasante / Spur	14 x 14 x 2	**RAS02**	/	/	3
Inserto per canale / Groving Insert	34 x 16 x 4	**IPC02**	/	3	3
Inserto / Insert	22 x 16 x 5	**SPF04**	/	3	6
Cuneo / Wedge	58 x 15 x 8	**CU046**	3	/	/
Cuneo / Wedge	22 x 10 x 8	**CU047**	/	3	/
Cuneo / Wedge	18 x 10 x 8	**CU048**	/	3	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	3	3
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	/	3	3
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	3	/	/
Set Anelli / Set Rings	d35/40 x 30	**SA019**	*		
Chiave per Rasante / Spur's Key	Torx 15	**TK015**	/	/	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









GRUPPO PER PORTA SCORREVOLE

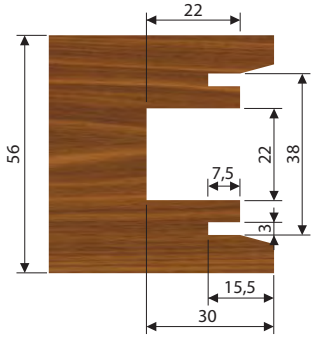
Tools' set for sliding door
Werkzeugsatz für Schiebetür
Grupo para puerta corredera

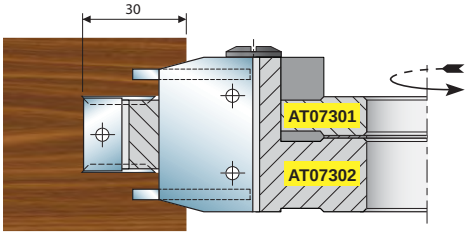
✻ **ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

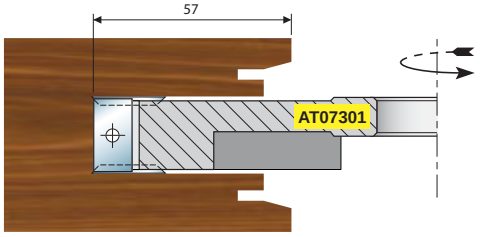
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	I
AT07301	ACCIAIO	200	22	35 / 40	2	2 + 2	/
AT07302	ACCIAIO	171	45	35 / 40	2	/	2 + 2

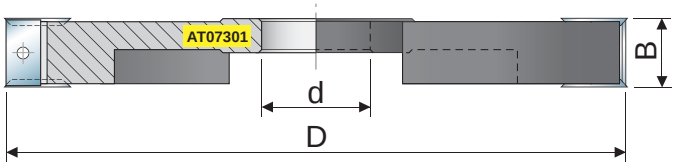
DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT073**	
			01	**02**
Coltello / Knife	45 x 29,9 x 2	**CSAT083**	/	2
Coltello / Knife	22 x 12 x 1,5	**CSAT084**	2	/
Rasante / Spur	22 x 19 x 2	**RAS06**	4	/
Inserto per canale / Groving Insert	34 x 16 x 3	**IPC04**	/	4
Cuneo / Wedge	45 x 20 x 8	**CU087**	/	2
Cuneo / Wedge	18 x 17 x 8	**CU088**	2	/
Ogiva / Nut	Ø13 x 9	**OG001**	2	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2	4
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	4	/
Viti per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	/	4
Viti per Ogiva / Nut's Screw	M8 x 22	**VT001**	2	/
Vite di riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	/	2
Set Anelli / Set Rings	d35/40 x 1	**SA015**	✻	
Chiave per Coltello / Knife's Key	Esagonale 4	**CH004**	1	1
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1

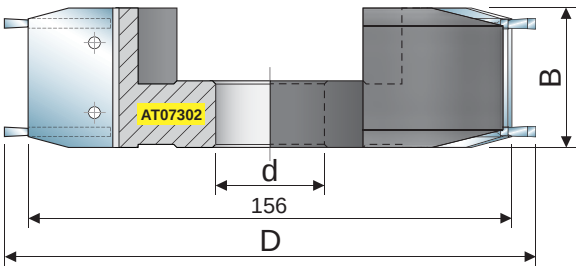
ESEMPI DI LAVORAZIONE
Working Example











MONTENERO
WOODWORKING·TOOLS



TESTA PER CREMONESE

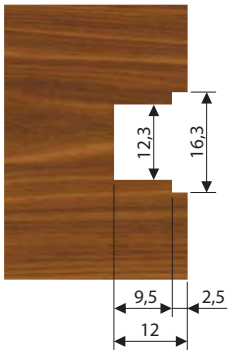
Head for Cremonesi
Kopf für Cremonesi
Cabezal para Cremonesi

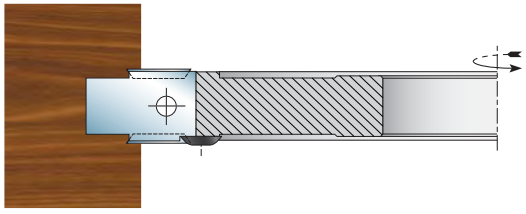
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R
AT07501	**ACCIAIO**	180	16,3	35 / 40	2	2 + 2

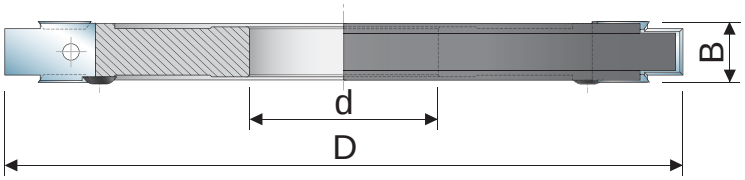
DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT075** **01**
Coltello / Knife	16 x 25 x 2	**CSAT085**	2
Rasante / Spur	14 x 14 x 2	**RAS02**	4
Cuneo / Wedge	13,5 x 12,5 x 8	**CU122**	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	4
Vite di Riferimento/ Positioning Screw	M3,5 x 6,2 Ø9	**VT029**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1
Chiave per Vite di Rif. / Positioning Screw's Key	Torx 15	**TK015**	1

ESEMPI DI LAVORAZIONE

Working Example











GRUPPO PER PROFILO E CONTROPROFILO SENZA RECUPERO LISTELLO

Tools' set for profile and counter profile without bead recovering
Profil- und Gegenprofilsatz ohne Leistegewinnung
Grupo para perfil y contraperfil sin recuperación del listel

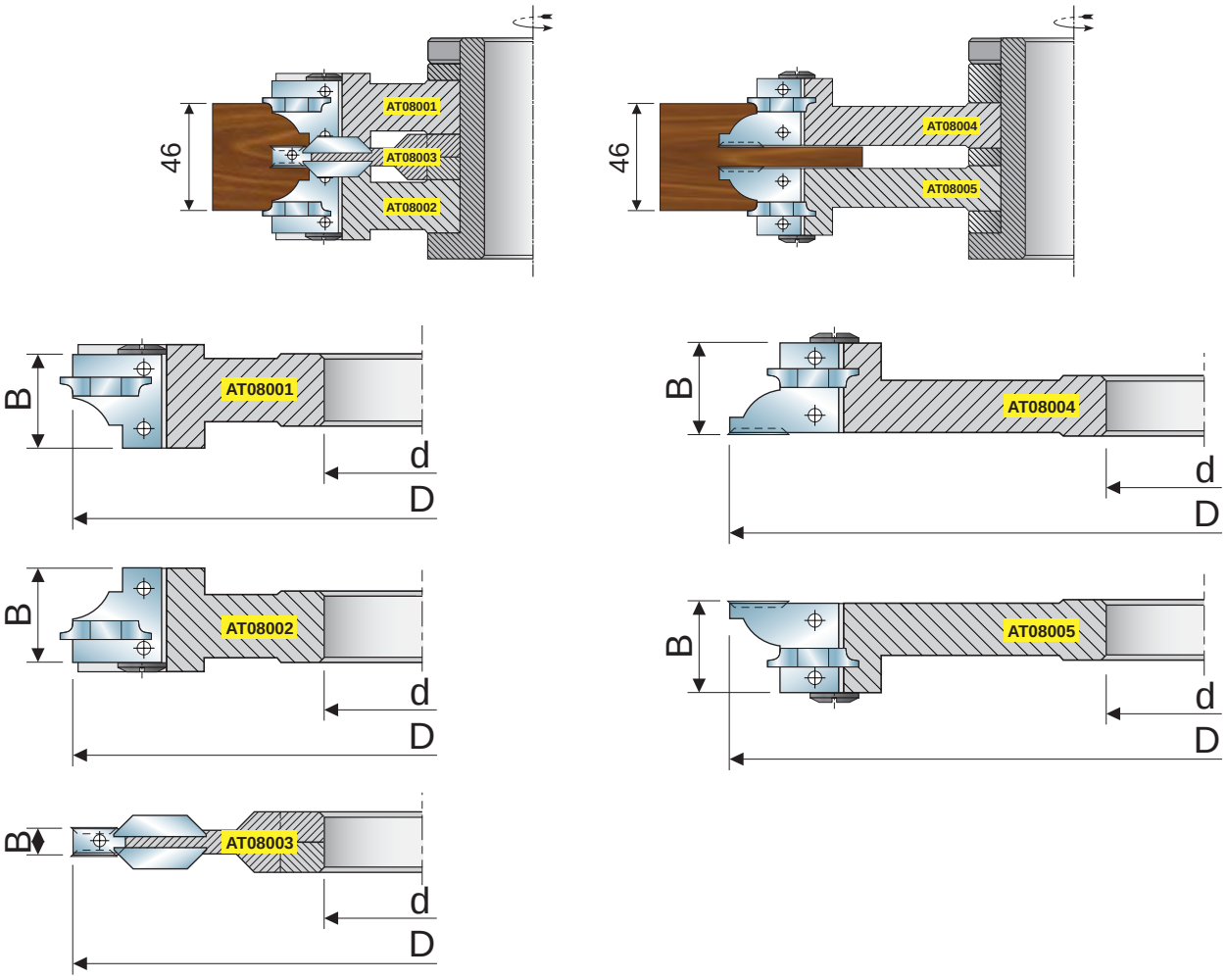
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	I
AT08001	ACCIAIO	160	25	50	2	/	2
AT08002	ACCIAIO	160	25	50	2	/	2
AT08003	ACCIAIO	160	8 ÷ 15,5	50	2 + 2	2 + 2	2 + 2
AT08004	ACCIAIO	300	25,3	50	4	2	2
AT08005	ACCIAIO	300	25,3	50	4	2	2

DISTINTA BASE / Bill of Materials

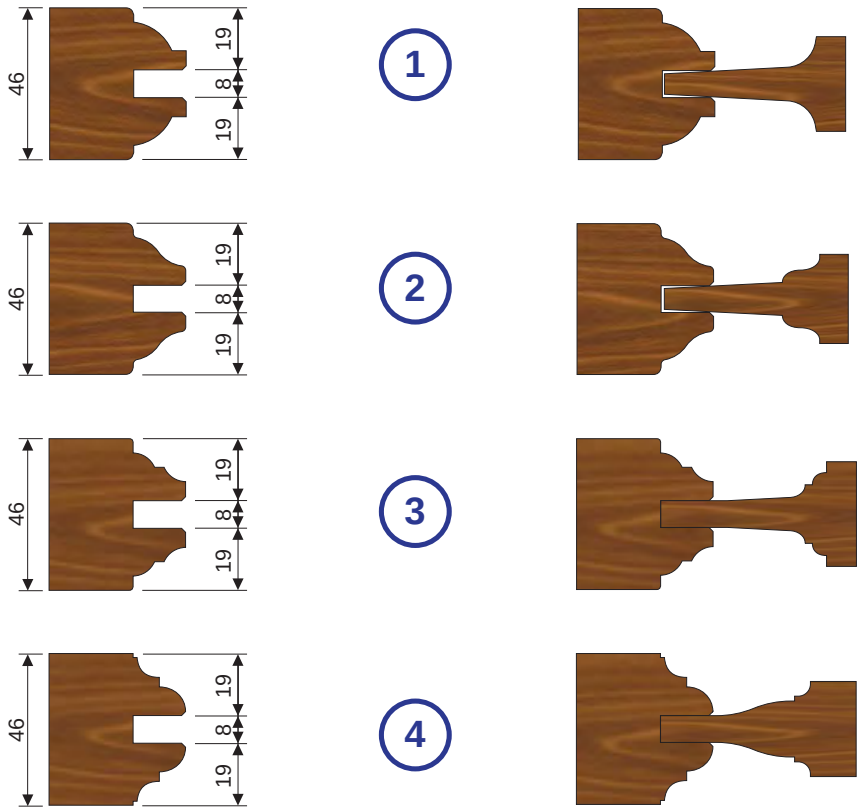
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT080				
			01	02	03	04	05
Coltello Prof. / Profile knife	25 x 30 x 2 DX	**CSAT086**	2	/	/	/	/
Coltello Prof. / Profile knife	25 x 30 x 2 SX	**CSAT087**	/	2	/	/	/
Coltello C. Prof. / Scribe Knife	25 x 30 x 2 DX	**CSAT088**	/	/	/	2	/
Coltello C. Prof. / Scribe Knife	25 x 30 x 2 SX	**CSAT089**	/	/	/	/	2
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	/	4	/	/
Rasante / Spur	14 x 14 x 2	**RAS02**	/	/	4	/	/
Rasante / Spur	22 x 19 x 2	**RAS06**	/	/	/	2	2
Inserto Smuss / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	/	/	4	/	/
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r2	**SPF03**	2	2	/	2	2
Cuneo / Wedge	25 x 20 x 8 DX	**CU090**	2	/	/	/	/
Cuneo / Wedge	25 x 20 x 8 SX	**CU091**	/	2	/	/	/
Cuneo / Wedge	25 x 20 x 8 DX	**CU092**	/	/	/	2	/
Cuneo / Wedge	25 x 20 x 8 SX	**CU093**	/	/	/	/	2
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	/	4	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2	2	/	4	4
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	/	4	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	4	2	2
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	2	2	4	2	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT001**	2	2	/	4	4
Set Anelli / Set Rings	d50 x 19,9	**SA001**	1	/	/	/	/
Set Anelli / Set Rings	d50 x 7,8	**SA007**	/	/	1	/	/
Set Anelli / Set Rings	d50 x 29,9	**SA002**	/	/	/	/	1
Chiave per Rasante / Insert's Key	Torx 20	**TK020**	/	/	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	/	1	1

LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. Seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402

ESEMPI DI LAVORAZIONE
Working Example



ESEMPI DI PROFILI
Example of Profile







GRUPPO PER PROFILO E CONTROPROFILO CON RECUPERO LISTELLO - SP=46mm

Tools' set for profile and counter profile with bead recovering - SP=46 mm
Profil- und Gegenprofilsatz mit Leistegewinnung - SP=46 mm
Grupo para perfil y contraperfil con recuperación del listel - SP=46 mm

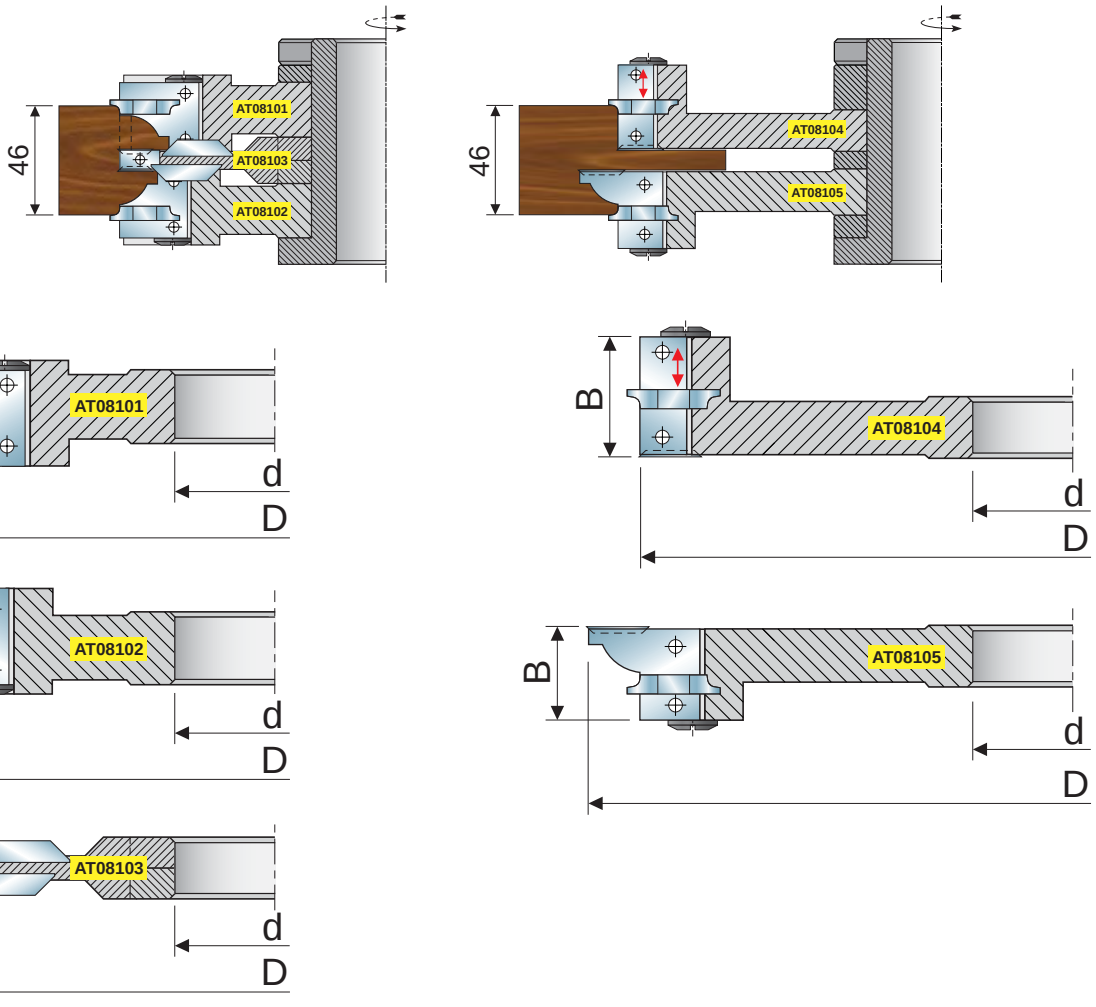
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	I
AT08101	ACCIAIO	160	25	50	2	/	2
AT08102	ACCIAIO	160	25	50	2	/	2
AT08103	ACCIAIO	160	8÷15,5	50	2 + 2	2 + 2	2 + 2
AT08104	ACCIAIO	270	25,3	50	4	2	2
AT08105	ACCIAIO	300	25,3	50	4	2	2

DISTINTA BASE / Bill of Materials

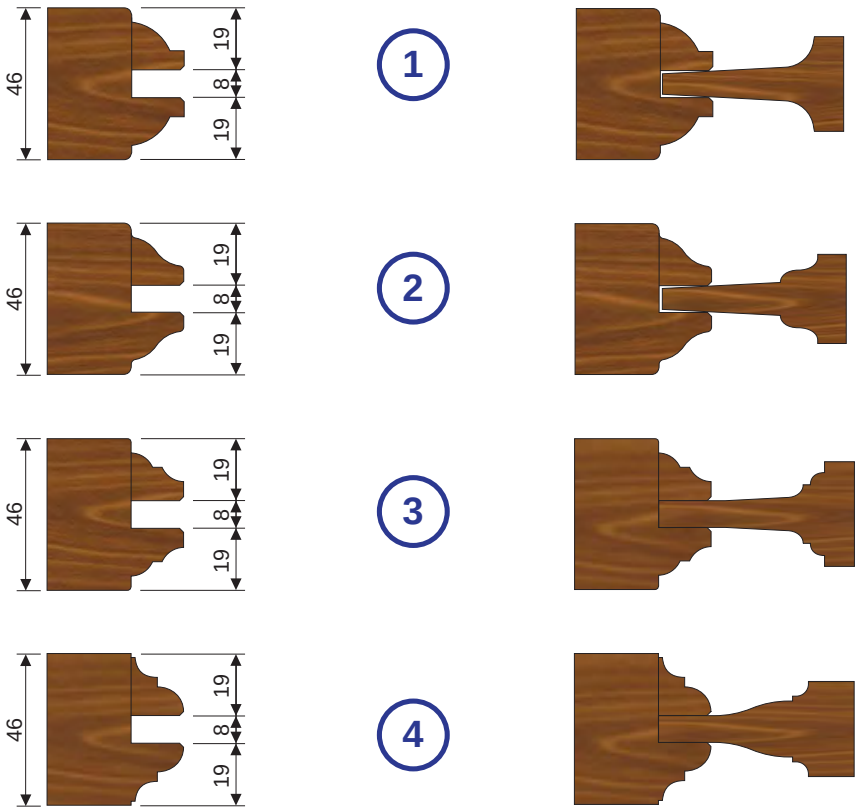
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT081				
			01	02	03	04	05
Coltello Prof. / Profile knife	25 x 35 x 2 DX	**CSAT090**	2	/	/	/	/
Coltello Prof. / Profile knife	25 x 30 x 2 SX	**CSAT087**	/	2	/	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	/	2	/
Coltello C. Prof. / Scribe Knife	25 x 30 x 2 SX	**CSAT089**	/	/	/	/	2
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	/	4	/	/
Rasante / Spur	14 x 14 x 2	**RAS02**	/	/	4	/	/
Rasante / Spur	22 x 19 x 2	**RAS06**	/	/	/	2	2
Inserto Smuss / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	/	/	4	/	/
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r2	**SPF03**	2	2	/	2	2
Cuneo / Wedge	25 x 20 x 8 DX	**CU090**	2	/	/	/	/
Cuneo / Wedge	25 x 20 x 8 SX	**CU091**	/	2	/	/	/
Cuneo / Wedge	28 x 10 x 8	**CU101**	/	/	/	2	2
Cuneo / Wedge	25 x 20 x 8 SX	**CU093**	/	/	/	/	/
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	/	4	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2	2	/	4	4
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	/	4	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	4	2	2
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	2	2	4	2	2
Vite di Riferimento / positioning Screw	M5 x 7 Ø16	**VT001**	2	2	/	4	4
Set Anelli / Set Rings	d50 x 19,9	**SA001**	1	/	/	/	/
Set Anelli / Set Rings	d50 x 7,8	**SA007**	/	/	1	/	/
Set Anelli / Set Rings	d50 x 29,9	**SA002**	/	/	/	/	1
Chiave per Rasante / Insert's Key	Torx 20	**TK020**	/	/	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	/	1	1

LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. Seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402

ESEMPI DI LAVORAZIONE
Working Example



ESEMPI DI PROFILI
Example of Profile







GRUPPO PER PROFILO E CONTROPROFILO CON RECUPERO LISTELLO- SP=54/59/64mm

Tools set for profile and counter profile with bead recovering - SP=54/59/64 mm
Profil- und Gegenprofilsatz mit Leistegewinnung - SP=54/59/64 mm
Grupo para perfil y contraperfil con recuperacin del listel - SP=54/59/64 mm

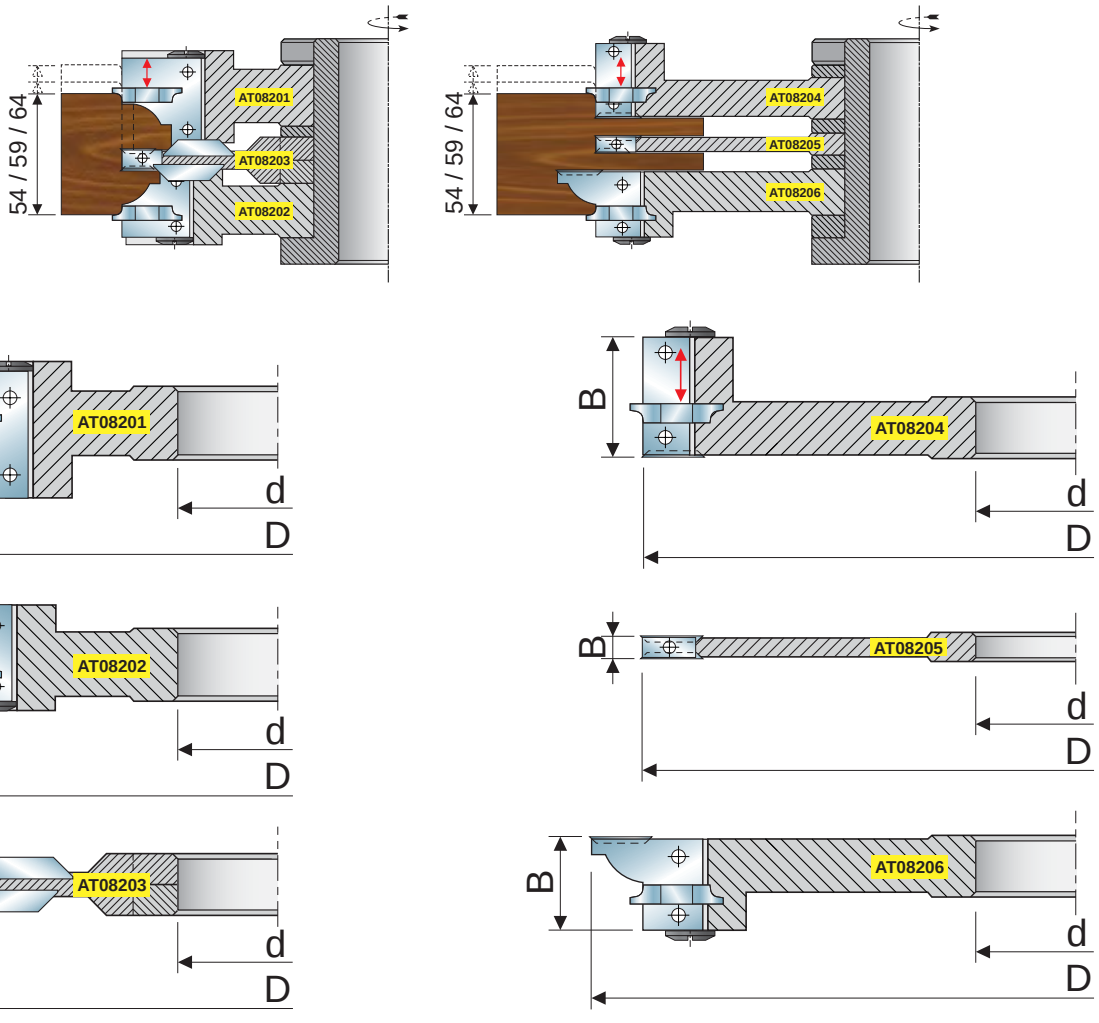
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	S
AT08201	ACCIAIO	160	40	50	2	/	2
AT08202	ACCIAIO	160	25	50	2	/	2
AT08203	ACCIAIO	160	8÷15,5	50	2 + 2	2 + 2	2 + 2
AT08204	ACCIAIO	270	40,3	50	4	2	2
AT08205	ACCIAIO	270	8	50	4	2 + 2	/
AT08206	ACCIAIO	300	25,3	50	4	2	2

DISTINTA BASE / Bill of Materials

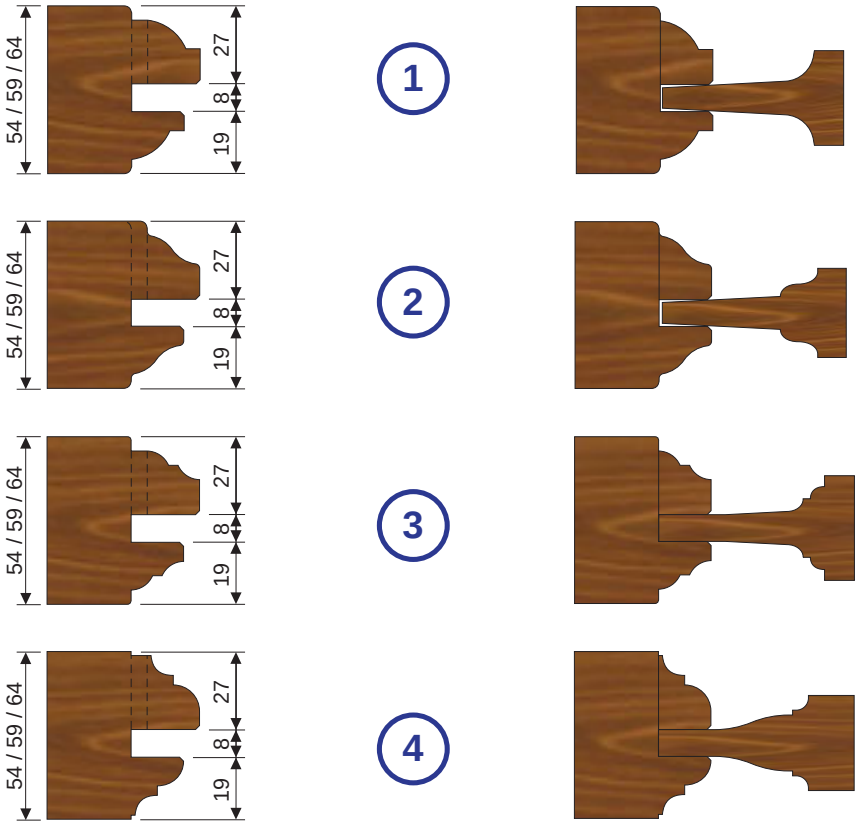
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT082					
			01	02	03	04	05	06
Coltello Prof. / Profile knife	40 x 35 x 2 DX	**CSAT091**	2	/	/	/	/	/
Coltello Prof. / Profile knife	25 x 30 x 2 SX	**CSAT092**	/	2	/	/	/	/
Coltello / Knife	40 x 12 x 1,5	**CGZ213**	/	/	/	4	/	/
Coltello C. Prof. / Scribe Knife	25 x 30 x 2 SX	**CSAT093**	/	/	/	/	/	4
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	/	/	4	/	4	/
Rasante / Spur	14 x 14 x 2	**RAS02**	/	/	4	/	/	/
Rasante / Spur	22 x 19 x 2	**RAS06**	/	/	/	2	4	2
Inserto Smuss / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	/	/	4	/	/	/
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r2	**SPF03**	2	2	/	2	/	2
Cuneo / Wedge	40 x 20 x 8 DX	**CU090**	2	/	/	/	/	/
Cuneo / Wedge	25 x 20 x 8 SX	**CU091**	/	2	/	/	/	/
Cuneo / Wedge	38 x 20 x 8 DX	**CU102**	/	/	/	4	/	/
Cuneo / Wedge	25 x 20 x 8 SX	**CU093**	/	/	/	/	/	4
Cuneo / Wedge	6 x 12 x 10	**CU011**	/	/	/	2	4	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4	2	/	8	/	/
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	/	4	/	4	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	/	4	2	4	2
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	2	2	4	2	/	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT001**	2	2	/	4	/	4
Set Anelli / Set Rings	d50 x 19,9	**SA001**	1	/	/	/	/	/
Set Anelli / Set Rings	d50 x 7,8	**SA007**	/	/	1	/	/	/
Set Anelli / Set Rings	d50 x 29,9	**SA002**	/	/	/	/	1	/
Chiave per Rasante / Insert's Key	Torx 20	**TK020**	/	/	/	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1	1	1

LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. Seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402

ESEMPI DI LAVORAZIONE
Working Example



ESEMPI DI PROFILI
Example of Profile



TESTA PER IL RECUPERO DEL LISTELLO



Head for bead recovering
Kopf für Leistegewinnung
Cabezal para recuperación del listel

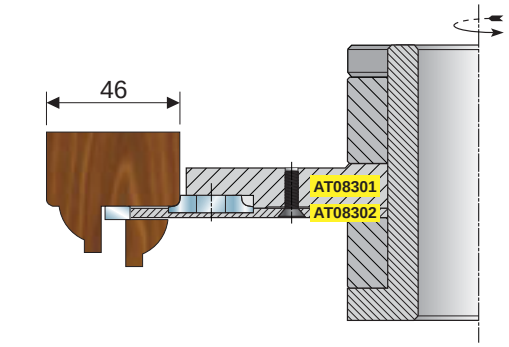
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	S
AT08301	ACCIAIO	130	5	35 / 40 / 50	2	2
AT08302	ACCIAIO	180	3	35 / 40 / 50	24	/
AT08303	ACCIAIO	200	3	35 / 40 / 50	24	/

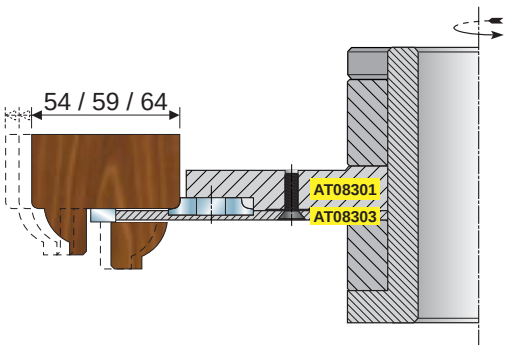
✱ **Al momento dell'ordine specificare il tipo di inserto, vedi pag. 385**
By ordering, please specify insert type, see page 385
Bei der Bestellung, bitte geben Sie den Insert-Typ an, siehe S. 385
En el pedido especificar el tipo de inserto, véase pág. 385

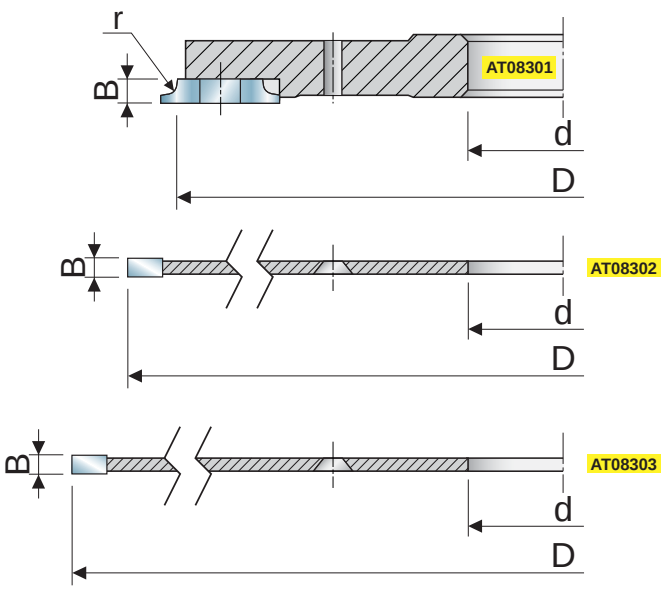
DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT083**		
			01	**02**	**03**
Inserto / Insert	22 x 16 x 5/6	**SPF** ✱	**2**	**/**	**/**
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	2	/	/
Viti di Assiemaggio / Assembling Screw	M5 x 15 Ø10	**VT011**	/	4	4
Chiave per vite / Screw's key	Esagonale 3	**CH003**	1	1	1

LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE, VEDI PAG. 402
The sleeves and the spacer rings must be ordered separately; see page 402
Die Büchsen und die Zwischenringe sind separat zu bestellen, s. seite 402
Los casquillos y los anillos distanciadores son a pedir a parte, ves pág. 402

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO
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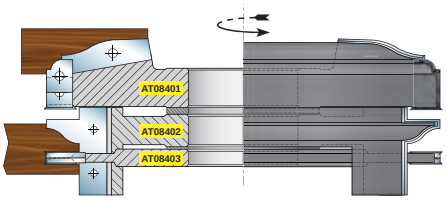
GRUPPO PER PROFILO, CONTROPROFILO E PIATTABANDA

Tools' set for profile, counterprofile and platband
Profil- Gegenprofilsatz und Adplattfräser
Grupo para perfil, contraperfil y platabanda

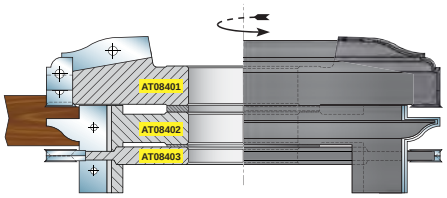
✻ **ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO**
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R
AT08401	ACCIAIO	180	32,4	35 / 40 / 50	2 + 2 + 2	2
AT08402	ACCIAIO	180	40	35 / 40 / 50	2	2
AT08403	ACCIAIO	180,4	5	35 / 40 / 50	2 + 2	2 + 2

ESEMPI DI LAVORAZIONE
Working Example



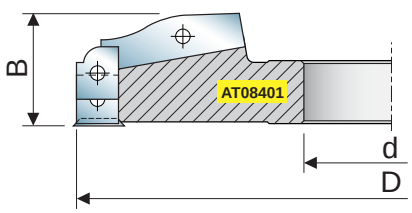


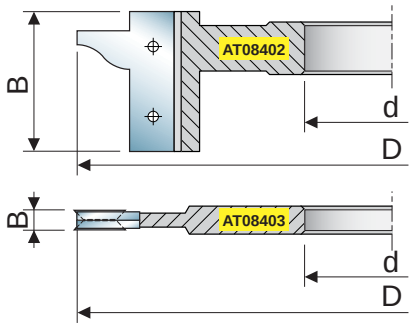




DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT084		
			01	02	03
Coltello / Knife	41 x 12 x 1,5	**CSAT094**	2	/	/
Coltello / Knife	15 x 12 x 1,5	**CSAT095**	2	/	/
Coltello / Knife	15 x 12 x 1,5	**CGZ205**	2	/	/
Coltello / Knife	40 x 30 x 2	**CSAT096**	/	2	/
Coltello / Knife	18 x 18 x 2,45	**IPCZ02**	/	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	2	/	4
Cuneo / Wedge	42 x 12 x 8	**CU103**	2	/	/
Cuneo / Wedge	13 x 12 x 10	**CU104**	2	/	/
Cuneo / Wedge	15 x 12 x 10	**CU105**	2	/	/
Cuneo / Wedge	39 x 20 x 8	**CU106**	/	2	/
Ogiva / Nut	Ø13 x 9	**OG001**	4	/	/
Vite per Cuneo / Wedge's Screw	M8 x 12	**VT049**	4	/	/
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	/	4	/
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	/	/
Vite per Rasante / Spur's Screw	M5 x 4 Ø9	**VT065**	/	/	8
Vite di Riferimento / Positioning Screw	M3,5 x 7 Ø9	**VT026**	2	/	/
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	/	2	/
Ghiera per Colt. / Knife's Threaded Rings	Ø11,8 x M4	**GH002**	/	/	4
Set Anelli / Set Rings	d35/40/50 x 4,3	**SA016**	✻		
Chiave per Ogive / Nut's Key	Esagonale 4	**CH004**	1	/	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	/	/	1





GRUPPO MULTIPROFILO PER ANTINE

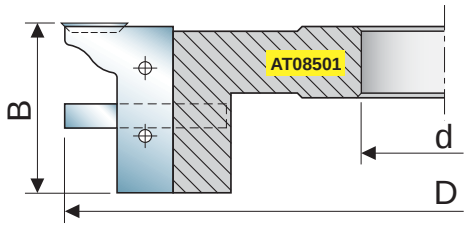


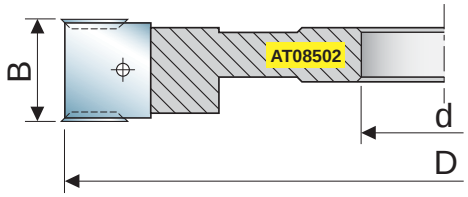
Multi-profile tools' set for cabinet
Multiprofil-Kopf für Türen
Grupo multiperfil para puertas

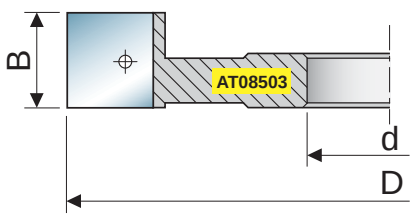
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	L *mm*	Z	R	I
AT08501	ACCIAIO	160	35	35	22 ÷ 30	2	2	2
AT08502	ACCIAIO	160	20,4	35	22 ÷ 30	2	2 + 2	/
AT08503	ACCIAIO	138	20	35	22 ÷ 30	2	/	/

COLTELLI DA ORDINARE A PARTE
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT085**		
			01	**02**	**03**
Coltello / Knife	20 x 20 x 3	**CSAT097**	/	2	2
Coltello Prof. P1 / Profile Knife P1	35 x 25 x 3	**CSAT098**	2	/	/
Coltello C. Prof. P1 / Scribe Knife P1	35 x 25 x 3	**CSAT099**	2	/	/
Coltello Prof. P2 / Profile Knife P2	35 x 25 x 3	**CSAT100**	2	/	/
Coltello C. Prof. P2 / Scribe Knife P2	35 x 25 x 3	**CSAT101**	2	/	/
Coltello P3 / Knife P3	35 x 25 x 3	**CSAT102**	2	/	/
Coltello P4 / Knife P4	35 x 25 x 3	**CSAT103**	2	/	/
Coltello P5 / Knife P5	35 x 25 x 3	**CSAT104**	2	/	/
Rasante / Spur	14 x 14 x 2	**RAS02**	2	4	/
Inserto per canale / Groving Insert	34 x 16 x 5	**IPC03**	2	/	/
Cuneo / Wedge	33 x 12 x 8	**CU044**	2	/	/
Cuneo / Wedge	17 x 17 x 8	**CU045**	/	2	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4	2	2
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	2	4	/
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	2	/	/
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	/	/
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1	/
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	/	/
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1



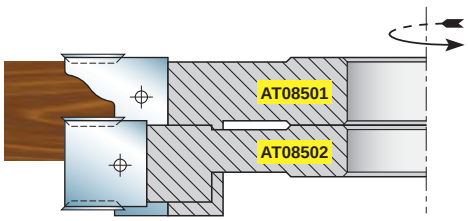


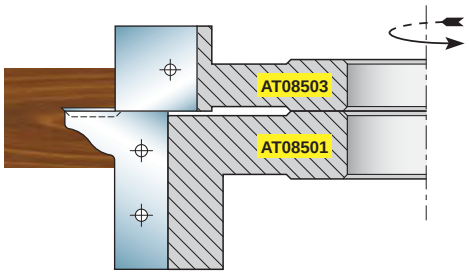


NOTE: **I PROFILI SONO GLI STESSI OTTENIBILI CON LE AP060**
Notes: The profiles are the same as those thet can be had with the AP060
Anm.: Dieselben Profile können Anwendung der Art.-Nr. AP060
Anotaciones: Los perfiles son los mismos conseguibles con los cód. AP060

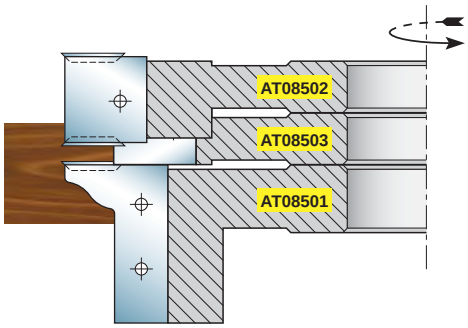
MONTENERO WOODWORKING·TOOLS

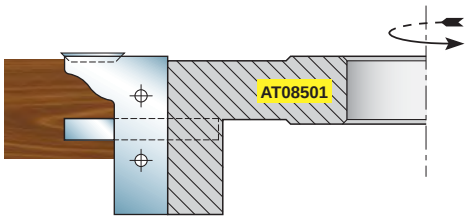
ESEMPI DI PROFILI
Example of Profile



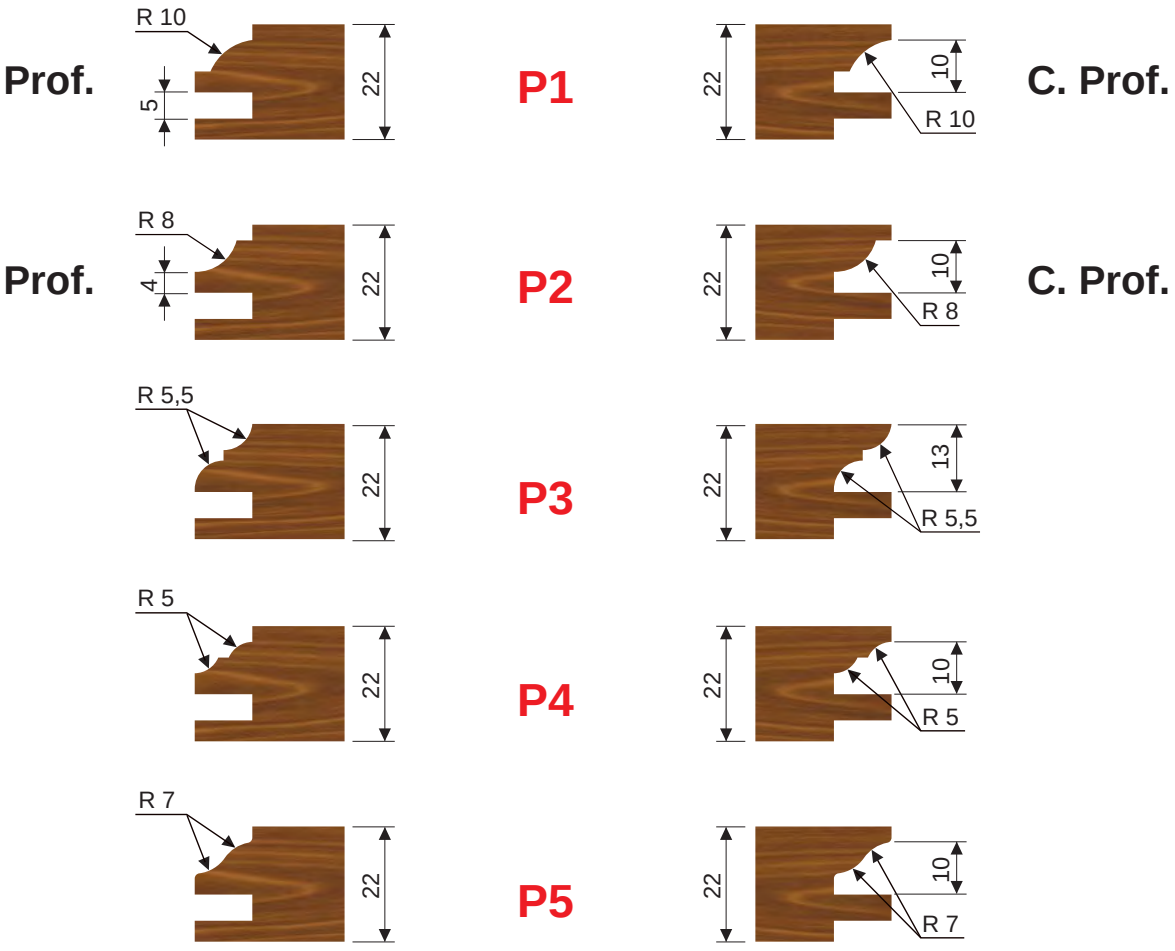












PIATTABANDA MULTIPROFILO Z2

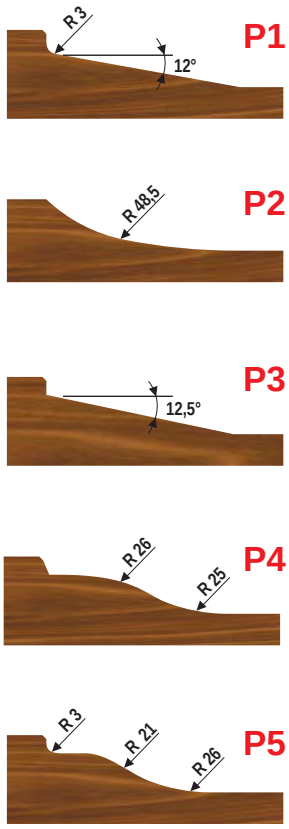


Multi-profile platband Z 2
Multiprofil-Abplattfräser Z 2
Platabanda multiperfil Z 2

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
AT08601	LEGA LEGG.	140	40	35 / 40	2	R	
AT08602	LEGA LEGG.	140	40	35 / 40	2	L	
AT08603	LEGA LEGG.	140	40	35 / 40	2	R	*
AT08604	LEGA LEGG.	140	40	35 / 40	2	L	*

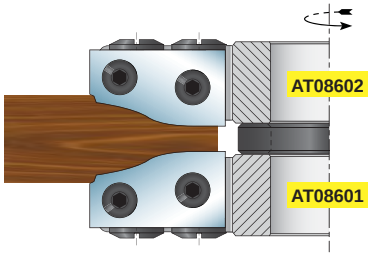
ESEMPI DI PROFILI
Example of Profile

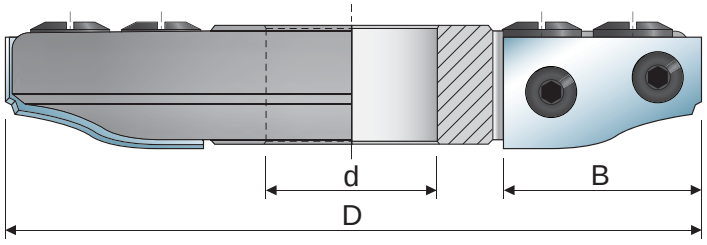


DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT086**			
			01	**02**	**03**	**04**
Coltello P1 / Knife P1	40 x 25 x 3 DX	**CSAT105**	/	/	2	/
Coltello P2 / Knife P2	40 x 25 x 3 DX	**CSAT106**	/	/	2	/
Coltello P3 / Knife P3	40 x 25 x 3 DX	**CSAT107**	/	/	2	/
Coltello P4 / Knife P4	40 x 25 x 3 DX	**CSAT108**	/	/	2	/
Coltello P5 / Knife P5	40 x 25 x 3 DX	**CSAT109**	/	/	2	/
Coltello P1 / Knife P1	40 x 25 x 3 SX	**CSAT110**	/	/	/	2
Coltello P2 / Knife P2	40 x 25 x 3 SX	**CSAT111**	/	/	/	2
Coltello P3 / Knife P3	40 x 25 x 3 SX	**CSAT112**	/	/	/	2
Coltello P4 / Knife P4	40 x 25 x 3 SX	**CSAT113**	/	/	/	2
Coltello P5 / Knife P5	40 x 25 x 3 SX	**CSAT114**	/	/	/	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT029**	4	4	4	4
Vite per Coltelli / Knife's Screw	M6 x 13 Ø10,3	**VT018**	4	4	4	4
Chiave per Coltelli / Knife's Key	Esagonale 4	**CH004**	1	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1	1

COLTELLI DA ORDINARE A PARTE
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO WOODWORKING·TOOLS

PIATTABANDA MULTIPROFILO Z3

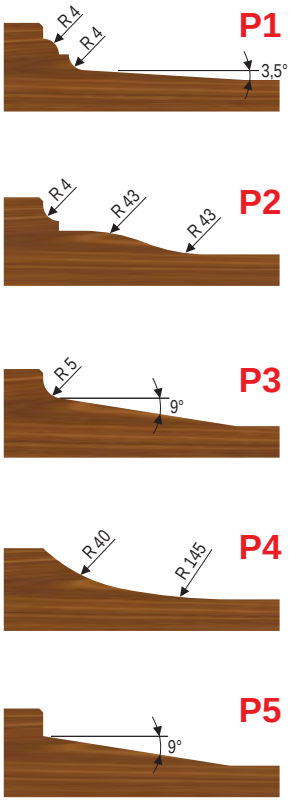


Multi-profile platband Z 3
Multiprofil-Abplattfräser Z 3
Platabanda multiperfil Z 3

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
AT08701	LEGA LEGG.	200	55	35 / 40 / 50	3	R	
AT08702	LEGA LEGG.	200	55	35 / 40 / 50	3	L	
AT08703	LEGA LEGG.	200	55	35 / 40 / 50	3	R	*
AT08704	LEGA LEGG.	200	55	35 / 40 / 50	3	L	*

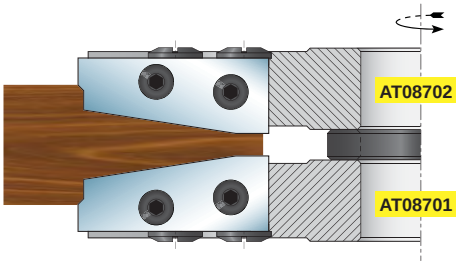
ESEMPI DI PROFILI
Example of Profile

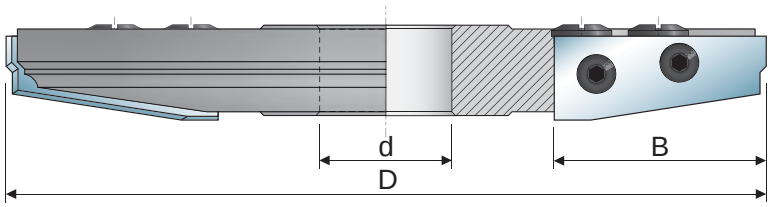


DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT087**			
			01	**02**	**03**	**04**
Coltello P1 / Knife P1	55 x 25 x 3 DX	**CSAT115**	/	/	3	/
Coltello P2 / Knife P2	55 x 25 x 3 DX	**CSAT116**	/	/	3	/
Coltello P3 / Knife P3	55 x 25 x 3 DX	**CSAT117**	/	/	3	/
Coltello P4 / Knife P4	55 x 25 x 3 DX	**CSAT118**	/	/	3	/
Coltello P5 / Knife P5	55 x 25 x 3 DX	**CSAT119**	/	/	3	/
Coltello P1 / Knife P1	55 x 25 x 3 SX	**CSAT120**	/	/	/	3
Coltello P2 / Knife P2	55 x 25 x 3 SX	**CSAT121**	/	/	/	3
Coltello P3 / Knife P3	55 x 25 x 3 SX	**CSAT122**	/	/	/	3
Coltello P4 / Knife P4	55 x 25 x 3 SX	**CSAT123**	/	/	/	3
Coltello P5 / Knife P5	55 x 25 x 3 SX	**CSAT124**	/	/	/	3
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	6	6	6	6
Vite per Coltelli / Knife's Screw	M6 x 13 Ø10,3	**VT018**	6	6	6	6
Chiave per Coltelli / Knife's Key	Esagonale 4	**CH004**	1	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1	1

COLTELLI DA ORDINARE A PARTE
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

ESEMPI DI LAVORAZIONE
Working Example







PIATTABANDA MULTIPROFILO Z2+2

Multi-profile platband Z 2+2
Multiprofil-Abplattfräser Z 2+2
Platabanda multiperfil Z 2+2

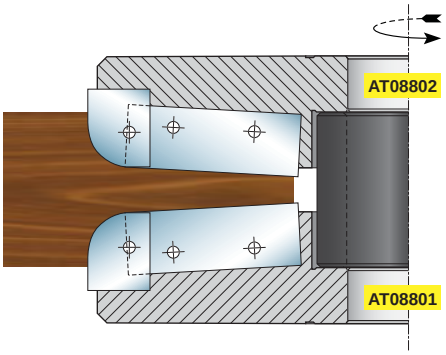
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

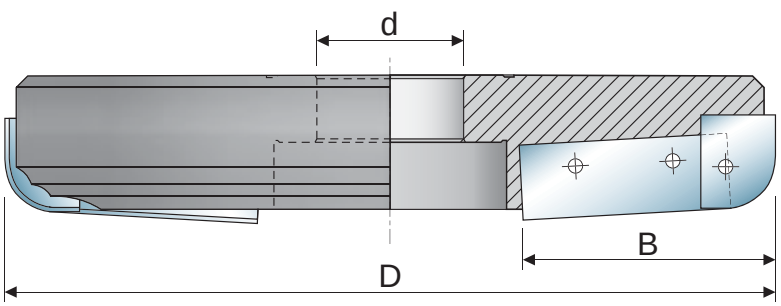
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.	KIT
AT08701	LEGA LEGG.	200	60	35 / 40	2 + 2	R	
AT08702	LEGA LEGG.	200	60	35 / 40	2 + 2	L	
AT08703	LEGA LEGG.	200	60	35 / 40	2 + 2	R	*
AT08704	LEGA LEGG.	200	60	35 / 40	2 + 2	L	*

COLTELLI DA ORDINARE A PARTE
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT088**			
			01	**02**	**03**	**04**
Cuneo / Wedge	58 x 12 x 8 DX	**CU040**	2	/	2	/
Cuneo / Wedge	58 x 12 x 8 SX	**CU041**	/	2	/	2
Cuneo / Wedge	22 x 12 x 8 DX	**CU042**	2	/	2	/
Cuneo / Wedge	22 x 12 x 8 SX	**CU043**	/	2	/	2
Vite per Cuneo / Wedge's Screw	M8 x 22	**VT001**	6	6	6	6
Ogiva / Nut	Ø13 x 9	**OG001**	6	6	6	6
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1
Valigetta / Handbag	310 x 280 x 115	**VAL01**	/	/	1	1

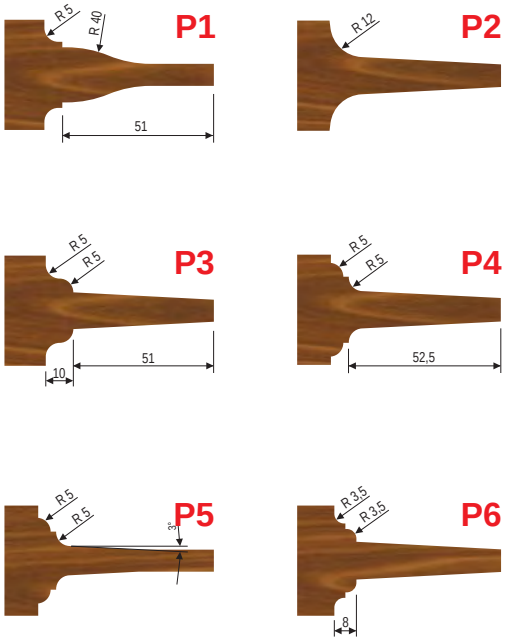
ESEMPI DI LAVORAZIONE
Working Example





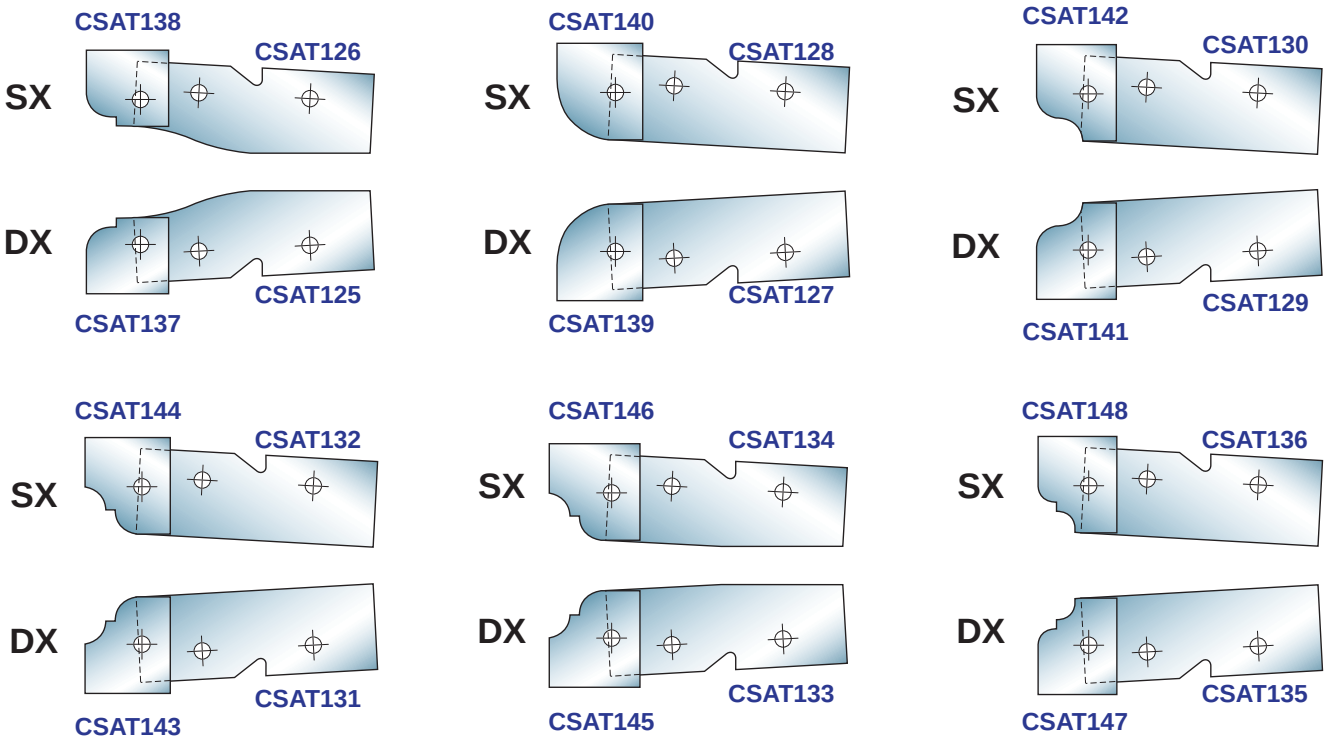
MONTENERO
WOODWORKING·TOOLS

ESEMPI DI PROFILI
Example of Profile



DOTAZIONE DEL KIT / Kit included				
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT088	
			03	04
Coltello P1 / Knife P1	60 x 25 x 2 DX	**CSAT125**	2	/
Coltello P1 / Knife P1	60 x 25 x 2 SX	**CSAT126**	/	2
Coltello P2 / Knife P2	60 x 25 x 2 DX	**CSAT127**	2	/
Coltello P2 / Knife P2	60 x 25 x 2 SX	**CSAT128**	/	2
Coltello P3 / Knife P3	60 x 25 x 2 DX	**CSAT129**	2	/
Coltello P3 / Knife P3	60 x 25 x 2 SX	**CSAT130**	/	2
Coltello P4 / Knife P4	60 x 25 x 2 DX	**CSAT131**	2	/
Coltello P4 / Knife P4	60 x 25 x 2 SX	**CSAT132**	/	2
Coltello P5 / Knife P5	60 x 25 x 2 DX	**CSAT133**	2	/
Coltello P5 / Knife P5	60 x 25 x 2 SX	**CSAT134**	/	2
Coltello P6 / Knife P6	60 x 25 x 2 DX	**CSAT135**	2	/
Coltello P6 / Knife P6	60 x 25 x 2 SX	**CSAT136**	/	2
Coltello P1 / Knife P1	25 x 25 x 2 DX	**CSAT137**	2	/
Coltello P1 / Knife P1	25 x 25 x 2 SX	**CSAT138**	/	2
Coltello P2 / Knife P2	25 x 25 x 2 DX	**CSAT139**	2	/
Coltello P2 / Knife P2	25 x 25 x 2 SX	**CSAT140**	/	2
Coltello P3 / Knife P3	25 x 25 x 2 DX	**CSAT141**	2	/
Coltello P3 / Knife P3	25 x 25 x 2 SX	**CSAT142**	/	2
Coltello P4 / Knife P4	25 x 25 x 2 DX	**CSAT143**	2	/
Coltello P4 / Knife P4	25 x 25 x 2 SX	**CSAT144**	/	2
Coltello P5 / Knife P5	25 x 25 x 2 DX	**CSAT145**	2	/
Coltello P5 / Knife P5	25 x 25 x 2 SX	**CSAT146**	/	2
Coltello P6 / Knife P6	25 x 25 x 2 DX	**CSAT147**	2	/
Coltello P6 / Knife P6	25 x 25 x 2 SX	**CSAT148**	/	2

*KIT COLTELLI STANDARD
Standard Knives' kit





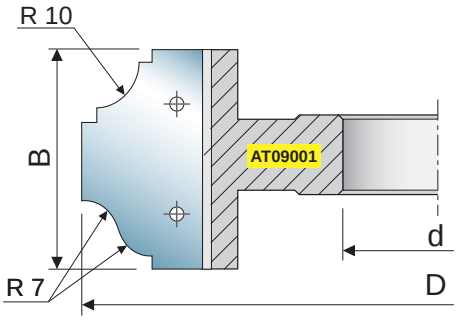


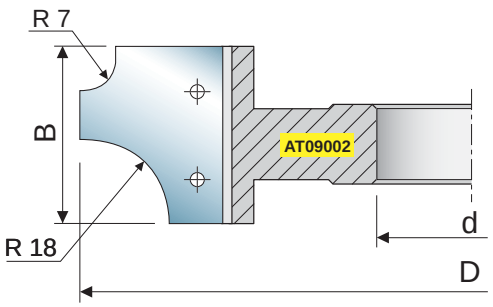
GRUPPO DI 4 TESTE PER L'ESECUZIONE DI VARI PROFILI

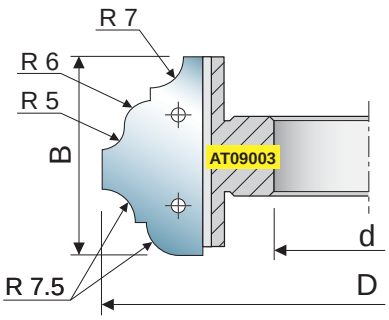
Tools' set of 4 heads for different profiles
Werkzeugsatz (4 Köpfe) für verschiedene Profilen
Grupo de 4 cabezales para varios perfiles

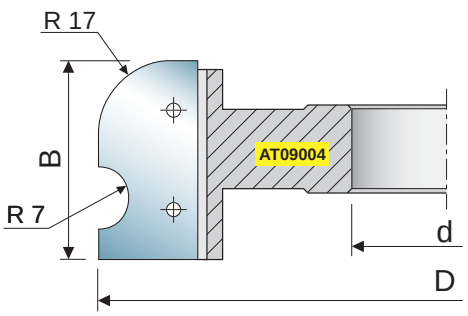
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	KIT
AT10001	ACCIAIO	154	50	35	2	
AT10002	ACCIAIO	169	40	35	2	
AT10003	ACCIAIO	113	45	35	2	
AT10004	ACCIAIO	150	45	35	2	
AT10005	ACCIAIO	**AT100 (01+02+03+04)**				*

DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT100**				
			01	**02**	**03**	**04**	**05**
Coltello / Knife	50 x 30 x 3	**CSAT149**	2	/	/	/	2
Coltello / Knife	40 x 35 x 3	**CSAT150**	/	2	/	/	2
Coltello / Knife	45 x 25 x 3	**CSAT151**	/	/	2	/	2
Coltello / Knife	45 x 25 x 3	**CSAT152**	/	/	/	2	2
Cuneo / Wedge	48 x 20 x 8	**CU107**	2	/	/	/	2
Cuneo / Wedge	37 x 20 x 8	**CU108**	/	2	/	/	2
Cuneo / Wedge	43 x 15 x 8	**CU109**	/	/	2	/	2
Cuneo / Wedge	43 x 13,5 x 8	**CU110**	/	/	/	2	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4	4	4	4	16
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2	2	2	8
Set Anelli / Set Rings	Ø35 x 49	**SA021**	/	/	/	/	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1	1	1



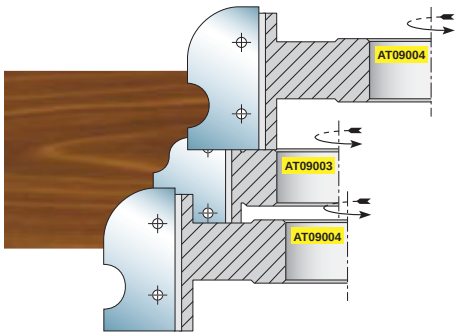


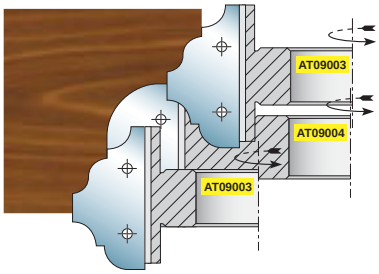


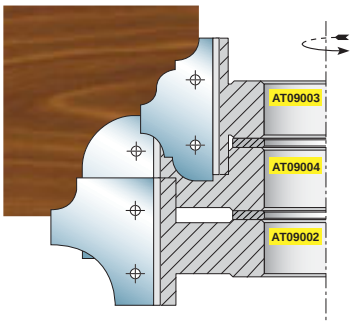


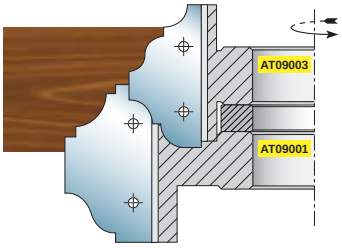
MONTENERO
WOODWORKING·TOOLS

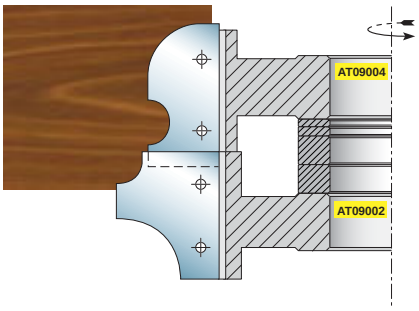
ESEMPI DI PROFILI
Example of Profile

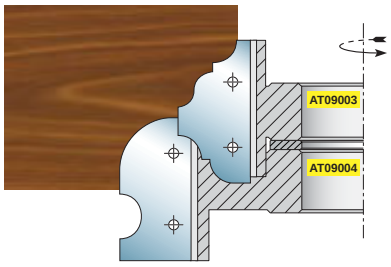


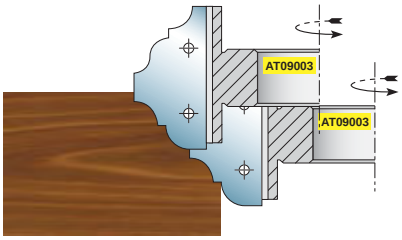


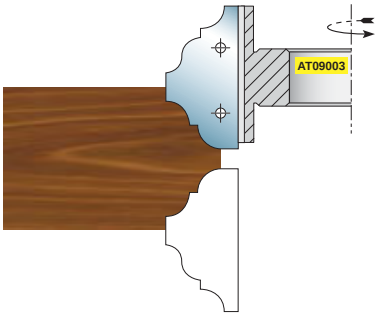


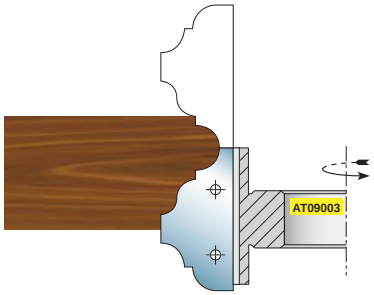


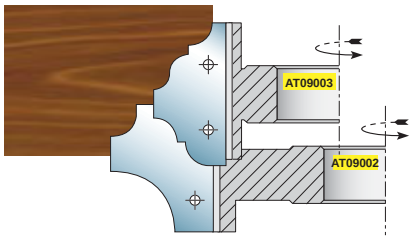


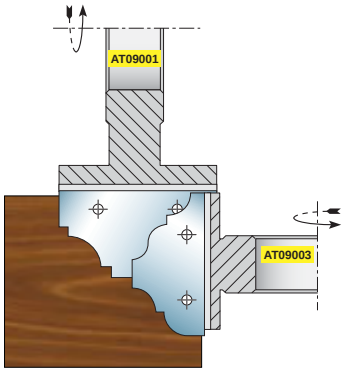


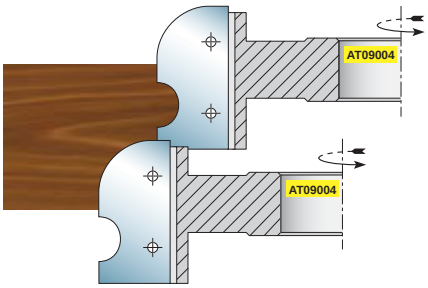


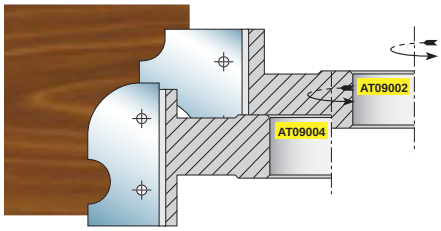


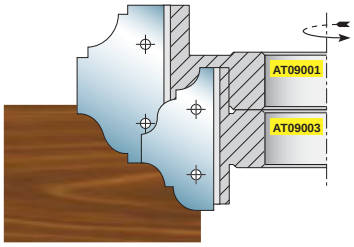


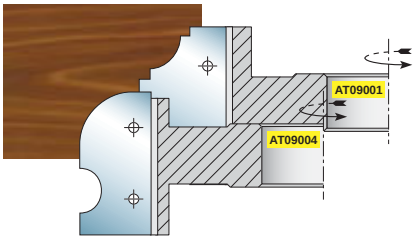












TESTA MULTIPROFILO PER CORNICI

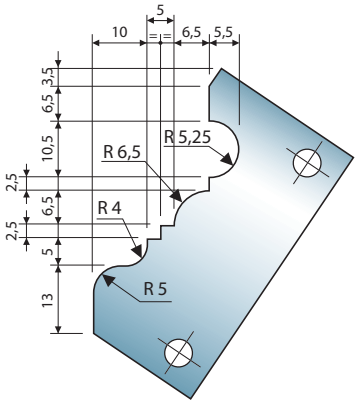


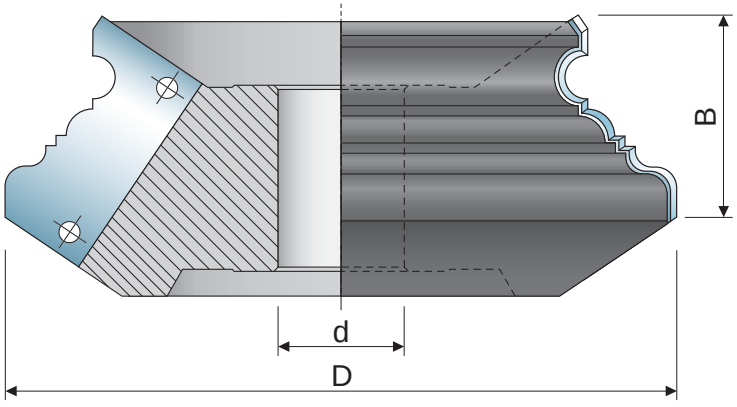
Multi-profile head for frame
Multiprofilfräser für Rahmen
Cabezal multiperfil para marcos

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z
AT10101	**ACCIAIO**	165	65	35	2

DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT101** **01**
Coltello / Knife	55 x 30 x 3	**CSAT153**	2
Cuneo / Wedge	54 x 16 x 8	**CU032**	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4
Vite di Riferimento / positioning Screw	M5 x 7 Ø16	**VT012**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1

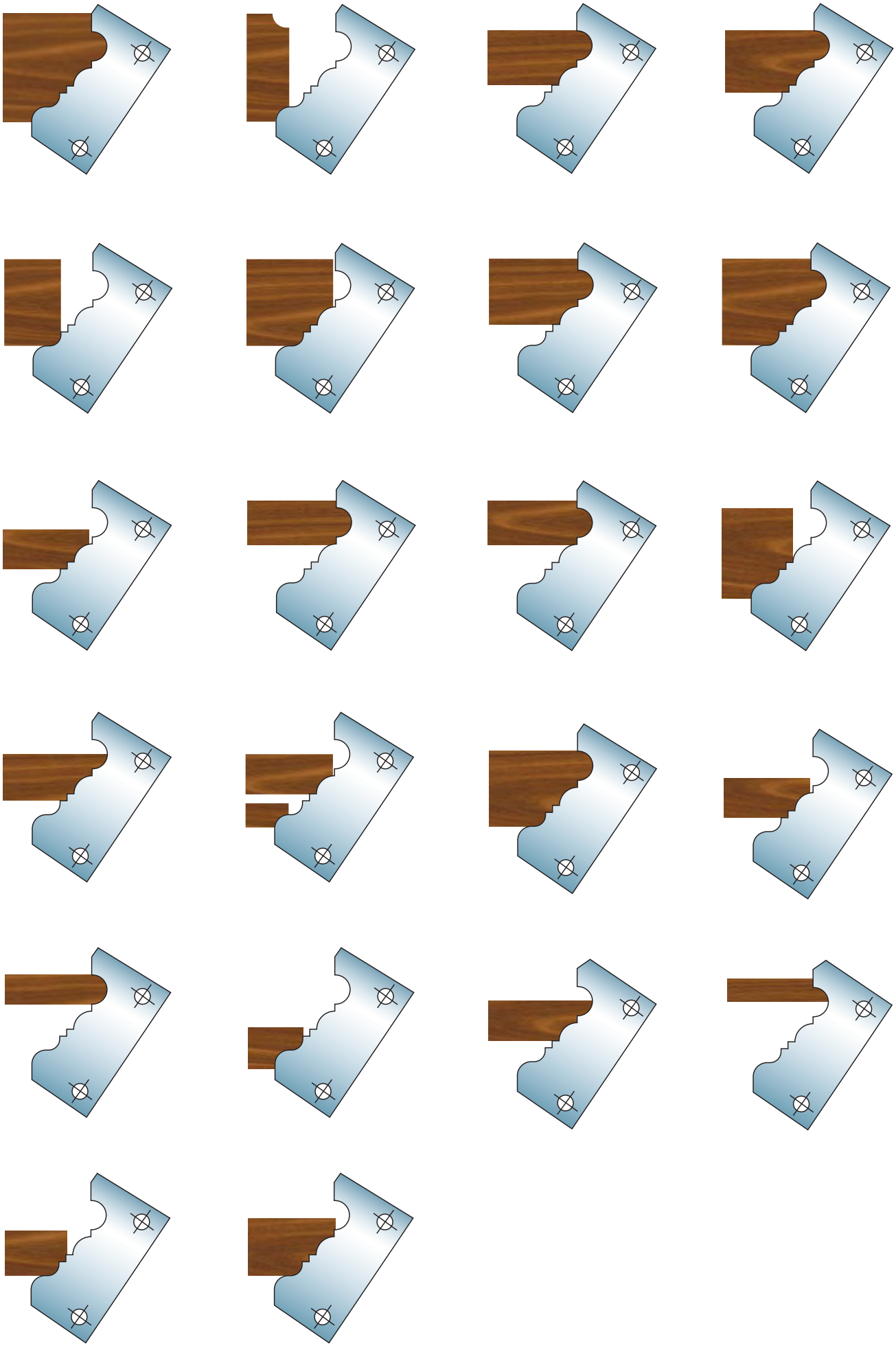






MONTENERO
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ESEMPI DI PROFILI
Example of Profile



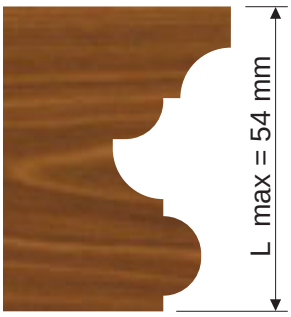
TESTA MULTIPROFILO PER CORNICI

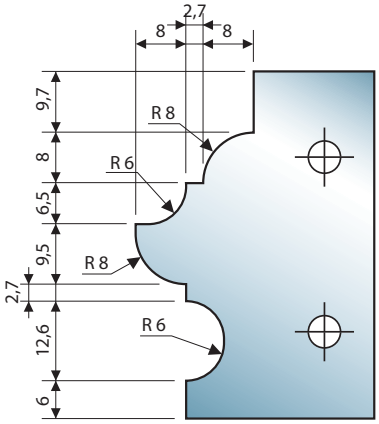


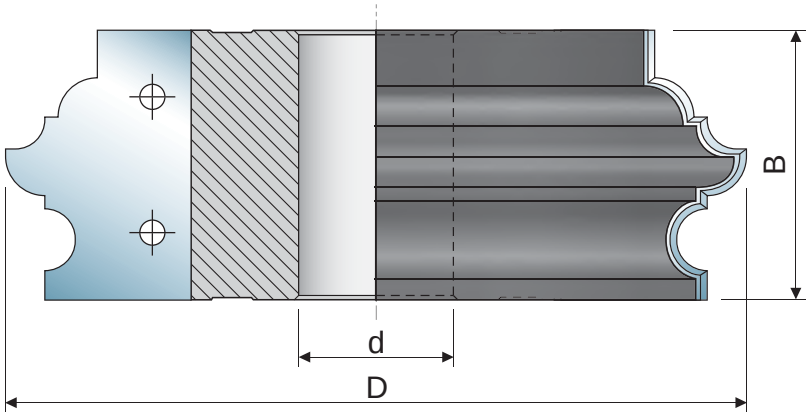
Multi-profile head for frame
Multiprofilfräser für Rahmen
Cabezal multiperfil para marcos

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z
AT10201	**ACCIAIO**	160	55	35	2

DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT102** **01**
Coltello / Knife	55 x 40 x 3	**CSAT154**	2
Cuneo / Wedge	54 x 30 x 8	**CU033**	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4
Vite di Riferimento / positioning Screw	M5 x 7 Ø16	**VT012**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1

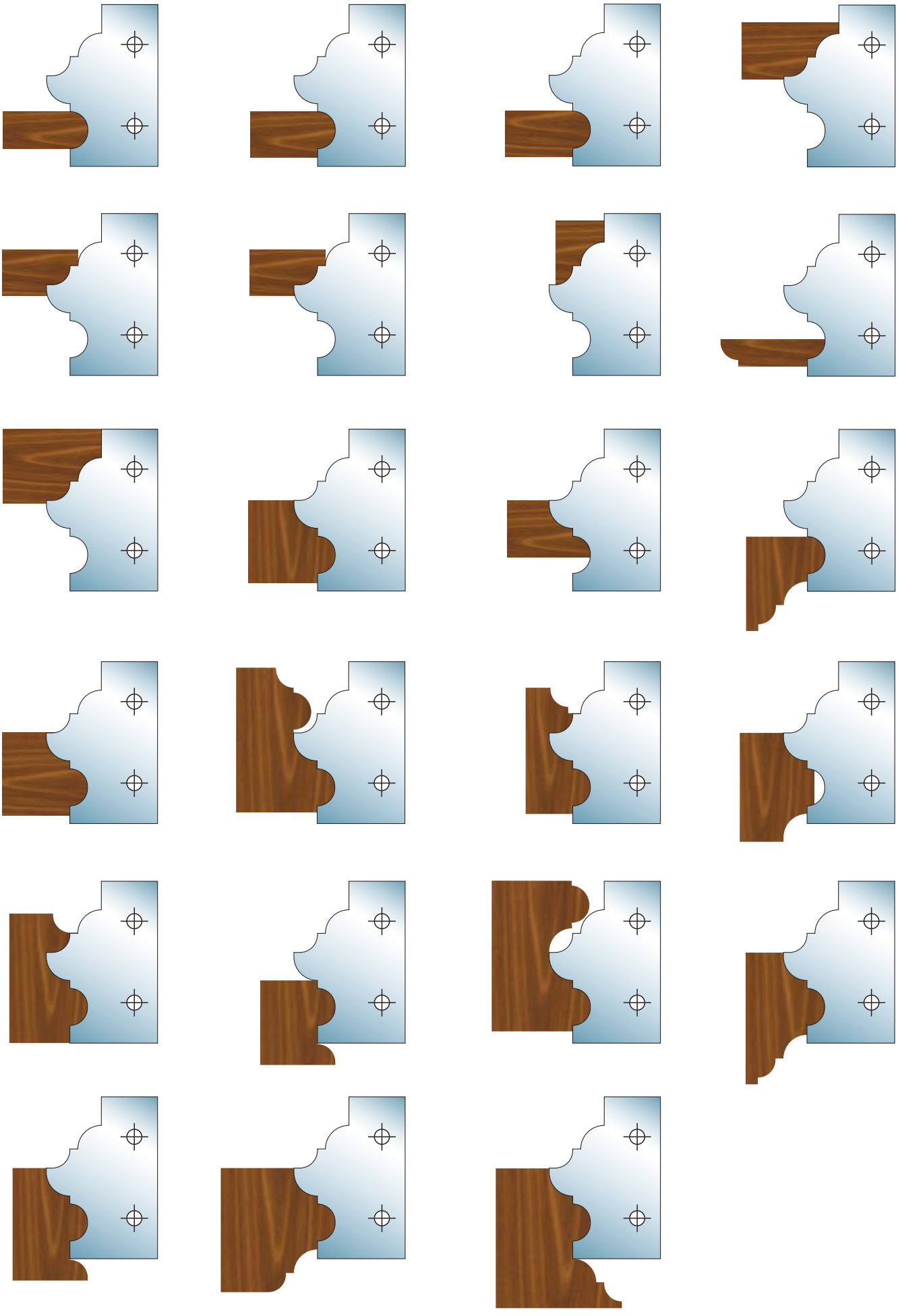






MONTENERO
WOODWORKING·TOOLS

ESEMPI DI PROFILI
Example of Profile





TESTA PORTACOLTELLI SPECIALE PER COLTELLI AFFILABILI, PP 0 ÷ 20 mm

Special cutter head with profiled knives, PP from 0 to 20 mm
Sonder Profilierter Messerkopf, PP vom 0 bis 10 mm
Cabezal portacuchillas especial perfiladas, PP de 0 a 20 mm

CORPO IN ACCIAIO
Steel body
Körper aus Stahl
Cuerpo en acero

D *mm*	B *mm*	Z
140	20	4
160	20	4
200	20	4
250	20	4
300	20	4
140	30	4
160	30	4
200	30	4
250	30	4
300	30	4
140	40	4
160	40	4
200	40	4
250	40	4
300	40	4
140	50	4
160	50	4
200	50	4
250	50	4
300	50	4
140	60	4
160	60	4
200	60	4
250	60	4
300	60	4
140	80	4
160	80	4
200	80	4
250	80	4
300	80	4

0 ÷10

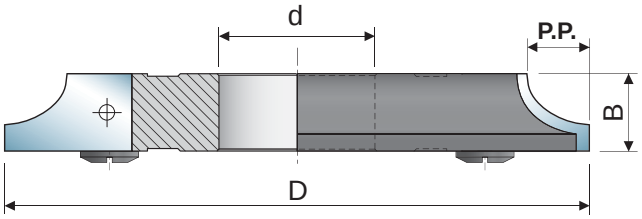
CODICE CODE	P.P. *mm*
AT110001	0 ÷ 10
AT110002	0 ÷ 10
AT110003	0 ÷ 10
AT110004	0 ÷ 10
AT110005	0 ÷ 10
AT110006	0 ÷ 10
AT110007	0 ÷ 10
AT110008	0 ÷ 10
AT110009	0 ÷ 10
AT110010	0 ÷ 10
AT110011	0 ÷ 10
AT110012	0 ÷ 10
AT110013	0 ÷ 10
AT110014	0 ÷ 10
AT110015	0 ÷ 10
AT110016	0 ÷ 10
AT110017	0 ÷ 10
AT110018	0 ÷ 10
AT110019	0 ÷ 10
AT110020	0 ÷ 10
AT110021	0 ÷ 10
AT110022	0 ÷ 10
AT110023	0 ÷ 10
AT110024	0 ÷ 10
AT110025	0 ÷ 10
AT110026	0 ÷ 10
AT110027	0 ÷ 10
AT110028	0 ÷ 10
AT110029	0 ÷ 10
AT110030	0 ÷ 10

11 ÷15

CODICE CODE	P.P. *mm*
AT115001	11 ÷ 15
AT115002	11 ÷ 15
AT115003	11 ÷ 15
AT115004	11 ÷ 15
AT115005	11 ÷ 15
AT115006	11 ÷ 15
AT115007	11 ÷ 15
AT115008	11 ÷ 15
AT115009	11 ÷ 15
AT115010	11 ÷ 15
AT115011	11 ÷ 15
AT115012	11 ÷ 15
AT115013	11 ÷ 15
AT115014	11 ÷ 15
AT115015	11 ÷ 15
AT115016	11 ÷ 15
AT115017	11 ÷ 15
AT115018	11 ÷ 15
AT115019	11 ÷ 15
AT115020	11 ÷ 15
AT115021	11 ÷ 15
AT115022	11 ÷ 15
AT115023	11 ÷ 15
AT115024	11 ÷ 15
AT115025	11 ÷ 15
AT115026	11 ÷ 15
AT115027	11 ÷ 15
AT115028	11 ÷ 15
AT115029	11 ÷ 15
AT115030	11 ÷ 15

16 ÷20

CODICE CODE	P.P. *mm*
AT120001	16 ÷ 20
AT120002	16 ÷ 20
AT120003	16 ÷ 20
AT120004	16 ÷ 20
AT120005	16 ÷ 20
AT120006	16 ÷ 20
AT120007	16 ÷ 20
AT120008	16 ÷ 20
AT120009	16 ÷ 20
AT120010	16 ÷ 20
AT120011	16 ÷ 20
AT120012	16 ÷ 20
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AT120014	16 ÷ 20
AT120015	16 ÷ 20
AT120016	16 ÷ 20
AT120017	16 ÷ 20
AT120018	16 ÷ 20
AT120019	16 ÷ 20
AT120020	16 ÷ 20
AT120021	16 ÷ 20
AT120022	16 ÷ 20
AT120023	16 ÷ 20
AT120024	16 ÷ 20
AT120025	16 ÷ 20
AT120026	16 ÷ 20
AT120027	16 ÷ 20
AT120028	16 ÷ 20
AT120029	16 ÷ 20
AT120030	16 ÷ 20



PER LAVORAZIONI AGGIUNTIVE VEDI PAG. 76
For additional works see page 76
Für zusätzliche bearbeitungen s. seite 76
Por trabajos añadidos ves pág. 76

MONTENERO WOODWORKING·TOOLS

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**CODICE AT110 - AT115 - AT120**					
	01÷05	**06÷10**	**11÷15**	**16÷20**	**21÷25**	**26÷30**
Coltello Sagomato / Profiled Knife	4	/	/	/	/	/
Coltello Sagomato / Profiled Knife	/	4	/	/	/	/
Coltello Sagomato / Profiled Knife	/	/	4	/	/	/
Coltello Sagomato / Profiled Knife	/	/	/	4	/	/
Coltello Sagomato / Profiled Knife	/	/	/	/	4	/
Coltello Sagomato / Profiled Knife	/	/	/	/	/	4
Cuneo Sagomato / Profiled Wedge	4	/	/	/	/	/
Cuneo Sagomato / Profiled Wedge	/	4	/	/	/	/
Cuneo Sagomato / Profiled Wedge	/	/	4	/	/	/
Cuneo Sagomato / Profiled Wedge	/	/	/	4	/	/
Cuneo Sagomato / Profiled Wedge	/	/	/	/	4	/
Cuneo Sagomato / Profiled Wedge	/	/	/	/	/	4
Vite per Cuneo / Wedges's Screw	4	8	8	8	8	12
Vite di Riferimento / Positioning Screw	4	4	4	4	4	4
Chiave per Cuneo / Wedge's Key	1	1	1	1	1	1

AT110	
DIMENSIONI *mm*	**CODICE** CODE
20 x 20/25 x 2	**CSAT200**
30 x 20/25 x 2	**CSAT201**
40 x 20/25 x 2	**CSAT202**
50 x 20/25 x 2	**CSAT203**
60 x 20/25 x 2	**CSAT204**
80 x 20/25 x 2	**CSAT205**
19 x 17 x 8	**CU155**
29 x 17 x 8	**CU156**
39 x 17 x 8	**CU157**
49 x 17 x 8	**CU158**
59 x 17 x 8	**CU159**
79 x 17 x 8	**CU160**
Ø13 x 9	**OG001**
M5 x 7 Ø16	**VT012**
Esagonale 4	**CH004**

AT115	
DIMENSIONI *mm*	**CODICE** CODE
20 x 25/30 x 2	**CSAT206**
30 x 25/30 x 2	**CSAT207**
40 x 25/30 x 2	**CSAT208**
50 x 25/30 x 2	**CSAT209**
60 x 25/30 x 2	**CSAT210**
80 x 25/30 x 2	**CSAT211**
19 x 22 x 8	**CU161**
29 x 22 x 8	**CU162**
39 x 22 x 8	**CU163**
49 x 22 x 8	**CU164**
59 x 22 x 8	**CU165**
79 x 22 x 8	**CU166**
Ø13 x 9	**OG001**
M5 x 7 Ø16	**VT012**
Esagonale 4	**CH004**

AT120	
DIMENSIONI *mm*	**CODICE** CODE
20 x 30/35 x 2	**CSAT212**
30 x 30/35 x 2	**CSAT213**
40 x 30/35 x 2	**CSAT214**
50 x 30/35 x 2	**CSAT215**
60 x 30/35 x 2	**CSAT216**
80 x 30/35 x 2	**CSAT217**
19 x 25 x 8	**CU167**
29 x 25 x 8	**CU168**
39 x 25 x 8	**CU169**
49 x 25 x 8	**CU170**
59 x 25 x 8	**CU171**
79 x 25 x 8	**CU172**
Ø13 x 9	**OG001**
M5 x 7 Ø16	**VT012**
Esagonale 4	**CH004**



Boccola per gruppi di utensili
Sleeve for tool's set



Boccola per gruppi di utensili
+
Set Anelli
Sleeve for tool's set
+
Spacer rings' set



TESTA MULTIPROFILO CON AREA PROFILABILE DI 30x10 mm

Multi-profile head - With 30x10 mm surface to be profiled
Multiprofilfrser Flche zum profilieren vom 30x10 mm
Cabezal multiperfil - Superficie a perfilar de 30x10 mm

COLTELLI E SUPPORTI DA ORDINARE A PARTE.
The knives and supports must be ordered separately.
Die Messer und die Halterungen sind separat zu bestellen.
Cuchillos y soportes a pedir aparte.

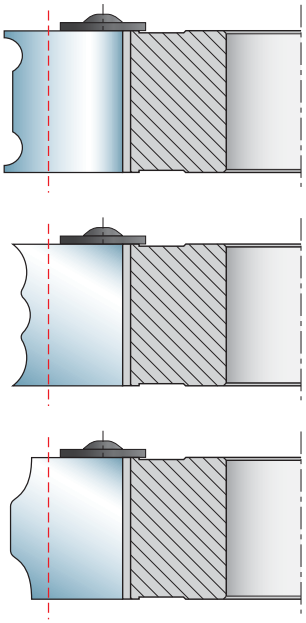
CODICE CODE	MATERIALE MATERIAL	D *mm*	D max *mm*	B *mm*	d *mm*	Z	B x P *mm*
AT13001	ACCIAIO	120	140	40	35	3	40 x 10
AT13002	ACCIAIO	120	140	60	35	3	60 x 10
AT13003	ACCIAIO	120	140	80	35	3	80 x 10

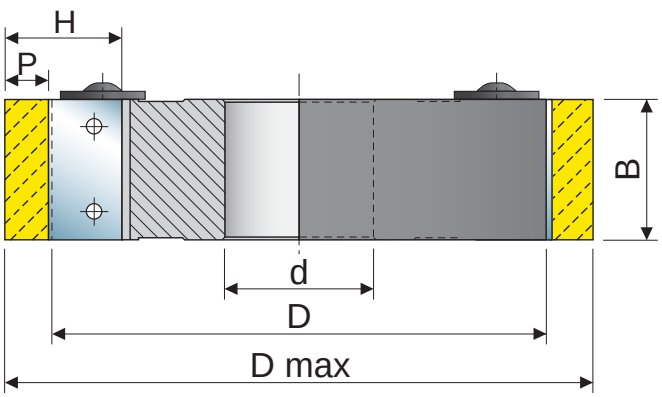
COLTELLO / Knife	
H *mm*	P *mm*
30	10

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AT130		
			01	02	03
Coltello / Knife	40 x 30 x 2	**CSAT218**	3	/	/
Coltello / Knife	60 x 30 x 2	**CSAT219**	/	3	/
Coltello / Knife	80 x 30 x 2	**CSAT220**	/	/	3
Supporto / Support Plate	39 x 28 x 5	**SU001**	3	/	/
Supporto / Support Plate	59 x 28 x 5	**SU002**	/	3	/
Supporto / Support Plate	79 x 28 x 5	**SU003**	/	/	3
Cuneo / Wedge	39 x 15 x 8	**CU019**	3	/	/
Cuneo / Wedge	59 x 15 x 8	**CU020**	/	3	/
Cuneo / Wedge	79 x 15 x 8	**CU021**	/	/	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6	/
Viti per Rond. di Rif. / Positioning Washer's Screw	M4 x 8 Ø9	**VT013**	3	3	3
Rondella di Rif. / Positioning Washer	Ø20 x 2	**VT050**	3	3	3
Chiave per Rond. di Rif. / Positioning Washer's Key	Torx 15	**TK015**	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1

ESEMPI DI PROFILI





MONTENERO
WOODWORKING·TOOLS



TESTA MULTIPROFILO CON AREA PROFILABILE DI 35x16 O 40x21 mm

Multi-profile head - With 35x16 or 40x21 mm surface to be profiled
Multiprofilfräser Fläche zum profilieren vom 35x16 oder 40x21 mm
Cabezal multiperfil - Superficie a perfilar de 35x16 o 40x21 mm

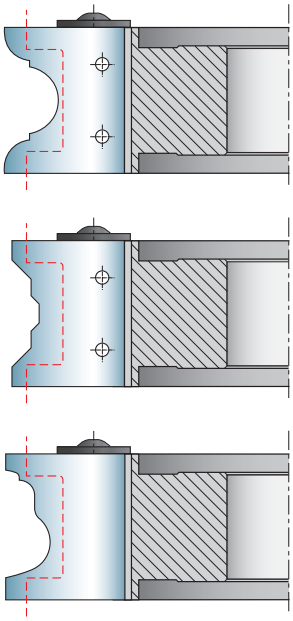
COLTELLI E SUPPORTI DA ORDINARE A PARTE.
The knives and supports must be ordered separately.
Die Messer und die Halterungen sind separat zu bestellen.
Cuchillos y soportes a pedir aparte.

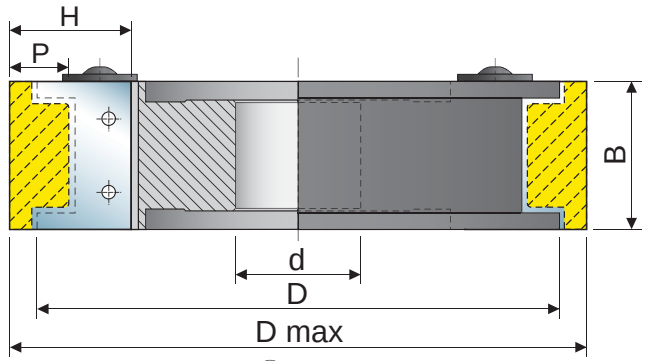
CODICE CODE	**MATERIALE** MATERIAL	**D** *mm*	**D max** *mm*	**B** *mm*	**d** *mm*	**Z**	**B x P** *mm*
AT14001	**ACCIAIO**	140	156	40	35	3	40 x 16
AT14002	**ACCIAIO**	140	166	40	35	3	40 x 21
AT14003	**ACCIAIO**	140	156	60	35	3	60 x 16
AT14004	**ACCIAIO**	140	166	60	35	3	60 x 21
AT14005	**ACCIAIO**	140	156	80	35	3	80 x 16
AT14006	**ACCIAIO**	140	166	80	35	3	80 x 21

COLTELLO / Knife	
H *mm*	P *mm*
35	16
40	21

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AT140**		
			01-02	**03-04**	**05-06**
Coltello / Knife	40 x 35 x 2	**CSAT221**	3	/	/
Coltello / Knife	40 x 40 x 2	**CSAT222**	3	/	/
Coltello / Knife	60 x 35 x 2	**CSAT223**	/	3	/
Coltello / Knife	60 x 40 x 2	**CSAT224**	/	3	/
Coltello / Knife	80 x 35 x 2	**CSAT225**	/	/	3
Coltello / Knife	80 x 40 x 2	**CSAT226**	/	/	3
Supporti / Support Plates	39 x 33 x 5	**SU004**	3	/	/
Supporti / Support Plates	39 x 38 x 5	**SU005**	3	/	/
Supporti / Support Plates	59 x 33 x 5	**SU006**	/	3	/
Supporti / Support Plates	59 x 38 x 5	**SU007**	/	3	/
Supporti / Support Plates	79 x 33 x 5	**SU008**	/	/	3
Supporti / Support Plates	79 x 38 x 5	**SU009**	/	/	3
Cuneo / Wedge	39 x 25 x 8	**CU022**	3	/	/
Cuneo / Wedge	59 x 25 x 8	**CU023**	/	3	/
Cuneo / Wedge	79 x 25 x 8	**CU024**	/	/	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	6	6	6
Viti per Rond. di Rif. / Positioning Washer's Screw	M4 x 8 Ø9	**VT013**	3	3	3
Rondella di Rif. / Positioning Washer	Ø20 x 2	**VT050**	3	3	3
Chiave per Rond. di Rif. / Positioning Washer's Key	Torx 15	**TK015**	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1

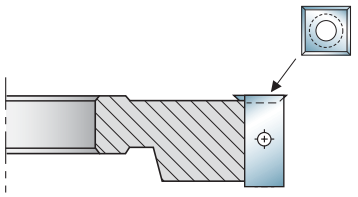
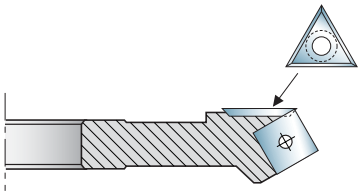
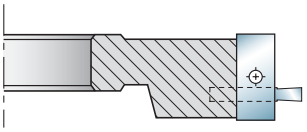
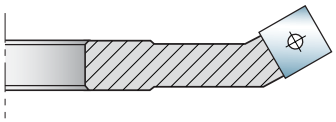
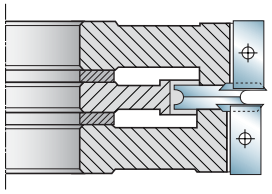
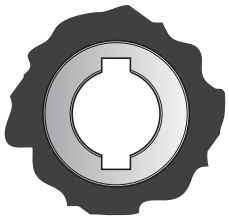
ESEMPI DI PROFILI





MAGGIORAZIONI PER LAVORAZIONI AGGIUNTIVE

SURCHARGE FOR ADDITIONAL WORKS
AUFPREISE FÜR ZUSÄTZLICHE BEARBEITUNGEN
SUPLEMENTOS POR TRABAJOS AÑADIDOS

	**APPLICAZIONE DI 1 RASANTE QUADRATO** Addition of a square spur Zusatz- 1 quadratisch Vorschneider Añadidura de 1 precortador cuadrado
	**APPLICAZIONE DI 1 RASANTE TRIANGOLARE** Addition of a triangular spur Zusatz- 1 dreieckig Vorschneider Añadidura de 1 precortador triangular
	**APPLICAZIONE DI 1 INSERTO** Addition of an insert Zusatz- 1 Einsatzstück Añadidura de 1 inserto
	**ESECUZIONE DI TESTA CONICA** Execution of conical cutter Werkzeug mit konische Ausführung Realización cabezal conico
	**ACCOPPIAMENTO DI 2 TESTE + DISTANZIALI** Tool's group made of 2 cutters + distance rings Werkzeugsatz bestehend aus 2 Köpfe + Distanzringen Grupo de 2 cabezales + anillos **ACCOPPIAMENTO DI 3 TESTE + DISTANZIALI** Tool's group made of 3 cutters + distance rings Werkzeugsatz bestehend aus 3 Köpfe + Distanzringen Grupo de 3 cabezales + anillos
	**PER L'ESECUZIONE DI 2 CAVE PER CHIAVETTE** Execution of 2 keys DKN Ausführung Realización 2 chaveteros

FRESE PT

PT CUTTERHEADS
PT FRÄSER
FRESAS PT







MONTENERO
WOODWORKING·TOOLS

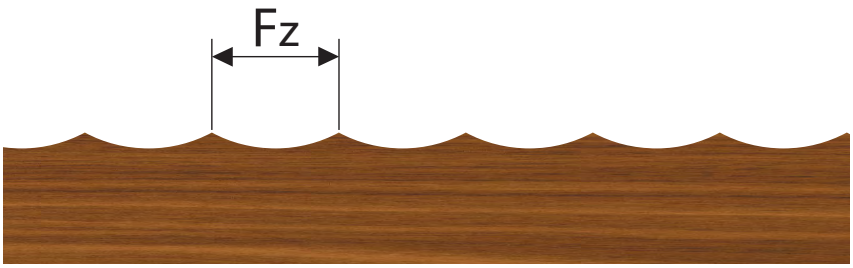
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Testa con inserti raggiatori o spigolatori standard - Coltello reversibile Bulldozer Cutter head with standard inserts for rounding and bevelling- Reversible knife Bulldozer • Kopf mit standard Kanten- bzw. Abrund- Einsätze - Wendeschneidplatte Bulldozer Cabezal con insertos estándar para rayar y biselar - Cuchilla reversible Bulldozer	PT 061	**88**
Testa con inserti raggiatori o spigolatori standard - Coltello 30x3 o 35x3 Cutter head with standard inserts for rounding and bevelling - Knife 30x3 or 35x3 • Kopf mit standard Kanten- bzw. Abrund- Einsätze - Messer vom 30x3 oder 35x3 Cabezal con insertos estándar para rayar y biselar - Cuchilla de 30x3 o 35x3	PT 070	**90**
Testa con inserti raggiatori o spigolatori speciali - Coltello 30x3 o 35x3 Cutter head with special inserts for rounding and bevelling - Knife 30x3 or 35x3 • Kopf mit spezial Kanten- bzw. Abrund- Einsätze - Messer vom 30x3 oder 35x3 Cabezal con insertos especiales para rayar y biselar - Cuchilla de 30x3 o 35x3	PT 071	**92**
Testa standard Z4 / Z6 / Z8 - Coltello 30x3 o 35x3 Standard cutter head Z4 / Z6 / Z8 - Knife 30x3 o 35x3 • Standard Kopf Z4 / Z6 / Z8 - Messer vom 30x3 oder 35x3 Cabezal estándar Z4 / Z6 / Z8 - Cuchilla de 30x3 o 35x3	PT 080	**94**
Testa Hydro standard Z4 / Z6 / Z8 - Coltello 30x3 o 35x3 Standard Hydro cutter head Z4 / Z6 / Z8 - Knife 30x3 o 35x3 • Standard Hydro Messerkopf Z4 / Z6 / Z8 - Messer vom 30x3 oder 35x3 Cabezal hidro estándar Z4 / Z6 / Z8 - Cuchilla de 30x3 o 35x3	PT 081	**96**
Testa con profilo sagomato Z4 / Z6 / Z8 - Coltello Zigrinato S=8/10 mm Profiled cutter head Z4 / Z6 / Z8 - Knurled Knife S=8/10 mm • Profilierter MesserKopf Z4 / Z6 / Z8 - Gerändeltesmesser S=8/10 mm Cabezal perfilado Z4 / Z6 / Z8 - Cuchilla estriada S=8/10 mm	PT 090	**98**
Testa Hydro con profilo sagomato Z4 / Z6 / Z8 - Coltello Zigrinato S=8/10 mm Profiled hydro cutter head Z4 / Z6 / Z8 - Knurled Knife S=8/10 mm • Profilierter Hydro MesserKopf Z4 / Z6 / Z8 - Gerändeltesmesser S=8/10 mm Cabezal hidro perfilado Z4 / Z6 / Z8 - Cuchilla estriada S=8/10 mm	PT 091	**100**

CALCOLO DEL PASSO DEL TAGLIENTE *Fz* :

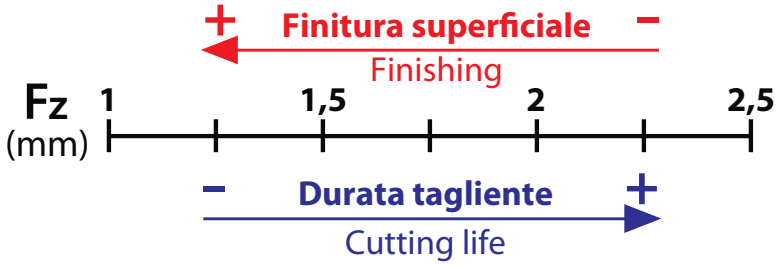
To calculate cutting pitch "FZ":



La dimensione di Fz dipende da:
The "Fz" is calculating on:

- **Rotazioni albero = n (giri/min)**
  Arbor rotation = n (rpm)
- **Velocita di avanzamento = Va (m/min)**
  Feed rate = Va (m/min)
- **Numero di denti = Z**
  Number of teeth = Z

$$Fz = \frac{Va \times 1000}{n \times Z} = mm$$

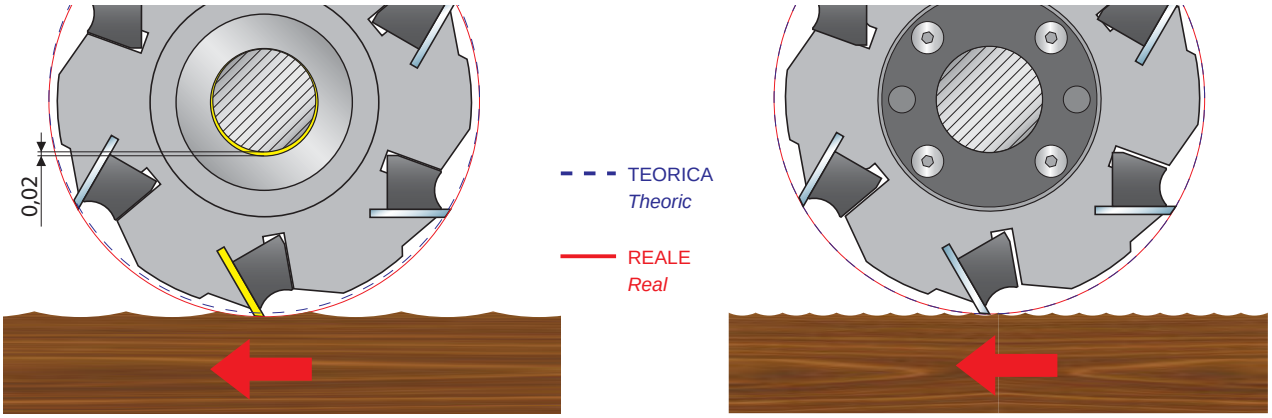


ATTENZIONE :

nel caso di utensili montati direttamente su albero la formula è TEORICA perchè esiste una differenza tra il diametro dell'albero e quello del foro dell'utensile (0,02 nel caso di tolleranza H7).
Questa differenza fa si che la rotazione dell'utensile sia eccentrica e quindi 1 dente lavora più in profondità degli altri e determina il passo effettivo del tagliente (fz), ciò indipendentemente dal numero di denti dell'utensile.
Per eliminare il problema è necessario l'utilizzo della bussola Hydro che espandendosi elimina la tolleranza H7. In questa condizione l'utensile lavora perfettamente al centro consentendo velocità di avanzamento maggiori con una buona finitura superficiale.

ATTENTION :

if the tools are mounted directly on the machine's arbor the formula is theoric because there's a difference between arbor's diameter and diameter of tool's hole. (0,02 if the allowance is H7)
Due to this difference, the tool rotation is eccentric, that means that 1 tooth will cut deeper than the others therefore it determines the actual cutting pitch (Fz).
To solve this problem, it is necessary to use an Hydro grip that can eliminate the allowance H7, so the tool can work perfectly in the center with more feed rate and better finishing.



Montaggio diretto su albero
Tool on machine arbor

Montaggio su boccola Hydro
Tool on Hydro grip



TESTA MODULARE

Modular cutter head
Modularmesserkopf
Cabezal modular

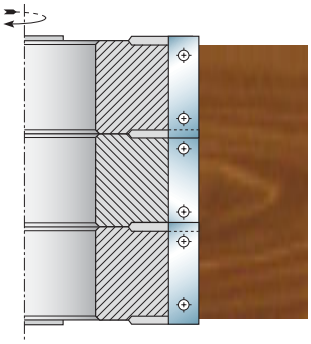
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

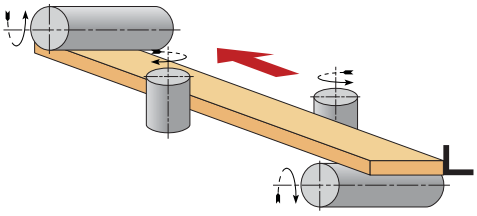
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT01001	LEGA LEGG.	125	30	35	4	0,82
PT01002	LEGA LEGG.	125	30	40	4	0,80
PT01003	LEGA LEGG.	125	50	35	4	1,44
PT01004	LEGA LEGG.	125	50	40	4	1,40
PT01005	LEGA LEGG.	125	30	35	6	0,82
PT01006	LEGA LEGG.	125	30	40	6	0,80
PT01007	LEGA LEGG.	125	50	35	6	1,44
PT01008	LEGA LEGG.	125	50	40	6	1,40
PT01009	LEGA LEGG.	160	30	35	6	1,40
PT01010	LEGA LEGG.	160	30	40	6	1,37
PT01011	LEGA LEGG.	160	50	35	6	2,43
PT01012	LEGA LEGG.	160	50	40	6	2,39
PT01013	LEGA LEGG.	180	30	35	6	1,78
PT01014	LEGA LEGG.	180	30	40	6	1,76
PT01015	LEGA LEGG.	180	50	35	6	3,11
PT01016	LEGA LEGG.	180	50	40	6	3,07

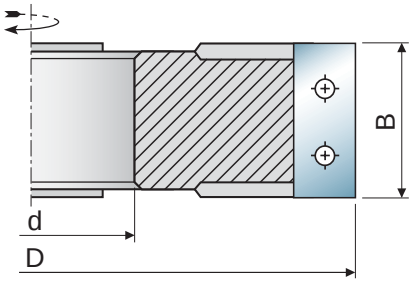
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT010							
			01/02	03/04	05/06	07/08	09/10	11/12	13/14	15/16
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	4	/	6	/	6	/	6	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	4	/	6	/	6	/	6
Cuneo / Wedge	26 x 15 x 8	**CU002**	4	/	6	/	6	/	6	/
Cuneo / Wedge	46 x 15 x 8	**CU004**	/	4	/	6	/	6	/	6
Ogiva / Nut	Ø13 x 9	**OG001**	4	4	12	12	12	12	12	12
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	4	4	12	12	12	12	12	12
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO
WOODWORKING·TOOLS



GRUPPO DI TESTE PER PIANO RIGATO

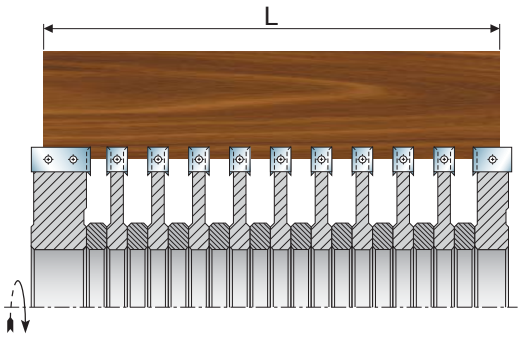
Tools' set group for scored surface
Werkzeugsatz für geriefelte Fläche
Grupo de cabezales para plano rayado

Tipi di macchinari / For Machine:
WEINIG - SCM

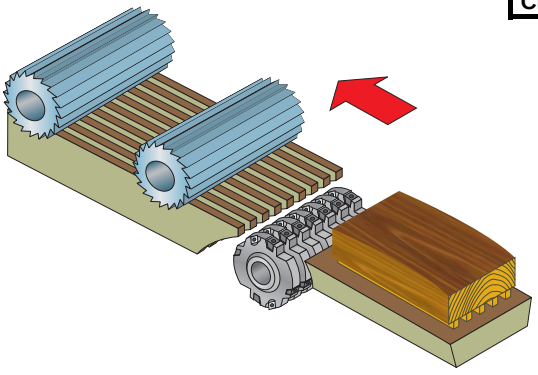
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	PESO *Kg*
PT02001	ACCIAIO	125	9	40	4	2+2	0,61
PT02002	ACCIAIO	125	10	40	4	2+2	0,69
PT02003	ACCIAIO	125	20	40	4	2	1,56
PT02004	ACCIAIO	125	40	40	4	2	3,29

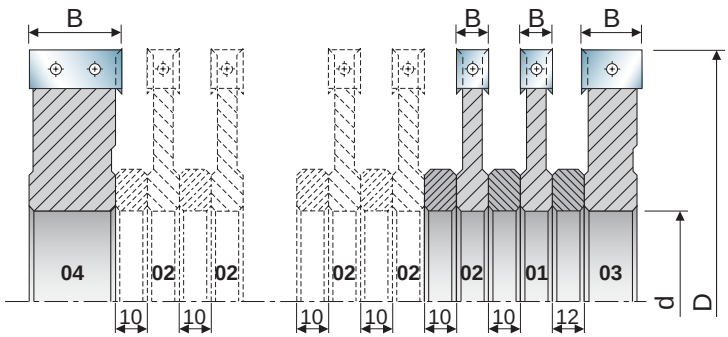
GRUPPI STANDARD / Standard Cutterheads sets						
L *mm*	CODICE PT020				ANELLI / Ring	
	01	02	03	04	A060	A031
80	1	2	1	/	1	2
100	1	3	1	/	1	3
120	1	4	1	/	1	4
140	1	5	1	/	1	5
170	1	7	1	/	1	7
220	1	8	1	1	1	9
310	1	12	1	1	1	13

ESEMPI DI LAVORAZIONE
Working Example



DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	CODICE PT020			
			01	02	03	04
Coltello / Knife	8,6 x 12 x 1,5	**CGZ203**	4	/	/	/
Coltello / Knife	9,6 x 12 x 1,5	**CGZ204**	/	4	/	/
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	/	/	4	/
Coltello / Knife	40 x 12 x 1,5	**CGZ213**	/	/	/	4
Rasante / Spur	14 x 14 x 2	**RAS02**	4	4	2	2
Cuneo / Wedge	8 x 12 x 10	**CU082**	4	/	/	/
Cuneo / Wedge	9 x 12 x 10	**CU008**	/	4	/	/
Cuneo / Wedge	18 x 12 x 10	**CU083**	/	/	4	4
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	4	4	2	2
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	4	4	4	4
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 3	**CH003**	1	1	1	1







TESTA PER SEDE GUIDA LATERALE

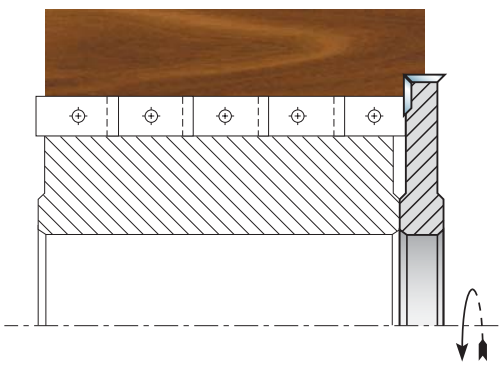
Cutter head for lateral guide
Kopf für Seitenschiene
Cabezal para ranura por guía lateral

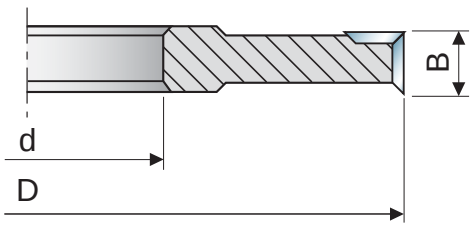
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	PESO *Kg*
PT02501	ACCIAIO	145	14	35	3	3	1,07
PT02502	ACCIAIO	145	14	40	3	3	1,04
PT02503	ACCIAIO	145	14	50	3	3	0,98

TESTA DA ACCOPPIARE A PT030 E PT 040
Assemble with heads PT030 and PT040
Mit Hobelköpfen PT030 und PT040 verwenden.
Ensemblar con cabezales PT030 y PT040

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT025**		
			01	**02**	**03**
Rasante / Spur	14 x 14 x 2	**RAS02**	6	6	6
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	6	6	6
Chiave per Rasante / Spur's Key	Torx 20	**TK020**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO WOODWORKING·TOOLS



TESTA MULTITAGLIENTE - COLTELLO REVERSIBILE CON ANGOLI SMUSSATI

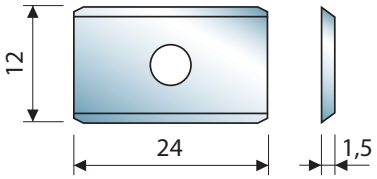
Multi cutting head - Reversible knife with chamfered angles
Mehrschneidiger Kopf - Wendeschneidplatte mit Schrägkanten
Cabezal multidientes - Cuchilla reversible con cantos biselados

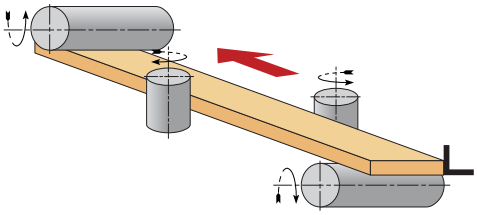
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

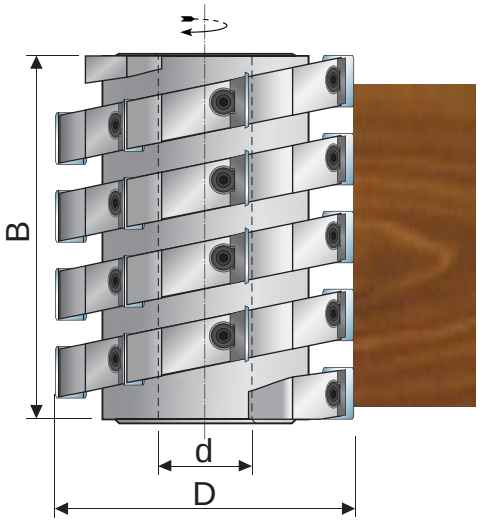
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT03001	ACCIAIO	100	114	35	6	4,27
PT03002	ACCIAIO	100	184	35	6	6,92
PT03003	ACCIAIO	125	79	35 / 40 / 50	6	4,98
PT03004	ACCIAIO	125	130	35 / 40 / 50	6	8,23
PT03005	ACCIAIO	125	149	35 / 40 / 50	6	9,43
PT03006	ACCIAIO	125	166	35 / 40 / 50	6	10,52
PT03007	ACCIAIO	125	184	35 / 40 / 50	6	11,66
PT03008	ACCIAIO	125	218	35 / 40 / 50	6	13,83
PT03009	ACCIAIO	125	237	35 / 40 / 50	6	14,39
PT03010	LEGA LEGG.*	100	114	35	6	1,85
PT03011	LEGA LEGG.*	100	184	35	6	3,01
PT03012	LEGA LEGG.*	125	79	35 / 40 / 50	6	1,96
PT03013	LEGA LEGG.*	125	130	35 / 40 / 50	6	3,27
PT03014	LEGA LEGG.*	125	149	35 / 40 / 50	6	3,75
PT03015	LEGA LEGG.*	125	166	35 / 40 / 50	6	4,18
PT03016	LEGA LEGG.*	125	184	35 / 40 / 50	6	4,64
PT03017	LEGA LEGG.*	125	218	35 / 40 / 50	6	5,51
PT03018	LEGA LEGG.*	125	237	35 / 40 / 50	6	5,77

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT030								
			01/10	02/11	03/12	04/13	05/14	06/15	07/16	08/17	09/18
Coltello / Knife	24 x 12 x 1,5	**CRAB01**	18	30	12	21	24	27	30	36	39
Cuneo / Wedge	21 x 15 x 8	**CU005**	18	30	12	21	24	27	30	36	39
Ogiva / Nut	Ø13 x 9	**OG001**	18	30	12	21	24	27	30	36	39
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	18	30	12	21	24	27	30	36	39
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1	1









TESTA MULTITAGLIENTE ELICOIDALE - COLTELLO REVERSIBILE CON CROCE DI CENTRAGGIO

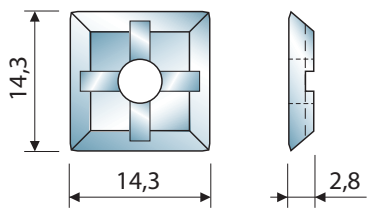
Helical multi-cutting head - Reversible knife with centering cross
Spiralförmiger mehrschneidiger Kopf - Wendeschneidplatte mit Zentrierkreuz
Cabezal helicoidal multidientes - Cuchilla reversible con cruz de fijación

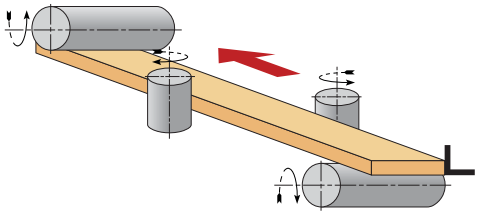
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

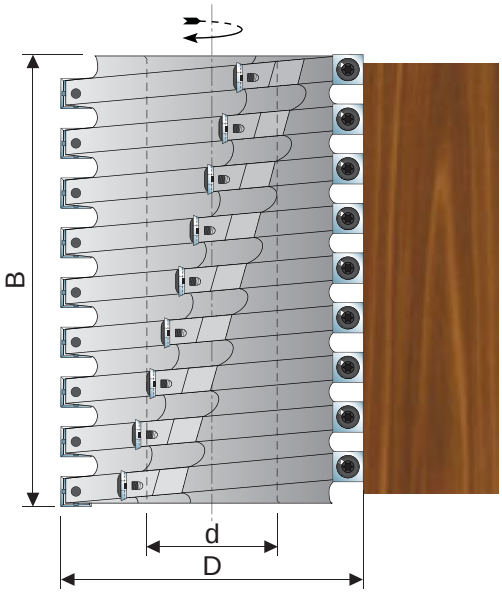
CODICE CODE	**MATERIALE** MATERIAL	**D** *mm*	**B** *mm*	**d** *mm*	**Z**	**PESO** *Kg*
PT04001	**ACCIAIO**	120	180	40	6	8,64
PT04002	**ACCIAIO**	125	122	40	6	6,73
PT04003	**ACCIAIO**	125	145	40	6	8,02
PT04004	**ACCIAIO**	125	180	40	6	9,97
PT04005	**ACCIAIO**	125	218	40	6	12,07
PT04006	**ACCIAIO**	125	230	40	6	12,72
PT04007	**LEGA LEGG.***	120	180	40	6	3,18
PT04008	**LEGA LEGG.***	125	122	40	6	2,45
PT04009	**LEGA LEGG.***	125	145	40	6	2,93
PT04010	**LEGA LEGG.***	125	180	40	6	3,64
PT04011	**LEGA LEGG.***	125	218	40	6	4,40
PT04012	**LEGA LEGG.***	125	230	40	6	4,64

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT040**					
			01/07	**02/08**	**03/09**	**04/10**	**05/11**	**06/12**
Coltello / Knife	14,3 x 14,3 x 2,8	**CRC01**	45	30	36	45	54	57
Vite per Coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	45	30	36	45	54	57
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1







MONTENERO WOODWORKING·TOOLS



TESTA MULTITAGLIENTE ELICOIDALE - COLTELLO REVERSIBILE 14x14x2

Helical multi-cutting head - Reversible knife 14x14x2
Spiralförmiger mehrschneidiger Kopf - Wendeschneidplatte 14x14x2
Cabezal helicoidal multidientes - Cuchilla reversible 14x14x2

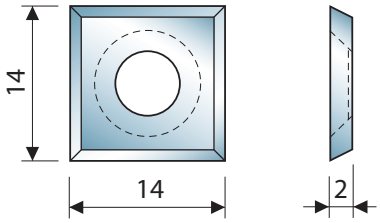
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

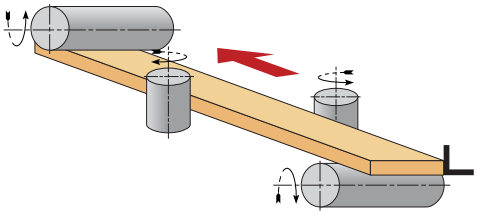
A RICHIESTA ANCHE CON CORPO IN ACCIAIO
On request also with steel body
Auf Anfrage auch mit Körper aus Stahl
A petición también con cuerpo en acero

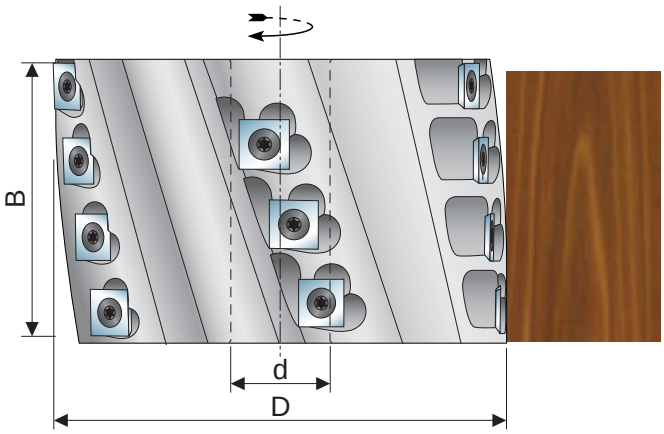
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT04501	**LEGA LEGG.***	80	86	30	4	0,66
PT04502	**LEGA LEGG.***	80	98	30	4	0,75
PT04503	**LEGA LEGG.***	80	122	30	4	0,97
PT04504	**LEGA LEGG.***	100	122	35	6	1,71
PT04505	**LEGA LEGG.***	100	158	35	6	2,21
PT04506	**LEGA LEGG.***	100	182	35	6	2,55
PT04507	**LEGA LEGG.***	125	98	40	6	2,18
PT04508	**LEGA LEGG.***	125	122	40	6	2,71
PT04509	**LEGA LEGG.***	125	134	40	6	3,01
PT04510	**LEGA LEGG.***	125	158	40	6	3,54
PT04511	**LEGA LEGG.***	125	182	40	6	4,11
PT04512	**LEGA LEGG.***	125	206	40	6	4,65
PT04513	**LEGA LEGG.***	125	230	40	6	5,46

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT045									
			01	**02**	**03**	**04/08**	**05/10**	**06/11**	**07**	**09**	**12**	**13**
Coltello / Knife	14 x 14 x 2	**RAS02**	14	16	20	30	39	45	24	33	51	57
Vite per Coltello / Knife's Screw	M5 x 6,5 Ø9	**VT064**	14	16	20	30	39	45	24	33	51	57
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1	1	1	1	1









TESTA MULTITAGLIENTE ELICOIDALE - COLTELLO REVERSIBILE CON RAGGIO E ANGOLI ARROTONDATI

Helical multi-cutting head - Reversible knife with radius and rounded edges
Spiralförmiger mehrschneidiger Kopf - Wendeschneidplatte mit Radius und Abrundkanten
Cabezal helicoidal multidientes - Cuchilla reversible con radio y cantos redondeados

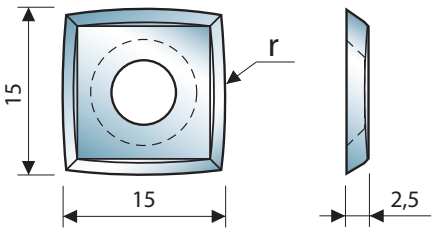
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

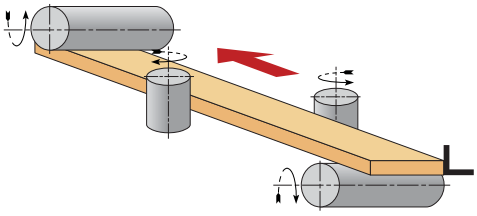
A RICHIESTA ANCHE CON CORPO IN ACCIAIO
On request also with steel body
Auf Anfrage auch mit Körper aus Stahl
A petición también con cuerpo en acero

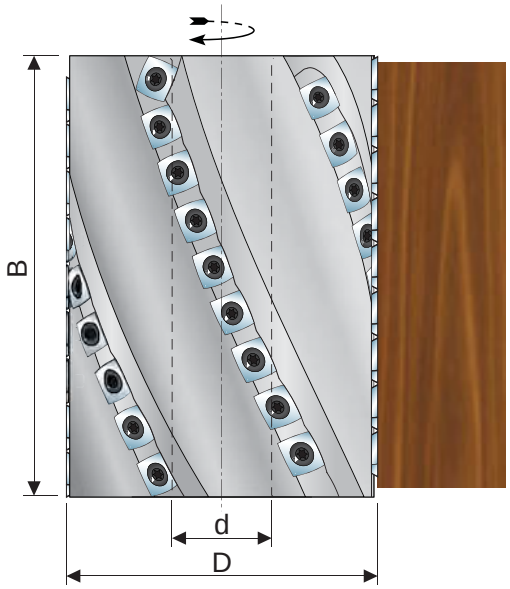
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	PESO *Kg*
PT05001	**LEGA LEGG.***	80	84	30	4	2	0,66
PT05002	**LEGA LEGG.***	80	122	30	4	2	0,97
PT05003	**LEGA LEGG.***	100	122	35	6	/	1,71
PT05004	**LEGA LEGG.***	100	179	35	6	/	2,51
PT05005	**LEGA LEGG.***	125	84	40	6	/	1,92
PT05006	**LEGA LEGG.***	125	131,5	40	6	/	3,01
PT05007	**LEGA LEGG.***	125	179	40	6	/	4,11
PT05008	**LEGA LEGG.***	125	236	40	6	/	5,46

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT050							
			1	2	3	4	5	6	7	8
Coltello / Knife	15 x 15 x 2,5 r150	**CRB01**	/	/	36	54	24	39	54	72
Coltello / Knife	15 x 15 x 2,5 r50	**CRB02**	16	24	/	/	/	/	/	/
Rasante / Spur	14 x 14 x 2	**RAS02**	2	2	/	/	/	/	/	/
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø9	**VT051**	16	24	36	54	24	39	54	72
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	2	2	/	/	/	/	/	/
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1	1	1







MONTENERO WOODWORKING·TOOLS



TESTA PER FINITURA - COLTELLO REVERSIBILE CENTROLOCK

Finishing cutter head - Reversible knife Centrolock
Schlichtkopf - Wendeschneidplatte Centrolock
Cabezal para acabado - Cuchilla reversible Centrolock

✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT05501	ACCIAIO	125	80	40	4	6,92
PT05502	ACCIAIO	125	130	40	4	11,24
PT05503	ACCIAIO	125	160	40	4	13,84
PT05504	ACCIAIO	125	230	40	4	19,88
PT05505	ACCIAIO	140	80	40	6	8,88
PT05506	ACCIAIO	140	130	40	6	14,43
PT05507	ACCIAIO	140	160	40	6	17,76
PT05508	ACCIAIO	140	230	40	6	25,52
PT05509	LEGA LEGG.*	125	80	40	4	2,38
PT05510	LEGA LEGG.*	125	130	40	4	3,87
PT05511	LEGA LEGG.*	125	160	40	4	4,76
PT05512	LEGA LEGG.*	125	230	40	4	6,84
PT05513	LEGA LEGG.*	140	80	40	6	3,05
PT05514	LEGA LEGG.*	140	130	40	6	4,96
PT05515	LEGA LEGG.*	140	160	40	6	6,11
PT05516	LEGA LEGG.*	140	230	40	6	8,78

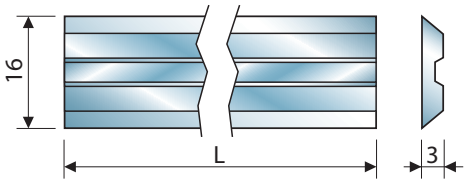
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

DISTINTA BASE / Bill of Materials

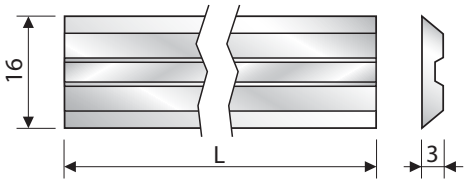
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT055							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	78 x 15 x 8	**CU049**	4	/	/	/	6	/	/	/
Cuneo / Wedge	128 x 15 x 8	**CU051**	/	4	/	/	/	6	/	/
Cuneo / Wedge	158 x 15 x 8	**CU052**	/	/	4	/	/	/	6	/
Cuneo / Wedge	228 x 15 x 8	**CU055**	/	/	/	4	/	/	/	6
Ogiva / Nut	Ø13 x 9	**OG001**	12	16	20	24	18	24	30	36
Vite per Ogiva / Nut's Screw	M8 x 22	**VT022**	12	16	20	24	18	24	30	36
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1

COLTELLI ORDINABILI
Knives to be ordered

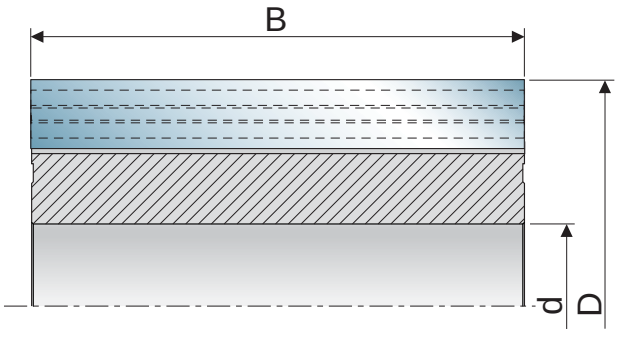
Vedi pag. 389
see page 389



CCL - HW



CCL - HSS 18 %





TESTA PER FINITURA - SIMPLE-LOCK
COLTELLO REVERSIBILE CENTROLOCK

Finishing cutter head - **SIMPLE-LOCK**
Reversible knife Centrolock
Schlichtkopf - **SIMPLE-LOCK**
Wendeschneidplatte Centrolock
Cabezal para acabado - **SIMPLE-LOCK**
Cuchilla reversible Centrolock

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT05601	ACCIAIO	125	80	40	4	6,92
PT05602	ACCIAIO	125	130	40	4	11,24
PT05603	ACCIAIO	125	160	40	4	13,84
PT05604	ACCIAIO	125	230	40	4	19,88
PT05605	ACCIAIO	140	80	40	6	8,88
PT05606	ACCIAIO	140	130	40	6	14,43
PT05607	ACCIAIO	140	160	40	6	17,76
PT05608	ACCIAIO	140	230	40	6	25,52
PT05609	LEGA LEGG.*	125	80	40	4	2,38
PT05610	LEGA LEGG.*	125	130	40	4	3,87
PT05611	LEGA LEGG.*	125	160	40	4	4,76
PT05612	LEGA LEGG.*	125	230	40	4	6,84
PT05613	LEGA LEGG.*	140	80	40	6	3,05
PT05614	LEGA LEGG.*	140	130	40	6	4,96
PT05615	LEGA LEGG.*	140	160	40	6	6,11
PT05616	LEGA LEGG.*	140	230	40	6	8,78

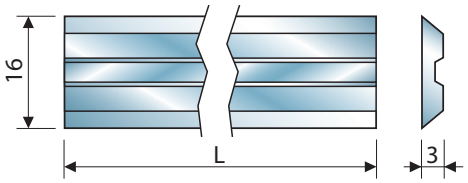
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DISTINTA BASE / Bill of Materials

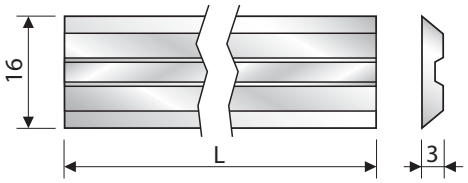
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT056							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	80 x 14 x 12	**CU180**	4	/	/	/	6	/	/	/
Cuneo / Wedge	130 x 14 x 12	**CU181**	/	4	/	/	/	6	/	/
Cuneo / Wedge	160 x 14 x 12	**CU182**	/	/	4	/	/	/	6	/
Cuneo / Wedge	230 x 14 x 12	**CU183**	/	/	/	4	/	/	/	6
Molla / Spring	Ø7 x 20	**MOL02**	8	8	8	8	12	12	12	12
Vite per Cuneo / Wedge's Screw	M8 x 17 Ø13	**VT080**	4	4	4	4	6	6	6	6
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1

COLTELLI ORDINABILI
Knives to be ordered

Vedi pag. 389
see page 389



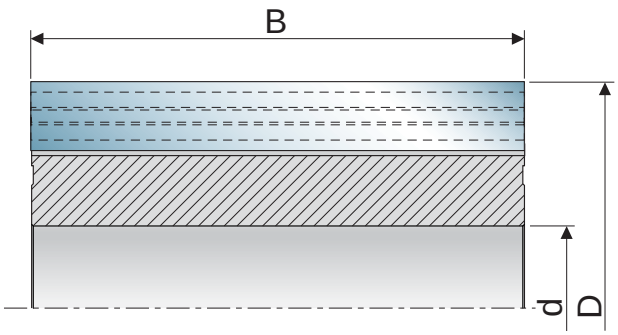
CCL - HW



CCL - HSS 18%

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Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

A richiesta si eseguono anche altre misure
Other dimension available on request



MONTENERO WOODWORKING·TOOLS



TESTA PER FINITURA - COLTELLO REVERSIBILE BULLDOZER

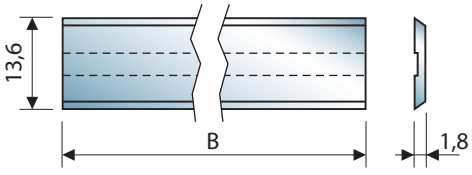
Finishing head - Reversible knife Bulldozer
Schlichtkopf - Wendeschneidplatte Bulldozer
Cabezal para acabado - Cuchilla reversible Bulldozer

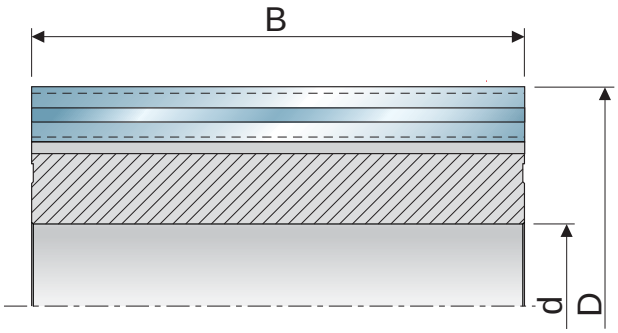
✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT06001	ACCIAIO	125	80	40	4	6,92
PT06002	ACCIAIO	125	130	40	4	11,24
PT06003	ACCIAIO	125	160	40	4	13,84
PT06004	ACCIAIO	125	230	40	4	19,88
PT06005	ACCIAIO	140	80	40	6	8,88
PT06006	ACCIAIO	140	130	40	6	14,43
PT06007	ACCIAIO	140	160	40	6	17,76
PT06008	ACCIAIO	140	230	40	6	25,52
PT06009	LEGA LEGG.*	125	80	40	4	2,38
PT06010	LEGA LEGG.*	125	130	40	4	3,87
PT06011	LEGA LEGG.*	125	160	40	4	4,76
PT06012	LEGA LEGG.*	125	230	40	4	6,84
PT06013	LEGA LEGG.*	140	80	40	6	3,05
PT06014	LEGA LEGG.*	140	130	40	6	4,96
PT06015	LEGA LEGG.*	140	160	40	6	6,11
PT06016	LEGA LEGG.*	140	230	40	6	8,78

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT060							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Coltello / Knife	80 x 13,6 x 1,8	**CBZ03**	4	/	/	/	6	/	/	/
Coltello / Knife	130 x 13,6 x 1,8	**CBZ07**	/	4	/	/	/	6	/	/
Coltello / Knife	160 x 13,6 x 1,8	**CBZ10**	/	/	4	/	/	/	6	/
Coltello / Knife	230 x 13,6 x 1,8	**CBZ15**	/	/	/	4	/	/	/	6
Cuneo / Wedge	78 x 15 x 8	**CU057**	4	/	/	/	6	/	/	/
Cuneo / Wedge	128 x 15 x 8	**CU059**	/	4	/	/	/	6	/	/
Cuneo / Wedge	158 x 15 x 8	**CU060**	/	/	4	/	/	/	6	/
Cuneo / Wedge	228 x 15 x 8	**CU063**	/	/	/	4	/	/	/	6
Ogiva / Nut	Ø13 x 9	**OG001**	12	16	20	24	18	24	30	36
Vite per Ogiva / Nut's Screw	M8 x 22	**VT022**	12	16	20	24	18	24	30	36
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1







TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD - COLTELLO REVERSIBILE BULLDOZER

Cutter head with standard inserts for rounding and bevelling
- Reversible knife Bulldozer
Kopf mit standard Kanten- bzw. Abrund- Einsätze
- Wendeschneidplatte Bulldozer
Cabezal con insertos estándar para rayar y biselar
- Cuchilla reversible Bulldozer

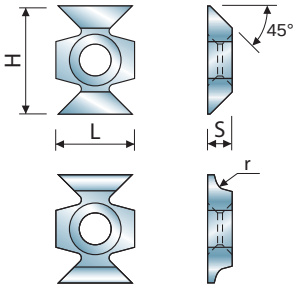
* **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

INSERTI RAGGIATORI E SMUSSATORI DA ORDINARE SEPARATAMENTE.
The rounding and chamfering inserts must be ordered separately.
Die Messer für die Rundfräsungen und Abfasfräser sind separat zu bestellen.
Los insertos redondeadores y achanfladores se deben pedir aparte.

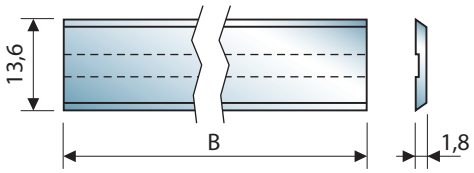
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	I	PESO *Kg*
PT06101	**ACCIAIO**	125	80	40	4	2 + 2	6,60
PT06102	**ACCIAIO**	125	130	40	4	2 + 2	10,58
PT06103	**ACCIAIO**	125	160	40	4	2 + 2	12,96
PT06104	**ACCIAIO**	125	220	40	4	2 + 2	17,74
PT06105	**ACCIAIO**	140	80	40	6	2 + 2	8,56
PT06106	**ACCIAIO**	140	130	40	6	2 + 2	13,76
PT06107	**ACCIAIO**	140	160	40	6	2 + 2	16,89
PT06108	**ACCIAIO**	140	220	40	6	2 + 2	23,13
PT06109	**LEGA LEGG.***	125	80	40	4	2 + 2	2,27
PT06110	**LEGA LEGG.***	125	130	40	4	2 + 2	3,64
PT06111	**LEGA LEGG.***	125	160	40	4	2 + 2	4,46
PT06112	**LEGA LEGG.***	125	220	40	4	2 + 2	6,10
PT06113	**LEGA LEGG.***	140	80	40	6	2 + 2	2,94
PT06114	**LEGA LEGG.***	140	130	40	6	2 + 2	4,73
PT06115	**LEGA LEGG.***	140	160	40	6	2 + 2	5,81
PT06116	**LEGA LEGG.***	140	220	40	6	2 + 2	7,96
PT06117	**LEGA LEGG.***	160	80	40	6	2 + 2	3,96
PT06118	**LEGA LEGG.***	160	130	40	6	2 + 2	6,39
PT06119	**LEGA LEGG.***	160	160	40	6	2 + 2	7,84
PT06120	**LEGA LEGG.***	160	220	40	6	2 + 2	10,75

DISTINTA BASE / Bill of Materials

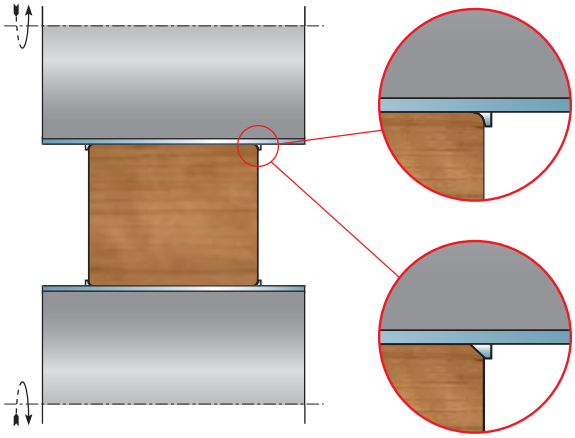
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT061							
			01-09	02-10	03-11	04-12	05-13-17	06-14-18	07-15-19	08-16-20
Coltello / Knife	80 x 13,6 x 1,8	**CBZ03**	4	/	/	/	6	/	/	/
Coltello / Knife	130 x 13,6 x 1,8	**CBZ07**	/	4	/	/	/	6	/	/
Coltello / Knife	160 x 13,6 x 1,8	**CBZ10**	/	/	4	/	/	/	6	/
Coltello / Knife	220 x 13,6 x 1,8	**CBZ14**	/	/	/	4	/	/	/	6
Cuneo / Wedge	78 x 15 x 8	**CU057**	4	/	/	/	6	/	/	/
Cuneo / Wedge	128 x 15 x 8	**CU059**	/	4	/	/	/	6	/	/
Cuneo / Wedge	158 x 15 x 8	**CU060**	/	/	4	/	/	/	6	/
Cuneo / Wedge	218 x 15 x 8	**CU062**	/	/	/	4	/	/	/	6
Supporto Reg. / Adjustable Support	17 x 27 H14,5	**CAR01**	4	4	4	4	4	4	4	4
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	4	4	4	4	4	4	4	4
Vite per Supp. Reg. / Support's Screw	M6 x 16	**VT006**	8	8	8	8	8	8	8	8
Ogiva / Nut	Ø13 x 9	**OG001**	12	16	20	24	18	24	30	36
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	12	16	20	24	18	24	30	36
Strum. di Reg. / regulation instrument	Ø40/12 x 180	**SR001**	1	1	1	1	1	1	1	1
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1	1	1	1

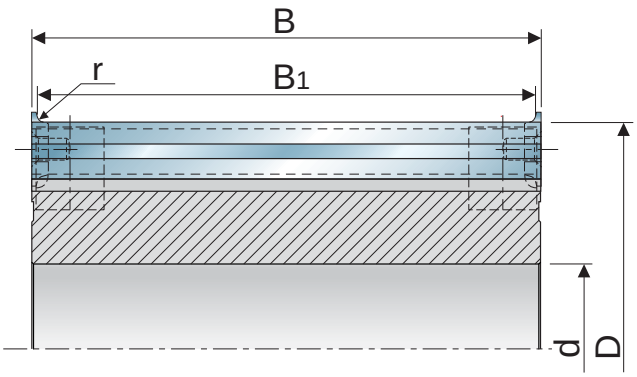


COMPONENTI OPZIONALI / Optional Components								
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT061					
			01-07	02-08	03-09	04-10	05-11	06-12
Inserto Smuss. / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r1,5	**SPF02**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r2	**SPF03**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r3	**SPF04**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 6 r5	**SPF06**	4	4	4	4	4	4

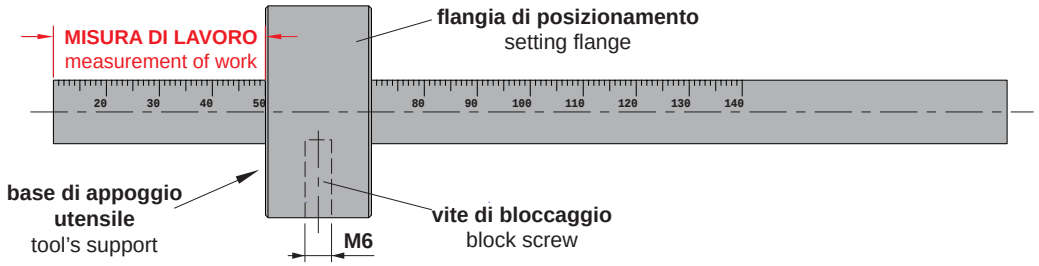


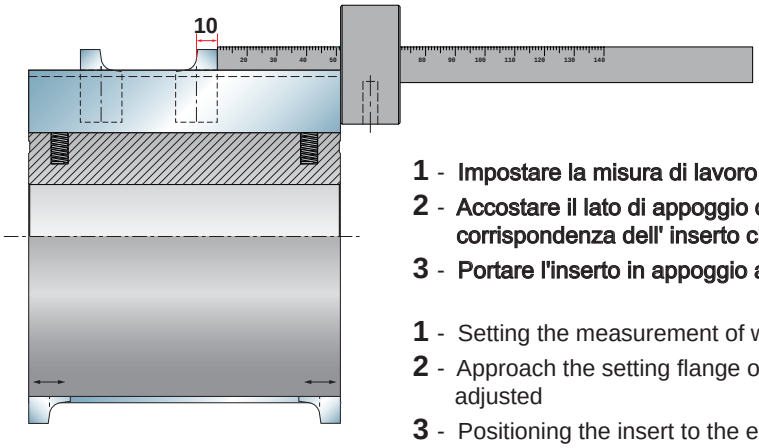
ESEMPI DI LAVORAZIONE
Working Example





STRUMENTO DI REGOLAZIONE
Regulation Instrument





1 - **Impostare la misura di lavoro sulla barra graduata mediante la flangia di posizionamento**
2 - **Accostare il lato di appoggio della flangia di posizionamento sul fianco dell'utensile in corrispondenza dell' inserto che si intende regolare**
3 - **Portare l'inserto in appoggio all'estremità della barra graduata quindi bloccarlo**

1 - Setting the measurement of work on the graduated bar using the positioning flange
2 - Approach the setting flange on the tool's side where there is the insert that must be adjusted
3 - Positioning the insert to the extremity of the graduated bar and block it



TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD - COLTELLO 30x3 o 35x3

Cutter head with standard inserts for rounding and bevelling - Knife 30x3 or 35x3
Kopf mit standard Kanten- bzw. Abrund- Einstäze - Messer vom 30x3 oder 35x3
Cabezal con insertos estándar para rayar y biselar - Cuchilla de 30x3 o 35x3

* **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

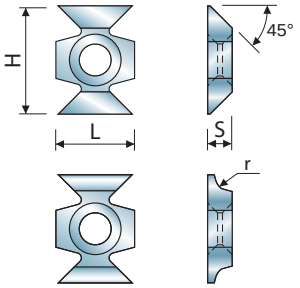
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

INSERTI RAGGIATORI E SMUSSATORI DA ORDINARE SEPARATAMENTE.
The rounding and chamfering inserts must be ordered separately.
Die Messer für die Rundfräsungen und Abfasfräser sind separat zu bestellen.
Los insertos redondeadores y achanfladores se deben pedir aparte.

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	B1 *mm*	d *mm*	Z	I	PESO *Kg*
PT07001	ACCIAIO	125	80	34 ÷ 76,8	40	4	2 + 2	6,60
PT07002	ACCIAIO	125	130	34 ÷ 126,8	40	4	2 + 2	10,58
PT07003	ACCIAIO	125	160	34 ÷ 156,8	40	4	2 + 2	12,96
PT07004	ACCIAIO	125	220	34 ÷ 216,8	40	4	2 + 2	17,74
PT07005	ACCIAIO	140	80	34 ÷ 76,8	40	4	2 + 2	8,56
PT07006	ACCIAIO	140	130	34 ÷ 126,8	40	4	2 + 2	13,76
PT07007	LEGA LEGG.*	125	80	34 ÷ 76,8	40	4	2 + 2	2,27
PT07008	LEGA LEGG.*	125	130	34 ÷ 126,8	40	4	2 + 2	3,64
PT07009	LEGA LEGG.*	125	160	34 ÷ 156,8	40	4	2 + 2	4,46
PT07010	LEGA LEGG.*	125	220	34 ÷ 216,8	40	4	2 + 2	6,10
PT07011	LEGA LEGG.*	140	80	34 ÷ 76,8	40	4	2 + 2	2,94
PT07012	LEGA LEGG.*	140	130	34 ÷ 126,8	40	4	2 + 2	4,73

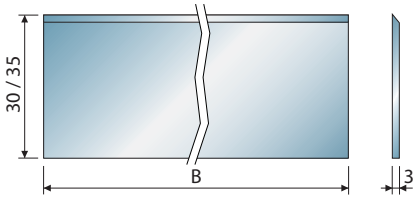
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT070					
			01-07	02-08	03-09	04-10	05-11	06-12
Cuneo / Wedge	78 x 25 x 10	**CU112**	4	/	/	/	4	/
Cuneo / Wedge	128 x 25 x 10	**CU115**	/	4	/	/	/	4
Cuneo / Wedge	158 x 25 x 10	**CU117**	/	/	4	/	/	/
Cuneo / Wedge	218 x 25 x 10	**CU119**	/	/	/	4	/	/
Molla / Spring	Ø7 X 32	**MOL01**	8	8	8	8	8	8
Supporto Reg. / Adjustable Support	17 x 27 H14,5	**CAR01**	4	4	4	4	4	4
Vite per Inserto / Insert's Screw	M5 x 10 Ø10	**VT003**	4	4	4	4	4	4
Vite per Supp. Reg. / Support's Screw	M6 x 16	**VT006**	8	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	12	16	20	24	12	16
Strum. di Reg. / regulation instrument	Ø40/12 x 180	**SR001**	1	1	1	1	1	1
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1	1



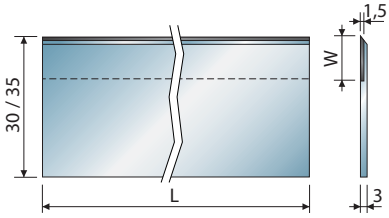
COMPONENTI OPZIONALI / Optional Components								
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT070					
			01-07	02-08	03-09	04-10	05-11	06-12
Inserto Smuss. / Bevelling Insert	22 x 16 x 5 45°	**SPF01**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r1,5	**SPF02**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r2	**SPF03**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 5 r3	**SPF04**	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22 x 16 x 6 r5	**SPF06**	4	4	4	4	4	4

COLTELLI ORDINABILI / Knives to be ordered



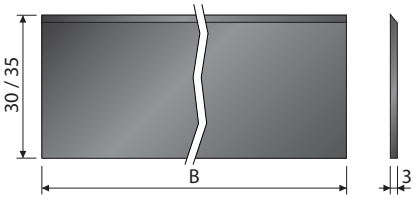
CP

Vedi pag. 390 / see page 390



CPWR

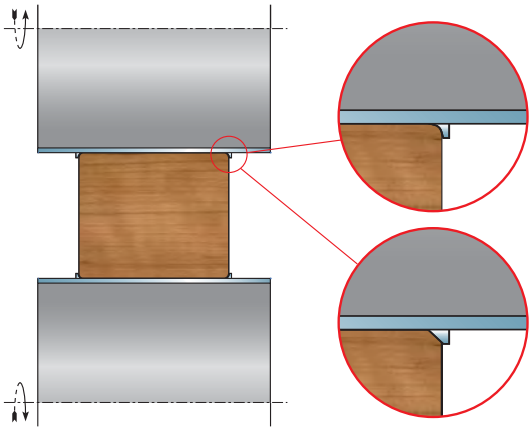
Vedi pag. 391 / see page 391

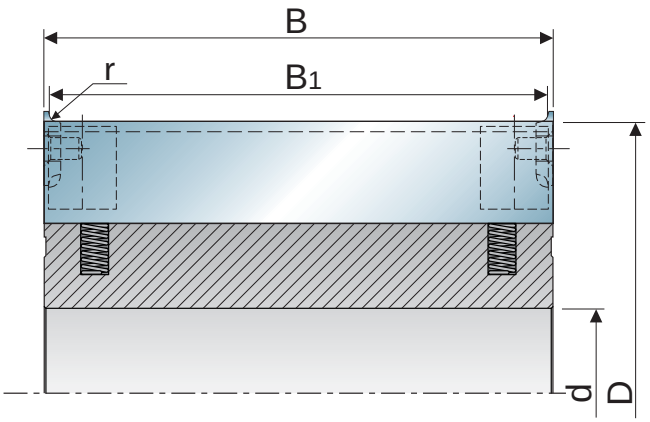


CPW

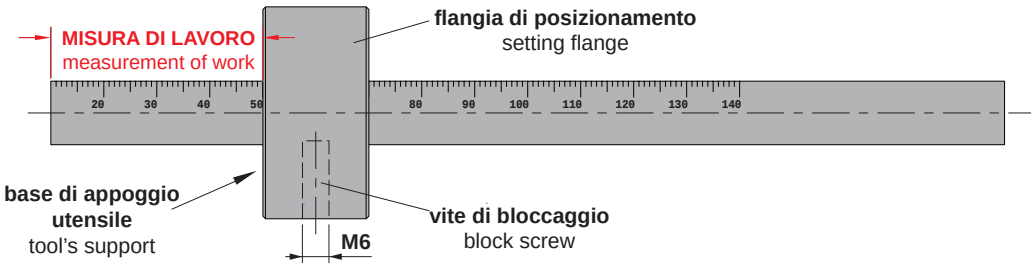
Vedi pag. 392 / see page 392

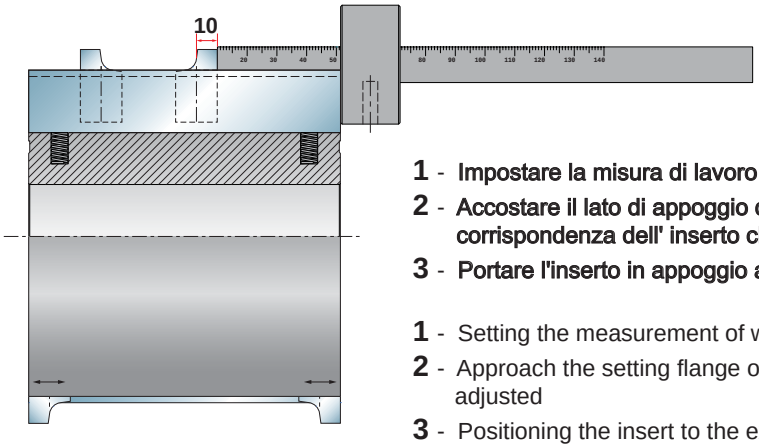
ESEMPI DI LAVORAZIONE
Working Example





STRUMENTO DI REGOLAZIONE
Regulation Instrument





1 - **Impostare la misura di lavoro sulla barra graduata mediante la flangia di posizionamento**

2 - **Accostare il lato di appoggio della flangia di posizionamento sul fianco dell'utensile in corrispondenza dell' inserto che si intende regolare**

3 - **Portare l'inserto in appoggio all'estremità della barra graduata quindi bloccarlo**

1 - Setting the measurement of work on the graduated bar using the positioning flange

2 - Approach the setting flange on the tool's side where there is the insert that must be adjusted

3 - Positioning the insert to the extremity of the graduated bar and block it



TESTA CON INSERTI RAGGIATORI O SPIGOLATORI SPECIALI - COLTELLO 30x3 o 35x3

Cutter head with special inserts for rounding and bevelling - Knife 30x3 or 35x3
Kopf mit spezial Kanten- bzw. Abrund- Einsätze - Messer vom 30x3 oder 35x3
Cabezal con insertos especiales para rayar y biselar - Cuchilla de 30x3 o 35x3

✻ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

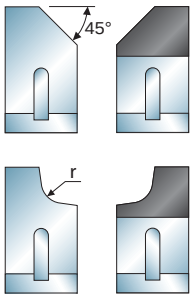
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

INSERTI RAGGIATORI E SMUSSATORI DA ORDINARE SEPARATAMENTE.
The rounding and chamfering inserts must be ordered separately.
Die Messer für die Rundfräsungen und Abfasfräser sind separat zu bestellen.
Los insertos redondeadores y achanfladores se deben pedir aparte.

CODICE CODE	MATERIALE MATERIAL	D *mm*	D_1 *mm*	B *mm*	B_1 *mm*	d *mm*	Z	I	PESO *Kg*
PT07101	ACCIAIO	125	145	80	60	40	4	2 + 2	6,66
PT07102	ACCIAIO	125	145	130	110	40	4	2 + 2	10,67
PT07103	ACCIAIO	125	145	160	140	40	4	2 + 2	13,07
PT07104	ACCIAIO	125	145	220	200	40	4	2 + 2	17,88
PT07105	ACCIAIO	140	160	80	60	40	4	2 + 2	8,62
PT07106	ACCIAIO	140	160	130	110	40	4	2 + 2	13,85
PT07107	LEGA LEGG.*	125	145	80	60	40	4	2 + 2	2,29
PT07108	LEGA LEGG.*	125	145	130	110	40	4	2 + 2	1,90
PT07109	LEGA LEGG.*	125	145	160	140	40	4	2 + 2	4,50
PT07110	LEGA LEGG.*	125	145	220	200	40	4	2 + 2	6,19
PT07111	LEGA LEGG.*	140	160	80	60	40	4	2 + 2	2,97
PT07112	LEGA LEGG.*	140	160	130	110	40	4	2 + 2	4,77

DISTINTA BASE / Bill of Materials

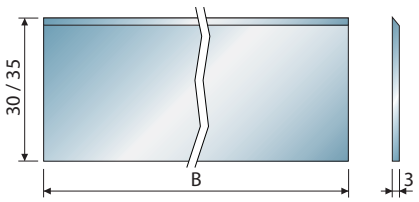
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT071					
			01-07	02-08	03-09	04-10	05-11	06-12
Cuneo / Wedge	78 x 25 x 10	**CU112**	4	/	/	/	4	/
Cuneo / Wedge	128 x 25 x 10	**CU115**	/	4	/	/	/	4
Cuneo / Wedge	158 x 25 x 10	**CU117**	/	/	4	/	/	/
Cuneo / Wedge	218 x 25 x 10	**CU119**	/	/	/	4	/	/
Molla / Spring	Ø7 X 32	**MOL01**	8	8	8	8	8	8
Supporto Ins. Reg. / Adjustable Insert Support	20 x 16 H18	**CAR02**	4	4	4	4	4	4
Vite per Supp. Ins. Reg. / Insert Support's Screw	M6 x 16	**VT006**	8	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	12	12	16	20	12	12
Strumento di Reg. / Regulation instrument	Ø40/12 x 180	**SR001**	1	1	1	1	1	1
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1	1
Chiave per Inserto / Insert's Key	Esagonale 3	**CH003**	1	1	1	1	1	1



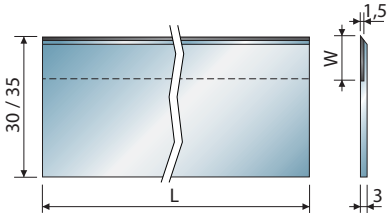
COMPONENTI OPZIONALI / Optional Components								
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PT071					
			01-07	02-08	03-09	04-10	05-11	06-12
Inserto Smuss. / Bevelling Insert	35 x 20 x 8 45°	**CSPS***	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35 x 20 x 8 r1,5	**CSPS***	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35 x 20 x 8 r2	**CSPS***	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35 x 20 x 8 r3	**CSPS***	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35 x 20 x 8 r5	**CSPS***	4	4	4	4	4	4

* **Inserti CSPS** - **Vedi pag. 387** / see page 387

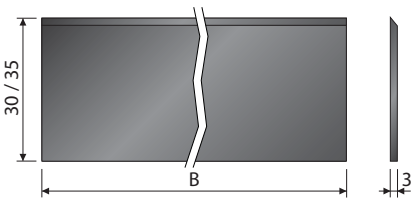
COLTELLI ORDINABILI / Knives to be ordered



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Vedi pag. 390 / see page 390

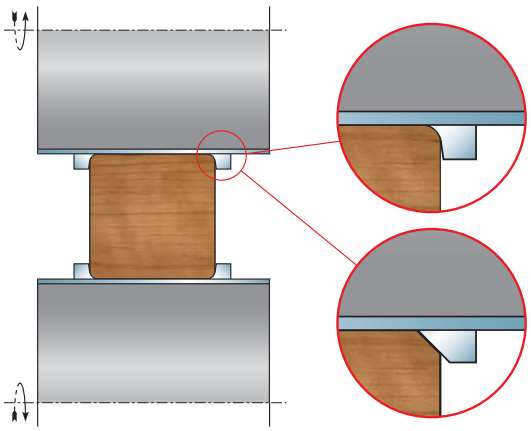


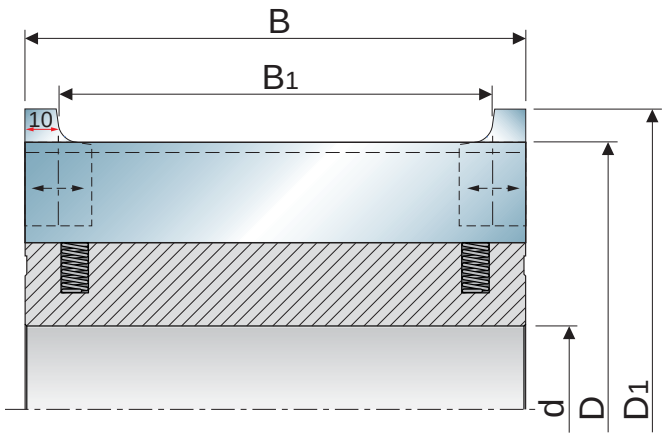
CPWR
Vedi pag. 391 / see page 391



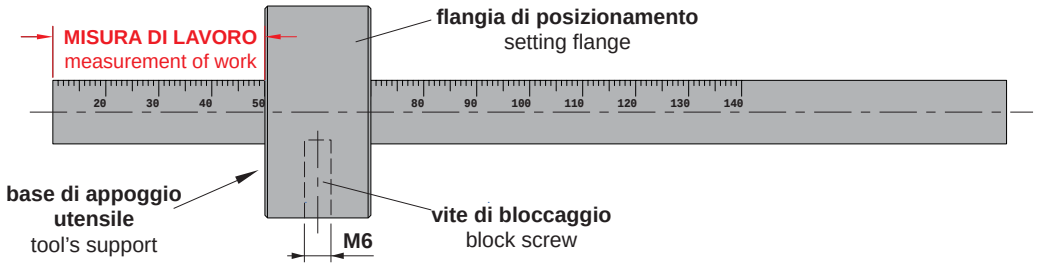
CPW
Vedi pag. 392 / see page 392

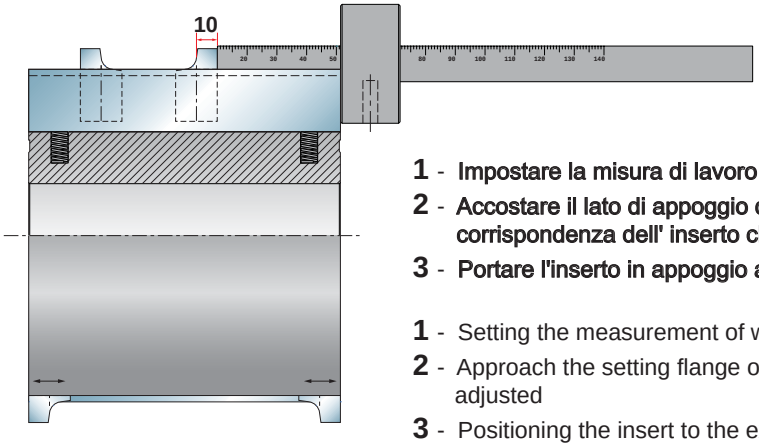
ESEMPI DI LAVORAZIONE
Working Example





STRUMENTO DI REGOLAZIONE
Regulation Instrument





1 - **Impostare la misura di lavoro sulla barra graduata mediante la flangia di posizionamento**
2 - **Accostare il lato di appoggio della flangia di posizionamento sul fianco dell'utensile in corrispondenza dell' inserto che si intende regolare**
3 - **Portare l'inserto in appoggio all'estremità della barra graduata quindi bloccarlo**

1 - Setting the measurement of work on the graduated bar using the positioning flange
2 - Approach the setting flange on the tool's side where there is the insert that must be adjusted
3 - Positioning the insert to the extremity of the graduated bar and block it



TESTA STANDARD Z4 / Z6 / Z8 - COLTELLO 30x3 o 35x3

Standard cutter head Z4 / Z6 / Z8 - Knife 30x3 o 35x3
Standard Messerkopf Z4 / Z6 / Z8 - Messer vom 30x3 oder 35x3
Cabezal estándar Z4 / Z6 / Z8 - Cuchilla de 30x3 o 35x3

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

A RICHIESTA ANCHE CON CORPO IN ACCIAIO
On request also with steel body
Auf Anfrage auch mit Körper aus Stahl
A petición también con cuerpo en acero

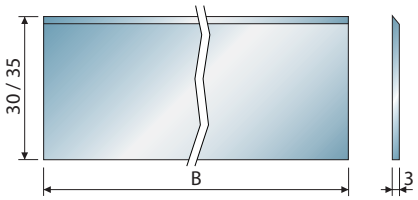
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT08001	LEGA LEGG.	125	100	40	4	2,97
PT08002	LEGA LEGG.	125	120	40	4	3,57
PT08003	LEGA LEGG.	125	150	40	4	4,46
PT08004	LEGA LEGG.	125	180	40	4	5,35
PT08005	LEGA LEGG.	125	230	40	4	6,84
PT08006	LEGA LEGG.	140	100	40	4	3,82
PT08007	LEGA LEGG.	140	120	40	4	4,58
PT08008	LEGA LEGG.	140	150	40	4	5,72
PT08009	LEGA LEGG.	140	180	40	4	6,87
PT08010	LEGA LEGG.	140	230	40	4	8,77
PT08011	LEGA LEGG.	160	100	40	4	5,06
PT08012	LEGA LEGG.	160	120	40	4	6,07
PT08013	LEGA LEGG.	160	150	40	4	7,59
PT08014	LEGA LEGG.	160	180	40	4	9,11
PT08015	LEGA LEGG.	160	230	40	4	11,64
PT08016	LEGA LEGG.	140	100	40	6	3,82
PT08017	LEGA LEGG.	140	120	40	6	4,58
PT08018	LEGA LEGG.	140	150	40	6	5,72
PT08019	LEGA LEGG.	140	180	40	6	6,87
PT08020	LEGA LEGG.	140	230	40	6	8,77
PT08021	LEGA LEGG.	160	100	40	6	5,06
PT08022	LEGA LEGG.	160	120	40	6	6,07
PT08023	LEGA LEGG.	160	150	40	6	7,59
PT08024	LEGA LEGG.	160	180	40	6	9,11
PT08025	LEGA LEGG.	160	230	40	6	11,64
PT08026	LEGA LEGG.	160	100	40	8	5,06
PT08027	LEGA LEGG.	160	120	40	8	6,07
PT08028	LEGA LEGG.	160	150	40	8	7,59
PT08029	LEGA LEGG.	160	180	40	8	9,11
PT08030	LEGA LEGG.	160	230	40	8	11,64

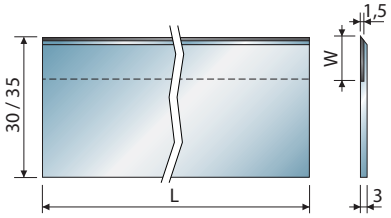
DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT080**				
			01-06-11	**02-07-12**	**03-08-13**	**04-09-14**	**05-10-15**
Cuneo / Wedge	98 x 25 x 10	**CU113**	4	/	/	/	/
Cuneo / Wedge	118 x 25 x 10	**CU114**	/	4	/	/	/
Cuneo / Wedge	148 x 25 x 10	**CU116**	/	/	4	/	/
Cuneo / Wedge	178 x 25 x 10	**CU118**	/	/	/	4	/
Cuneo / Wedge	228 x 25 x 10	**CU120**	/	/	/	/	4
Molla / Spring	Ø7 X 25	**MOL01**	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	12	12	16	20	24
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1

DISTINTA BASE / Bill of Materials										
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT080**							
			16-21	**17-22**	**18-23**	**19-24**	**20-25**	**26**	**27**	**28**	**29**	**30**
Cuneo / Wedge	98 x 25 x 10	**CU113**	6	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	118 x 25 x 10	**CU114**	/	6	/	/	/	/	8	/	/	/
Cuneo / Wedge	148 x 25 x 10	**CU116**	/	/	6	/	/	/	/	8	/	/
Cuneo / Wedge	178 x 25 x 10	**CU118**	/	/	/	6	/	/	/	/	8	/
Cuneo / Wedge	228 x 25 x 10	**CU120**	/	/	/	/	6	/	/	/	/	8
Molla / Spring	Ø7 X 25	**MOL01**	12	12	12	12	12	16	16	16	16	16
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	18	18	24	30	36	24	24	32	40	48
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1	1	1	1	1	1

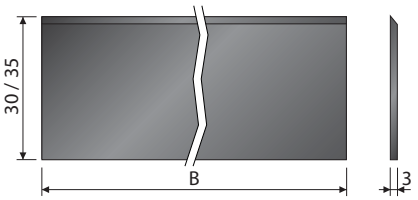
COLTELLI ORDINABILI / Knives to be ordered



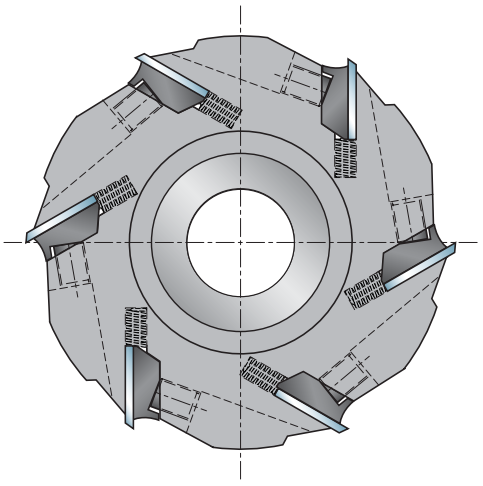
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Vedi pag. 390 / see page 390

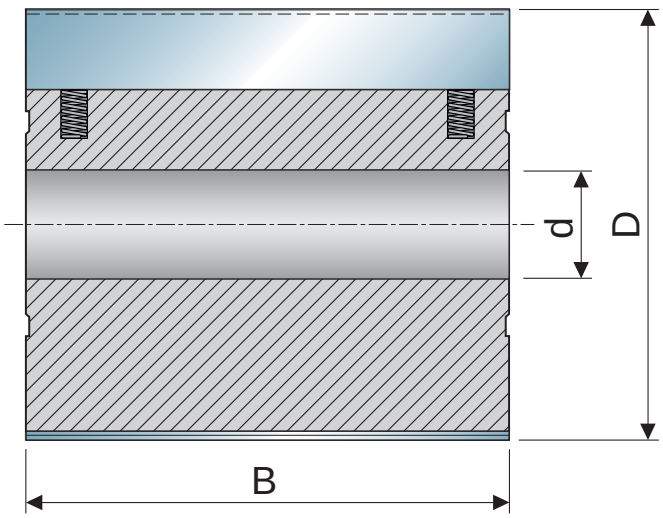


CPWR
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TESTA HYDRO STANDARD Z4 / Z6 / Z8 - COLTELLO 30x3 o 35x3

Standard Hydro cutter head Z4 / Z6 / Z8
- Knife 30x3 o 35x3
Standard Hydro Messerkopf Z4 / Z6 / Z8
- Messer vom 30x3 oder 35x3
Cabezal hidro estándar Z4 / Z6 / Z8
- Cuchilla de 30x3 o 35x3

I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

RICAMBI ORDINABILI
SPARE PARTS



VT024
E-31

VALVOLA DI INGRASSAGGIO
GREASER VALVE



VT025
E-32

VITE DI SFIATO
EXHAUST SCREW



GOR01
C-134

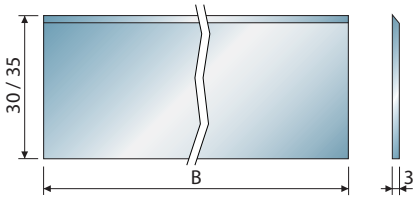
GUARNIZIONE PER BUSSOLA
O-RING'S BUSH

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT08101	ACCIAIO	125	100	40	4	8,64
PT08102	ACCIAIO	125	120	40	4	10,37
PT08103	ACCIAIO	125	150	40	4	12,96
PT08104	ACCIAIO	125	180	40	4	15,56
PT08105	ACCIAIO	125	230	40	4	19,88
PT08106	ACCIAIO	140	100	40	4	11,09
PT08107	ACCIAIO	140	120	40	4	13,31
PT08108	ACCIAIO	140	150	40	4	16,64
PT08109	ACCIAIO	140	180	40	4	19,97
PT08110	ACCIAIO	140	230	40	4	25,51
PT08111	ACCIAIO	160	100	40	4	14,71
PT08112	ACCIAIO	160	120	40	4	17,66
PT08113	ACCIAIO	160	150	40	4	22,07
PT08114	ACCIAIO	160	180	40	4	26,49
PT08115	ACCIAIO	160	230	40	4	33,84
PT08116	ACCIAIO	140	100	40	6	11,09
PT08117	ACCIAIO	140	120	40	6	13,31
PT08118	ACCIAIO	140	150	40	6	16,64
PT08119	ACCIAIO	140	180	40	6	19,97
PT08120	ACCIAIO	140	230	40	6	25,51
PT08121	ACCIAIO	160	100	40	6	14,71
PT08122	ACCIAIO	160	120	40	6	17,66
PT08123	ACCIAIO	160	150	40	6	22,07
PT08124	ACCIAIO	160	180	40	6	26,49
PT08125	ACCIAIO	160	230	40	6	33,84
PT08126	ACCIAIO	160	100	40	8	14,71
PT08127	ACCIAIO	160	120	40	8	17,66
PT08128	ACCIAIO	160	150	40	8	22,07
PT08129	ACCIAIO	160	180	40	8	26,49
PT08130	ACCIAIO	160	230	40	8	33,84

DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT081**				
			01-06-11	**02-07-12**	**03-08-13**	**04-09-14**	**05-10-15**
Cuneo / Wedge	98 x 25 x 10	**CU113**	4	/	/	/	/
Cuneo / Wedge	118 x 25 x 10	**CU114**	/	4	/	/	/
Cuneo / Wedge	148 x 25 x 10	**CU116**	/	/	4	/	/
Cuneo / Wedge	178 x 25 x 10	**CU118**	/	/	/	4	/
Cuneo / Wedge	228 x 25 x 10	**CU120**	/	/	/	/	4
Molla / Spring	Ø7 X 25	**MOL01**	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	12	12	16	20	24
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1
Chiave per Sfiato / Exhaust Screw's key	Esagonale 3	**CH003**	1	1	1	1	1

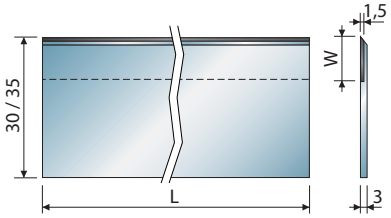
DISTINTA BASE / Bill of Materials										
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT081**							
			16-21	**17-22**	**18-23**	**19-24**	**20-25**	**26**	**27**	**28**	**29**	**30**
Cuneo / Wedge	98 x 25 x 10	**CU113**	6	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	118 x 25 x 10	**CU114**	/	6	/	/	/	/	8	/	/	/
Cuneo / Wedge	148 x 25 x 10	**CU116**	/	/	6	/	/	/	/	8	/	/
Cuneo / Wedge	178 x 25 x 10	**CU118**	/	/	/	6	/	/	/	/	8	/
Cuneo / Wedge	228 x 25 x 10	**CU120**	/	/	/	/	6	/	/	/	/	8
Molla / Spring	Ø7 X 25	**MOL01**	12	12	12	12	12	16	16	16	16	16
Vite per Cuneo / Wedge's Screw	M12 x 20	**VT017**	18	18	24	30	36	24	24	32	40	48
Chiave per Cuneo / Wedge's key	Esagonale 6	**CH006**	1	1	1	1	1	1	1	1	1	1
Chiave per Sfiato / Exhaust Screw's key	Esagonale 3	**CH003**	1	1	1	1	1	1	1	1	1	1

COLTELLI ORDINABILI / Knives to be ordered



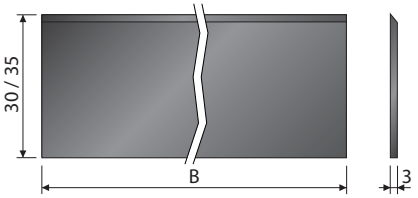
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Vedi pag. 390 / see page 390



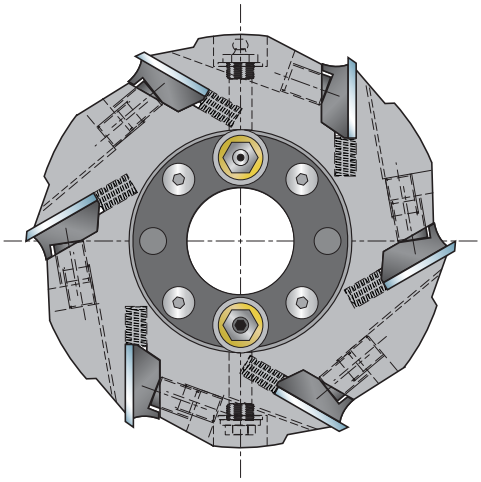
CPWR

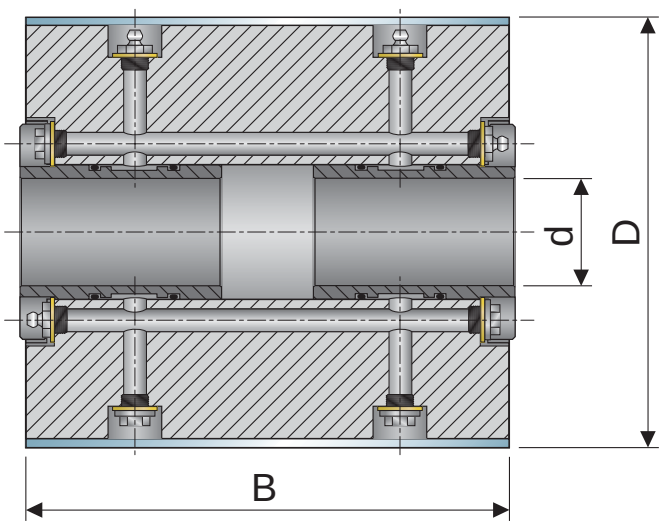
Vedi pag. 391 / see page 391

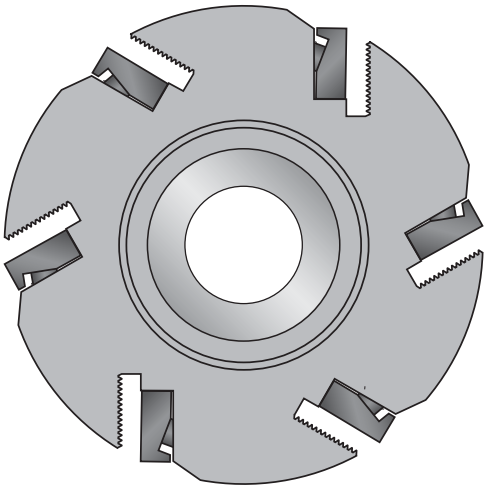


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TESTA CON PROFILO SAGOMATO Z4 / Z6 / Z8 - COLTELLO ZIGRINATO S=8-10mm

Profiled cutter head Z4 / Z6 / Z8
- Knurled Knife S=8/10 mm
Profilierter Messerkopf Z4 / Z6 / Z8
- Gerändeltesmesser S=8/10 mm
Cabezal perfilado Z4 / Z6 / Z8
- Cuchilla estriada S=8/10 mm

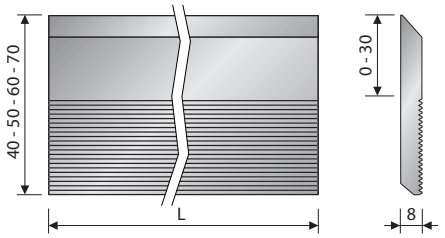
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT09001	ACCIAIO	122	40	40	4	2,91
PT09002	ACCIAIO	122	60	40	4	4,37
PT09003	ACCIAIO	122	80	40	4	5,82
PT09004	ACCIAIO	122	100	40	4	7,28
PT09005	ACCIAIO	122	130	40	4	9,46
PT09006	ACCIAIO	122	150	40	4	10,91
PT09007	ACCIAIO	122	180	40	4	13,10
PT09008	ACCIAIO	122	200	40	4	14,55
PT09009	ACCIAIO	122	230	40	4	16,73
PT09010	ACCIAIO	137	40	40	4	3,87
PT09011	ACCIAIO	137	60	40	4	5,80
PT09012	ACCIAIO	137	80	40	4	7,74
PT09013	ACCIAIO	137	100	40	4	9,67
PT09014	ACCIAIO	137	130	40	4	12,57
PT09015	ACCIAIO	137	150	40	4	14,50
PT09016	ACCIAIO	137	180	40	6	16,59
PT09017	ACCIAIO	137	200	40	6	18,43
PT09018	ACCIAIO	137	230	40	6	21,19
PT09019	ACCIAIO	152	60	40	6	7,13
PT09020	ACCIAIO	152	100	40	6	11,89
PT09021	ACCIAIO	152	130	40	6	15,45
PT09022	ACCIAIO	152	150	40	6	17,83
PT09023	ACCIAIO	152	180	40	6	21,39
PT09024	ACCIAIO	152	200	40	6	23,77
PT09025	ACCIAIO	152	230	40	6	27,34
PT09026	ACCIAIO	160	60	40	8	7,74
PT09027	ACCIAIO	160	100	40	8	12,89
PT09028	ACCIAIO	160	130	40	8	16,76
PT09029	ACCIAIO	160	150	40	8	19,34
PT09030	ACCIAIO	160	180	40	8	23,21
PT09031	ACCIAIO	160	200	40	8	25,79
PT09032	ACCIAIO	160	230	40	8	29,65

DISTINTA BASE / Bill of Materials										
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT090**								
			01-10	**02-11**	**03-12**	**04-13**	**05-14**	**06-15**	**07-16**	**08-17**	**09-18**
Cuneo / Wedge	38 x 24 x 10	**CU132**	4	/	/	/	/	/	/	/	/
Cuneo / Wedge	58 x 24 x 10	**CU133**	/	4	/	/	/	/	/	/	/
Cuneo / Wedge	78 x 24 x 10	**CU134**	/	/	4	/	/	/	/	/	/
Cuneo / Wedge	98 x 24 x 10	**CU135**	/	/	/	4	/	/	/	/	/
Cuneo / Wedge	128 x 24 x 10	**CU136**	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	148 x 24 x 10	**CU137**	/	/	/	/	/	4	/	/	/
Cuneo / Wedge	178 x 24 x 10	**CU139**	/	/	/	/	/	/	4	/	/
Cuneo / Wedge	198 x 24 x 10	**CU140**	/	/	/	/	/	/	/	4	/
Cuneo / Wedge	228 x 24 x 10	**CU142**	/	/	/	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M10 x 20	**VT022**	8	8	12	12	16	16	20	20	24
Chiave per Cuneo / Wedge's Key	Esagonale 5	**CH005**	1	1	1	1	1	1	1	1	1

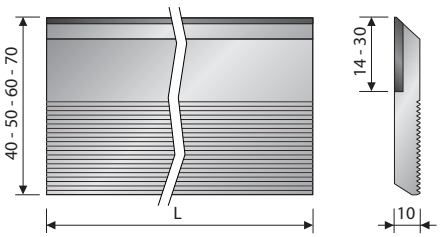
DISTINTA BASE / Bill of Material															
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT090**												
			19	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**
Cuneo / Wedge	58 x 24 x 10	**CU133**	6	/	/	/	/	/	/	8	/	/	/	/	/	/
Cuneo / Wedge	98 x 24 x 10	**CU135**	/	6	/	/	/	/	/	/	8	/	/	/	/	/
Cuneo / Wedge	128 x 24 x 10	**CU136**	/	/	6	/	/	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	148 x 24 x 10	**CU137**	/	/	/	6	/	/	/	/	/	/	8	/	/	/
Cuneo / Wedge	178 x 24 x 10	**CU139**	/	/	/	/	6	/	/	/	/	/	/	8	/	/
Cuneo / Wedge	198 x 24 x 10	**CU140**	/	/	/	/	/	6	/	/	/	/	/	/	8	/
Cuneo / Wedge	228 x 24 x 10	**CU142**	/	/	/	/	/	/	6	/	/	/	/	/	/	8
Vite per Cuneo / Wedge's Screw	M10 x 20	**VT022**	12	18	24	24	30	30	36	16	24	32	32	40	40	48
Chiave per Cuneo / Wedge's Key	Esagonale 5	**CH005**	1	1	1	1	1	1	1	1	1	1	1	1	1	1

COLTELLI ORDINABILI / Knives to be ordered



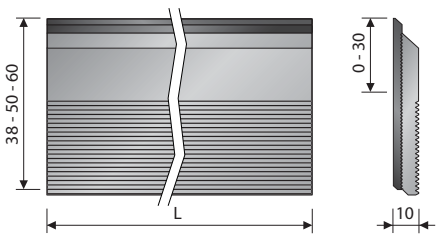
CR

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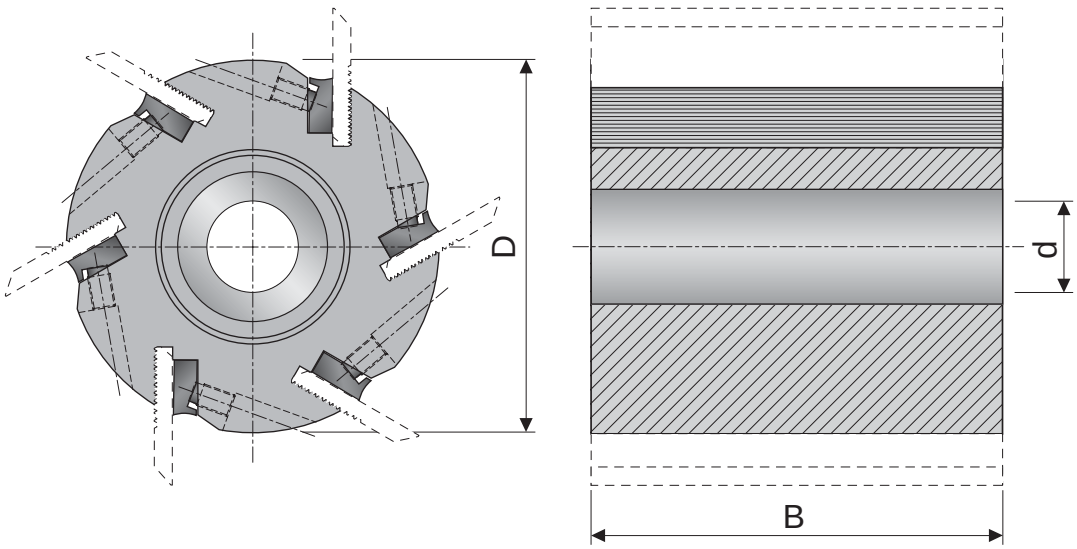
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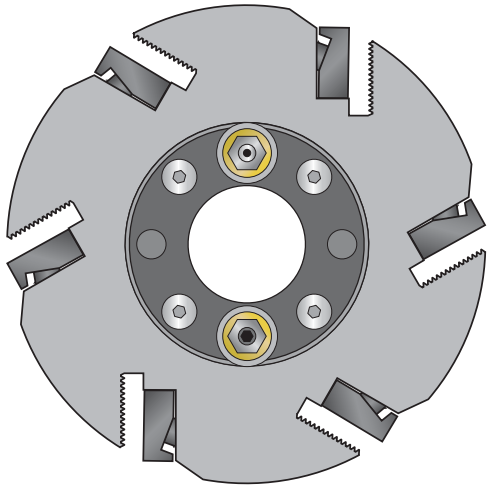
Vedi pag. 394 / see page 394



Super Pack

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TESTA HYDRO CON PROFILO SAGOMATO Z4 / Z6 / Z8 - COLTELLO ZIGRINATO SP=8-10mm

Profiled hydro cutter head Z4 / Z6 / Z8
- Knurled Knife S=8/10 mm
Profilierter Hydro Messerkopf Z4 / Z6 / Z8
- Gerändeltesmesser S=8/10 mm
Cabezal hidro perfilado Z4 / Z6 / Z8
- Cuchilla estriada S=8/10 mm

I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

RICAMBI ORDINABILI
SPARE PARTS



VT024
E-31
VALVOLA DI INGRASSAGGIO
GREASER VALVE



VT025
E-32
VITE DI SFIATO
EXHAUST SCREW



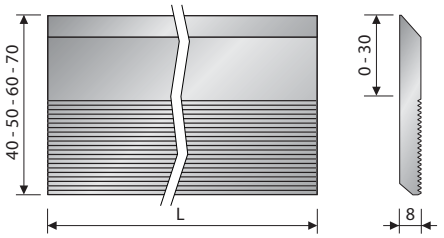
GOR01
C-134
GUARNIZIONE PER BUSSOLA
O-RING'S BUSH

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	PESO *Kg*
PT09101	ACCIAIO	122	60	40	4	4,37
PT09102	ACCIAIO	122	100	40	4	7,28
PT09103	ACCIAIO	122	130	40	4	9,46
PT09104	ACCIAIO	122	150	40	4	10,91
PT09105	ACCIAIO	122	180	40	4	13,10
PT09106	ACCIAIO	122	200	40	4	14,55
PT09107	ACCIAIO	122	230	40	4	16,73
PT09108	ACCIAIO	137	60	40	4	5,80
PT09109	ACCIAIO	137	100	40	4	9,67
PT09110	ACCIAIO	137	130	40	4	12,57
PT09111	ACCIAIO	137	150	40	4	14,50
PT09112	ACCIAIO	137	180	40	4	17,41
PT09113	ACCIAIO	137	200	40	4	19,34
PT09114	ACCIAIO	137	230	40	4	22,24
PT09115	ACCIAIO	152	60	40	6	7,13
PT09116	ACCIAIO	152	100	40	6	11,89
PT09117	ACCIAIO	152	130	40	6	15,45
PT09118	ACCIAIO	152	150	40	6	17,83
PT09119	ACCIAIO	152	180	40	6	21,39
PT09120	ACCIAIO	152	200	40	6	23,77
PT09121	ACCIAIO	152	230	40	6	27,34
PT09122	ACCIAIO	160	60	40	8	7,74
PT09123	ACCIAIO	160	100	40	8	12,89
PT09124	ACCIAIO	160	130	40	8	16,76
PT09125	ACCIAIO	160	150	40	8	19,34
PT09126	ACCIAIO	160	180	40	8	23,21
PT09127	ACCIAIO	160	200	40	8	25,79
PT09128	ACCIAIO	160	230	40	8	29,65

DISTINTA BASE / Bill of Materials										
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT091**						
			01-08	**02-09**	**03-10**	**04-11**	**05-12**	**06-13**	**07-14**
Cuneo / Wedge	58 x 24 x 10	**CU133**	4	/	/	/	/	/	/
Cuneo / Wedge	98 x 24 x 10	**CU135**	/	4	/	/	/	/	/
Cuneo / Wedge	128 x 24 x 10	**CU136**	/	/	4	/	/	/	/
Cuneo / Wedge	148 x 24 x 10	**CU137**	/	/	/	4	/	/	/
Cuneo / Wedge	178 x 24 x 10	**CU139**	/	/	/	/	4	/	/
Cuneo / Wedge	198 x 24 x 10	**CU140**	/	/	/	/	/	4	/
Cuneo / Wedge	228 x 24 x 10	**CU142**	/	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M10 x 20	**VT022**	8	8	12	12	16	16	20
Chiave per Cuneo / Wedge's key	Esagonale 5	**CH005**	1	1	1	1	1	1	1
Chiave per Sfiato / Exhaust Screw's Key	Esagonale 3	**CH003**	1	1	1	1	1	1	1

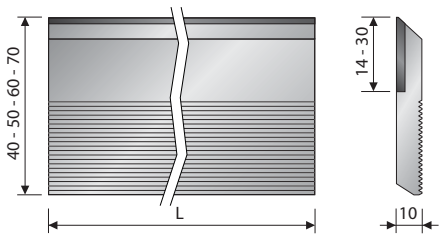
DISTINTA BASE / Bill of Materials															
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PT091**												
			15	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**
Cuneo / Wedge	58 x 24 x 10	**CU133**	6	/	/	/	/	/	/	8	/	/	/	/	/	/
Cuneo / Wedge	98 x 24 x 10	**CU135**	/	6	/	/	/	/	/	/	8	/	/	/	/	/
Cuneo / Wedge	128 x 24 x 10	**CU136**	/	/	6	/	/	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	148 x 24 x 10	**CU137**	/	/	/	6	/	/	/	/	/	/	8	/	/	/
Cuneo / Wedge	178 x 24 x 10	**CU139**	/	/	/	/	6	/	/	/	/	/	/	8	/	/
Cuneo / Wedge	198 x 24 x 10	**CU140**	/	/	/	/	/	6	/	/	/	/	/	/	8	/
Cuneo / Wedge	228 x 24 x 10	**CU142**	/	/	/	/	/	/	6	/	/	/	/	/	/	8
Vite per Cuneo / Wedge's Screw	M10 x 20	**VT022**	12	18	24	24	30	30	36	16	24	32	32	40	40	48
Chiave per Cuneo / Wedge's Key	Esagonale 5	**CH005**	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chiave per Sfiato / Exhaust Screw's Key	Esagonale 3	**CH003**	1	1	1	1	1	1	1	1	1	1	1	1	1	1

COLTELLI ORDINABILI / Knives to be ordered



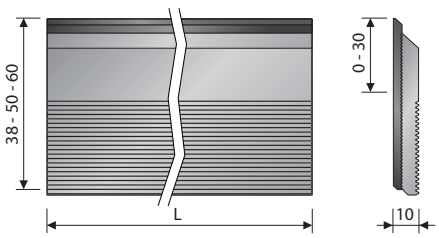
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Vedi pag. 393 / see page 393



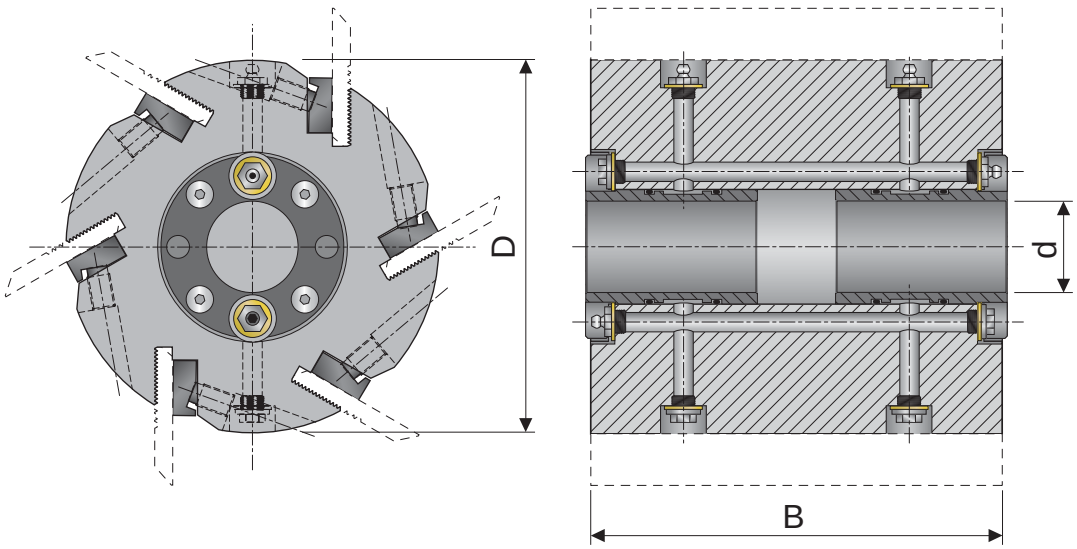
CRW

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Super Pack

Vedi pag. 395 / see page 395

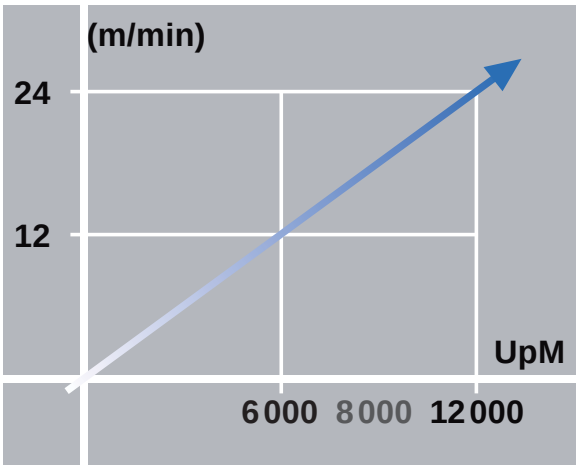


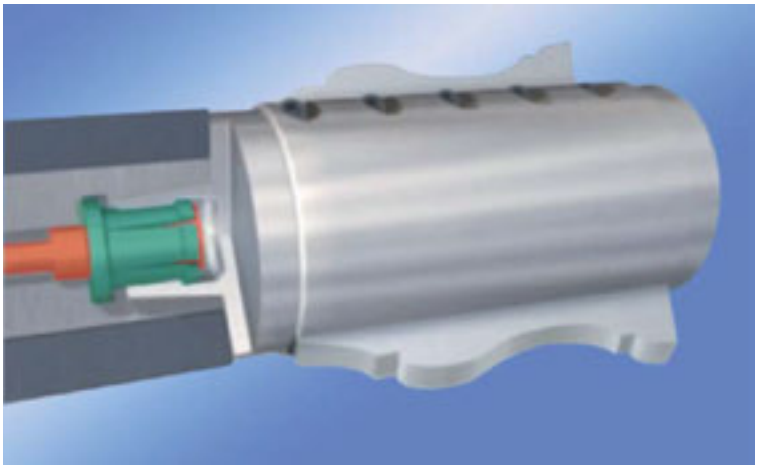
UTENSILI CON ATTACCO HSK-85-W

TOOLS WITH HSK-85-W

WERKZEUG MIT HSK-85-W AUFNAHME

HERRAMIENTA CON HSK-85-W





Albero portautensili con attacco HSK 85 W	PL 010	**265**
Tool's holder with HSK85W • Werkzengaufnahme mit HSK85W Portaherramientas con HSK85W		
Albero portautensili con attacco HSK 85 W	PL 015	**266**
Tool's holder with HSK85W • Werkzengaufnahme mit HSK85W Portaherramientas con HSK85W		
Teste per Sgrossare con coltello reversibile con raggio e angoli arrotondati	PL 020	**267**
Cutterhead for roughing with reversible knife with radius and rounded edges • Schrupfräserkopf - Wendeschneidplatte mit Radius und Abrundkanten Cabezal para desbastar con cuchilla reversible con radio y cantos redondeados		
Teste per Sgrossare con coltello reversibile con angoli smussati	PL 030	**268**
Cutterhead for roughing with reversible knife with chamfered edges • Schrupfräserkopf - Wendeschneidplatte mit Schrägkanten Cabezal para desbastar con cuchilla reversiblem con cantos biselados		
Teste per Finitura con coltelli Bulldozer	PL 040	**269**
Finishing cutterhead with Bulldozer knives • Fertigungskopf mit Bulldozer Wendeplatten Cabezal para acabado con cuchillas Bulldozer		
Teste per Finitura con coltelli Centrolock	PL 050	**270**
Finishing cutterhead with Centrolock knives • Fertigungskopf mit Centrolock Wendeplatten Cabezal para acabado con cuchillas Centrolock		
Teste per profilo sagomato con coltello zigrinato S=8-10mm	PL 060	**271**
Profiled cutterhead with corrugated knife S=8-10mm • Profilmesserkopf mit Rückverzahnte Messer S=8-10mm Cabezal para perfilado con cuchilla estriada S=8-10mm		

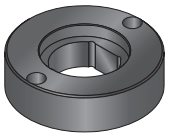
MONTENERO
WOODWORKING·TOOLS



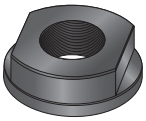
ALBERO PORTAUTENSILI CON ATTACCO HSK 85 W

Tool's holder with HSK 85 W
Werkzengaufnahme mit HSK 85 W
Portaherramientas con HSK 85 W

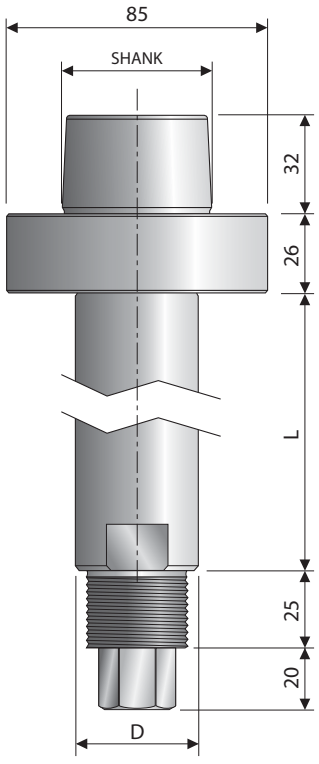
CODE CODE	ATTACCO SHANK	D *mm*	L *mm*
PL01001	HSK 85 W	30	63
PL01002	HSK 85 W	30	93
PL01003	HSK 85 W	30	103
PL01004	HSK 85 W	30	123
PL01005	HSK 85 W	30	203
PL01006	HSK 85 W	35	63
PL01007	HSK 85 W	35	93
PL01008	HSK 85 W	35	103
PL01009	HSK 85 W	35	123
PL01010	HSK 85 W	35	203
PL01011	HSK 85 W	40	63
PL01012	HSK 85 W	40	93
PL01013	HSK 85 W	40	103
PL01014	HSK 85 W	40	123
PL01015	HSK 85 W	40	203
PL01016	HSK 85 W	50	63
PL01017	HSK 85 W	50	93
PL01018	HSK 85 W	50	103
PL01019	HSK 85 W	50	123
PL01020	HSK 85 W	50	203



ANELLO DISTANZIALE
SPACER RING



GHIERA DI BLOCCAGGIO
CLAMPING NUT

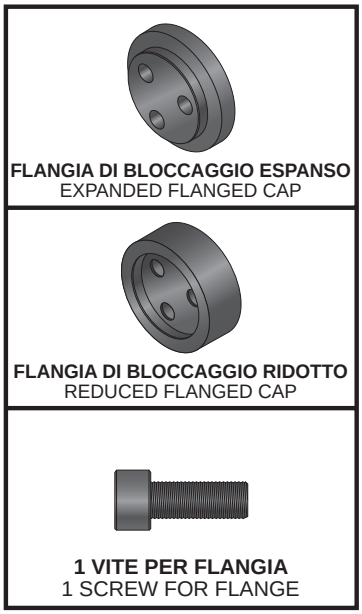




ALBERO PORTAUTENSILI CON ATTACCO HSK 85 W

Tool's holder with HSK 85 W
Werkzengaufnahme mit HSK 85 W
Portaherramientas con HSK 85 W

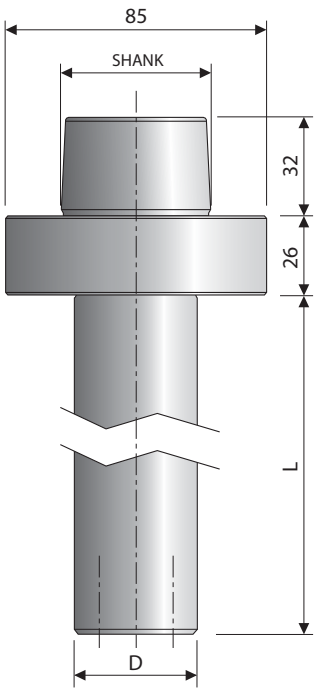
CODE CODE	ATTACCO SHANK	D *mm*	L *mm*
PL01501	HSK 85 W	30	63
PL01502	HSK 85 W	30	93
PL01503	HSK 85 W	30	103
PL01504	HSK 85 W	30	123
PL01505	HSK 85 W	30	203
PL01506	HSK 85 W	35	63
PL01507	HSK 85 W	35	93
PL01508	HSK 85 W	35	103
PL01509	HSK 85 W	35	123
PL01510	HSK 85 W	35	203
PL01511	HSK 85 W	40	63
PL01512	HSK 85 W	40	93
PL01513	HSK 85 W	40	103
PL01514	HSK 85 W	40	123
PL01515	HSK 85 W	40	203
PL01516	HSK 85 W	50	63
PL01517	HSK 85 W	50	93
PL01518	HSK 85 W	50	103
PL01519	HSK 85 W	50	123
PL01520	HSK 85 W	50	203



FLANGIA DI BLOCCAGGIO ESPANSO
EXPANDED FLANGED CAP

FLANGIA DI BLOCCAGGIO RIDOTTO
REDUCED FLANGED CAP

1 VITE PER FLANGIA
1 SCREW FOR FLANGE



MONTENERO
WOODWORKING·TOOLS



TESTA A SGROSSARE CON COLTELLO REVERSIBILE RAGGIATO

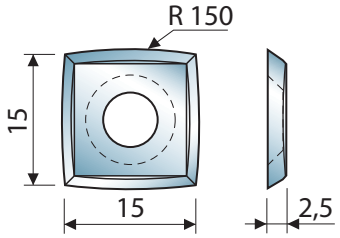
Cutterhead for roughing with reversible knife with radius and rounded edges
Schrupfräserkopf - Wendeschneidplatte mit Radius und Abrundkanten
Cabezal para desbastar con cuchilla reversible con radio y cantos redondeados

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

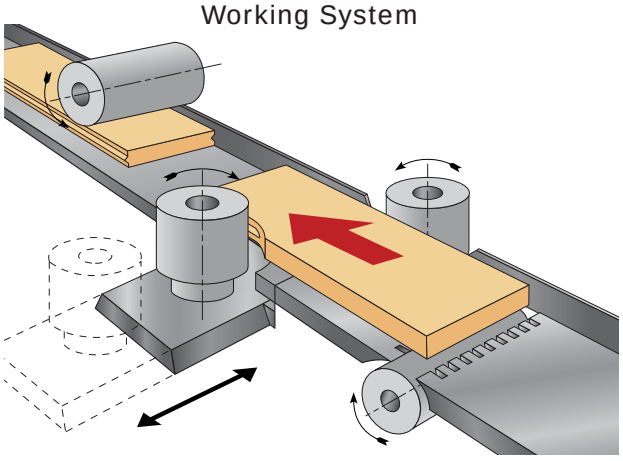
CODE CODE	**MATERIALE** MATERIAL	**D** *mm*	**ATTACCO** SHANK	**L** *mm*	**Z**	**ROTAZ.** ROTAT.
PL02001	**LEGA LEGG.**	93	HSK 85 W	84	4	R
PL02002	**LEGA LEGG.**	93	HSK 85 W	103	4	R
PL02003	**LEGA LEGG.**	93	HSK 85 W	131	4	R
PL02004	**LEGA LEGG.**	93	HSK 85 W	160	4	R
PL02005	**LEGA LEGG.**	93	HSK 85 W	188	4	R
PL02006	**LEGA LEGG.**	93	HSK 85 W	226	4	R
PL02007	**LEGA LEGG.**	93	HSK 85 W	84	4	L
PL02008	**LEGA LEGG.**	93	HSK 85 W	103	4	L
PL02009	**LEGA LEGG.**	93	HSK 85 W	131	4	L
PL02010	**LEGA LEGG.**	93	HSK 85 W	160	4	L
PL02011	**LEGA LEGG.**	93	HSK 85 W	188	4	L
PL02012	**LEGA LEGG.**	93	HSK 85 W	226	4	L

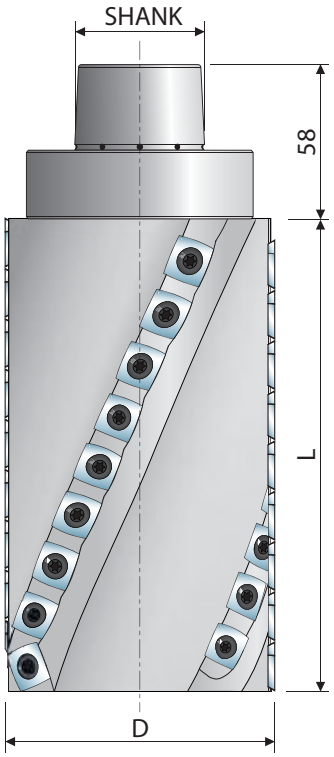
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PL020**					
			01/07	**02/08**	**03/09**	**04/10**	**05/11**	**06/12**
Coltello / Knife	15 x 15 x 2,5 r150	**CRB02**	16	20	26	32	38	46
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø9	**VT051**	16	20	26	32	38	46
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1



SCHEMA DI LAVORAZIONE
Working System







TESTA A SGROSSARE CON COLTELLO REVERSIBILE CON ANGOLI SMUSSATI

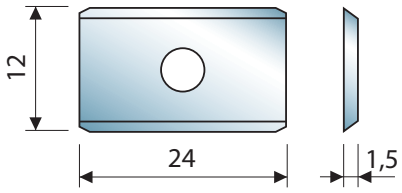
Cutterhead for roughing with reversible knife with chamfered edges
Schrupfräserkopf - Wendeschneidplatte mit Schrägkanten
Cabezal para desbastar con cuchilla reversiblem con cantos biselados

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

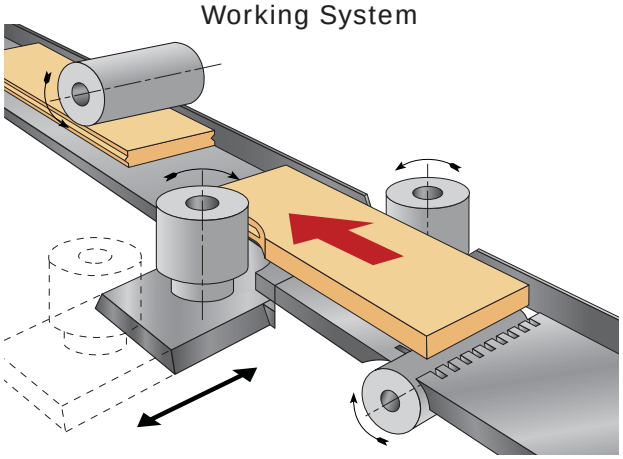
CODE CODE	MATERIALE MATERIAL	D *mm*	ATTACCO SHANK	L *mm*	Z	ROTAZ. ROTAT.
PL03001	LEGA LEGG.	100	HSK 85 W	79	6	R
PL03002	LEGA LEGG.	100	HSK 85 W	130	6	R
PL03003	LEGA LEGG.	100	HSK 85 W	166	6	R
PL03004	LEGA LEGG.	100	HSK 85 W	184	6	R
PL03005	LEGA LEGG.	100	HSK 85 W	237	6	R
PL03006	LEGA LEGG.	100	HSK 85 W	79	6	L
PL03007	LEGA LEGG.	100	HSK 85 W	130	6	L
PL03008	LEGA LEGG.	100	HSK 85 W	166	6	L
PL03009	LEGA LEGG.	100	HSK 85 W	184	6	L
PL03010	LEGA LEGG.	100	HSK 85 W	237	6	L

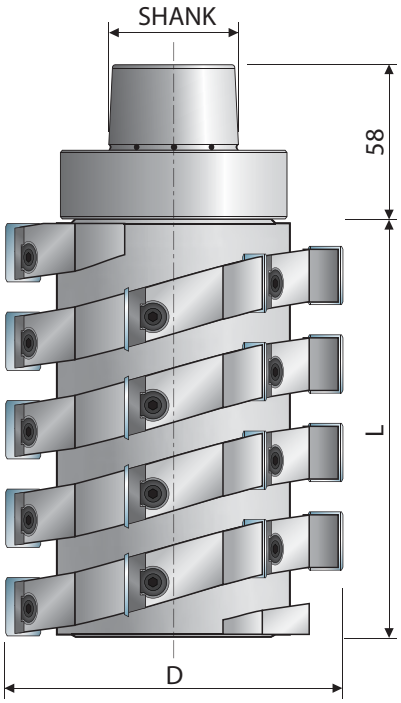
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE PL030				
			01/06	02/07	03/08	04/09	05/10
Coltello / Knife	24 x 12 x 1,5	**CRAB01**	12	21	27	30	39
Cuneo / Wedge	21 x 15 x 8	**CU005**	12	21	27	30	39
Ogiva / Nut	Ø13 x 9	**OG001**	12	21	27	30	39
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	12	21	27	30	39
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1



SCHEMA DI LAVORAZIONE
Working System





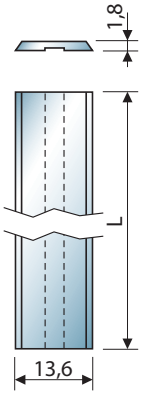
MONTENERO
WOODWORKING·TOOLS



TESTA A FINITURE CON COLTELLI BULLDOZER

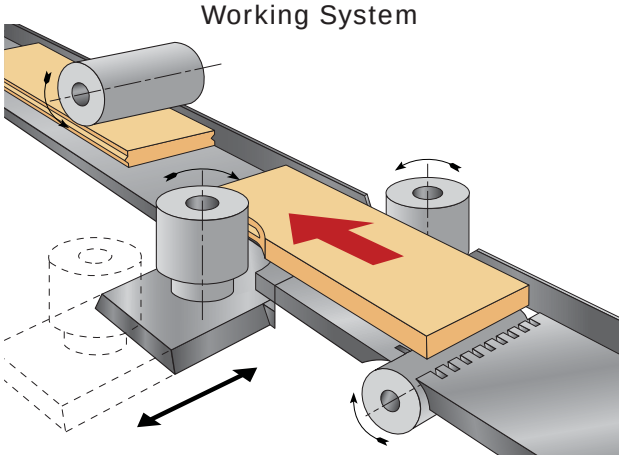
Finishing cutterhead with Bulldozer knives
Fertigungskopf mit Bulldozer Wendeplatten
Cabezal para acabado con cuchillas Bulldozer

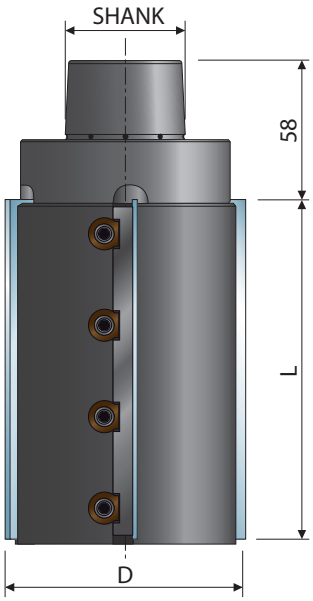
CODE CODE	D *mm*	ATTACCO SHANK	L *mm*	Z	ROTAZ. ROTAT.
PL04001	93	HSK 85 W	80	4	R
PL04002	93	HSK 85 W	100	4	R
PL04003	93	HSK 85 W	160	4	R
PL04004	93	HSK 85 W	180	4	R
PL04005	93	HSK 85 W	230	4	R
PL04006	93	HSK 85 W	80	4	L
PL04007	93	HSK 85 W	100	4	L
PL04008	93	HSK 85 W	160	4	L
PL04009	93	HSK 85 W	180	4	L
PL04010	93	HSK 85 W	230	4	L



DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PL040**				
			01/06	**02/07**	**03/08**	**04/09**	**05/10**
Coltello / Knife	80 x 13,6 x 1,8	**CBZ03**	4	/	/	/	/
Coltello / Knife	100 x 13,6 x 1,8	**CBZ04**	/	4	/	/	/
Coltello / Knife	160 x 13,6 x 1,8	**CBZ10**	/	/	4	/	/
Coltello / Knife	180 x 13,6 x 1,8	**CBZ11**	/	/	/	4	/
Coltello / Knife	220 x 13,6 x 1,8	**CBZ15**	/	/	/	/	4
Cuneo / Wedge	78 x 15 x 8	**CU057**	4	/	/	/	/
Cuneo / Wedge	98 x 15 X 8	**CU058**	/	4	/	/	/
Cuneo / Wedge	158 x 15 X 8	**CU060**	/	/	4	/	/
Cuneo / Wedge	178 x 15 X 8	**CU061**	/	/	/	4	/
Cuneo / Wedge	228 x 15 X 8	**CU063**	/	/	/	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	12	12	20	20	24
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	12	12	20	20	24
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1

SCHEMA DI LAVORAZIONE
Working System



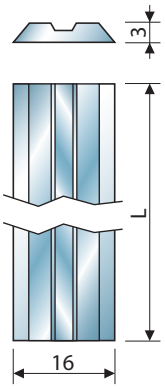




TESTA A FINITURA CON COLTELLI CENTROLOCK

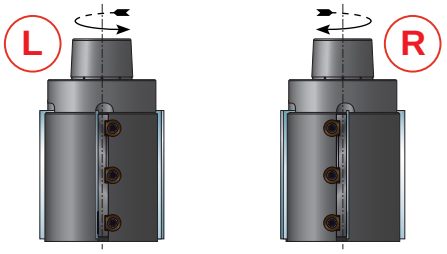
Finishing cutterhead with Centrolock knives
Fertigungskopf mit Centrolock Wendeplatten
Cabezal para acabado con cuchillas Centrolock

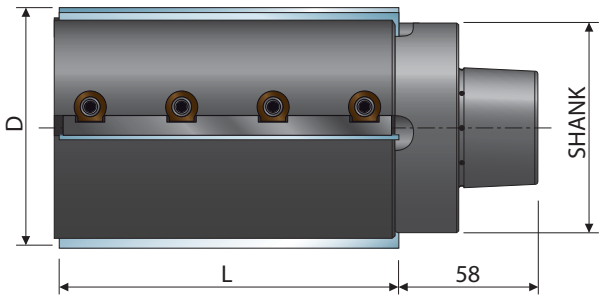
CODE CODE	D *mm*	ATTACCO SHANK	L *mm*	Z	COLT. KNIFE
PL05001	93	HSK 85 W	80	4	HSS
PL05002	93	HSK 85 W	100	4	HSS
PL05003	93	HSK 85 W	160	4	HSS
PL05004	93	HSK 85 W	180	4	HSS
PL05005	93	HSK 85 W	230	4	HSS
PL05006	93	HSK 85 W	80	4	HW
PL05007	93	HSK 85 W	100	4	HW
PL05008	93	HSK 85 W	160	4	HW
PL05009	93	HSK 85 W	180	4	HW
PL05010	93	HSK 85 W	230	4	HW



DISTINTA BASE / Bill of Materials											
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PL050**								
			01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**
Coltello HSS / Knife HSS	80 x 16 x 3	**CCL05**	4	/	/	/	/	/	/	/	/	/
Coltello HSS / Knife HSS	100 x 16 x 3	**CCL06**	/	4	/	/	/	/	/	/	/	/
Coltello HSS / Knife HSS	160 x 16 x 3	**CCL11**	/	/	4	/	/	/	/	/	/	/
Coltello HSS / Knife HSS	180 x 16 x 3	**CCL13**	/	/	/	4	/	/	/	/	/	/
Coltello HSS / Knife HSS	230 x 16 x 3	**CCL17**	/	/	/	/	4	/	/	/	/	/
Coltello HW / Knife HW	80 x 16 x 3	**CCL29**	/	/	/	/	/	4	/	/	/	/
Coltello HW / Knife HW	100 x 16 x 3	**CCL30**	/	/	/	/	/	/	4	/	/	/
Coltello HW / Knife HW	160 x 16 x 3	**CCL35**	/	/	/	/	/	/	/	4	/	/
Coltello HW / Knife HW	180 x 16 x 3	**CCL37**	/	/	/	/	/	/	/	/	4	/
Coltello HW / Knife HW	230 x 16 x 3	**CCL41**	/	/	/	/	/	/	/	/	/	4
Cuneo / Wedge	78 x 15 x 8	**CU049**	4	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	98 x 15 X 8	**CU050**	/	4	/	/	/	/	4	/	/	/
Cuneo / Wedge	158 x 15 X 8	**CU052**	/	/	4	/	/	/	/	4	/	/
Cuneo / Wedge	178 x 15 X 8	**CU053**	/	/	/	4	/	/	/	/	4	/
Cuneo / Wedge	228 x 15 X 8	**CU055**	/	/	/	/	4	/	/	/	/	4
Ogiva / Nut	Ø13 x 9	**OG001**	12	12	20	20	24	12	12	20	20	24
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	12	12	20	20	24	12	12	20	20	24
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	1	1	1	1	1	1	1	1	1	1

INDICARE NELL' ORDINE LA ROTAZIONE DELL' UTENSILE
Specify tool's rotation in the order
Drehung des Werkzeugs in der Bestellung angeben
Indique en el pedido la rotación de la herramienta





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TESTA PER PROFILO SAGOMATO CON COLTELLO ZIGRINATO S=8-10mm

Profiled cutterhead with corrugated knife S=8-10mm
Profilmesserkopf mit Rückverzahnte Messer S=8-10mm
Cabezal para perfilado con cuchilla estriada S=8-10mm

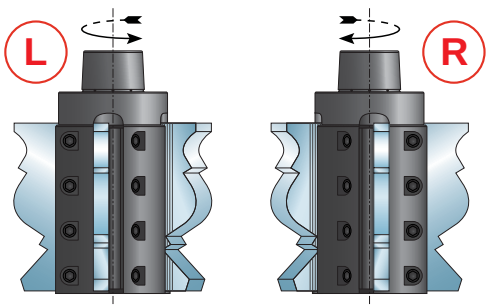
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

CODE CODE	**D** *mm*	**ATTACCO** SHANK	**L** *mm*	**Z**
PL06001	90	HSK 85 W	40	4
PL06002	90	HSK 85 W	60	4
PL06003	90	HSK 85 W	80	4
PL06004	90	HSK 85 W	100	4
PL06005	90	HSK 85 W	130	4
PL06006	90	HSK 85 W	150	4
PL06007	90	HSK 85 W	180	4
PL06008	90	HSK 85 W	200	4
PL06009	90	HSK 85 W	230	4
PL06010	90	HSK 85 W	310	4

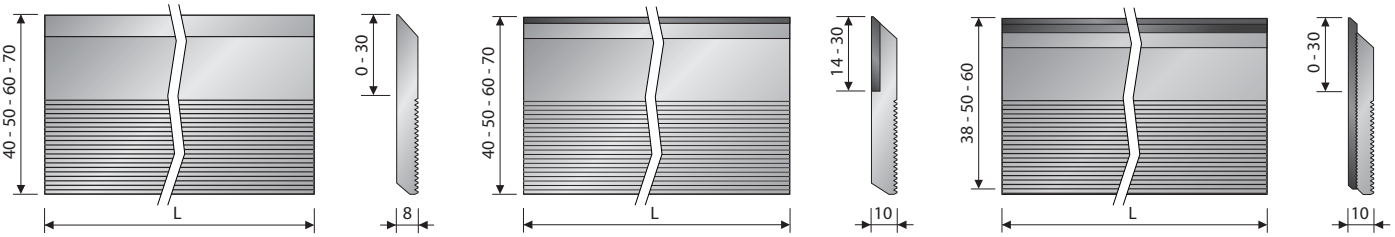
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE PL060**									
			01	**02**	**03**	**04**	**05**	**06**	**07**	**08**	**09**	**10**
Cuneo / Wedge	38 x 24 x 10	**CU132**	4	/	/	/	/	/	/	/	/	/
Cuneo / Wedge	58 x 24 x 10	**CU133**	/	4	/	/	/	/	/	/	/	/
Cuneo / Wedge	78 x 24 x 10	**CU134**	/	/	4	/	/	/	/	/	/	/
Cuneo / Wedge	98 x 24 x 10	**CU135**	/	/	/	4	/	/	/	/	/	/
Cuneo / Wedge	128 x 24 x 10	**CU136**	/	/	/	/	4	/	/	/	/	/
Cuneo / Wedge	148 x 24 x 10	**CU137**	/	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	178 x 24 x 10	**CU139**	/	/	/	/	/	/	4	/	/	/
Cuneo / Wedge	198 x 24 x 10	**CU140**	/	/	/	/	/	/	/	4	/	/
Cuneo / Wedge	228 x 24 x 10	**CU142**	/	/	/	/	/	/	/	/	4	/
Cuneo / Wedge	308 x 24 x 10	**CU143**	/	/	/	/	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M10 x 20	**VT022**	8	8	12	12	16	16	20	24	24	32
Chiave per Cuneo / Wedge's Key	Esagonale 5	**CH005**	1	1	1	1	1	1	1	1	1	1

INDICARE NELL' ORDINE LA ROTAZIONE DELL' UTENSILE
Specify tool's rotation in the order
Drehung des Werkzeugs in der Bestellung angeben
Indique en el pedido la rotación de la herramienta



COLTELLI ORDINABILI / Order Knives

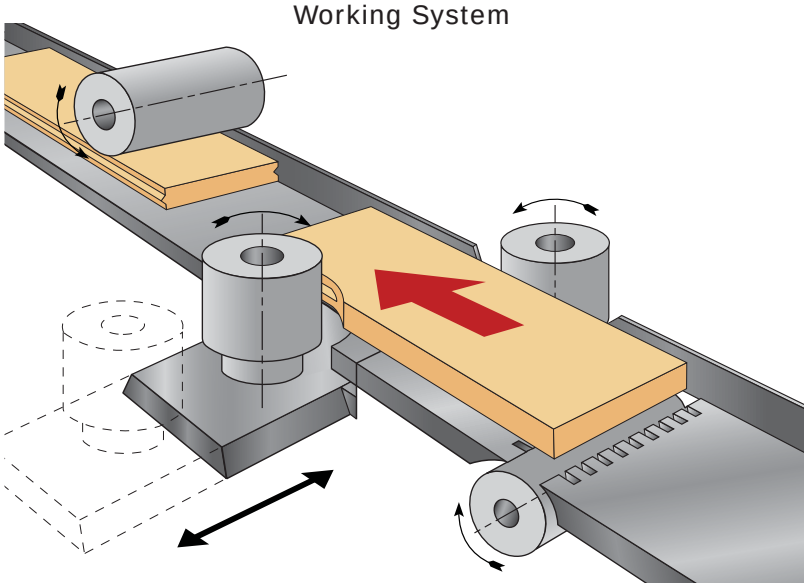


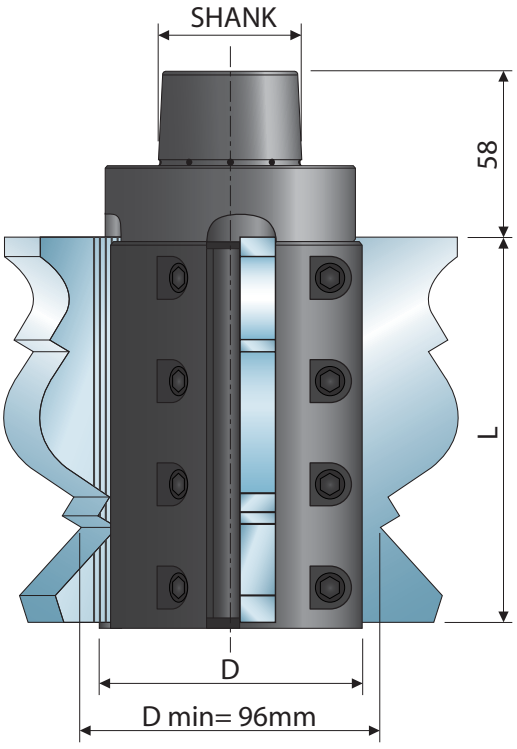
CR
Vedi pag. 393 / see page 393

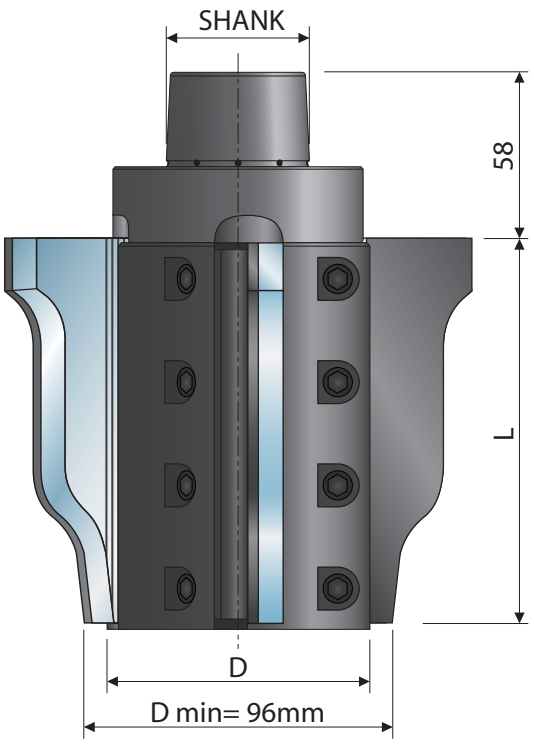
CRWR
Vedi pag. 394 / see page 394

Super Pack
Vedi pag. 395 / see page 395

SCHEMA DI LAVORAZIONE
Working System







FRESE GP

GP CUTTERHEADS
GP FRÄSER
FRESAS GP









MONTENERO
WOODWORKING·TOOLS

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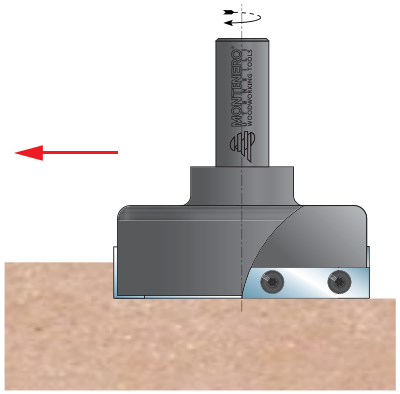
FRESA PER FORARE E SPIANARE

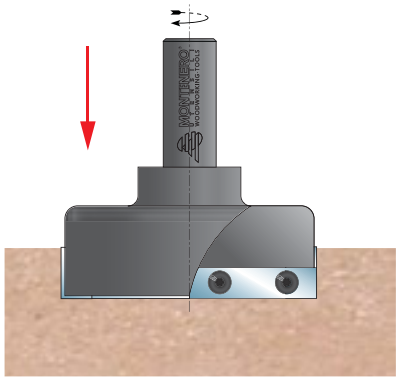
Cutter for drilling and planing
Fräser für bohren und spannen
Fresa para taladrar y allanar

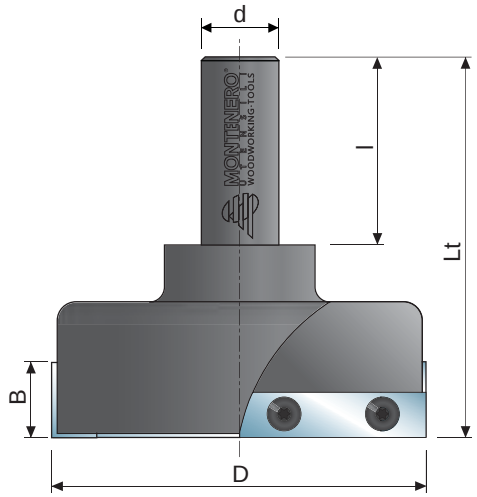
CODICE CODE	D *mm*	B *mm*	Lt *mm*	ATTACCO / SHANK		Z
				d *mm*	***l*** *mm*	
GP01001	80	30	100	20 / 25	50	2 + 2
GP01002	100	20	100	20 / 25	50	2 + 2

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP010**	
			01	**02**
Coltello / Knife	29,5 x 12 x 1,5	**CGZ407**	2	/
Coltello / Knife	39,5 x 12 x 1,5	**CGZ410**	2	/
Coltello / Knife	19,5 x 12 x 1,5	**CGZ404**	/	2
Coltello / Knife	49,5 x 12 x 1,5	**CGZ413**	/	2
Cuneo / Wedge	16 x15 x 8	**CU001**	/	2
Ogiva / Nut	Ø13 x 9	**OG001**	/	2
Vite per Ogiva / Nut's Screw	M8 x 22	**VT001**	/	2
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø9	**VT026**	8	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1
Chiave per Ogiva / Nut's Key	Esagonale 4	**CH004**	/	1

ESEMPI DI LAVORAZIONE
Working Example









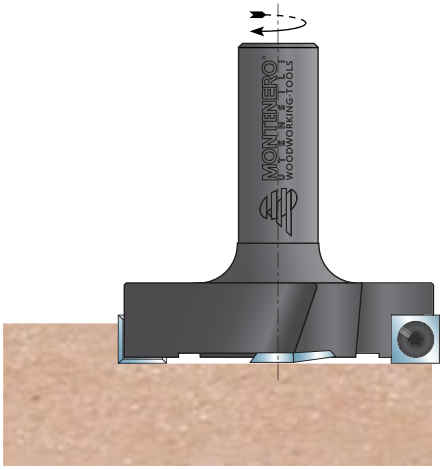
FRESA PER SPIANARE

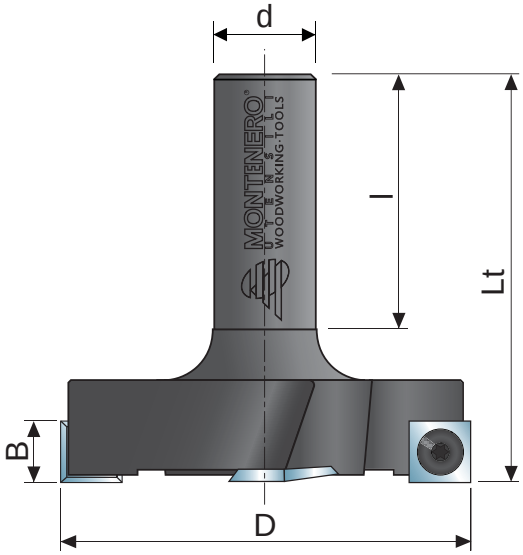
Cutter for planing
Spannfräser
Fresa para allanar

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
GP01501	80	12	80	20 / 25	50	2 + 2

DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP015** **01**
Coltello / Knife	12 x 12 x 1,5	**CGZ401**	2
Rasante / Spur	14 x 14 x 2	**RAS02**	2
Vite per Coltello / Knife's Screw	M4 x 8 Ø9	**VT013**	8
Vite per Rasante / Spur's Screw	M5 x 7 Ø8,8	**VT001**	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1

ESEMPI DI LAVORAZIONE
Working Example







FRESA PER FORARE E CONTORNARE

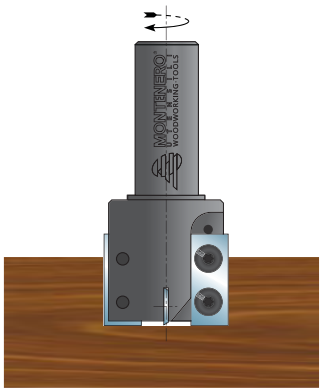
Cutter for drilling and sizing
Fräser für bohren und ausschneiden
Fresa para taladrar y contornear

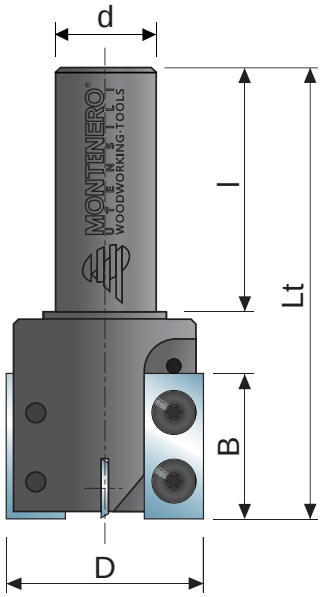
CODICE CODE	D *mm*	B *mm*	Lt *mm*	ATTACCO / SHANK *d mm*	*l mm*	Z
GP02001	30	40	100	20 / 25	50	2 + 1
GP02002	40	30	90	20 / 25	50	2 + 1
GP02003	40	50	110	20 / 25	50	2 + 1

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP020**		
			01	**02**	**03**
Coltello / Knife	12 x 12 x 1,5	**CGZ203**	1	/	/
Coltello / Knife	15 x 12 x 1,5	**CGZ205**	/	1	1
Coltello / Knife	39,5 x 12 x 1,5	**CGZ410**	2	/	/
Coltello / Knife	29,5 x 12 x 1,5	**CGZ407**	/	2	/
Coltello / Knife	49,5 x 12 x 1,5	**CGZ413**	/	/	2
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø9	**VT026**	4	4	4
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø7,5	**VT053**	1	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









FRESA PER FORARE E CONTORNARE

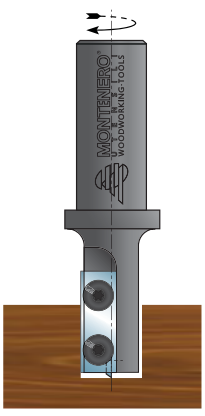
Cutter for drilling and sizing
Fräser für bohren und ausschneiden
Fresa para taladrar y contornear

I CORPI SONO DISPONIBILI ANCHE CON ATTACCO MK2 O MK3
Bodies are also available with MK2 or MK3 connection
Kürper sind auch mit Anschluss MK2 oder MK3 lieferbar
Cuerpos también están disponibles con enganche MK2 o MK3

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
GP03001	12	30	100	20 / 25	50	1	R
GP03002	16	30	100	20 / 25	50	1	R
GP03003	16	50	120	20 / 25	50	1	R
GP03004	18	30	100	20 / 25	50	1 + 1	R
GP03005	18	50	120	20 / 25	50	1 + 1	R
GP03006	20	30	100	20 / 25	50	1 + 1	R
GP03007	20	50	120	20 / 25	50	1 + 1	R
GP03008	12	30	100	20 / 25	50	1	L
GP03009	16	30	100	20 / 25	50	1	L
GP03010	16	50	120	20 / 25	50	1	L
GP03011	18	30	100	20 / 25	50	1 + 1	L
GP03012	18	50	120	20 / 25	50	1 + 1	L
GP03013	20	30	100	20 / 25	50	1 + 1	L
GP03014	20	50	120	20 / 25	50	1 + 1	L

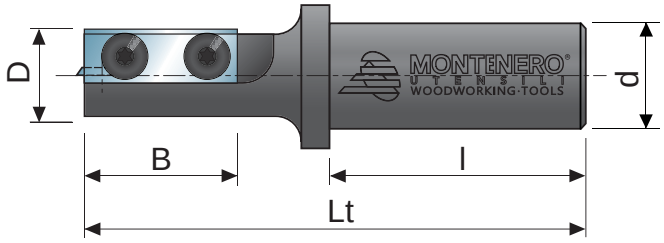
ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP030 01/08	02/09	03/10	04/11	05/12	06	07	13	14
Coltello / Knife	9,7 x 9,7 x 1,5	**CGGP03**	/	/	/	1	1	/	/	/	/
Coltello / Knife	9,7 x 10,6 x 1,5 DX	**CGGP04**	/	/	/	/	/	1	1	/	/
Coltello / Knife	9,7 x 10,6 x 1,5 SX	**CGGP05**	/	/	/	/	/	/	/	1	1
Coltello / Knife	29,5 x 9 x 1,5	**CGZ406**	1	1	/	/	/	/	/	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	/	1	/	1	/	1	/
Coltello / Knife	49,5 x 9 x 1,5	**CGZ412**	/	/	1	/	/	/	/	/	/
Coltello / Knife	50 x 12 x 1,5	**CGZ215**	/	/	/	/	1	/	1	/	1
Supporto / Support Plate	50 x 10 x 2,5	**SU023**	/	/	/	/	1	/	1	/	1
Vite per Coltello / Knife's Screw	M3,5 x 9 Ø6	**VT027**	/	2	2	1	3	1	3	1	3
Vite per Coltello / Knife's Screw	M3 x 4	**VT028**	2	/	/	/	/	/	/	/	/
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	/	/	/	2	/	2	/	2	/
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1	/	/	/	/	/	/	/	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	/	1	1	1	1	1	1	1	1



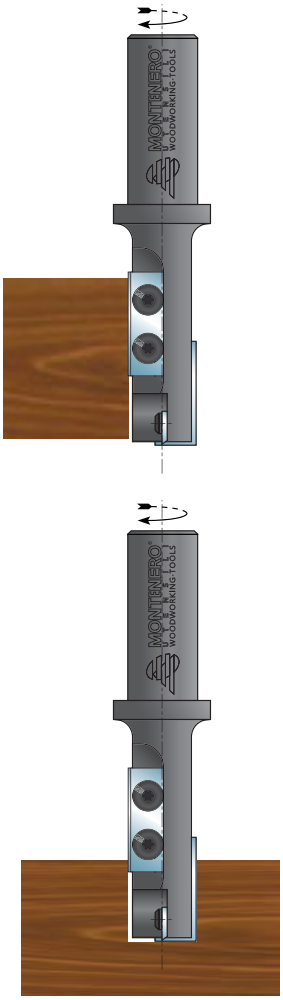


FRESA PER FORARE E CONTORNARE

Cutter for drilling and sizing
Fräser für bohren und ausschneiden
Fresa para taladrar y contornear

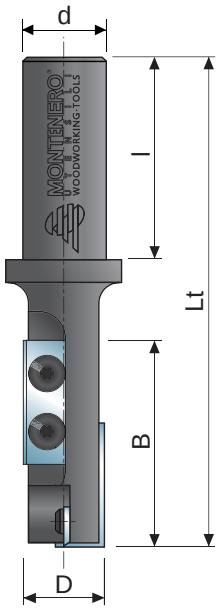
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
GP04001	18	35	105	20 / 25	50	2 + 1
GP04002	20	35	105	20 / 25	50	2 + 1
GP04003	20	50	120	20 / 25	50	2 + 1
GP04004	20	58	125	20 / 25	50	2 + 1
GP04005	18	35	145 / 155	MK2 - MK3		2 + 1
GP04006	20	35	145 / 155	MK2 - MK3		2 + 1
GP04007	20	50	160 / 170	MK2 - MK3		2 + 1
GP04008	20	58	165 / 175	MK2 - MK3		2 + 1

ESEMPI DI LAVORAZIONE
Working Example



DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP040 01/05	02/06	03/07	04/08
Coltello / Knife	9,7 x 9,7 x 1,5	**CGGP03**	1	/	/	/
Coltello / Knife	9,7 x 10,6 x 1,5 DX	**CGGP04**	/	1	1	1
Coltello / Knife	20 x 12 x 1,5	**CGZ207**	2	2	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	2	2
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	2	2	4	4
Vite per Coltello / Knife's Screw	M3,5 x 6,5 Ø6	**VT047**	1	1	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1





FRESA PER CONTORNARE Z2

Cutter for drilling and sizing Z2
Fräser für bohren und ausschneiden Z2
Fresa para taladrar y contornear Z2

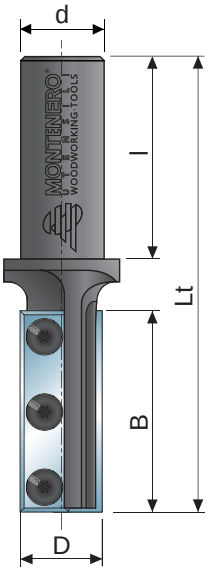
CODICE CODE	D mm	B mm	Lt mm	ATTACCO d mm	ATTACCO l mm	Z	ROTAZ. ROTAT.
GP05001	20	30	95	20 / 25	50	2	R
GP05002	20	30	95	20 / 25	50	2	L
GP05003	20	50	115	20 / 25	50	2	R
GP05004	20	50	115	20 / 25	50	2	L
GP05005	25	50	115	20 / 25	50	2	R
GP05006	25	50	115	20 / 25	50	2	L

ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP050**		
			01/02	**03/04**	**05/06**
Coltello / Knife	29,5 x 12 x 1,5	**CGZ407**	2	/	/
Coltello / Knife	50 x 12 x 1,7	**CGZ416**	/	2	2
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	4	6	6
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1





FRESA PER FORARE E CONTORNARE CON ANGOLO ASSIALE ALTERNO

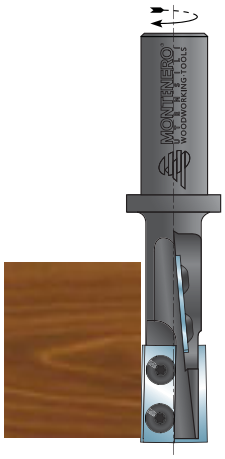
Cutter for drilling and sizing with alternate axial angle
Fräser für bohren und ausschneiden mit wechselnde Achswinkel
Fresa para taladrar y contornear con ángulos axiales alternados

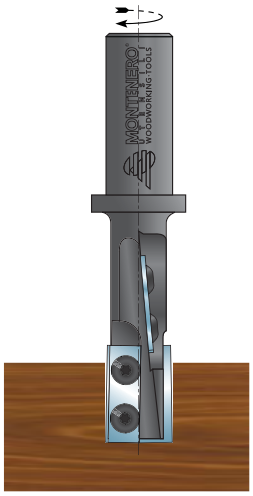
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
GP06001	20	35	100	20 / 25	50	2 + 2	R
GP06002	20	55	120	20 / 25	50	2 + 2	R
GP06003	20	35	100	20 / 25	50	2 + 2	L
GP06004	20	55	120	20 / 25	50	2 + 2	L

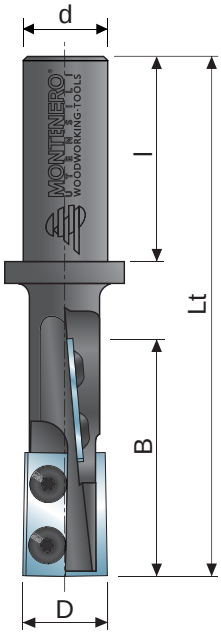
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP060 01	02	03	04
Coltello / Knife	19,5 x 12 x 1,5	**CGZ404**	4	/	4	/
Coltello / Knife	29,5 x 12 x 1,5	**CGZ407**	/	4	/	4
Vite per Coltello / Knife's Screw	M3,5 x 6,2 Ø9	**VT029**	4	8	4	8
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









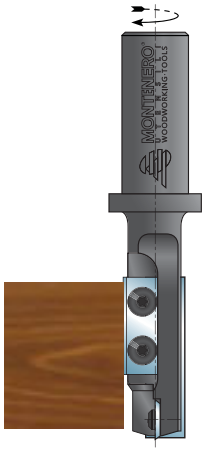
FRESA PER FORARE E CONTORNARE

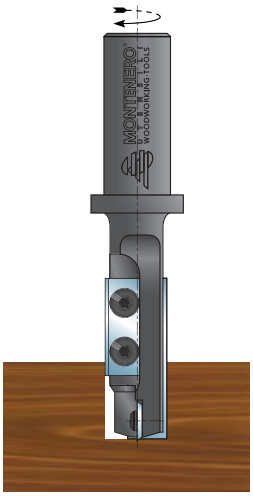
Cutter for drilling and sizing
Fräser für bohren und ausschneiden
Fresa para taladrar y contornear

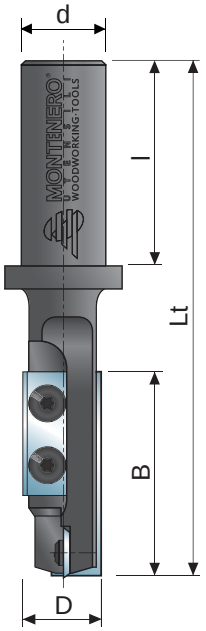
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
GP07001	20	50	125	20 / 25	50	2 + 1	R
GP07002	20	50	125	20 / 25	50	2 + 1	L

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP070** 01	**CODICE GP070** 02
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	1	1
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	1	1
Coltello / Knife	50 x 12 x 1,7	**CGZ416**	1	1
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	5	5
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø6	**VT027**	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1

ESEMPI DI LAVORAZIONE
Working Example









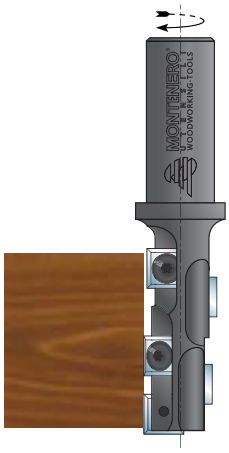
FRESA PER FORARE E CONTORNARE - BASSA FINITURA

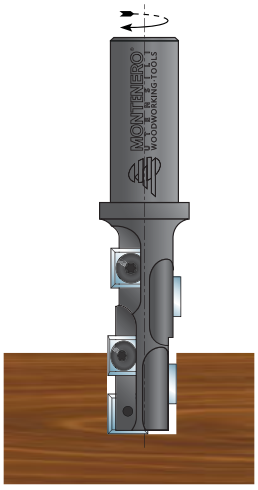
Cutter for drilling and sizing - Low finishing
Fräser für bohren und ausschneiden - Niedrige Feinbearbeitung
Fresa para taladrar y contornear - Acabado bajo

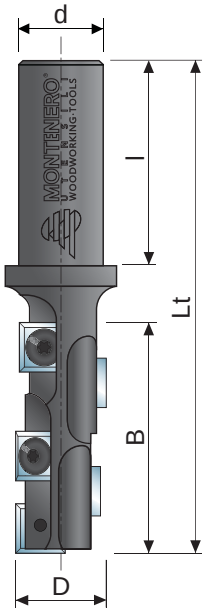
CODICE CODE	D *mm*	B *mm*	Lt *mm*	ATTACCO / SHANK		Z
				d *mm*	***l*** *mm*	
GP08001	22	56	115	20 / 25	50	6 + 1
GP08002	26	56	115	20 / 25	50	6 + 1

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP080**	
			01	**02**
Coltello / Knife	12 x 12 x 1,5	**CGZ203**	6	6
Coltello / Knife	7,5 x 12 x 1,5	**CGZ201**	1	1
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	6	6
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø6	**VT027**	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1

ESEMPI DI LAVORAZIONE
Working Example









FRESA PER CONTORNARE E SPIANARE - GRANDI ASPORTAZIONI

Cutter for sizing and planing - Big removal
Fräser für ausschneiden und spannen - Große Materialabtrag
Fresa para contornar y allanar - Grande extirpación

GLI ATTACCHI PER I CORPI IN LEGA LEGGERA SONO DA ORDINARE A PARTE
The toolholders for the bodies in light alloy must be ordered separately
Die Aufnahmen für die Körper aus Leichtmetall sind separat zu bestellen
Las portaherramientas para cuerpos en aleación ligera son a pedir a parte

Vedi pag. 407 - see page 407 - siehe Serte 407 - véase página 407

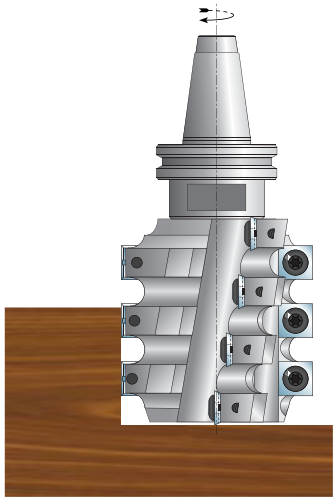
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	Lt *mm*	ATTACCO / SHANK *d mm*	ATTACCO / SHANK *l mm*	Z
GP09001	ACCIAIO	50	62	121	20	50	2 + 2
GP09002	ACCIAIO	50	74	133	20	50	2 + 2
GP09003	ACCIAIO	50	86	145	20	50	2 + 2
GP09004	LEGA LEGG.*	80	62	/	25	/	2 + 2
GP09005	LEGA LEGG.*	80	74	/	25	/	2 + 2
GP09006	LEGA LEGG.*	80	86	/	25	/	2 + 2

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GP090 01	02	03	04	05	06
Coltello / Knife	14,3 x 14,3 x 2,8	**CRC01**	10	14	18	10	14	18
Vite per Coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	10	14	18	10	14	18
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1

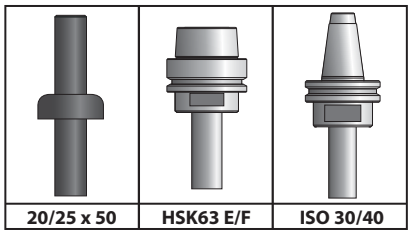
ESEMPI DI LAVORAZIONE
Working Example

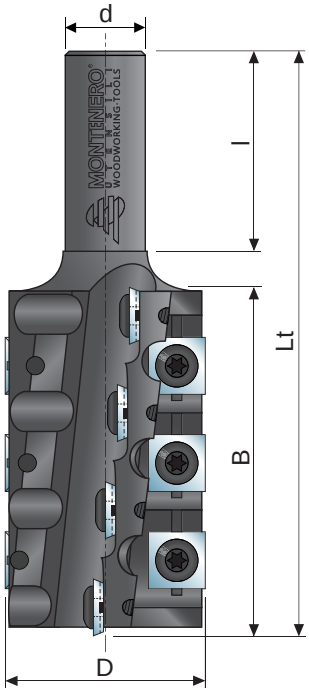


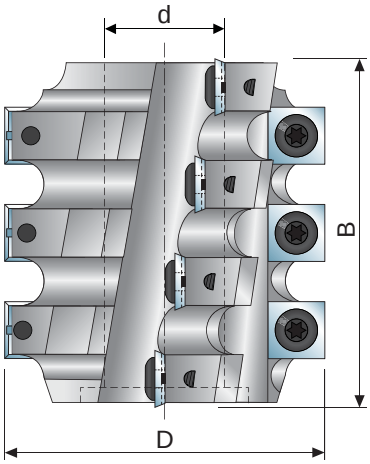


* **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

ATTACCO PER CODICE GP090
Shank for code GP090







MONTENERO WOODWORKING·TOOLS



FRESA PER CONTORNARE E SPIANARE - BUONA FINITURA

Cutter for sizing and planing - Good finishing
Fräser für ausschneiden und spannen - Gute Feinbearbeitung
Fresa para contornar y allanar - Buen acabado

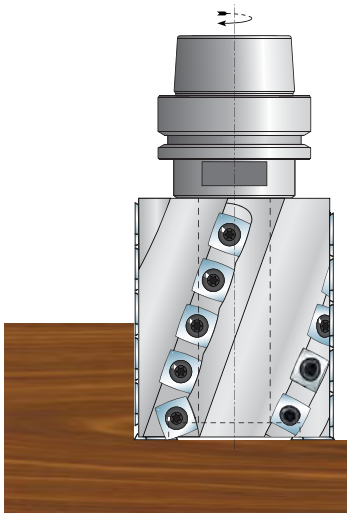
GLI ATTACCHI PER I CORPI IN LEGA LEGGERA SONO DA ORDINARE A PARTE
The toolholders for the bodies in light alloy must be ordered separately
Die Aufnahmen für die Körper aus Leichtmetall sind separat zu bestellen
Las portaherramientas para cuerpos en aleación ligera son a pedir a parte

Vedi pag. 407 - see page 407 - siehe Serte 407 - véase página 407

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	Lt *mm*	ATTACCO / SHANK *d* mm	ATTACCO / SHANK *l* mm	Z	R
GP10001	ACCIAO	50	60	122	20 / 25	50	2 + 2	2
GP10002	ACCIAO	50	80	141	20 / 25	50	2 + 2	2
GP10003	ACCIAO	50	110	170	20 / 25	50	2 + 2	2
GP10004	LEGA LEGG.*	60	60	/	20	/	2 + 2	2
GP10005	LEGA LEGG.*	60	80	/	20	/	2 + 2	2
GP10006	LEGA LEGG.*	80	80	/	30	/	2 + 2	2
GP10007	LEGA LEGG.*	80	100	/	30	/	2 + 2	2

ESEMPI DI LAVORAZIONE
Working Example



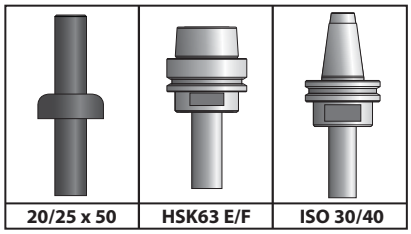


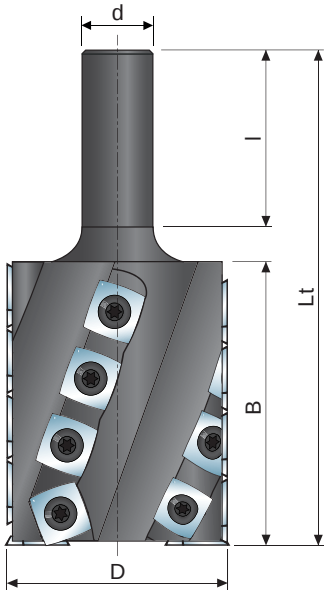
DISTINTA BASE / Bill of Materials

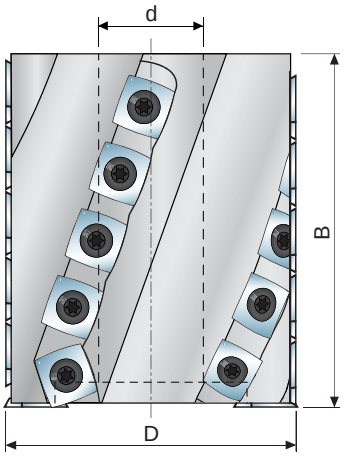
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE GP100 01	02	03	04	05	06	07
Coltello / Knife	15 x 15 x 2,5	**CRB02**	12	16	24	12	16	16	20
Rasante / Spur	14 x 14 x 2	**RAS02**	2	2	2	2	2	2	2
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø9	**VT051**	12	16	24	12	16	16	20
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	2	2	2	2	2	2	2
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1	1	1	1	1

∗ **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

ATTACCO PER CODICE GP100
Shank for code GP100









FRESA PER FOLDING

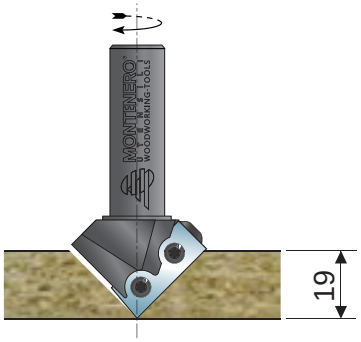
Router bit for Folding
Foldingfräser
Brocas para Folding

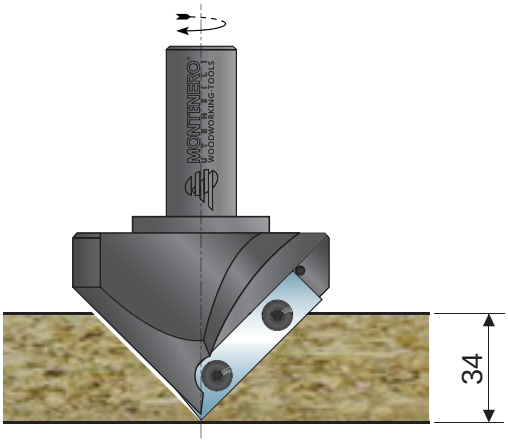
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
GP11001	38	19	80	16	50	1	R
GP11002	38	19	80	16	50	1	L
GP11003	65	34	110	20	50	1	R
GP11004	65	34	110	20	50	1	L

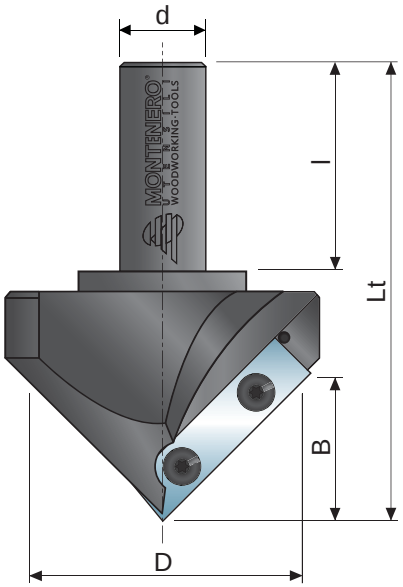
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP110 01	02	03	04
Coltello / Knife	29 x 12 x 1,5	**CG4501**	1	/	/	/
Coltello / Knife	29 x 12 x 1,5	**CG4502**	/	1	/	/
Coltello / Knife	49 x 12 x 1,5	**CG4503**	/	/	1	/
Coltello / Knife	49 x 12 x 1,5	**CG4504**	/	/	/	1
Vite per Coltello / Knife's Screw	M3,5 x 6,5 Ø6	**VT047**	2	2	/	/
Vite per Coltello / Knife's Screw	M3,5 x 6,2 Ø9	**VT029**	/	/	2	2
Vite di riferimento / Positioning Screw	M3,5 x 6,2 Ø9	**VT029**	1	1	/	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









FRESA REGOLABILE DA +45° A -90°

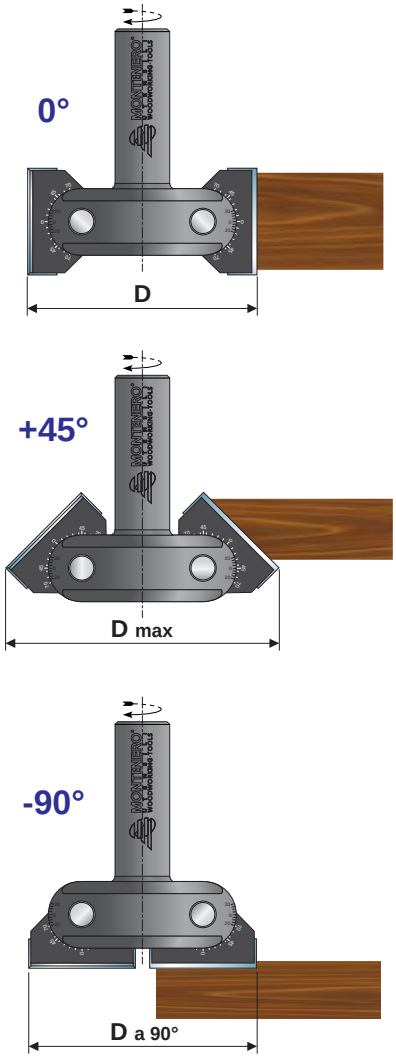
Adjustable chamfering cutter, +45°/ -90°
Schwenkmesserkopf, verstellbar vom 45° zum 90°
Fresa con inclinatión regulable +45°/ -90°

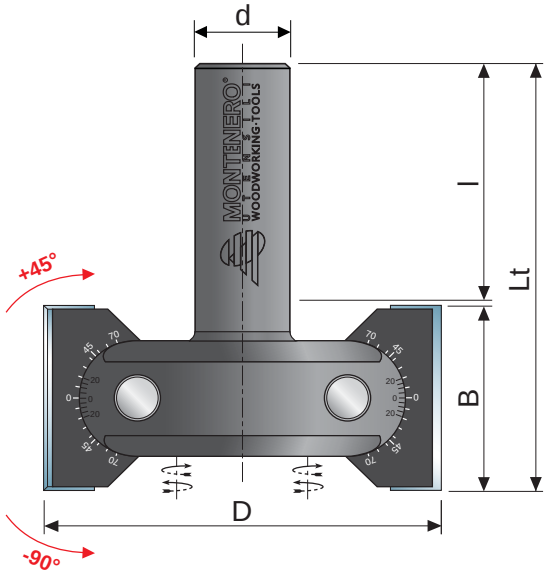
CODICE CODE	D *mm*	B *mm*	D Max *mm*	D a 90° *mm*	Lt *mm*	ATTACCO / SHANK *d mm*	*l mm*	Z
GP12001	85	40	102	88	93	20	50	2
GP12002	85	40	102	88	93	25	50	2

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP120** 01	02
Coltello / Knife	40 x 12 x 1,5	**CGZ213**	2	2
Cuneo / Wedge	38 x 12 x 6	**CU078**	2	2
Vite per Cuneo / Wedge's Screw	M6 x 8	**VT054**	4	4
Chiave per Coltelli / Knife's Key	Esagonale 3	**CH003**	1	1
Chiave di Regolaz. / Adjustment Key	Esagonale 4	**CH004**	1	1

ESEMPI DI LAVORAZIONE
Working Example







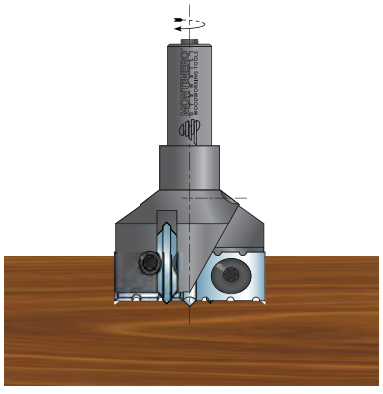
FRESA PER CERNIERE

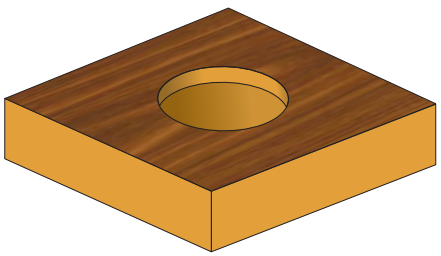
Cylinder boring bit
Zylinderkopfbohrer
Fresa bisagra

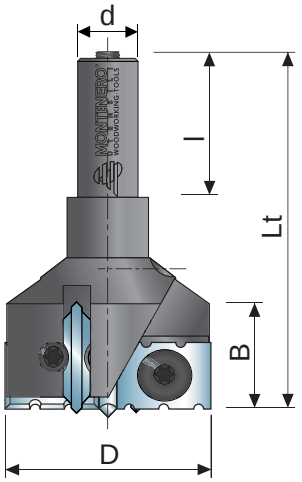
CODICE CODE	D mm	B mm	Lt mm	ATTACCO		Z	R
				d mm	l mm		
GP13001	25	18	57	10	25	2	2
GP13002	26	18	57	10	25	2	2
GP13003	30	18	57	10	25	2	2
GP13004	35	18	57	10	25	2	2
GP13005	40	18	57	10	25	2	2

DISTINTA BASE / Bill of Materials							
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE GP130**				
			01	**02**	**03**	**04**	**05**
Coltello / Knife	10,5 x 12 x 1,5	**CPC01**	2	/	/	/	/
Coltello / Knife	11 x 12 x 1,5	**CPC03**	/	2	/	/	/
Coltello / Knife	13 x 12 x 1,5	**CPC05**	/	/	2	/	/
Coltello / Knife	15,5 x 12 x 1,5	**CPC07**	/	/	/	2	/
Coltello / Knife	18 x 12 x 1,5	**CPC09**	/	/	/	/	2
Centrino / Centering Drill	Ø3 x 33,5	**CNTR01**	1	1	1	1	1
Rasante / Spur	18 x 5,7 x 3,5	**IRAS02**	2	2	2	2	2
Vite per Coltello / Knife's Screw	M3,5 x 6,2 Ø9	**VT029**	2	2	2	2	2
Vite per Coltello / Knife's Screw	M4 x 8,3 Ø5,7	**VT036**	2	2	2	2	2
Vite per Coltello / Knife's Screw	M4 x 5	**VT055**	1	1	1	1	1
Vite di Regolazione / Adjustment Screw	M5 x 10	**VT038**	1	1	1	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1	1
Chiave per Centrino / Centering Drill's Key	Esagonale 2	**CH002**	1	1	1	1	1
Chiave per vite di Reg. / Adjustment Screw's Key	Esagonale 2,5	**CH025**	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO WOODWORKING·TOOLS



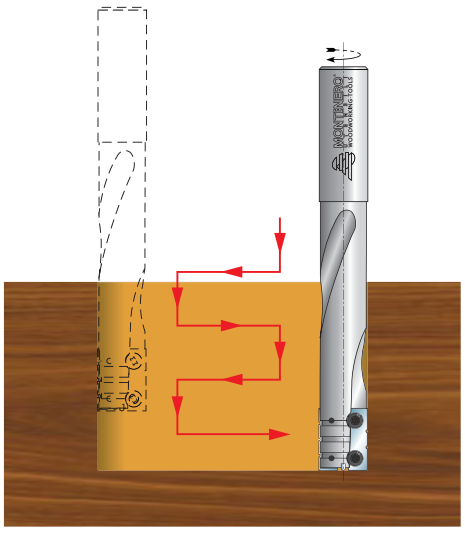
FRESA IN ACCIAIO ANTIVIBRANTE PER SERRATURE

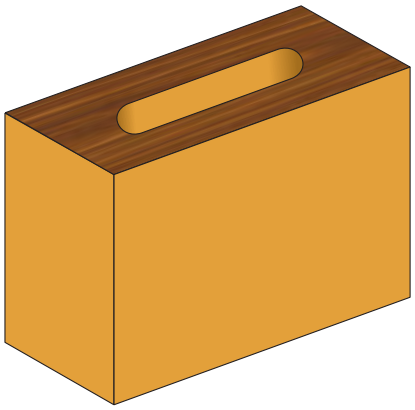
Heavy-steel cutters for lock-set
Schlöskastenfräser in Antivibrationsstahl
Fresa en acero antivibrante para cerraduras

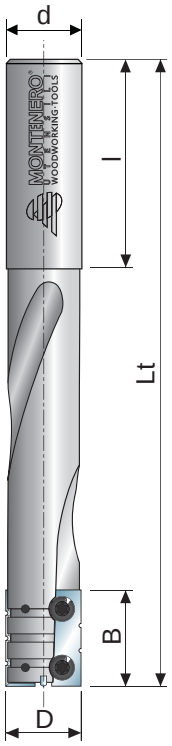
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
GP14001	**DENSIMET**	14	23	150	14	50	2
GP14002	**DENSIMET**	16	23	150	16	50	2

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP140** 01	**CODICE GP140** 02
Coltello / Knife	23 x 6 x 1,5	**CMT03**	1	/
Coltello / Knife	23 x 6 x 1,5	**CMT04**	1	/
Coltello / Knife	23 x 7 x 1,5	**CMT05**	/	1
Coltello / Knife	23 x 7 x 1,5	**CMT06**	/	1
Vite per Coltello / Knife's Screw	M3 x 5,8 Ø5,4	**VT028**	4	4
Chiave per Coltello / Knife's Key	Torx 9	**TK009**	1	1

ESEMPI DI LAVORAZIONE
Working Example









FRESA PER CANALI CON SMUSSO

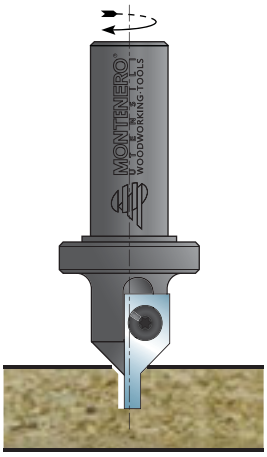
Cutter for cnc for milling and beveling
Fräserkopf zum nuten und fasen
Fresa para CNC para fresar y achanflanar

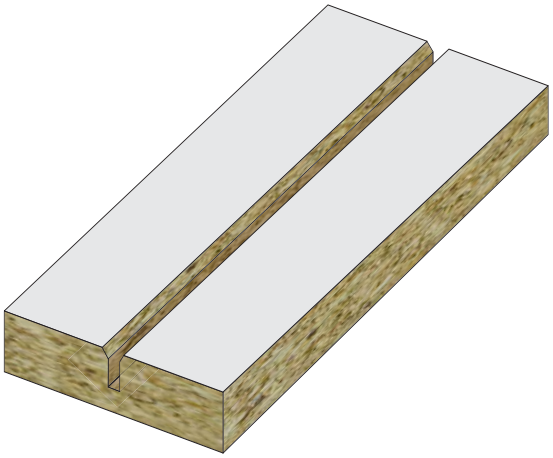
CODICE CODE	D mm	B mm	Lt mm	ATTACCO		Z
				d mm	l mm	
GP15001	4	17,5	95,5	20 / 25	50	1
GP15002	5	17	95	20 / 25	50	1
GP15003	6	16,5	94,5	20 / 25	50	1
GP15004	7	16	94	20 / 25	50	1
GP15005	8	15,5	93,5	20 / 25	50	1
GP15006	9	15	93	20 / 25	50	1

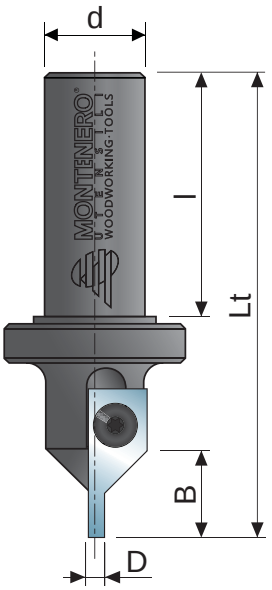
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP150					
			01	02	03	04	05	06
Coltelli PR4 / Knife PR4	40 x 12 x 1,5	**CGP01**	1	/	/	/	/	/
Coltelli PR5 / Knife PR5	40 x 12 x 1,5	**CGP02**	/	1	/	/	/	/
Coltelli PR6 / Knife PR6	40 x 12 x 1,5	**CGP03**	/	/	1	/	/	/
Coltelli PR7 / Knife PR7	40 x 12 x 1,5	**CGP04**	/	/	/	1	/	/
Coltelli PR8 / Knife PR8	40 x 12 x 1,5	**CGP05**	/	/	/	/	1	/
Coltelli PR9 / Knife PR9	40 x 12 x 1,5	**CGP06**	/	/	/	/	/	1
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	1	1	1	1	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example









FRESA MULTIPROFILO

Multi-profile cutter
Multiprofiltfräser
Fresa multiperfil

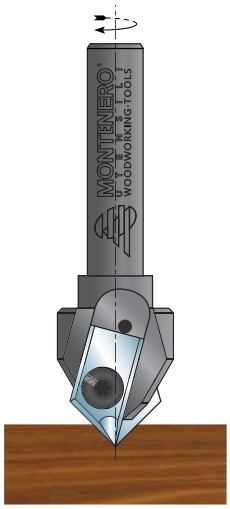
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.	KIT
GP16001	19	10	88	12	50	2	R	
GP16002	19	10	88	12	50	2	L	
GP16003	19	10	88	12	50	2	R	*
GP16004	19	10	88	12	50	2	L	*

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP160 01	02	03	04
Coltello / Knife	25 x 12 x 1,5 90°	**CGP07**	/	/	2	2
Coltello Conc. / Concave Knife	25 x 12 x 1,5 r3	**CGP08**	/	/	2	2
Coltello Conc. / Concave Knife	25 x 12 x 1,5 r5	**CGP09**	/	/	2	2
Coltello Conv. / Convex Knife	25 x 12 x 1,5 r4	**CGP10**	/	/	2	2
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	2	2	3	3
Chiave per Coltello / Knife's Key	Torx15	**TK015**	1	1	1	1
Scatola di legno / Wood box	180 x 130 x 55	**BOX01**	/	/	1	1

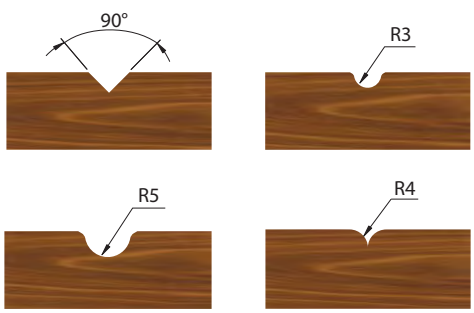
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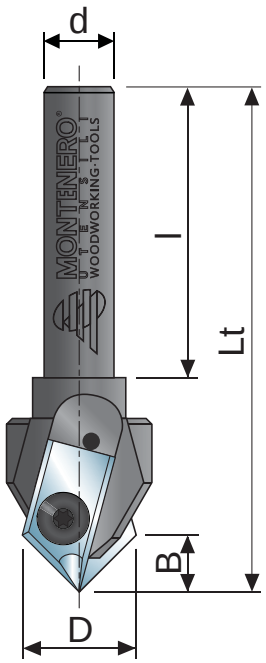
ESEMPI DI LAVORAZIONE
Working Example



DOTAZIONE DEL KIT
PROVIDED KIT









FRESA MULTIPROFILO

Multi-profile cutter
Multiprofiltfräser
Fresa multiperfil

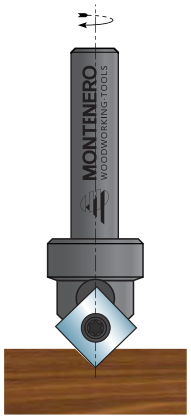
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.	KIT
GP16501	17,1	8,5	67	10	40	1	R	
GP16502	17,1	8,5	67	10	40	1	L	
GP16503	17,1	8,5	67	10	40	1	R	*
GP16504	17,1	8,5	67	10	40	1	L	*

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GP165 01	02	03	04
Coltello / Knife	12 x 12 x 1,5 92°	**CGP15**	/	/	1	1
Coltello / Knife	12 x 12 x 1,5 70°	**CGP16**	/	/	1	1
Coltello / Knife	12 x 12 x 1,5 60°	**CGP17**	/	/	1	1
Coltello / Knife	12 x 12 x 1,5 PR1	**CGP18**	/	/	1	1
Coltello / Knife	12 x 12 x 1,5 PR2	**CGP19**	/	/	1	1
Coltello / Knife	12 x 12 x 1,5 PR3	**CGP20**	/	/	1	1
Vite per Coltello / Knife's Screw	M3,5 x 5,5 Ø6	**VT047**	1	1	2	2
Chiave per Coltello / Knife's Key	Torx15	**TK015**	1	1	1	1
Scatola di legno / Wood box	180 x 130 x 55	**BOX01**	/	/	1	1

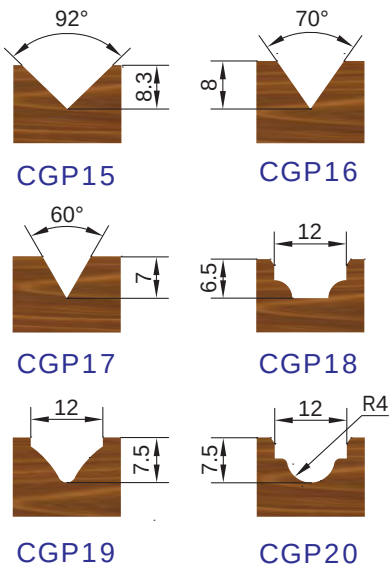
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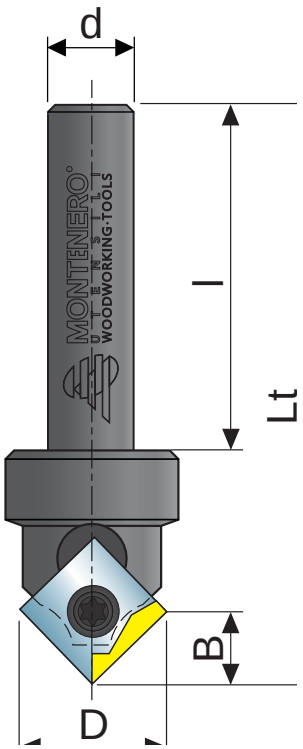
ESEMPI DI LAVORAZIONE
Working Example



DOTAZIONE DEL KIT
PROVIDED KIT









FRESA PER INCISIONI MULTIPROFILO

Multi-profile engraving cutter
Multiprofilschnittfräser
Fresa para incisiones multiperfil

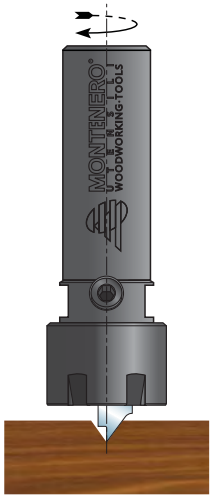
I COLTELLI NON SONO INCLUSI NELLA TESTA
Knives are not included with the heads
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

CODICE CODE	D *mm*	B *mm*	Lt *mm*	ATTACCO *d* mm	ATTACCO *l* mm	Z	ROTAZ. ROTAT.
GP17001	12	8	94	20 / 25	50	1	R
GP17002	12	8	94	20 / 25	50	1	L

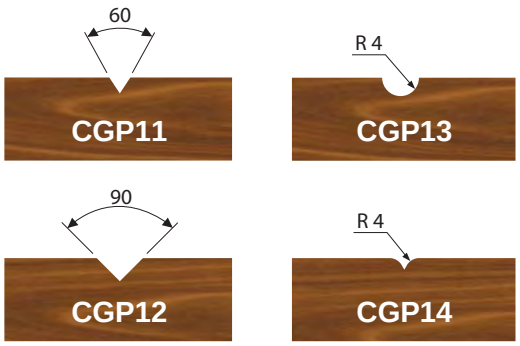
DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE GP170**	
			01	**02**
Cuneo / Wedge	28,5 x 8 x 6,5	**CU079**	1	1
Ghiera / Loking Ring	Ø28 x 20	**GH005**	1	1
Vite per cuneo / Wedge's Screw	M4 x 16	**VT030**	1	1
Chiave per Coltello / Knife's Key	Esagonale 3	**CH003**	1	1
Chiave per Giera / Loking Ring's Key	ER-20	**CHER20**	1	1

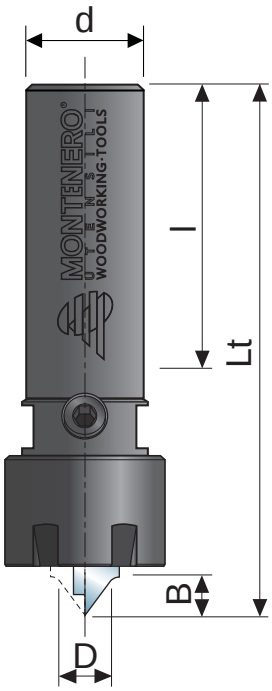
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ESEMPI DI LAVORAZIONE
Working Example



Coltello / Knife :
8 x 15 x 3

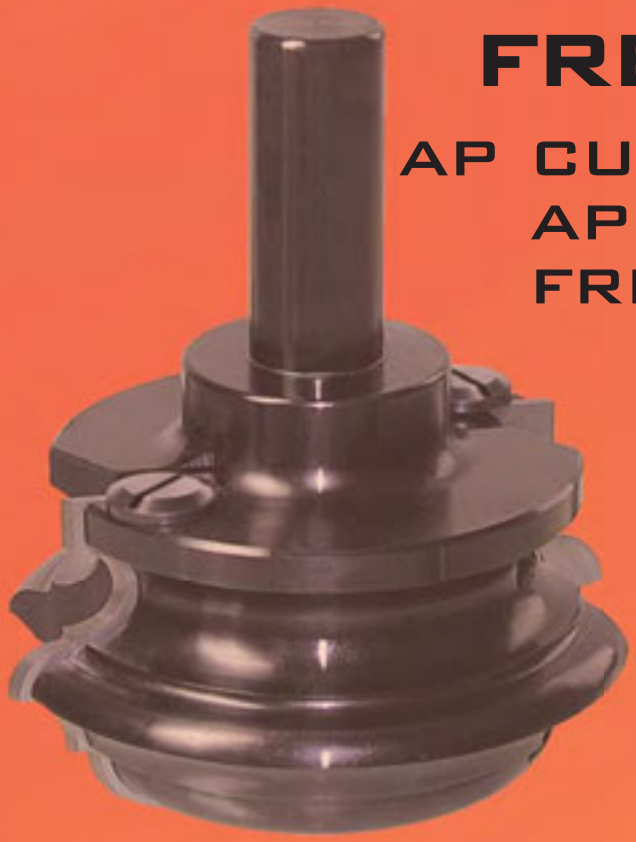




NOTE

FRESE AP

AP CUTTERHEADS
AP FRÄSER
FRESAS AP








MONTENERO
WOODWORKING·TOOLS

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Fresa per quarto di tondo	AP 015	**298**
Cutter for quarter-round • Viertelkreisfräser Fresa para cuarto de redondos		
Fresa per giunzioni	AP 020	**299**
Cutter for Joints • Fügefräser Cabezal para juntas		
Fresa multiprofilo per stondare e smussare	AP 030	**300**
Adjustable multi-profile cutter for rounding and chamfering • Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser Fresa multiperfil regulable para redondear o biselar		
Fresa multiprofilo per stondare e smussare regolabile Ø min=20 mm	AP 035	**302**
Adjustable multi-profile cutter for rounding and chamfering Ø min 20mm • Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser Ø min 20mm Fresa multiperfil regulable para redondear o biselar Ø min 20mm		
Fresa multiprofilo per stondare e smussare regolabile Ø min=80 mm	AP 040	**304**
Adjustable multi-profile cutter for rounding and chamfering Ø min 80mm • Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser Ø min 80mm Fresa multiperfil regulable para redondear o biselar Ø min 80mm		
Frese per porte - Profilo e controprofilo	AP 050	**306**
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Frese per antine - Profilo e controprofilo	AP 060	**308**
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Piattabanda multiprofilo Z3	AP 070	**310**
Multi-profile platband Z3 • Multiprofiladplattfräser Z3 Platabanda multiperfil Z3		
Piattabanda multiprofilo Z2	AP 080	**312**
Multi-profile platband Z2 • Multiprofiladplattfräser Z2 Platabanda multiperfil Z2		
Sottopunta opzionale per AP080	AP 081	**313**
Additional insert for center can be mounted AP080 • Insert für Spitze montierbar auf AP080 Inserto adicional por broca montable en AP080		
Piattabanda multiprofilo per sagome interne	AP 090	**314**
Multi-profile platband for internal profiles • Multiprofiladplattfräser für Innenprofile Platabanda multiperfil para perfiles interiores		
Fresa multiprofilo per sagome interne o esterne di antine	AP 100	**315**
Multi-profile cutter for internal and external profiles for cabine • Multiprofilfräser für Türinnenseite und Türaußenseite Fresa multiperfil para perfiles interiore y exteriore para puerta		
Fresa multiprofilo per sagome esterne di antine	AP 110	**316**
Multi-profile cutter for external profiles for cabine • Multiprofilfräser für Türaußenseite Fresa multiperfil para perfiles exteriore para puerta		
Fresa multiprofilo per sagome interne - Coltello bifacciale	AP 120	**318**
Multi-profile cutter for internal profiles - Double-sided knife • Multiprofilfräser für Innenprofile - Beidseitiges Messer Fresa multiperfil para perfiles interiores - Cuchilla bilateral		
Fresa multiprofilo per sagome interne - Coltello FIX	AP 130	**320**
Multi-profile cutter for internal profiles - Knife FIX • Multiprofilfräser für Innenprofile - Messer FIX Fresa multiperfil para perfiles interiores - Cuchilla FIX		
Fresa profilata per sagome interne	AP 140	**321**
Profiled cutter for internal profiles • Profilfräser für Innenprofile Fresa perfilada para perfiles interiores		
Fresa multiprofilo con controplacche	AP 150	**322**
Multi-profile cutter with counter plates • Multiprofilfräser mit Stütze Fresa multiperfil con soporte		
Fresa multiprofilo per cornici	AP 160	**324**
Multi-profile cutter for frames • Multiprofilfräser für Rahmen Fresa multiperfil por marcos		
Fresa sagomata con profilo da 0 a 10 mm	AP 170	**325**
Profiled cutter, from 0 to 10 mm • Profilfräser, vom 0 bis 10 mm Fresa multiperfil de 0 a 10 mm		
Fresa sagomata con profilo da 10 a 20 mm	AP 180	**326**
Profiled cutter, from 10 to 20 mm • Profilfräser, vom 10 bis 20 mm Fresa multiperfil de 10 a 20 mm		



FRESA PER MEZZITONDI

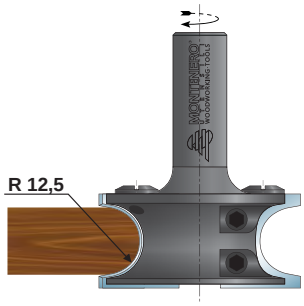
Cutter for half-round
Halbkreisfräser
Fresa para medio de redondos

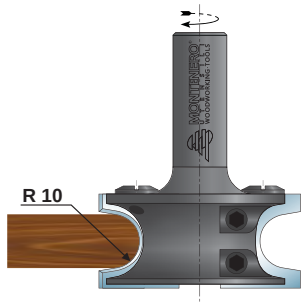
CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	KIT
AP01001	75	45	35	95	20 / 25	50	2	
AP01002	75	45	35	95	20 / 25	50	2	*

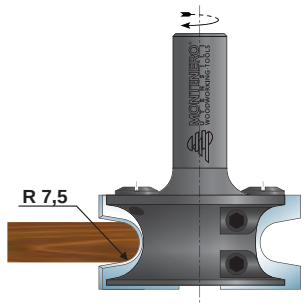
DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP010** 01	02
Coltello / Knife	35 x 30 x 3 R12,5	**CSAP001**	/	2
Coltello / Knife	35 x 30 x 3 R10	**CSAP002**	/	2
Coltello / Knife	35 x 30 x 3 R7,5	**CSAP003**	/	2
Cuneo / Wedge	32 x 20 x 8	**CU099**	2	2
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT026**	4	4
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1

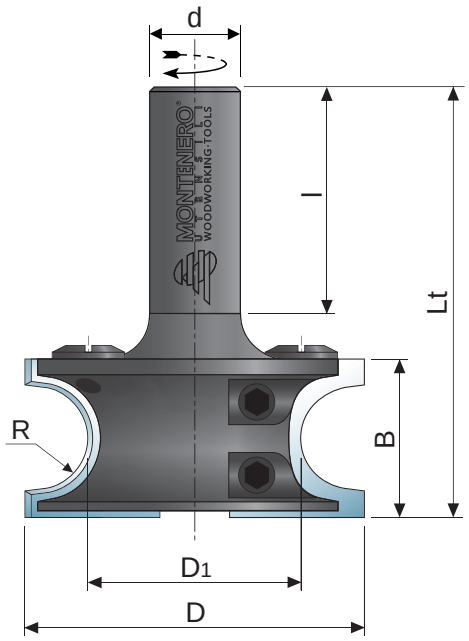
A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

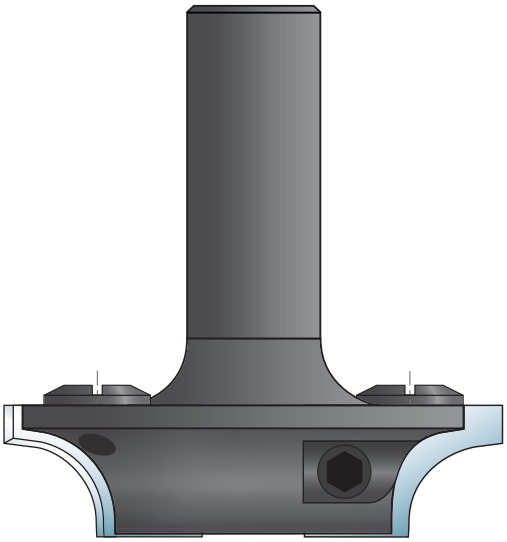
ESEMPI DI LAVORAZIONE
Working Example











FRESA PER QUARTO DI TONDO

Cutter for quarter-round
Viertelkreisfräser
Fresa para cuarto de redondos

CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	KIT
AP01501	75	45	20	80	20 / 25	50	2	
AP01502	75	45	20	80	20 / 25	50	2	*

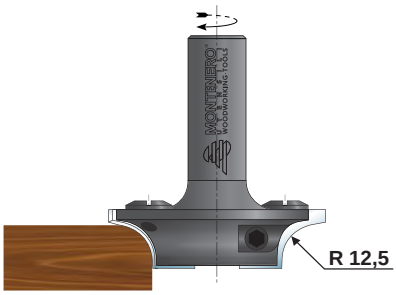
* **COMPRENDE UN SET DI COLTELLI CON RAGGI: 7,5-10-12,5**
Knives' set with 7,5-10-12,5 radius included
Messerset mit Radius 7,5-10-12,5 inklusive
Set de cuchillas con radio 7,5-10-12,5 incluidos

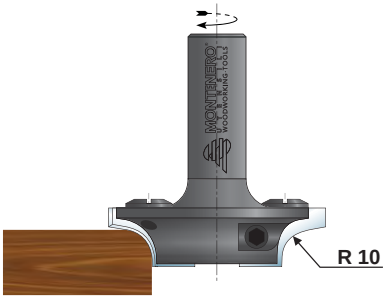
DISTINTA BASE / Bill of Materials

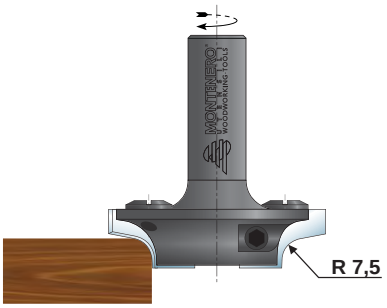
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AP015 01	CODICE AP015 02
Coltello / Knife	20 x 30 x 3 R12,5	**CSAP004**	/	2
Coltello / Knife	20 x 30 x 3 R10	**CSAP005**	/	2
Coltello / Knife	20 x 30 x 3 R7,5	**CSAP006**	/	2
Cuneo / Wedge	18 x 20 x 8	**CU131**	2	2
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT026**	2	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1

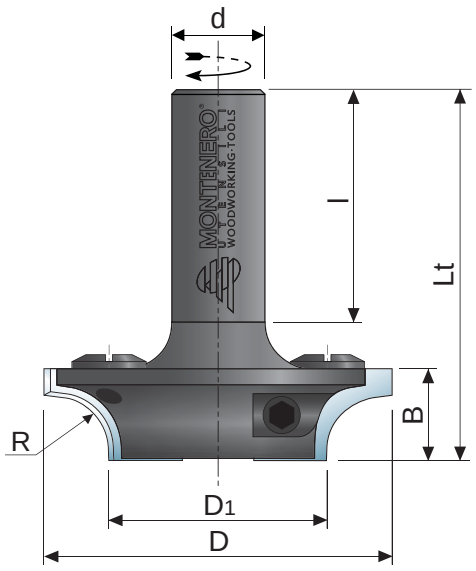
A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
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Más perfiles disponibles a pedir

ESEMPI DI LAVORAZIONE
Working Example









MONTENERO WOODWORKING·TOOLS



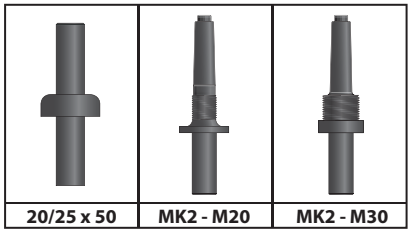
FRESA PER GIUNZIONI

Cutter for Joints
Fügefräser
Cabezal para juntas

CODICE CODE	D mm	B mm	d mm	Z
AP02001	100	60	20	2

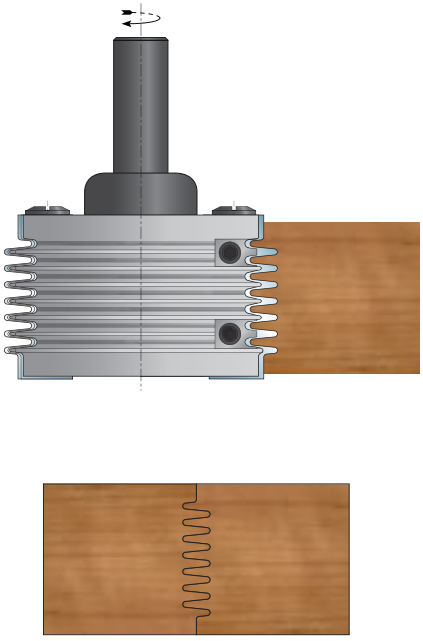
MANDRINO PORTAFRESA NON COMPRESO
vedi capitolo MANDRINI pag. 407

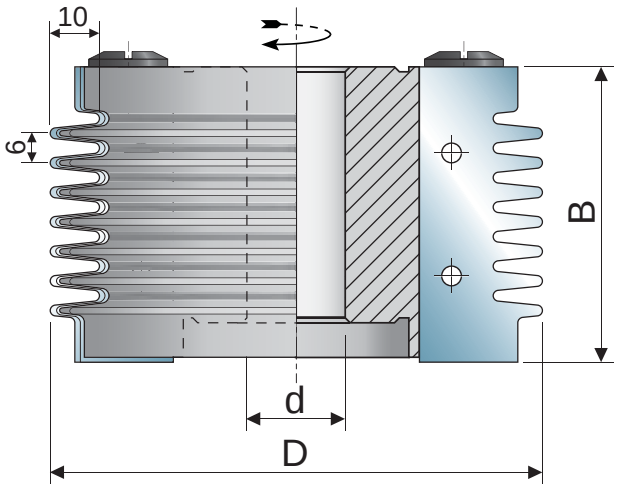
TOOLHOLDER NOT INCLUDED
see chapter CHUKS page 407



DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP020** **01**
Coltello / Knife	60 x 25 x 3	**CSAP035**	2
Cuneo / Wedge	58 x 12 x 8	**CU123**	2
Vite per cuneo / Wedge's Screw	M8 x 10	**VT015**	4
Viti di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1

ESEMPI DI LAVORAZIONE
Working Example







FRESA MULTIPROFILO PER STONDARE E SMUSSARE

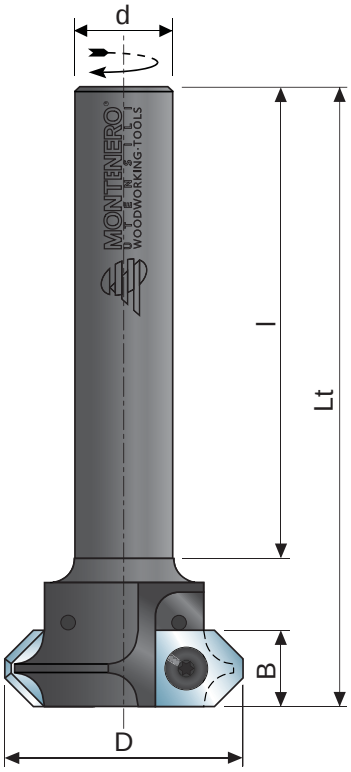
Adjustable multi-profile cutter for rounding and chamfering
Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser
Fresa multiperfil regulable para redondear o biselar

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
AP03001	50	16	130	20 / 25	100	2	R

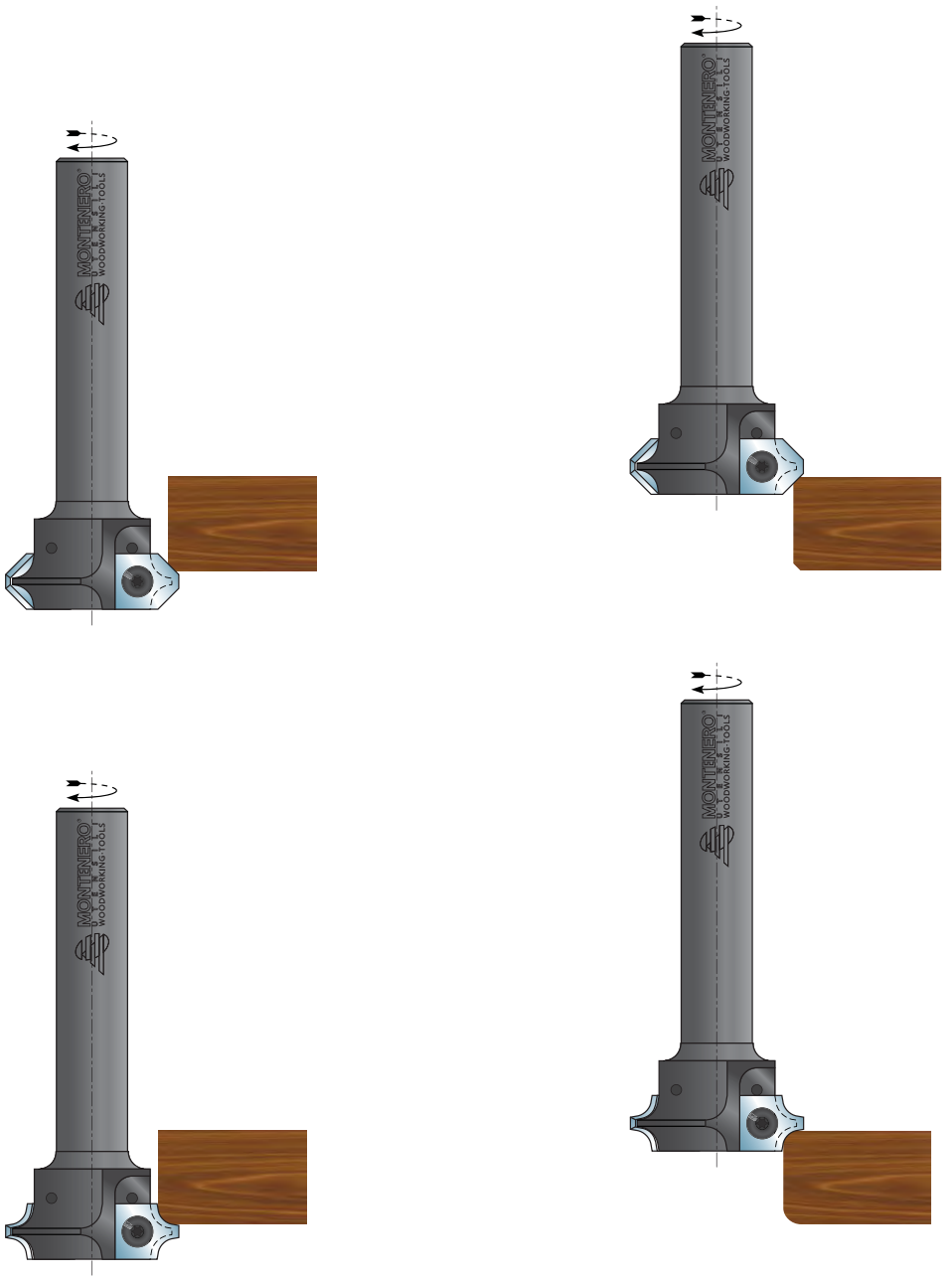
DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP030** **01**
Vite per Coltello / Knife's Screw	M4 x 8,3 Ø9	**VT013**	2
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1

COLTELLI STANDARD / Standard Knives			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP030** **01**
Coltello 45° / Knife 45°	16 x 18,5 x 2	**CSAP111**	2
Coltello R2 / Knife R2	16 x 18,5 x 2	**CSAP112**	2
Coltello R3 / Knife R3	16 x 18,5 x 2	**CSAP112**	2
Coltello R4 / Knife R4	16 x 18,5 x 2	**CSAP113**	2
Coltello R5 / Knife R5	16 x 18,5 x 2	**CSAP114**	2

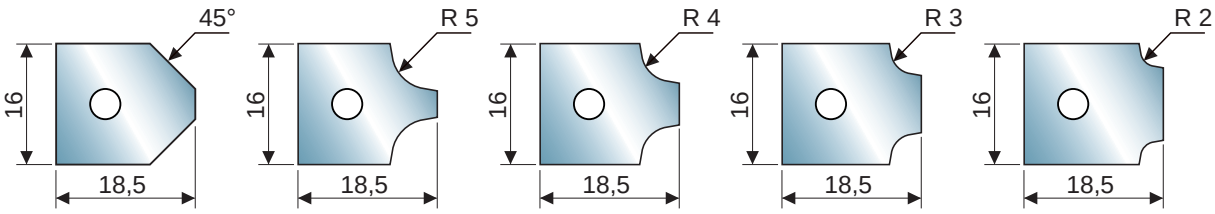
I COLTELLI NON SONO COMPRESI
(vedi tabella COLTELLI STANDARD)
The knives not included
(see table STANDARD KNIVES)



ESEMPI DI LAVORAZIONE
Working Example



COLTELLI STANDARD
Standard knives



CSAP111 **CSAP112** **CSAP113** **CSAP114** **CSAP115**

A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir



FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø min = 20 mm

Adjustable multi-profile cutter for rounding and chamfering Ø min 20mm
Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser Ø min 20mm
Fresa multiperfil regulable para redondear o biselar Ø min 20mm

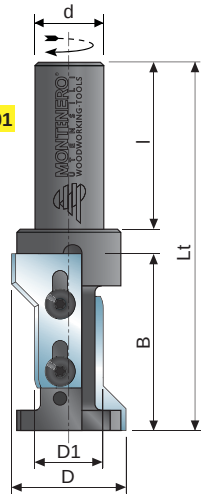
I COLTELLI NON SONO COMPRESI
(vedi tabella COLTELLI STANDARD)
The knives not included
(see table STANDARD KNIVES)

CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
AP03501	33,4	20	39,5 ÷ 54	110	20 / 25	50	2	R
AP03502	33,4	20	39,5 ÷ 54	110	20 / 25	50	2	L
AP03503	48	35	39,5 ÷ 54	110	20 / 25	50	2	R
AP03504	48	35	39,5 ÷ 54	110	20 / 25	50	2	L

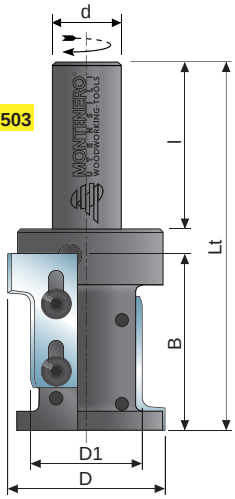
DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP035**			
			01	**02**	**03**	**04**
Vite per Coltello / Knife's Screw	M4 x 8,3 Ø9	**VT013**	4	4	4	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1

COLTELLI STANDARD / Standard Knives						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP035**			
			01	**02**	**03**	**04**
Coltello 45° A / Knife 45° A	40 x 25 x 2 DX	**CSAP007**	1	/	1	/
Coltello 45° B / Knife 45° B	40 x 25 x 2 DX	**CSAP008**	1	/	1	/
Coltello R2 A / Knife R2 A	40 x 25 x 2 DX	**CSAP009**	1	/	1	/
Coltello R2 B / Knife R2 B	40 x 25 x 2 DX	**CSAP010**	1	/	1	/
Coltello R3 A / Knife R3 A	40 x 25 x 2 DX	**CSAP011**	1	/	1	/
Coltello R3 B / Knife R3 B	40 x 25 x 2 DX	**CSAP012**	1	/	1	/
Coltello R5 A / Knife R5 A	40 x 25 x 2 DX	**CSAP013**	1	/	1	/
Coltello R5 B / Knife R5 B	40 x 25 x 2 DX	**CSAP014**	1	/	1	/
Coltello 45° A / Knife 45° A	40 x 25 x 2 SX	**CSAP015**	/	1	/	1
Coltello 45° B / Knife 45° B	40 x 25 x 2 SX	**CSAP016**	/	1	/	1
Coltello R2 A / Knife R2 A	40 x 25 x 2 SX	**CSAP017**	/	1	/	1
Coltello R2 B / Knife R2 B	40 x 25 x 2 SX	**CSAP018**	/	1	/	1
Coltello R3 A / Knife R3 A	40 x 25 x 2 SX	**CSAP019**	/	1	/	1
Coltello R3 B / Knife R3 B	40 x 25 x 2 SX	**CSAP020**	/	1	/	1
Coltello R5 A / Knife R5 A	40 x 25 x 2 SX	**CSAP021**	/	1	/	1
Coltello R5 B / Knife R5 B	40 x 25 x 2 SX	**CSAP022**	/	1	/	1

AP03501



AP03503

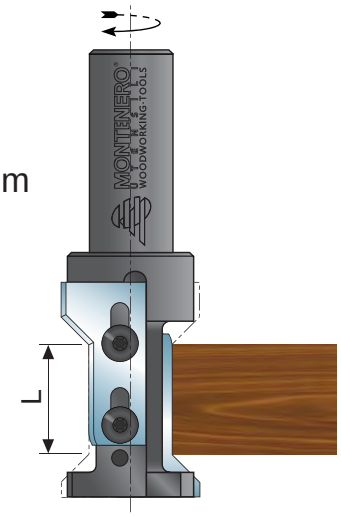


A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

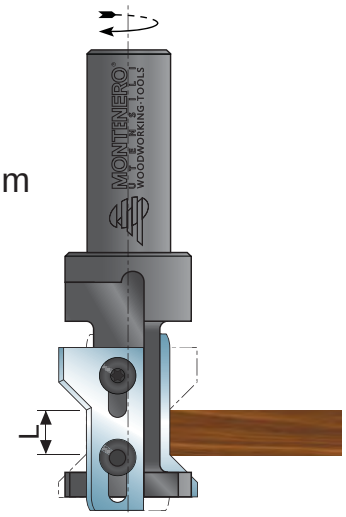
MONTENERO WOODWORKING·TOOLS

ESEMPI DI LAVORAZIONE
Working Example

L max = 28 mm

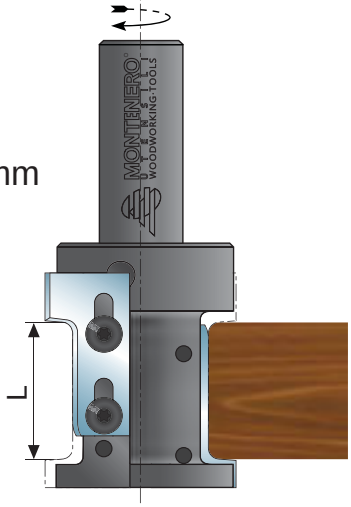


L min = 13,5 mm



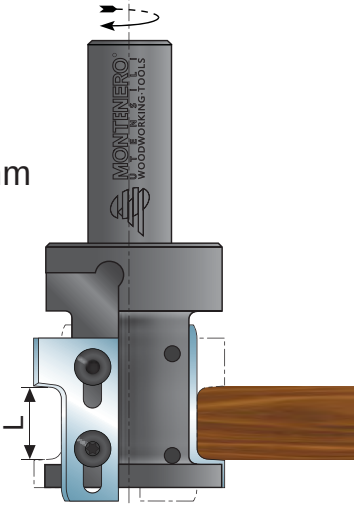
L max = 34 mm

R = 5 mm

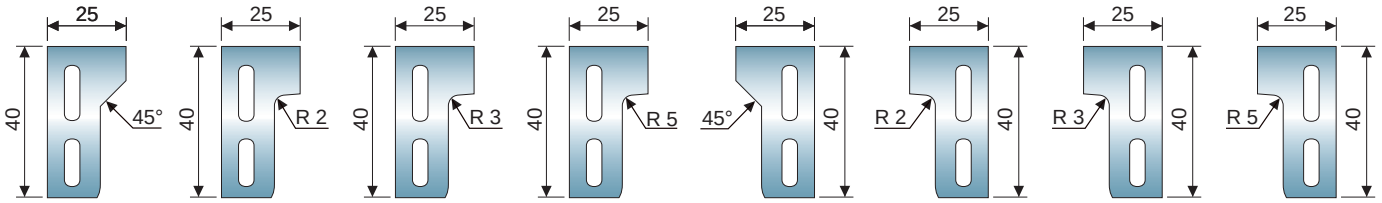


L min = 19,5 mm

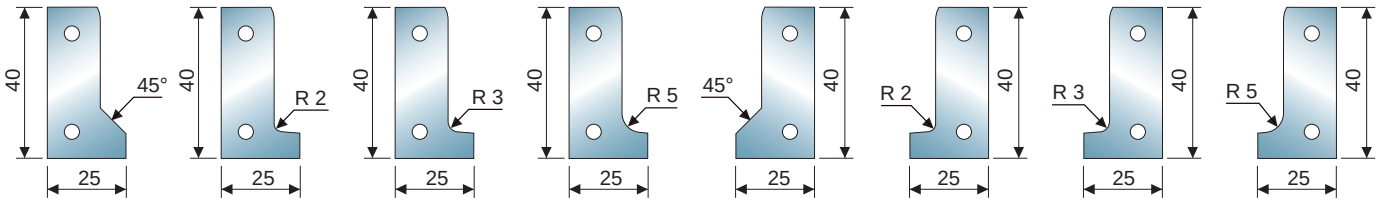
R = 2 mm



COLTELLI STANDARD
Standard knives



CSAP007 CSAP009 CSAP011 CSAP013 CSAP015 CSAP017 CSAP019 CSAP021



CSAP008 CSAP010 CSAP012 CSAP014 CSAP016 CSAP018 CSAP020 CSAP022



FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø min = 80 mm

Adjustable multi-profile cutter for rounding and chamfering Ø min 80mm
Verstellbarer Multiprofil-kanten-bzw. Abrund-Fräser Ø min 80mm
Fresa multiperfil regulable para redondear o biselar Ø min 80mm

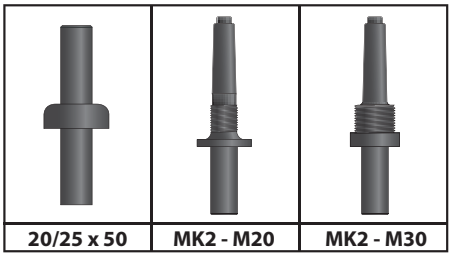
I COLTELLI NON SONO COMPRESI
(vedi tabella COLTELLI STANDARD)

The knives not included
(see table STANDARD KNIVES)

CODICE CODE	D *mm*	D1 *mm*	B *mm*	d *mm*	Z
AP04001	100	80	50	20	2
AP04002	100	80	16	20	2

MANDRINO PORTAFRESA NON COMPRESO
vedi capitolo MANDRINI pag. 407

Toolholder not included
see chapter CHUKS page 407

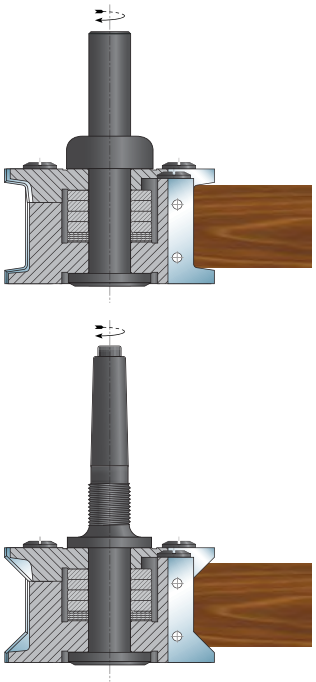


20/25 x 50	MK2 - M20	MK2 - M30

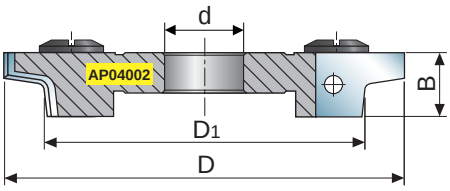
DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP040**	
			01	**02**
Cuneo / Wedge	48 x 15 x 8	**CU130**	2	/
Cuneo / Wedge	15 x 15 x 8	**CU124**	/	2
Set Anelli / Set Rings	Ø20 X 25	**SA022**	1	1
Vite per cuneo / Wedge's Screw	M8 x 10	**VT015**	4	2
Viti di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2

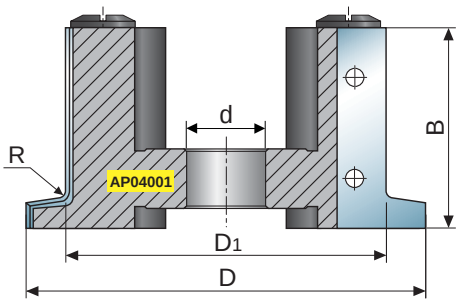
COLTELLI STANDARD / Standard Knives				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP040**	
			01	**02**
Coltello 45° / Knife 45°	50 x 25 x 2	**CSAP023**	2	/
Coltello R2 / Knife R2	50 x 25 x 2	**CSAP024**	2	/
Coltello R3 / Knife R3	50 x 25 x 2	**CSAP025**	2	/
Coltello R5 / Knife R5	50 x 25 x 2	**CSAP026**	2	/
Coltello R6 / Knife R6	50 x 25 x 2	**CSAP027**	2	/
Coltello R8 / Knife R8	50 x 25 x 2	**CSAP028**	2	/
Coltello 45° / Knife 45°	16 x 25 x 2	**CSAP029**	/	2
Coltello R2 / Knife R2	16 x 25 x 2	**CSAP030**	/	2
Coltello R3 / Knife R3	16 x 25 x 2	**CSAP031**	/	2
Coltello R5 / Knife R5	16 x 25 x 2	**CSAP032**	/	2
Coltello R6 / Knife R6	16 x 25 x 2	**CSAP033**	/	2
Coltello R8 / Knife R8	16 x 25 x 2	**CSAP034**	/	2

ESEMPI DI LAVORAZIONE
Working Example



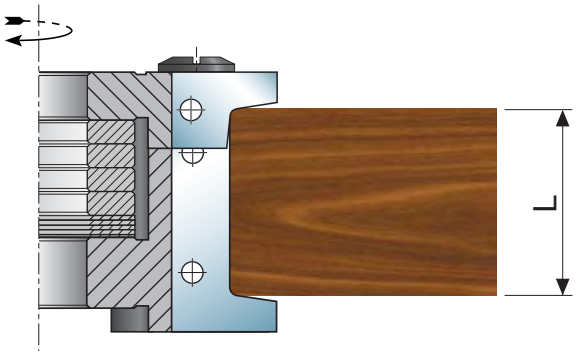
A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir





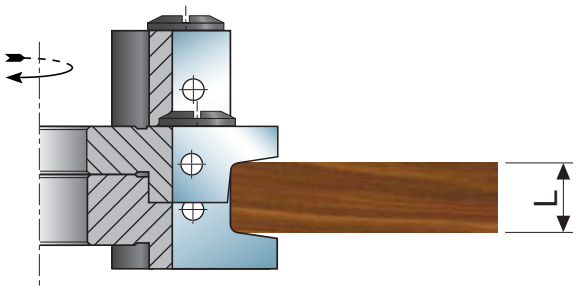
MONTENERO WOODWORKING·TOOLS

ESEMPI DI LAVORAZIONE
Working Example



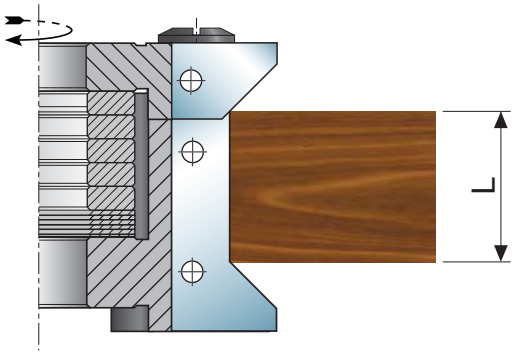
L max = 40,5 mm

R = 8 mm

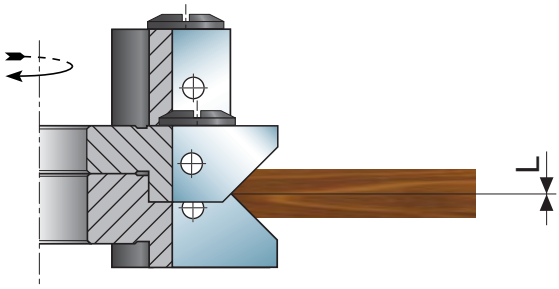


L min = 14 mm

R = 2 mm

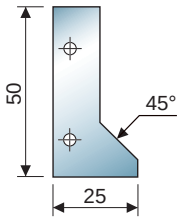


L max = 24 mm

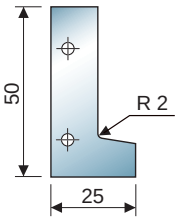


L min = 0 mm

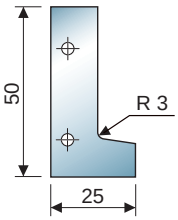
COLTELLI STANDARD
Standard knives



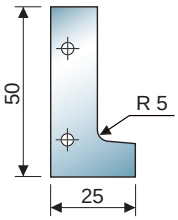
CSAP023



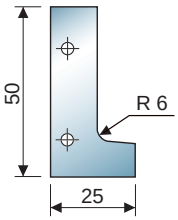
CSAP024



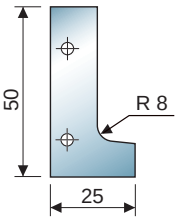
CSAP025



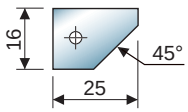
CSAP026



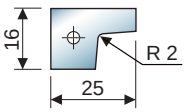
CSAP027



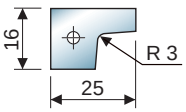
CSAP028



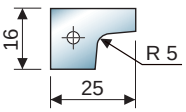
CSAP029



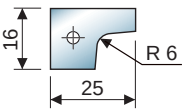
CSAP030



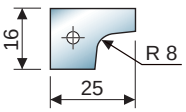
CSAP031



CSAP032



CSAP033



CSAP034



FRESE PER PORTE
PROFILO E CONTROPROFILO

Cutter for doors - Profile and counterprofile
Profil - und Gegenprofilfräser für Türen
Fresa para perfil y contraperfil para puertas

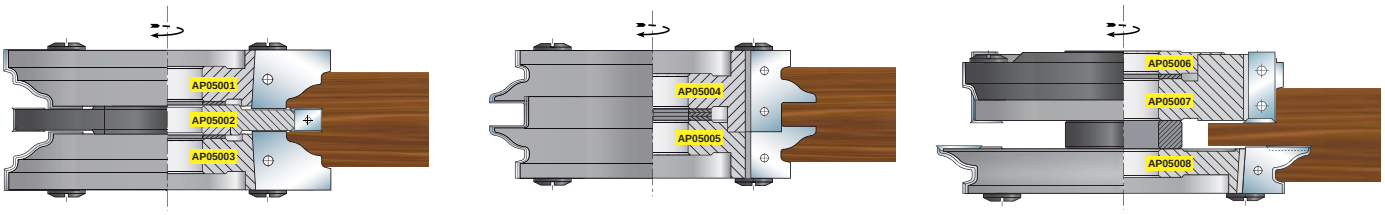
* **CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.**
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

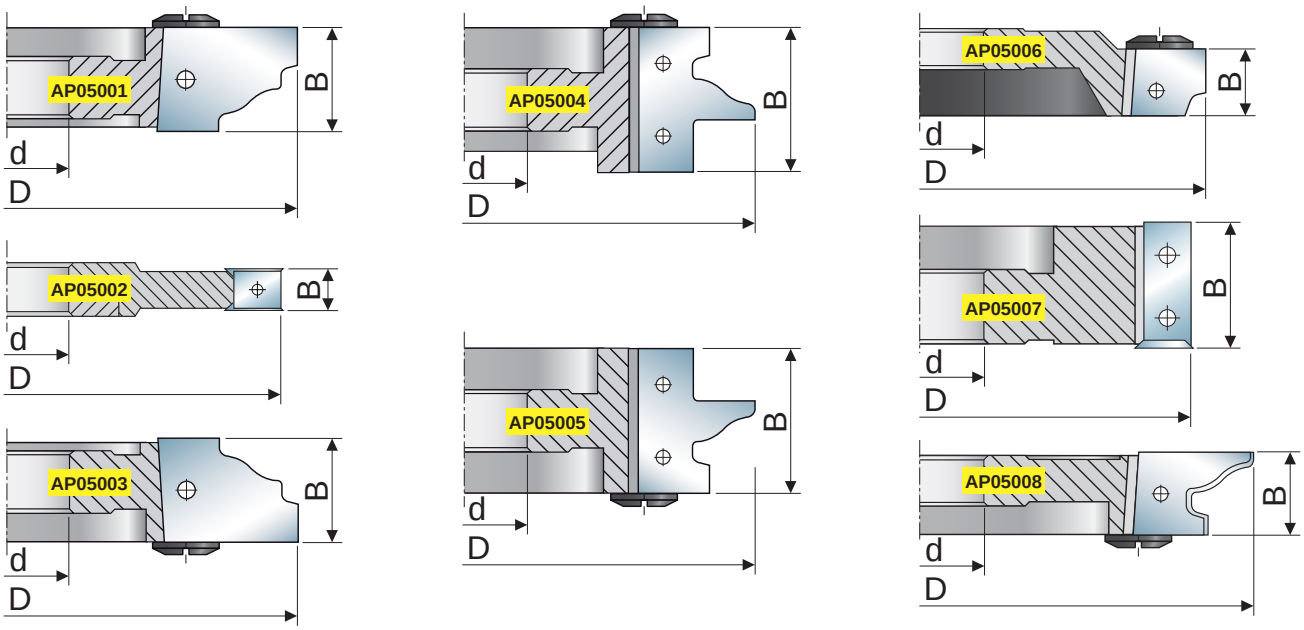
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R
AP05001	LEGA LEGG.*	140	25	30	3	/
AP05002	ACCIAIO	132	10 ÷ 20	30	4	2 + 2
AP05003	LEGA LEGG.*	140	25	30	3	/
AP05004	LEGA LEGG.*	140	35	30	3	/
AP05005	LEGA LEGG.*	140	35	30	3	/
AP05006	ACCIAIO	138	16	30	3	/
AP05007	LEGA LEGG.*	131	30,3	30	3	3
AP05008	LEGA LEGG.*	160	20,3	30	3	3

DISTINTA BASE / Bill of Materials

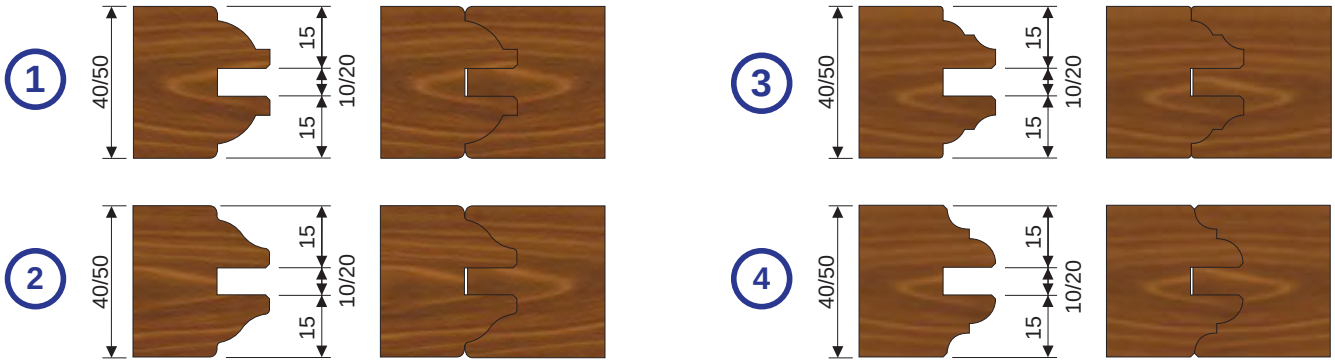
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AP050							
			01	02	03	04	05	06	07	08
Coltello / Knife	25 x 35 x 2 DX	**CSAP036**	3	/	/	/	/	/	/	/
Coltello / Knife	9,6 x 12 x 1,5	**CGZ204**	/	4	/	/	/	/	/	/
Coltello / Knife	25 x 35 x 2 SX	**CSAP037**	/	/	3	/	/	/	/	/
Coltello / Knife	35 x 30 x 2 DX	**CSAP038**	/	/	/	3	/	/	/	/
Coltello / Knife	35 x 30 x 2 SX	**CSAP039**	/	/	/	/	3	/	/	/
Coltello / Knife	16 x 20 x 2	**CSAP040**	/	/	/	/	/	3	/	/
Coltello / Knife	30 x 12 x 1,5	**CGZ211**	/	/	/	/	/	/	3	/
Coltello / Knife	20 x 30 x 2	**CSAP041**	/	/	/	/	/	/	/	3
Rasante / Spur	14 x 14 x 2	**RAS02**	/	4	/	/	/	/	3	/
Rasante / Spur	22 x 19 x 2	**RAS06**	/	/	/	/	/	/	/	3
Cuneo / Wedge	24 x 25 x 8 DX	**CU145**	3	/	/	/	/	/	/	/
Cuneo / Wedge	9 x 12 x 10	**CU008**	/	4	/	/	/	/	/	/
Cuneo / Wedge	24 x 25 x 8 SX	**CU146**	/	/	3	/	/	/	/	/
Cuneo / Wedge	35 x 12 x 8 DX	**CU147**	/	/	/	3	/	/	/	/
Cuneo / Wedge	35 x 12 x 8 SX	**CU148**	/	/	/	/	3	/	/	/
Cuneo / Wedge	16 x 13,5 x 8	**CU149**	/	/	/	/	/	3	/	/
Cuneo / Wedge	26 x 15 x 8	**CU002**	/	/	/	/	/	/	3	/
Cuneo / Wedge	19 x 15 x 8	**CU150**	/	/	/	/	/	/	/	3
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	3	/	3	6	6	3	6	3
Vite per Cuneo / Wedge's Screw	M6 x 16	**VT006**	/	4	/	/	/	/	/	/
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	/	4	/	/	/	/	3	/
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT001**	3	/	3	3	3	3	/	3
Set Anelli / Set Rings	d30 x 12,4	**SA023**	*			/	/	/	/	/
Set Anelli / Set Rings	d30 x 15	**SA024**	/	/	/	*		/	/	/
Set Anelli / Set Rings	d30 x 24,6	**SA025**	/	/	/	/	/	*		
Chiave per Rasante / Insert's Key	Torx 20	**TK020**	/	1	/	/	/	/	1	1
Chiave per Cuneo / Wedge's Key	Esagonale 3	**CH003**	/	1	/	/	/	/	/	/
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	/	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example





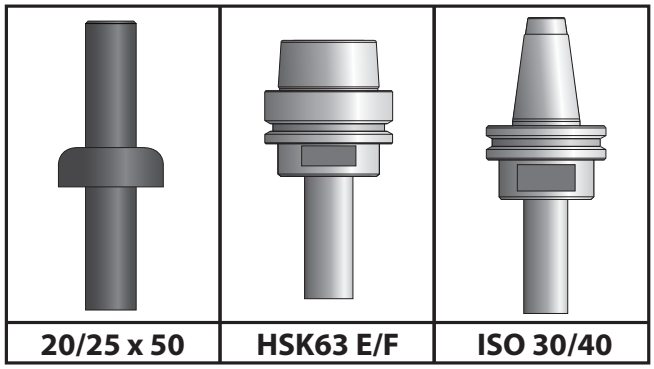
ESEMPI DI PROFILI
Example of Profile



A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

MANDRINO PORTAFRESA NON COMPRESO
vedi capitolo MANDRINI pag. 405

Toolholder not included
see chapter CHUKS page 405





FRESA PER ANTINE
PROFILO E CONTROPROFILO

Cutter for cabine - Profile and counterprofile
Profil - und Gegenprofilfräser für Türen
Fresa para perfil y contraperfil para puertas

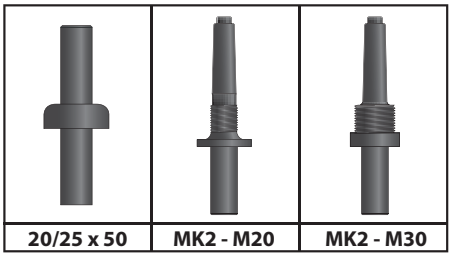
I COLTELLI NON SONO COMPRESI
(vedi tabella COLTELLI STANDARD)

The knives not included
(see table STANDARD KNIVES)

CODICE CODE	D *mm*	D1 *mm*	B *mm*	d *mm*	Z	I
AP06001	102	80	35	20	2	2 + 2
AP06002	102	80	35	20	2	2 + 2

MANDRINO PORTAFRESA NON COMPRESO
vedi capitolo MANDRINI pag. 407

Toolholder not included
see chapter CHUKS page 407



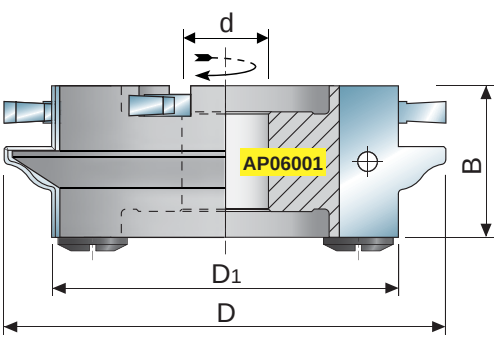
20/25 x 50	MK2 - M20	MK2 - M30

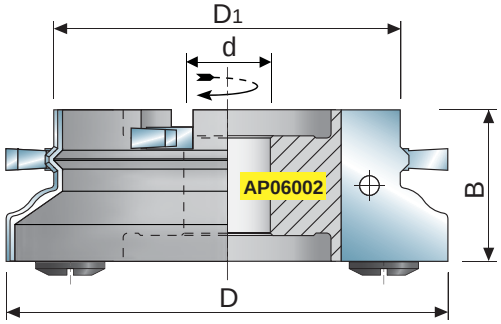
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AP130			
			01	02	03	04
Coltelli / Knife	15 x 25 x 2	**CSAP093**	2	/	/	/
Coltelli FIX / Knife FIX	20 x 25 x 2	**CSAP094**	/	2	/	/
Coltelli FIX / Knife FIX	25 x 25 x 2	**CSAP095**	/	/	2	/
Coltelli FIX / Knife FIX	30 x 25 x 2	**CSAP096**	/	/	/	2
Vite per coltello / Knife's Screw	M3,5 x 6,2 Ø9	**VT029**	2	/	2	/
Vite per coltello / Knife's Screw	M4 x 8,3 Ø7,5	**VT013**	/	2	/	/
Vite per coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	/	/	/	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	/
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	/	/	/	1

COLTELLI STANDARD / Standard Knives

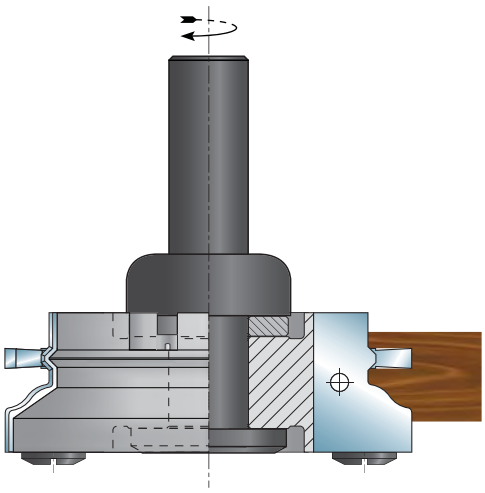
DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AP060	
			01	02
Coltello Prof. P1 / Profile Knife P1	35 x 30 x 3	**CSAP042**	2	/
Coltello Prof. P2 / Profile Knife P2	35 x 30 x 3	**CSAP043**	2	/
Coltello Prof. P3 / Profile Knife P3	35 x 30 x 3	**CSAP044**	2	/
Coltello Prof. P4 / Profile Knife P4	35 x 30 x 3	**CSAP045**	2	/
Coltello Prof. P5 / Profile Knife P5	35 x 30 x 3	**CSAP046**	2	/
Coltello C. Prof. P1 / Scribe Knife P1	35 x 30 x 3	**CSAP047**	/	2
Coltello C. Prof. P2 / Scribe Knife P2	35 x 30 x 3	**CSAP048**	/	2
Coltello C. Prof. P3 / Scribe Knife P3	35 x 30 x 3	**CSAP049**	/	2
Coltello C. Prof. P4 / Scribe Knife P4	35 x 30 x 3	**CSAP050**	/	2
Coltello C. Prof. P5 / Scribe Knife P5	35 x 30 x 3	**CSAP051**	/	2





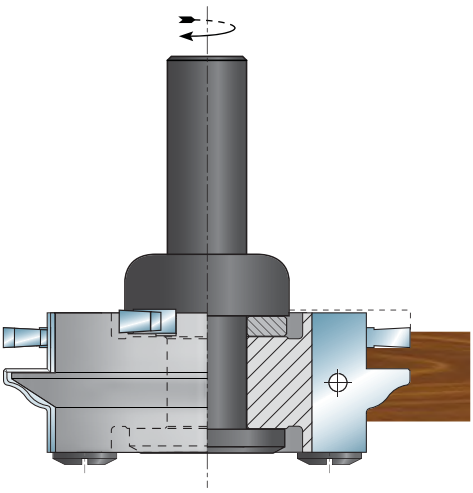
MONTENERO
WOODWORKING·TOOLS

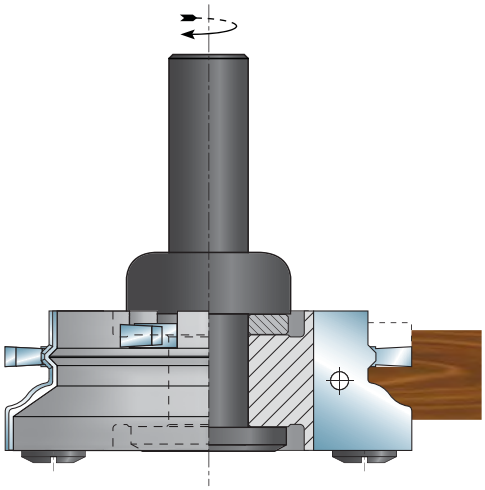
ESEMPI DI LAVORAZIONE
Working Example





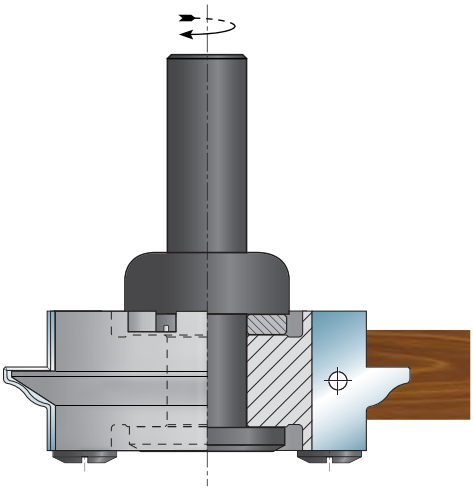
CON SPINA
With tenon



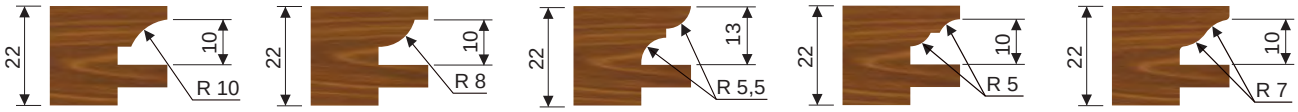




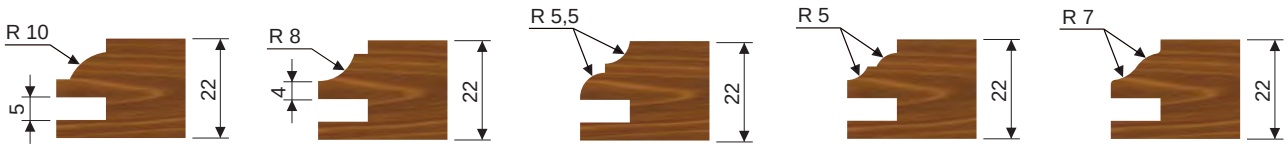
SENZA SPINA
Without tenon



Controprofilo / Scribe



P1 **P2** **P3** **P4** **P5**



Profilo / Profile

A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

PIATTABANDA MULTIPROFILO Z3

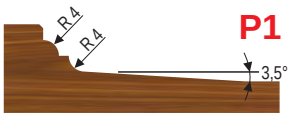
Multi-profile platband Z3
Multiprofiladplattfräser Z3
Platabanda multiperfil Z3

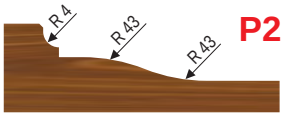


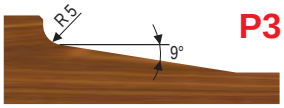
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.
Body in a light alloy, do not use caustic soda.
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden.
Cuerpo en aleaciòn ligera, no utilizar sosa càustica.

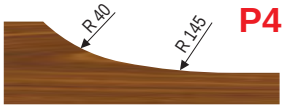
CODICE CODE	D mm	B mm	d mm	Z	ROTAZ. ROTAT.
AP07001	160	55	30	3	R
AP07002	160	55	30	3	L
AP07003	180	55	30	3	R
AP07004	180	55	30	3	L

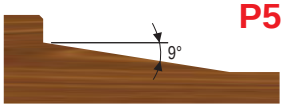
ESEMPI DI PROFILI
Example of Profile









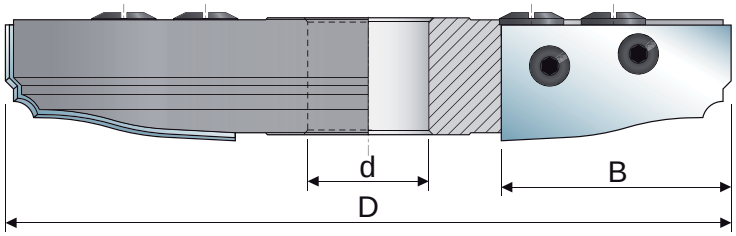


DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AP070			
			01	02	03	04
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	6	6	6	6
Vite per Coltelli / Knife's Screw	M6 x 13 Ø10,3	**VT018**	6	6	6	6
Chiave per Coltelli / Knife's Key	Esagonale 4	**CH004**	1	1	1	1

COLTELLI STANDARD / Standard Knives						
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AP070			
			01	02	03	04
Coltello P1 / Knife P1	55 x 30 x 3 DX	**CSAP052**	3	/	3	/
Coltello P2 / Knife P2	55 x 30 x 3 DX	**CSAP053**	3	/	3	/
Coltello P3 / Knife P3	55 x 30 x 3 DX	**CSAP054**	3	/	3	/
Coltello P4 / Knife P4	55 x 30 x 3 DX	**CSAP055**	3	/	3	/
Coltello P5 / Knife P5	55 x 30 x 3 DX	**CSAP056**	3	/	3	/
Coltello P1 / Knife P1	55 x 30 x 3 SX	**CSAP057**	/	3	/	3
Coltello P2 / Knife P2	55 x 30 x 3 SX	**CSAP058**	/	3	/	3
Coltello P3 / Knife P3	55 x 30 x 3 SX	**CSAP059**	/	3	/	3
Coltello P4 / Knife P4	55 x 30 x 3 SX	**CSAP060**	/	3	/	3
Coltello P5 / Knife P5	55 x 30 x 3 SX	**CSAP061**	/	3	/	3

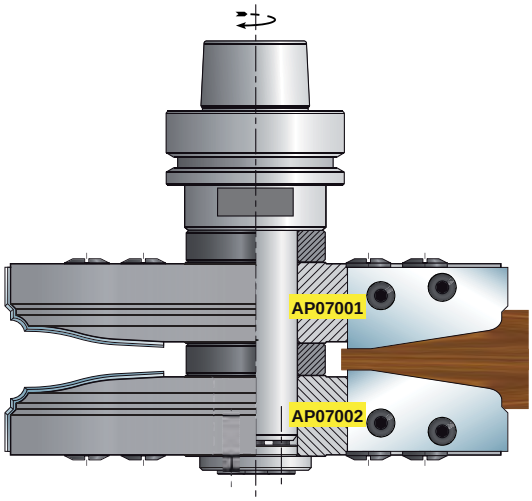
NOTE: **I PROFILI SONO GLI STESSI OTTENIBILI CON LE AT087**
Notes: The profiles are the same as those thet can be had with the AT087
Anm.: Dieselben Profile können Anwendung der Art.-Nr. AT087
Anotaciones: Los perfiles son los mismos conseguibles con los cód. AT087

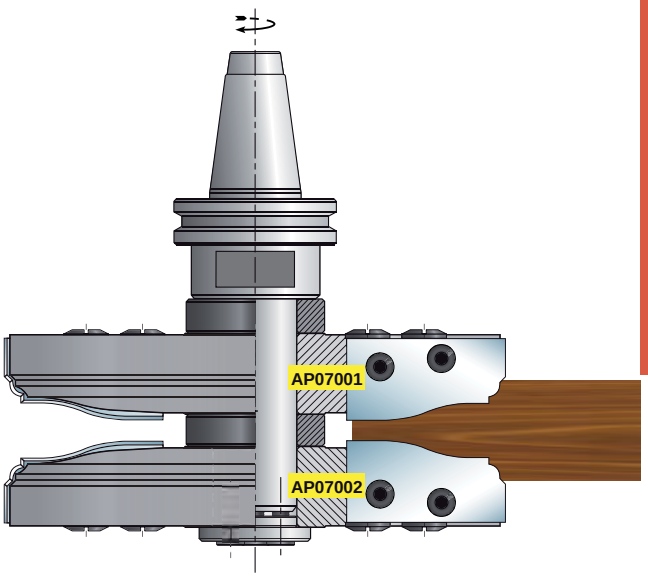
I COLTELLI NON SONO COMPRESI (vedi tabella COLTELLI STANDARD)
The knives not included (see table STANDARD KNIVES)

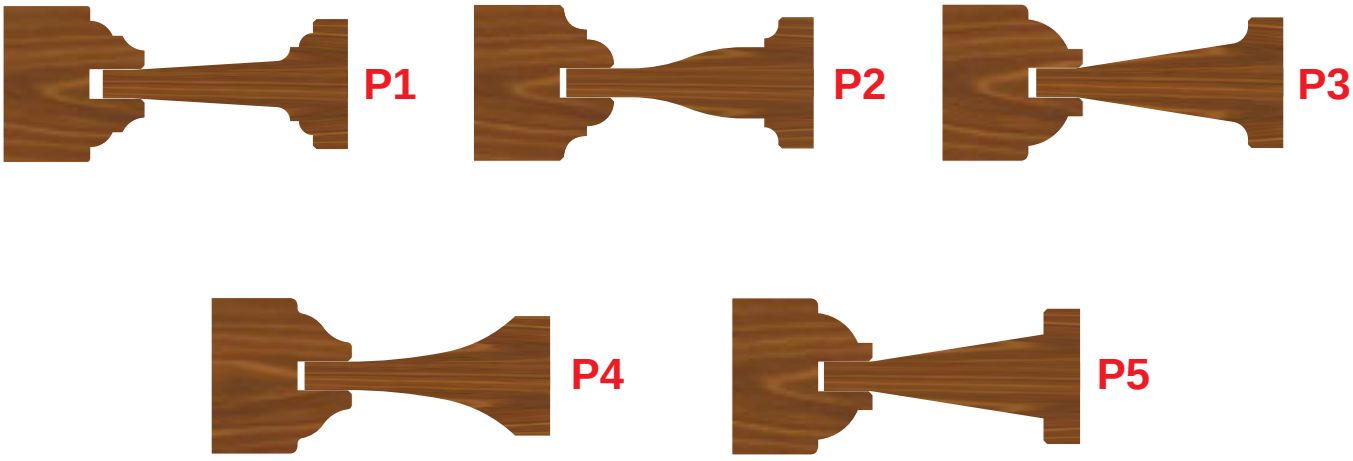


MONTENERO WOODWORKING·TOOLS

ESEMPI DI LAVORAZIONE
Working Example



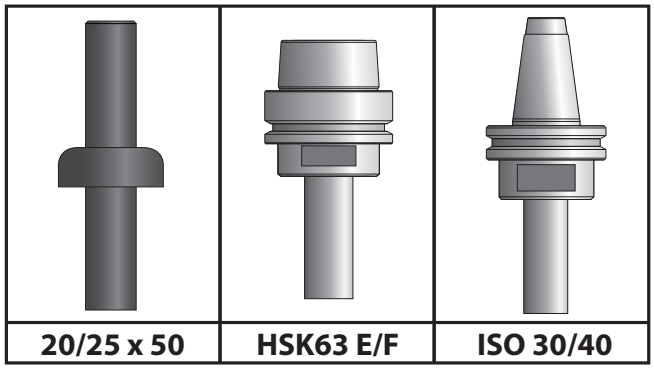




A RICHIESTA DISPONIBILI ALTRI PROFILI
More profile avaiable on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

MANDRINO PORTAFRESA NON COMPRESO
vedi capitolo MANDRINI pag. 405

Toolholder not included
see chapter CHUKS page 405





PIATTABANDA MULTIPROFILO Z2

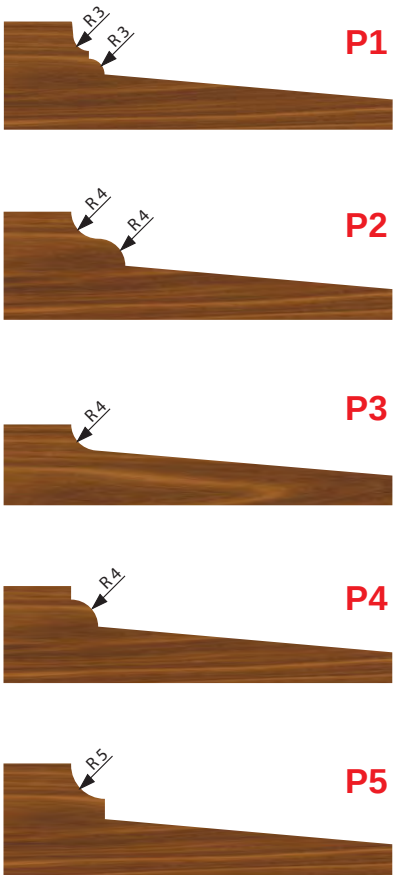
Multi-profile platband Z2
Multiprofiladplattfräser Z2
Platabanda multiperfil Z2

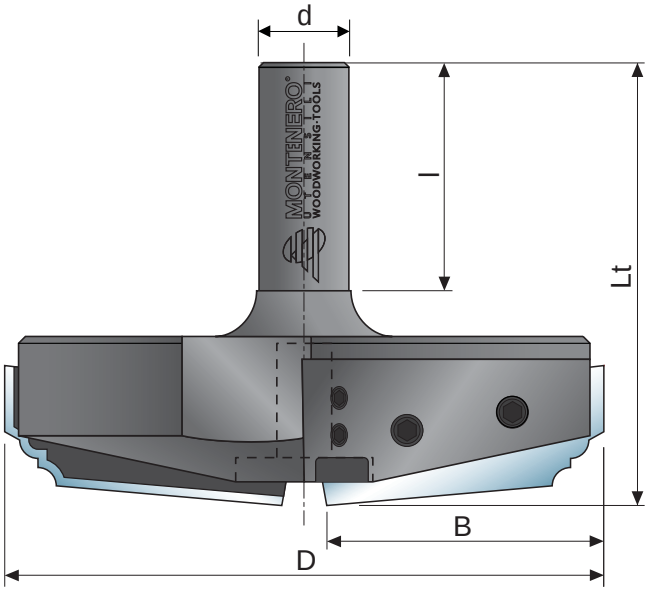
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP08001	138	46,5	97	20 / 25	50	2

DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP080** 01
Cuneo / Wedge	58 x 15 x 8	**CU046**	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	4
Vite per AP081 / Screw for AP081	M5 x 10	**VT038**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1

COLTELLI STANDARD / Standard Knives			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP080** 01
Coltello P1 / Knife P1	65 x 25 x 2	**CSAP062**	2
Coltello P2 / Knife P2	65 x 25 x 2	**CSAP063**	2
Coltello P3 / Knife P3	65 x 25 x 2	**CSAP064**	2
Coltello P4 / Knife P4	65 x 25 x 2	**CSAP065**	2
Coltello P5 / Knife P5	65 x 25 x 2	**CSAP066**	2
Supporto P1 / Support Plate P1	62 x 25 x 4	**SU016**	2
Supporto P2 / Support Plate P2	62 x 25 x 4	**SU017**	2
Supporto P3 / Support Plate P3	62 x 25 x 4	**SU018**	2
Supporto P4 / Support Plate P4	62 x 25 x 4	**SU019**	2
Supporto P5 / Support Plate P5	62 x 25 x 4	**SU020**	2

ESEMPI DI LAVORAZIONE
Working Example





MONTENERO
WOODWORKING·TOOLS

SOTTOPUNTA OPZIONALE PER AP080

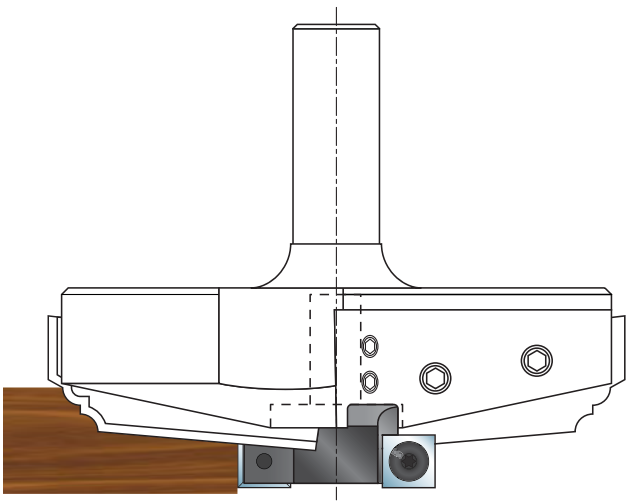
Additional insert for center can be mounted on AP080
Insert für Spitze montierbar auf AP080
Inserto adicional por broca montable en AP080

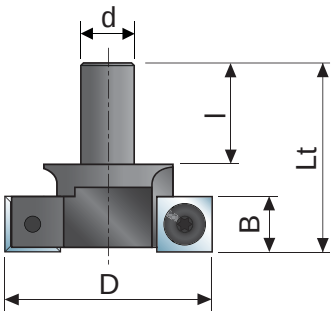


CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP08101	45	12	40	12	22	2

DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP081** **01**
Coltello / Knife	12 x 12 x 1,5	**CGZ203**	2
Vite per Coltello / Knife's Screw	M3,5 x 7 Ø9	**VT026**	2
Chiave per coltello / Knife's Key	Torx 15	**TK015**	1
Chiave per Vite di blocc. / Block Screw's Key	Esagonale 2,5	**CH025**	1

ESEMPI DI LAVORAZIONE
Working Example







FRESA MULTIPROFILO PER SAGOME INTERNE O PIATTABANDA

Multi-profile platband for internal profiles
Multiprofiladplattfräser für Innenprofile
Platabanda multiperfil para perfiles interiores

MATERIALE : MDF - LEGNO

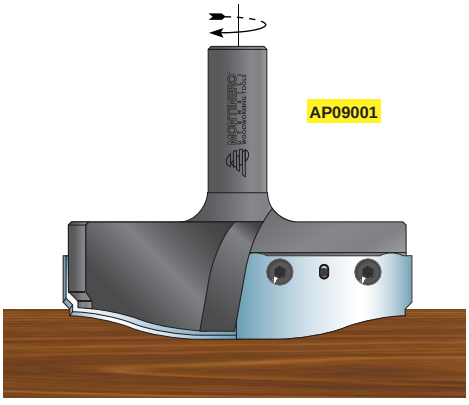
Material : MDF - Wood
Werkstoff : MDF - Holz
Material : MDF - Madera

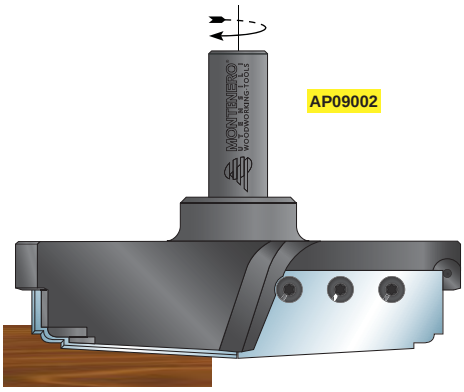
CODICE CODE	D mm	B mm	PP mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP90001	119	59,5	14	100	20	50	2
AP90002	140	57	21	105	20	50	2

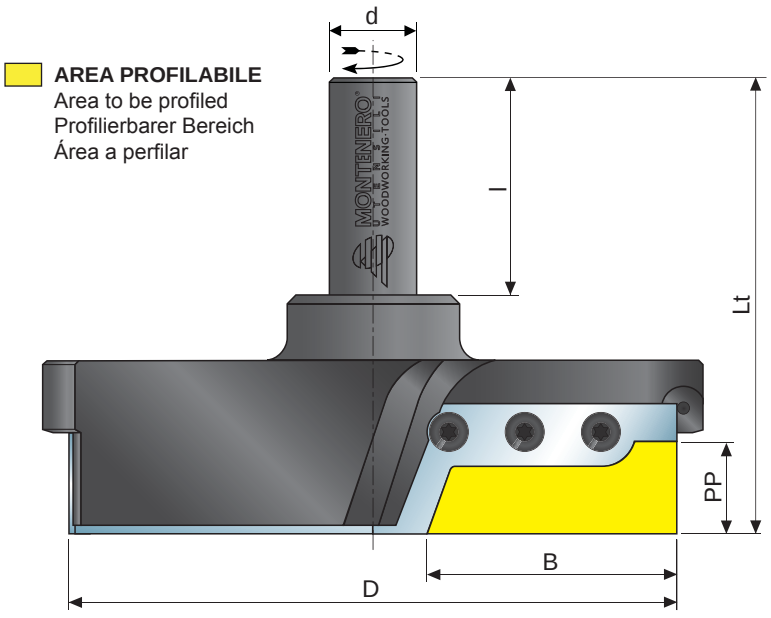
DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP090** 01	**CODICE AP090** 02
Coltelli / Knife	70 x 30 x 2	**CSAP067**	/	2
Coltelli FIX / Knife FIX	60 x 30 x 2	**CSAP068**	2	/
Vite per coltello / Knife's Screw	M4 x 8,3 Ø9	**VT013**	/	6
Vite per coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	4	/
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	/	1
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	/

ESEMPI DI LAVORAZIONE

Working Example







MONTENERO WOODWORKING·TOOLS



FRESA MULTIPROFILO PER SAGOME INTERNE O ESTERNE DI ANTINE

Multi-profile cutter for internal and external profiles for cabine
Multiprofilfräser für Türinnenseite und Türaußenseite
Fresa multiperfil para perfiles interiore y exteriore para puertas

MATERIALE : MDF - LEGNO

Material : MDF - Wood
Werkstoff : MDF - Holz
Material : MDF - Madera

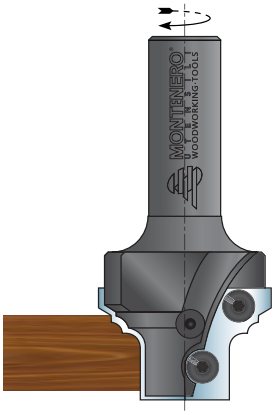
CODICE CODE	D max mm	B max mm	PP mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP10001	70	29	22	100	20	50	2
AP10002	70	39	22	110	20	50	2
AP10003	90	39	32	110	20	50	2

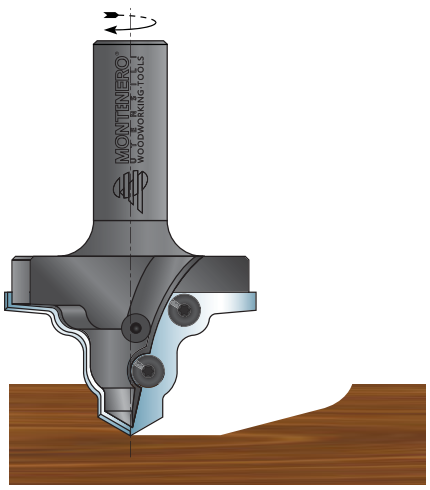
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AP100 01	CODICE AP100 02	CODICE AP100 03
Coltello / Knife	30 x 35 x 2	**CSAP069**	2	/	/
Coltello / Knife	40 x 35 x 2	**CSAP070**	/	2	/
Coltello / Knife	40 x 45 x 2	**CSAP071**	/	/	2
Vite per Coltello / Knife's Screw	M4 x 8,3 Ø9	**VT013**	4	4	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1

ESEMPI DI LAVORAZIONE

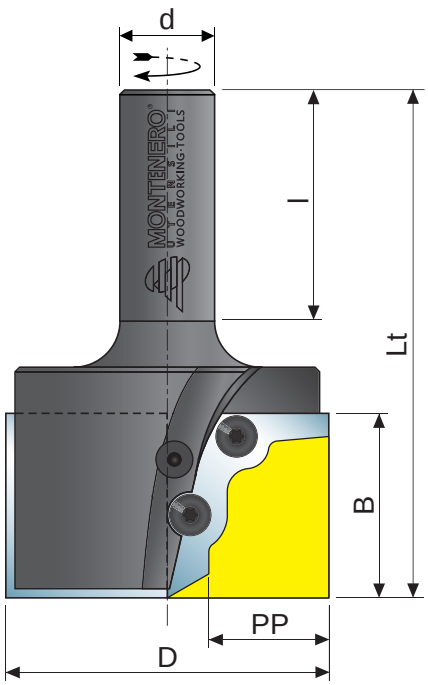
Working Example





CORPI CON ROTAZIONE SINISTRA A RICHIESTA
Body with left rotation on request
Körper mit linker Drehrichtung auf Anfrage
Cuerpo con rotación izquierda a petición

AREA PROFILABILE
Area to be profiled
Profilierbarer Bereich
Área a perfilar





FRESA MULTIPROFILO PER SAGOME ESTERNE DI ANTINE

Multi-profile cutter for external profiles for cabine
Multiprofilfräser für Türaußenseite
Fresa multiperfil para perfiles exteriore para puerta

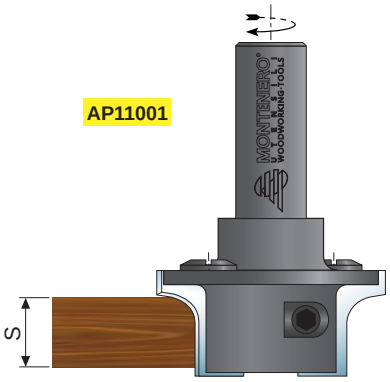
CODICE CODE	D mm	D min mm	B mm	S max mm	P.P. mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP11001	65	43	30	22	11	95	20 / 25	50	2
AP11002	65	43	35	28	11	100	20 / 25	50	2
AP11003	65	43	40	32	11	105	20 / 25	50	2
AP11004	72	44	40	32	14	105	20 / 25	50	2
AP11005	91	43	30	20	24	95	20 / 25	50	2
AP11006	103	42	35	22	33	100	20 / 25	50	2

DISTINTA BASE / Bill of Materials

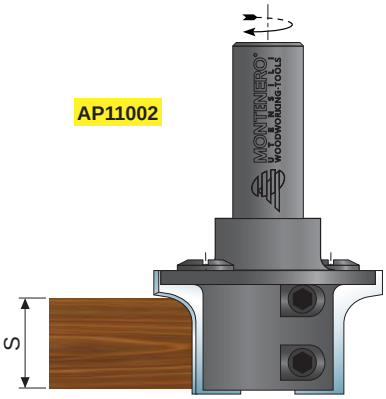
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AP110 01	02	03	04	05	06
Coltello / Knife	30 x 25 x 2	**CSAP072**	2	/	/	/	/	/
Coltello / Knife	35 x 25 x 2	**CSAP073**	/	2	/	/	/	/
Coltello / Knife	40 x 25 x 2	**CSAP074**	/	/	2	/	/	/
Coltello / Knife	40 x 30 x 2	**CSAP075**	/	/	/	2	/	/
Coltello / Knife	30 x 40 x 2	**CSAP076**	/	/	/	/	2	/
Coltello / Knife	50 x 35 x 2	**CSAP077**	/	/	/	/	/	2
Cuneo / Wedge	28 x 15 x 8	**CU072**	2	/	/	/	/	/
Cuneo / Wedge	33 x 15 x 8	**CU073**	/	2	/	/	/	/
Cuneo / Wedge	38 x 15 x 8	**CU074**	/	/	2	/	/	/
Cuneo / Wedge	38 x 25 x 8	**CU075**	/	/	/	2	/	/
Cuneo / Wedge	28 x 25 x 8	**CU076**	/	/	/	/	2	/
Cuneo / Wedge	34 x 42 x 8	**CU077**	/	/	/	/	/	2
Vite per Cuneo / Wedge's Screw	M8 x 10	**VT015**	2	4	4	/	4	/
Vite per Cuneo / Wedge's Screw	M8 x 12	**VT049**	/	/	/	4	/	4
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2	2	2	2	2	2
Chiave per Cuneo / Wedge's Key	Esagonale	**CH004**	1	1	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example

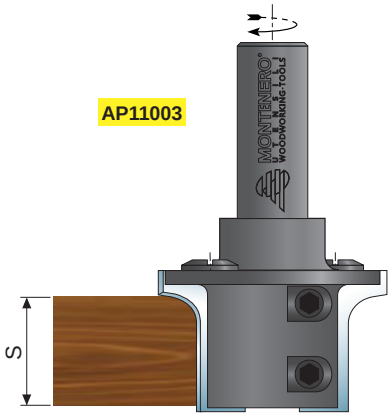
AP11001



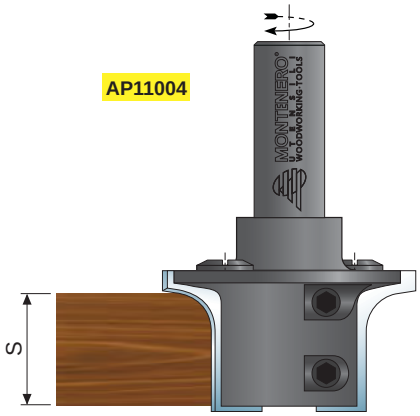
AP11002



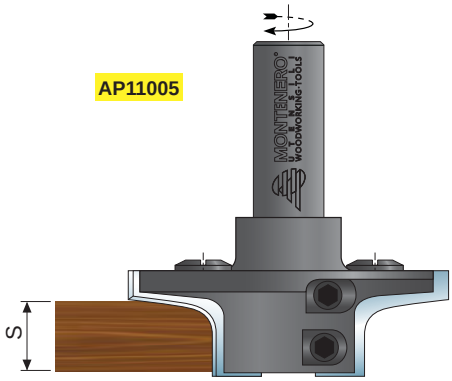
AP11003



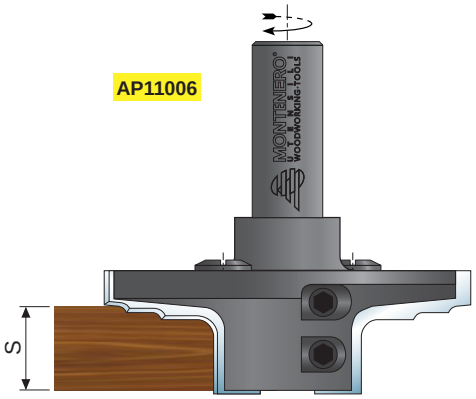
AP11004

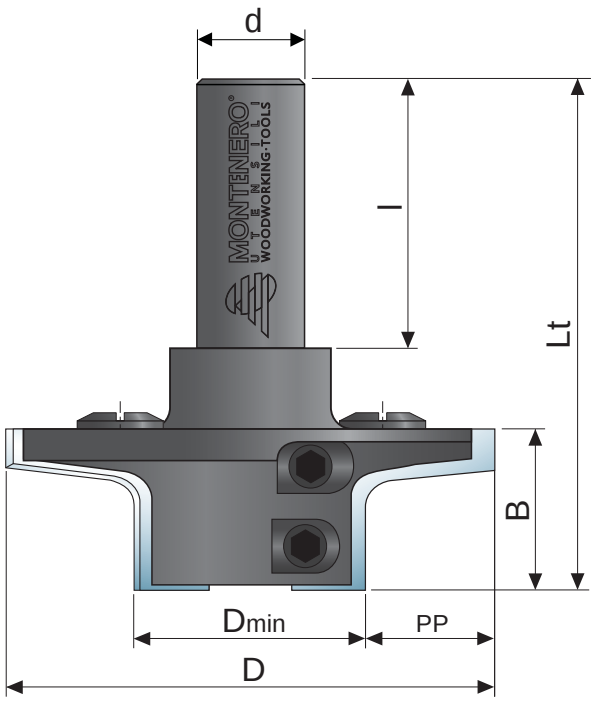


AP11005



AP11006







FRESA MULTIPROFILO PER SAGOME INTERNE - COLTELLO BIFACCIALE

Multi-profile cutter for internal profiles - Double-sided knife
Multiprofilfräser für Innenprofile - Beidseitiges Messer
Fresa multiperfil para perfiles interiores - Cuchilla bilateral

MATERIALE : MDF - MATERIE PLASTICHE

Material : MDF - Plastic materials
Werkstoff : MDF - Plastikstoffe
Material : MDF - Materiales plásticos

I COLTELLI NON SONO COMPRESI (vedi tabella COLTELLI STANDARD)

The knives not included
(see table STANDARD KNIVES)

CODICE CODE	D *mm*	B *mm*	PP Max *mm*	Lt *mm*	ATTACCO / SHANK *d mm*	ATTACCO / SHANK *l mm*	Z
AP12001	28	25	12-17-22	82-87-92	12	50	2
AP12002	28	25	12-17-22	82-87-92	16	50	2
AP12003	49	30 / 42	12-17-22	94-99-104	20	50	2
AP12004	49	30 / 42	12-17-22	94-99-104	25	50	2
AP12005	106	80 / 90 / 100	12-17-22	104-109-114	20	50	2

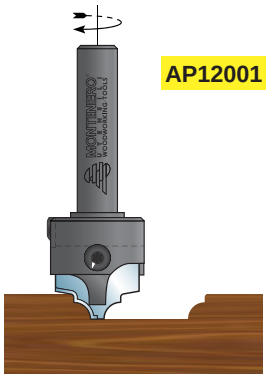
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AP120 01	02	03	04	05
Viti di Riferimento / Positioning Screw	M3,5 x 4 Ø9	**VT029**	1	1	1	1	1
Vite per coltello / Knife's Screw	M3,5 x 10 Ø7,5	**VT031**	1	1	2	2	2
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1	1

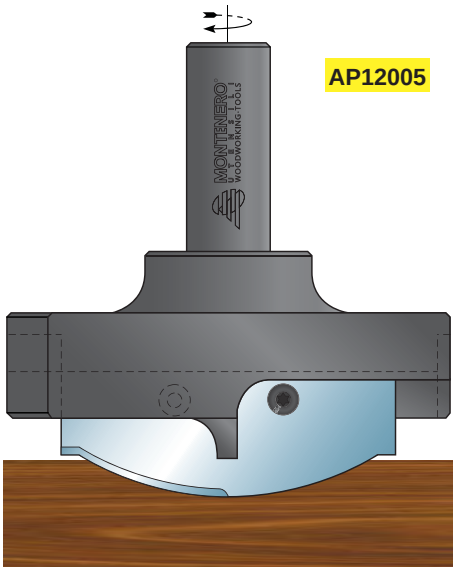
COLTELLI STANDARD / Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE AP120 01	02	03	04	05
Coltello Sagomato / Profilated Knife	25 x 25 x 2	**CSAP078**	1	1	/	/	/
Coltello Sagomato / Profilated Knife	25 x 30 x 2	**CSAP079**	1	1	/	/	/
Coltello Sagomato / Profilated Knife	25 x 35 x 2	**CSAP080**	1	1	/	/	/
Coltello Sagomato / Profilated Knife	30 x 25 x 2	**CSAP081**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	30 x 30 x 2	**CSAP082**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	30 x 35 x 2	**CSAP083**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	42 x 25 x 2	**CSAP084**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	42 x 30 x 2	**CSAP085**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	42 x 35 x 2	**CSAP086**	/	/	1	1	/
Coltello Sagomato / Profilated Knife	80 x 25 x 2	**CSAP087**	/	/	/	/	1
Coltello Sagomato / Profilated Knife	80 x 30 x 2	**CSAP088**	/	/	/	/	1
Coltello Sagomato / Profilated Knife	80 x 35 x 2	**CSAP089**	/	/	/	/	1
Coltello Sagomato / Profilated Knife	100 x 25 x 2	**CSAP090**	/	/	/	/	1
Coltello Sagomato / Profilated Knife	100 x 30 x 2	**CSAP091**	/	/	/	/	1
Coltello Sagomato / Profilated Knife	100 x 35 x 2	**CSAP092**	/	/	/	/	1

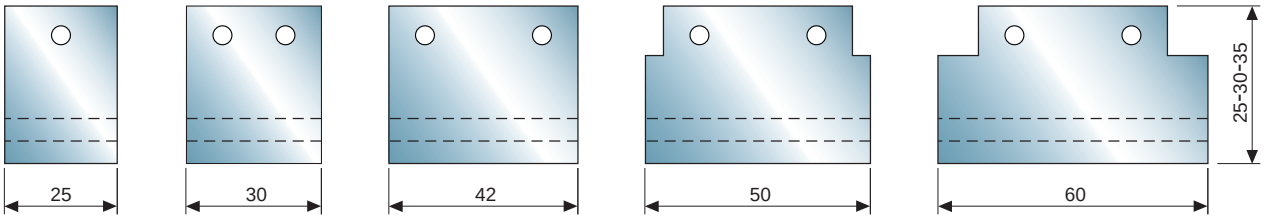
ESEMPI DI LAVORAZIONE
Working Example

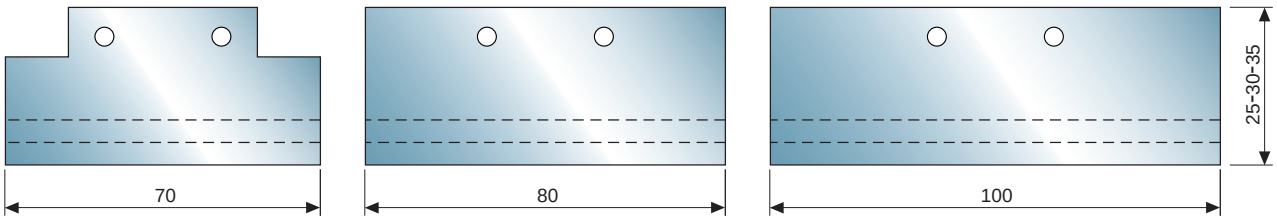

AP12001

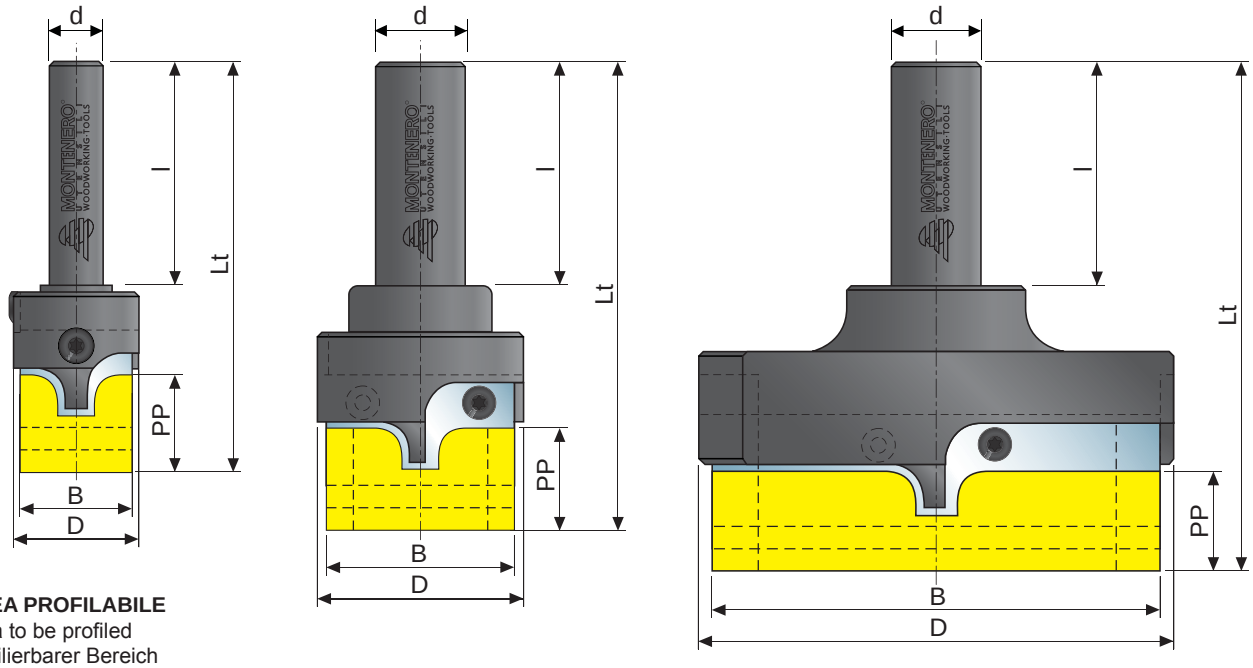

AP12003


AP12005

COLTELLI
Knife







AREA PROFILABILE
Area to be profiled
Profilierbarer Bereich
Área a perfilar



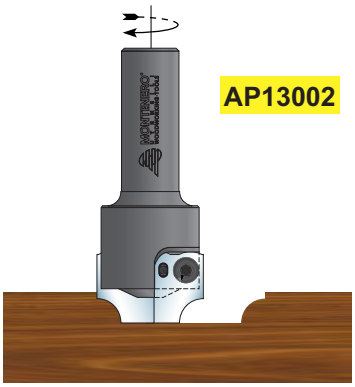
FRESA MULTIPROFILO PER SAGOME INTERNE - COLTELLO FIX

Multi-profile cutter for internal profiles - Knife FIX
Multiprofilfräser für Innenprofile - Messer FIX
Fresa multiperfil para perfiles interiores - Cuchilla FIX

I COLTELLI NON SONO INCLUSI NELLA FRESA
Knives are not included with the cutter
Die Köpfe werden ohne Messer gelifert
Los cabezales vienen sin cuchillas

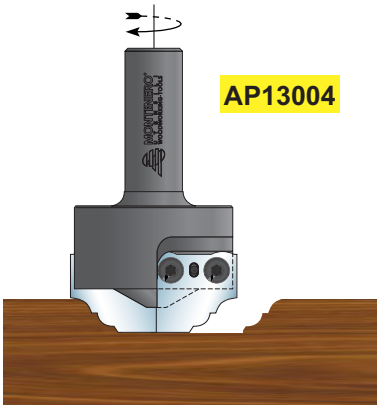
CODICE CODE	D mm	B mm	PP max mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP13001	27	25	11	95	20 / 25	50	2
AP13002	37	25	11	95	20 / 25	50	2
AP13003	47	25	11	95	20 / 25	50	2
AP13004	58	25	11	95	20 / 25	50	2

ESEMPI DI LAVORAZIONE
Working Example

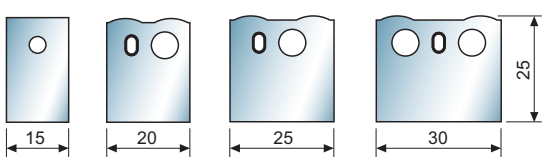


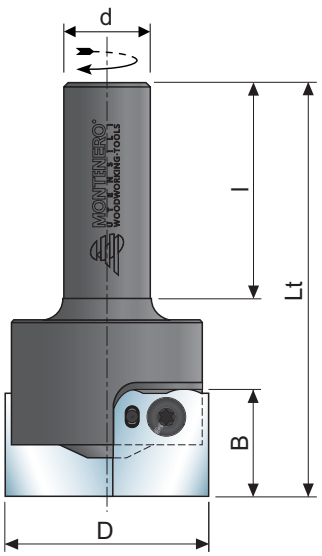
AP13002

DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP130** 01	02	03	04
Coltelli / Knife	15 x 25 x 2	**CSAP093**	2	/	/	/
Coltelli FIX / Knife FIX	20 x 25 x 2	**CSAP094**	/	2	/	/
Coltelli FIX / Knife FIX	25 x 25 x 2	**CSAP095**	/	/	2	/
Coltelli FIX / Knife FIX	30 x 25 x 2	**CSAP096**	/	/	/	2
Vite per coltello / Knife's Screw	M3,5 x 6,2 Ø9	**VT029**	2	/	2	/
Vite per coltello / Knife's Screw	M4 x 8,3 Ø7,5	**VT013**	/	2	/	/
Vite per coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	/	/	/	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	/
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	/	/	/	1



AP13004





MONTENERO WOODWORKING·TOOLS

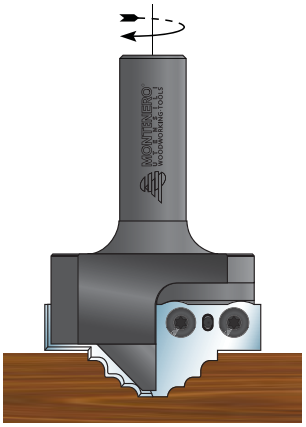
FRESA PROFILATA PER SAGOME INTERNE

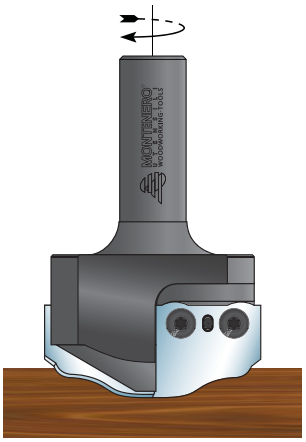
Profiled cutter for internal profiles
Profilfräser für Innenprofile
Fresa perfilada para perfiles interiores

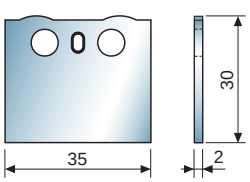


CODICE CODE	D max mm	B mm	PP mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP14001	68	30	20	103	20 / 25	50	2

ESEMPI DI LAVORAZIONE
Working Example

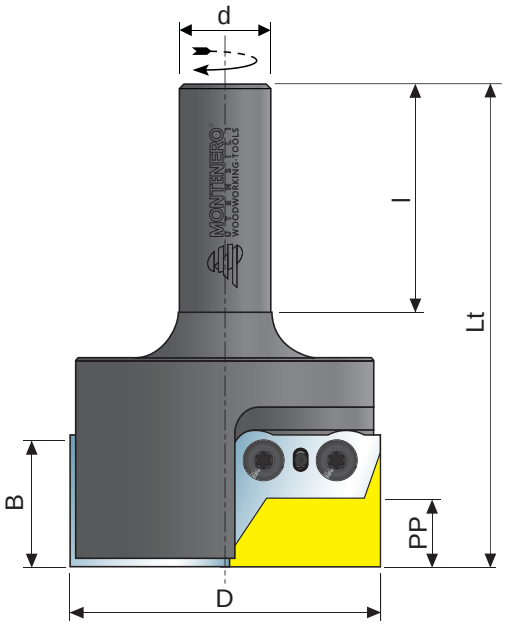






DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE AP140** **01**
Coltelli FIX / Knife FIX	35 x 30 x 2	**CSAP097**	2
Vite per coltello / Knife's Screw	M5 x 10,2 Ø10,5	**VT004**	/
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1

AREA PROFILABILE
Area to be profiled
Profilierbarer Bereich
Área a perfilar





FRESA MULTIPROFILO CON CON CONTROPLACCHE

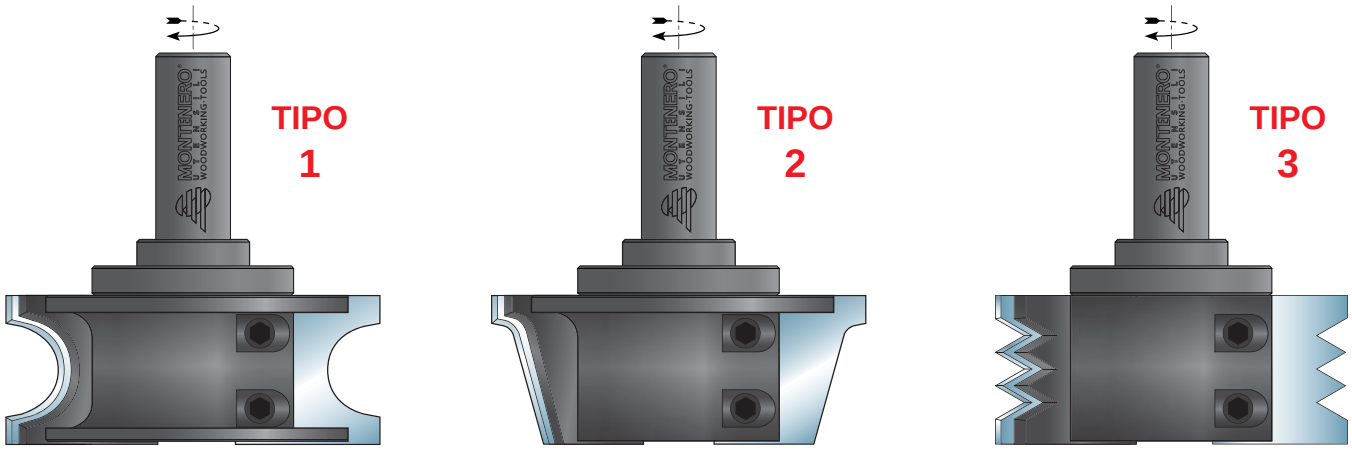
Multi-profile cutter with counter plates
Multiprofilfräser mit Stütze
Fresa multiperfil con soporte

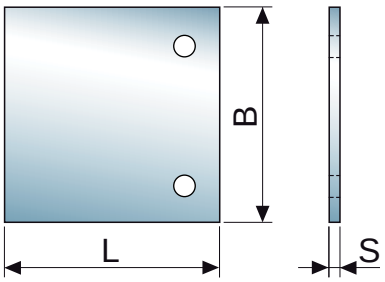
CODICE CODE	D min. mm	D max. mm	B mm	PP Max mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	TIPO TYPE
AP15001	54	108	40	10 ÷ 25	20	50	2	**1**
AP15002	54	108	40	10 ÷ 25	20	50	2	**2**
AP15003	54	108	40	10 ÷ 25	20	50	2	**3**
AP15004	54	108	60	10 ÷ 25	20	50	2	**1**
AP15005	54	108	60	10 ÷ 25	20	50	2	**2**
AP15006	54	108	60	10 ÷ 25	20	50	2	**3**
AP15007	54	108	80	10 ÷ 25	20	50	2	**1**
AP15008	54	108	80	10 ÷ 25	20	50	2	**2**
AP15009	54	108	80	10 ÷ 25	20	50	2	**3**

DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP150**		
			01/02/03	**04/05/06**	**07/08/09**
Cuneo / Wedge	38 x 25 x 8	**CU151**	2	/	/
Cuneo / Wedge	58 x 25 x 8	**CU152**	/	2	/
Cuneo / Wedge	78 x 25 x 8	**CU153**	/	/	2
Vite per cuneo / Wedge's Screw	M8 x 16	**VT005**	4	4	6
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1	1	1

ATTENZIONE : I CUNEI VARIANO A SECONDA DEL TIPO DI AP150 (Es. TIPO 1, TIPO 2 o TIPO 3)
ATTENTION : Wedges vary according to the type of AP150 (e.g. TYPE 1, TYPE 2, TYPE 3)
ACHTUNG : Keile sind je nach AP150 typ unterschiedlich (z.b. TYP 1, TYP 2, TYP 3)
ATENCIÓN : Cuñas varían en función del tipo de AP150 (eg. TIPO 1, TIPO 2, TIPO 3)

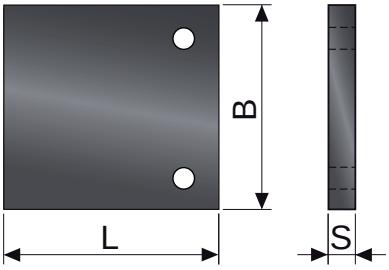
TIPOLOGIA DI UTENSILE
Tool type





COLTELLO
Knife

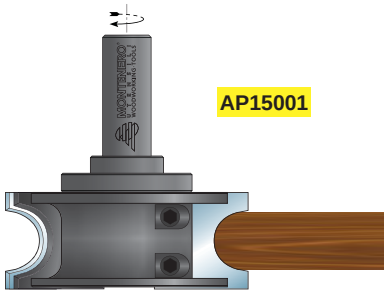
COLTELLI ORDINABILI / Order Knives					
DESCRIZIONE DESCRIPTION	**B x L x S** *mm*	**CODICE** CODE	**CODICE AP150**		
			01/02/03	**04/05/06**	**07/08/09**
Coltello / Knife	40 x 30 x 2	**CSAP098**	2	/	/
Coltello / Knife	40 x 35 x 2	**CSAP099**	2	/	/
Coltello / Knife	40 x 40 x 2	**CSAP100**	2	/	/
Coltello / Knife	40 x 45 x 2	**CSAP101**	2	/	/
Coltello / Knife	60 x 30 x 2	**CSAP102**	/	2	/
Coltello / Knife	60 x 35 x 2	**CSAP103**	/	2	/
Coltello / Knife	60 x 40 x 2	**CSAP104**	/	2	/
Coltello / Knife	60 x 45 x 2	**CSAP105**	/	2	/
Coltello / Knife	80 x 30 x 2	**CSAP106**	/	/	2
Coltello / Knife	80 x 35 x 2	**CSAP107**	/	/	2
Coltello / Knife	80 x 40 x 2	**CSAP108**	/	/	2
Coltello / Knife	80 x 45 x 2	**CSAP109**	/	/	2

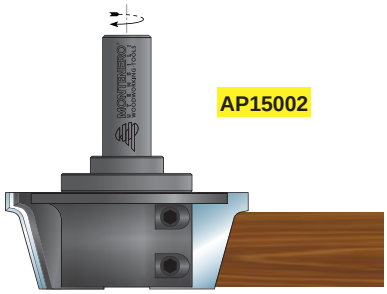


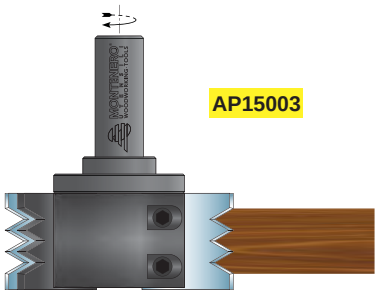
SUPPORTO
Support Plate

SUPPORTI ORDINABILI / Order Support Plate					
DESCRIZIONE DESCRIPTION	**B x L x S** *mm*	**CODICE** CODE	**CODICE AP150**		
			01/02/03	**04/05/06**	**07/08/09**
Supporto / Support Plate	40 x 30 x 5	**SU031**	2	/	/
Supporto / Support Plate	40 x 35 x 5	**SU032**	2	/	/
Supporto / Support Plate	40 x 40 x 5	**SU033**	2	/	/
Supporto / Support Plate	40 x 45 x 5	**SU034**	2	/	/
Supporto / Support Plate	60 x 30 x 5	**SU035**	/	2	/
Supporto / Support Plate	60 x 35 x 5	**SU036**	/	2	/
Supporto / Support Plate	60 x 40 x 5	**SU037**	/	2	/
Supporto / Support Plate	60 x 45 x 5	**SU038**	/	2	/
Supporto / Support Plate	80 x 30 x 5	**SU039**	/	/	2
Supporto / Support Plate	80 x 35 x 5	**SU040**	/	/	2
Supporto / Support Plate	80 x 40 x 5	**SU041**	/	/	2
Supporto / Support Plate	80 x 45 x 5	**SU042**	/	/	2

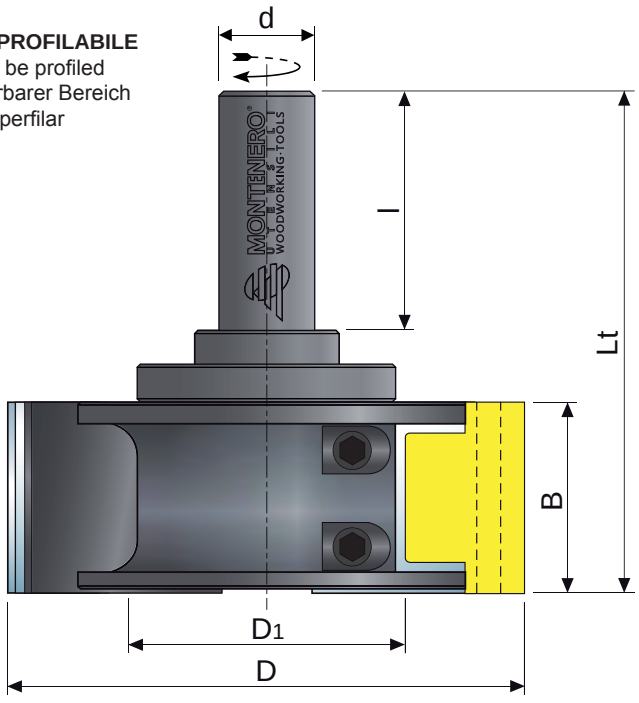
ESEMPI DI LAVORAZIONE
Working Example







AREA PROFILABILE
Area to be profiled
Profilierbarer Bereich
Área a perfilar





FRESA MULTIPROFILO PER CORNICI

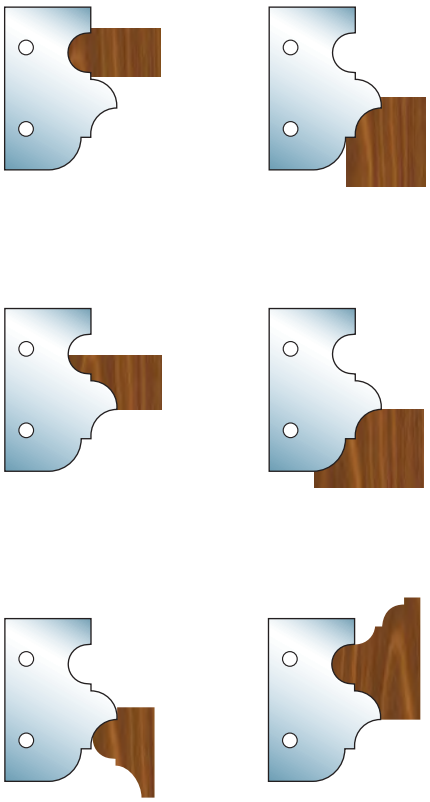
Multi-profile cutter for frames
Multiprofilfräser für Rahmen
Fresa multiperfil por marcos

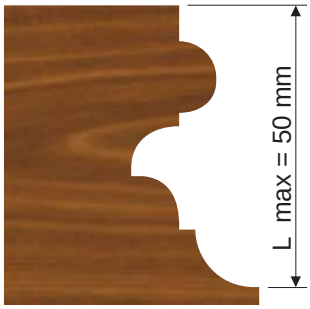
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z
AP16001	100	50	115	20 / 25	50	2

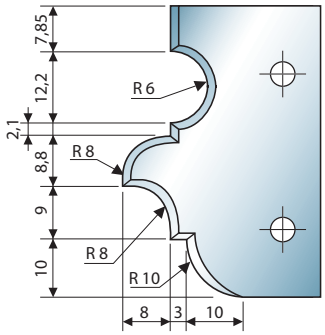
DISTINTA BASE / Bill of Materials

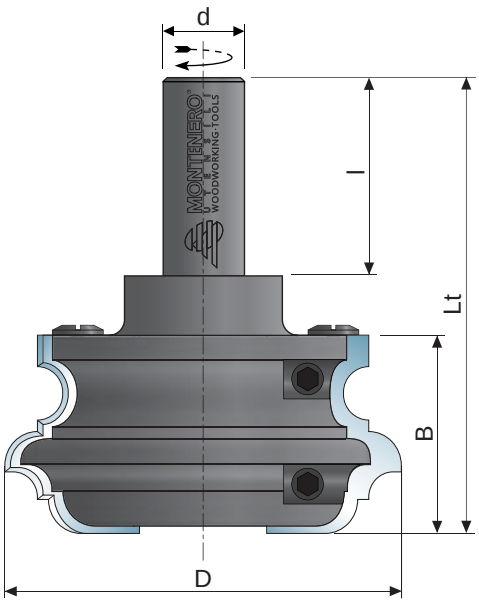
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE AP160** 01
Coltello / Knife	50 x 35 x 3	**CSAP119**	2
Cuneo / Wedge	48 x 15 x 8	**CU130**	2
Vite per Cuneo / Wedge's Screw	M8 x 12	**VT049**	2
Vite per Cuneo / Wedge's Screw	M8 x 16	**VT005**	2
Vite di Riferimento / Positioning Screw	M5 x 7 Ø16	**VT012**	2
Chiave per Cuneo / Wedge's Key	Esagonale 4	**CH004**	1

ESEMPI DI LAVORAZIONE
Working Example









MONTENERO
WOODWORKING·TOOLS

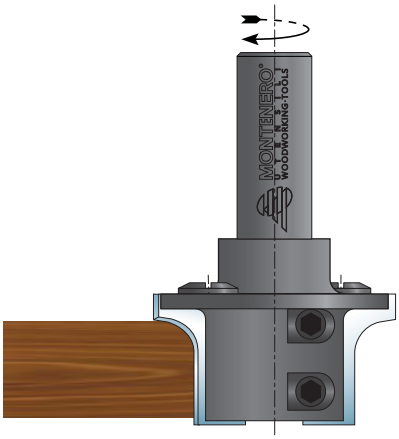


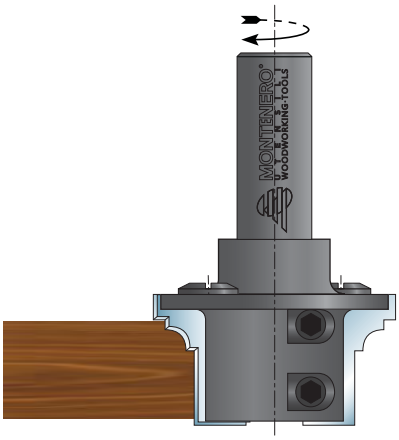
FRESA SAGOMATA CON PROFILO DA 0 A 10 mm

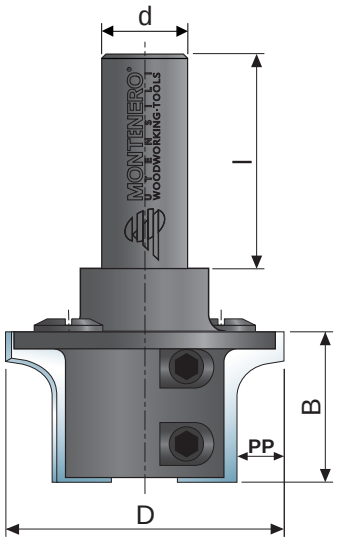
Profiled cutter, from 0 to 10 mm
Profilfräser, vom 0 bis 10 mm
Fresa multiperfil de 0 a 10 mm

CODICE CODE	D mm	B mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	P.P. mm
AP17001	60	20	20	50	2	**da 0 a 10**
AP17002	60	30	20	50	2	**da 0 a 10**
AP17003	60	40	20	50	2	**da 0 a 10**
AP17004	60	50	20	50	2	**da 0 a 10**
AP17005	60	60	20	50	2	**da 0 a 10**
AP17006	70	20	20	50	2	**da 0 a 10**
AP17007	70	30	20	50	2	**da 0 a 10**
AP17008	70	40	20	50	2	**da 0 a 10**
AP17009	70	50	20	50	2	**da 0 a 10**
AP17010	70	60	20	50	2	**da 0 a 10**
AP17011	80	20	20	50	2	**da 0 a 10**
AP17012	80	30	20	50	2	**da 0 a 10**
AP17013	80	40	20	50	2	**da 0 a 10**
AP17014	80	50	20	50	2	**da 0 a 10**
AP17015	80	60	20	50	2	**da 0 a 10**
AP17016	100	20	20	50	2	**da 0 a 10**
AP17017	100	30	20	50	2	**da 0 a 10**
AP17018	100	40	20	50	2	**da 0 a 10**
AP17019	100	50	20	50	2	**da 0 a 10**
AP17020	100	60	20	50	2	**da 0 a 10**
AP17021	120	20	20	50	2	**da 0 a 10**
AP17022	120	30	20	50	2	**da 0 a 10**
AP17023	120	40	20	50	2	**da 0 a 10**
AP17024	120	50	20	50	2	**da 0 a 10**
AP17025	120	60	20	50	2	**da 0 a 10**

ESEMPI DI LAVORAZIONE
Working Example







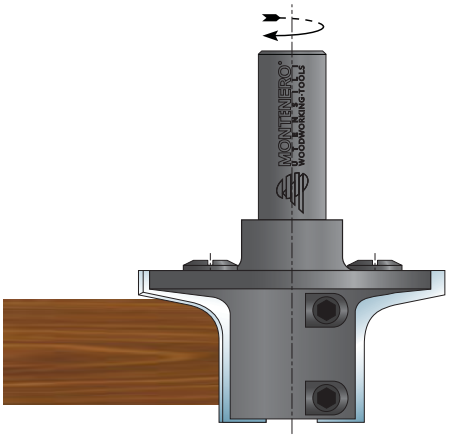


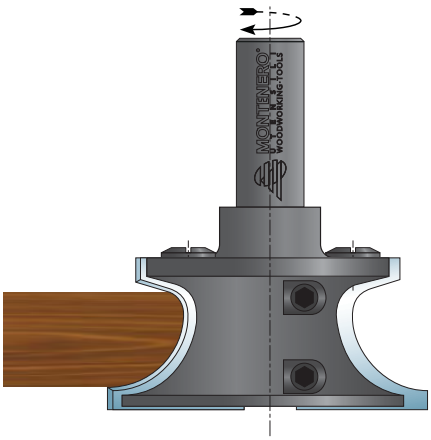
FRESA SAGOMATA CON PROFILO DA 10 A 20 mm

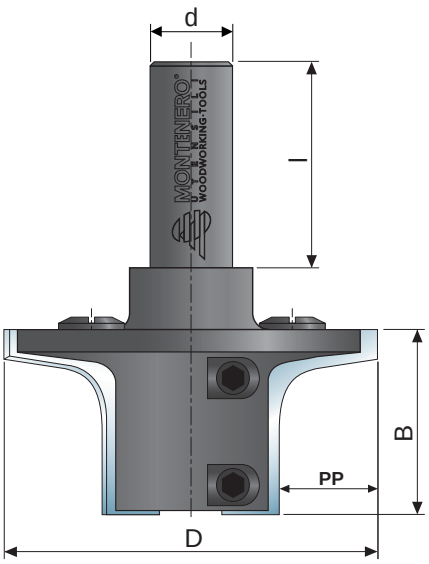
Profiled cutter, from 10 to 20 mm
Profilfräser, vom 10 bis 20 mm
Fresa multiperfil de 10 a 20 mm

CODICE CODE	D mm	B mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	P.P. mm
AP18001	60	20	20	50	2	**da 10 a 20**
AP18002	60	30	20	50	2	**da 10 a 20**
AP18003	60	40	20	50	2	**da 10 a 20**
AP18004	60	50	20	50	2	**da 10 a 20**
AP18005	60	60	20	50	2	**da 10 a 20**
AP18006	70	20	20	50	2	**da 10 a 20**
AP18007	70	30	20	50	2	**da 10 a 20**
AP18008	70	40	20	50	2	**da 10 a 20**
AP18009	70	50	20	50	2	**da 10 a 20**
AP18010	70	60	20	50	2	**da 10 a 20**
AP18011	80	20	20	50	2	**da 10 a 20**
AP18012	80	30	20	50	2	**da 10 a 20**
AP18013	80	40	20	50	2	**da 10 a 20**
AP18014	80	50	20	50	2	**da 10 a 20**
AP18015	80	60	20	50	2	**da 10 a 20**
AP18016	100	20	20	50	2	**da 10 a 20**
AP18017	100	30	20	50	2	**da 10 a 20**
AP18018	100	40	20	50	2	**da 10 a 20**
AP18019	100	50	20	50	2	**da 10 a 20**
AP18020	100	60	20	50	2	**da 10 a 20**
AP18021	120	20	20	50	2	**da 10 a 20**
AP18022	120	30	20	50	2	**da 10 a 20**
AP18023	120	40	20	50	2	**da 10 a 20**
AP18024	120	50	20	50	2	**da 10 a 20**
AP18025	120	60	20	50	2	**da 10 a 20**

ESEMPI DI LAVORAZIONE
Working Example



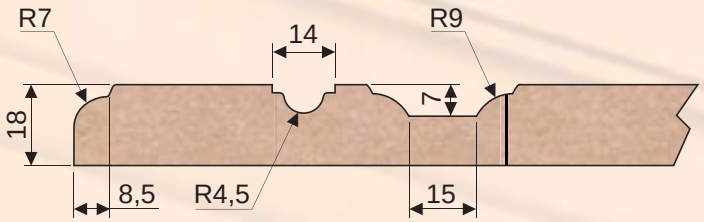




MONTENERO WOODWORKING·TOOLS

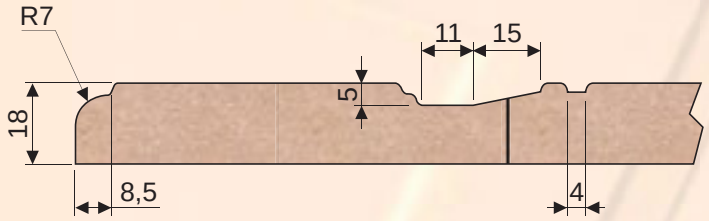
KIT PER ANTINE
KIT FOR CABINET
KIT FÜR TÜREN
KIT PARA PUERTAS

PRIMAVERA



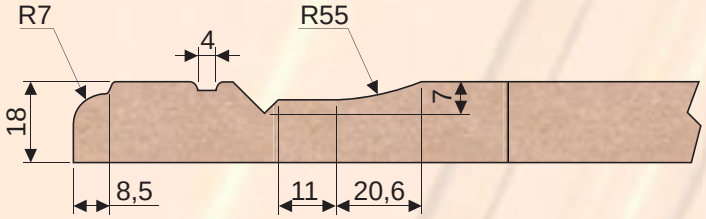
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ESTATE



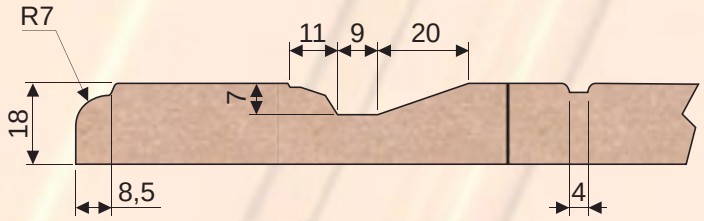
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332

INVERNO



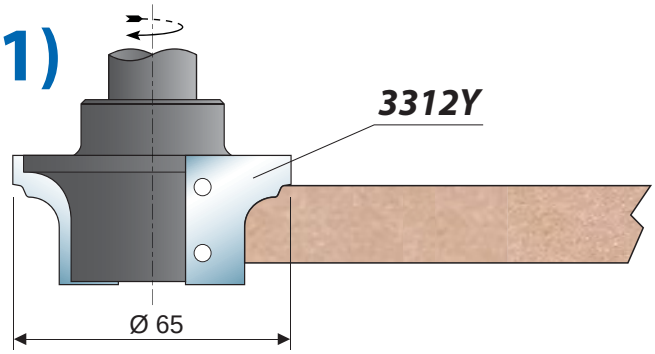
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PRIMAVERA

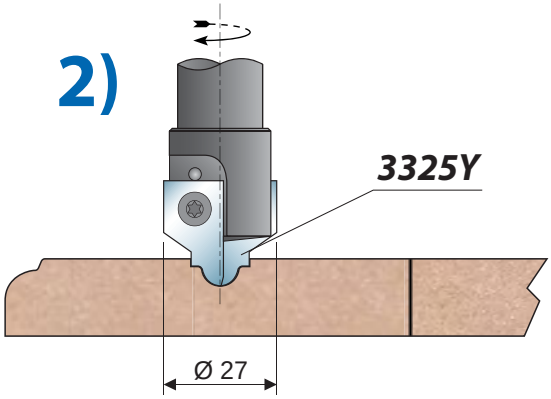


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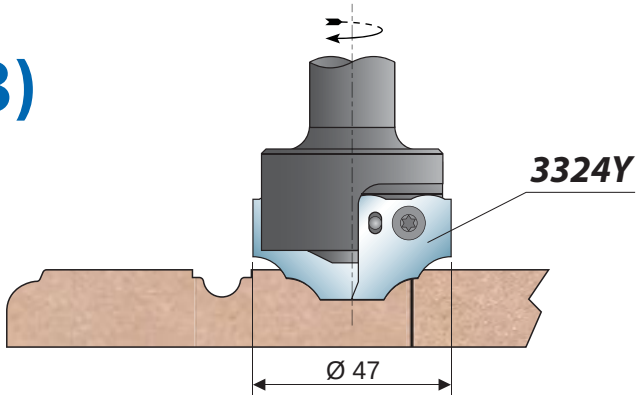
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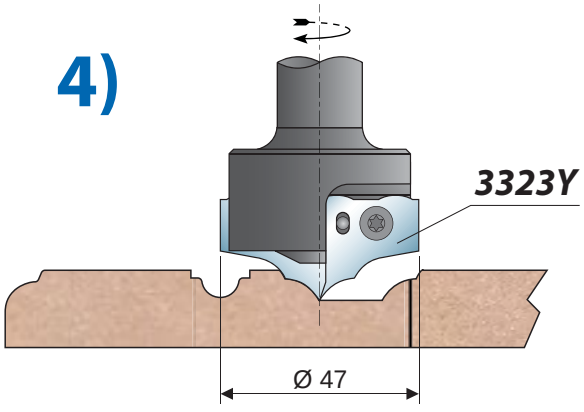
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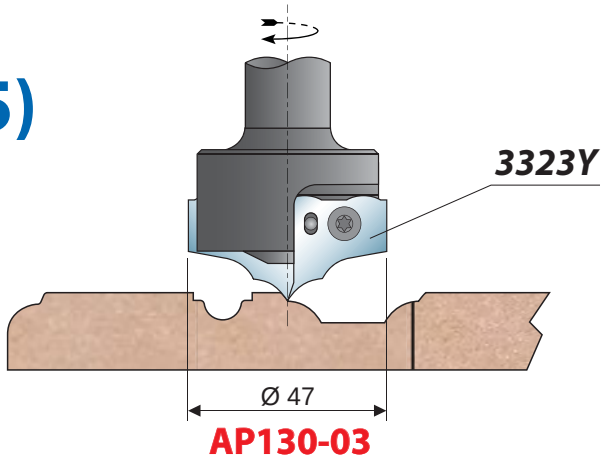
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4)



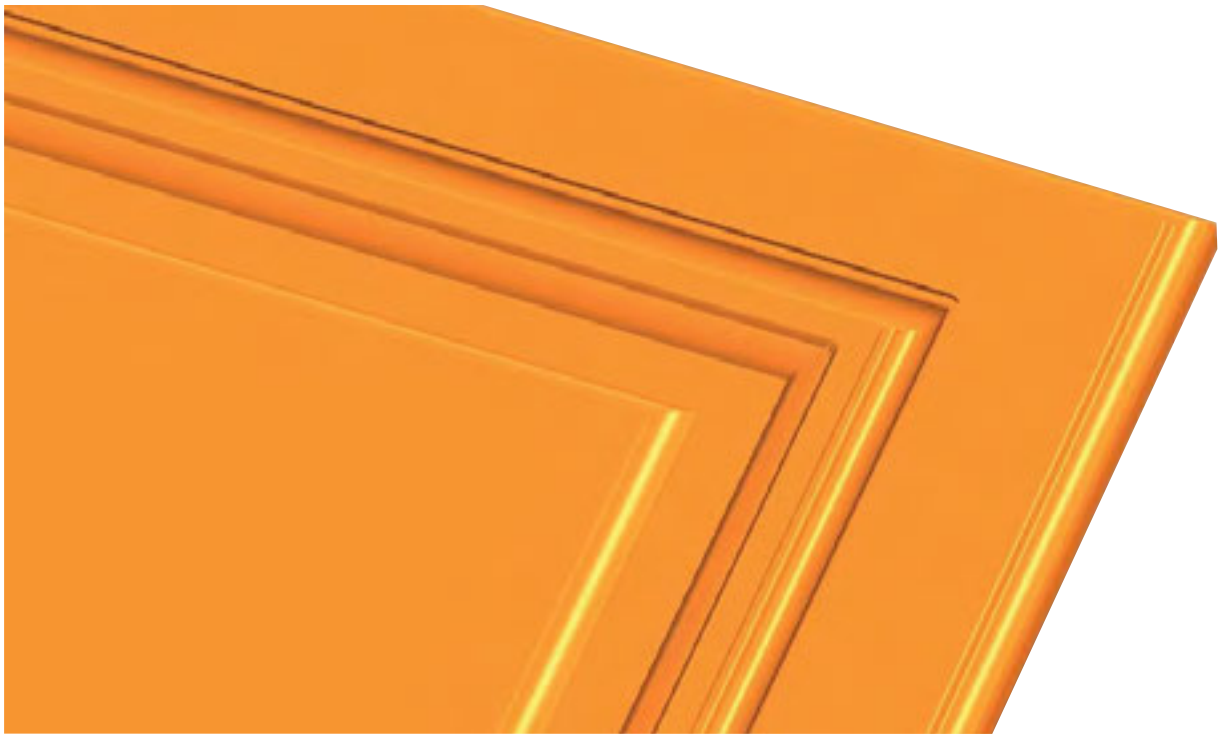
AP130-03

5)



AP130-03

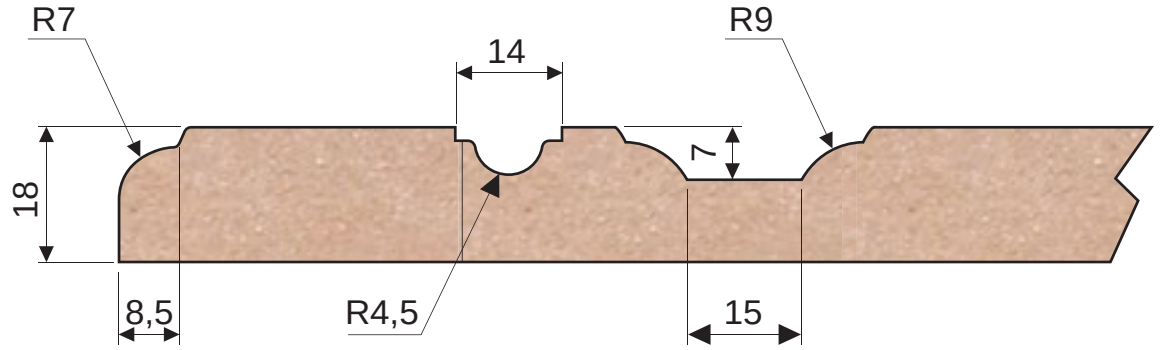
MONTENERO
WOODWORKING·TOOLS



CONTENUTO
CONTENT - INHALT - CONTENIDO

- AP110-01	Ø65x30 Z2 att.20x50	1 Pz.
- AP130-03	Ø47x25 Z2 att.20x50	3 Pz.
- AP130-01	Ø27x25 Z2 att.20x50	1 Pz.

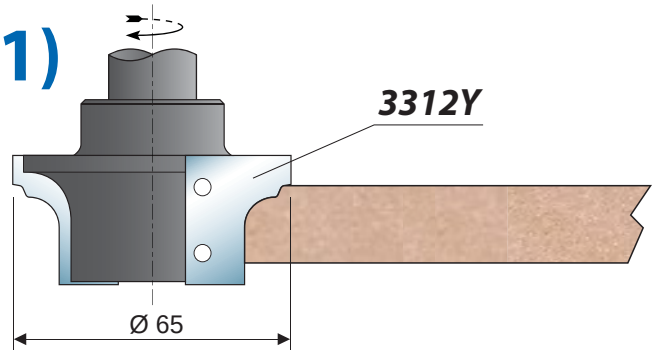
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PROFILE - PROFIL - PERFIL



ESTATE

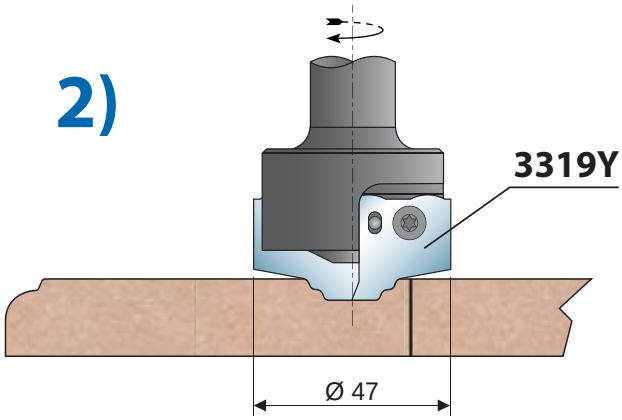


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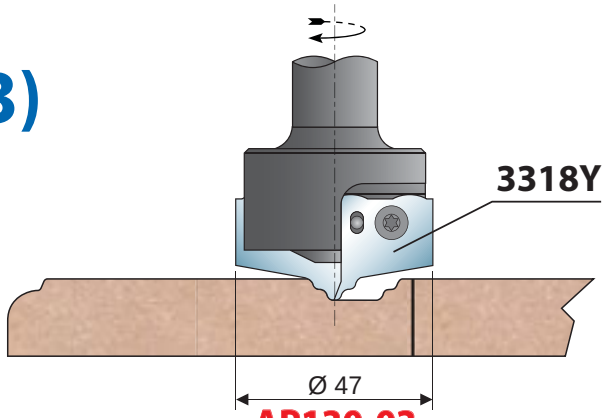
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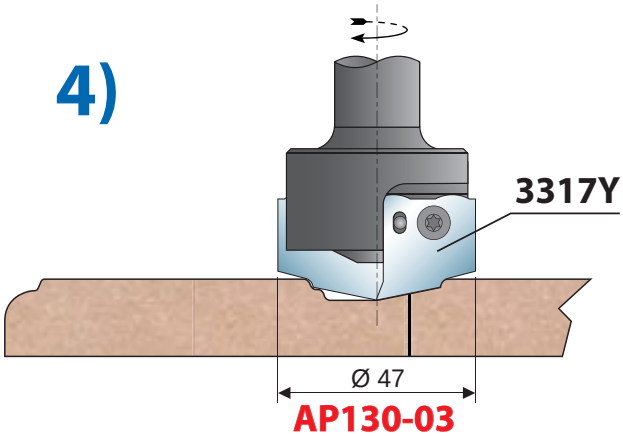
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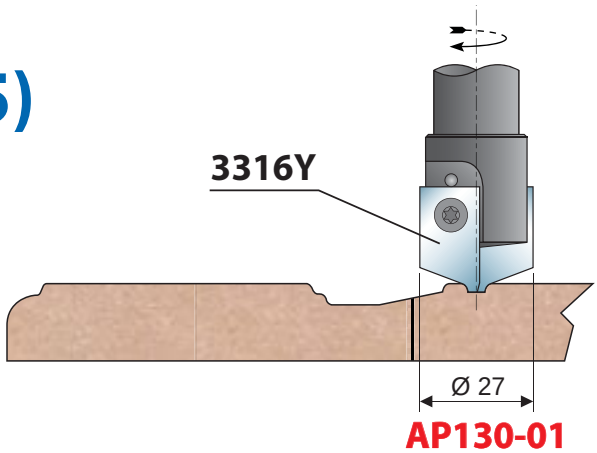
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AP130-03

5)



AP130-01

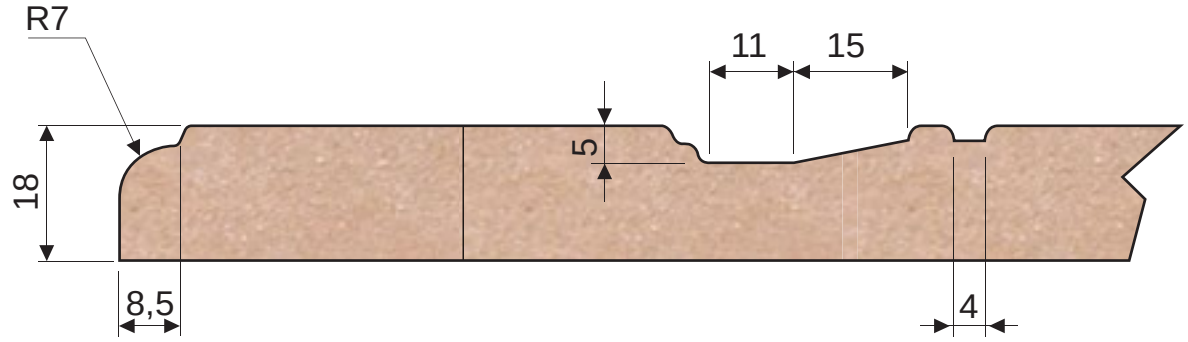
MONTENERO
WOODWORKING·TOOLS



CONTENUTO
CONTENT - INHALT - CONTENIDO

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- AP130-01	Ø27x25 Z2 att.20x50	1 Pz.

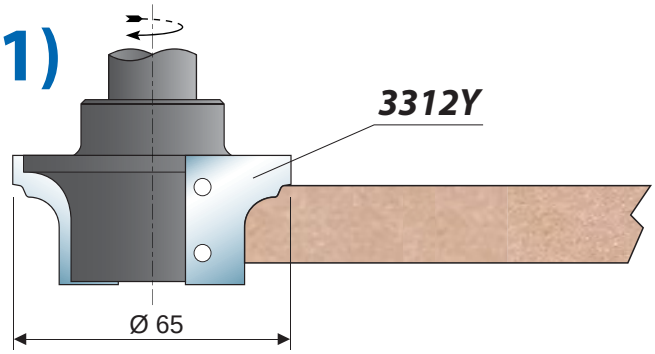
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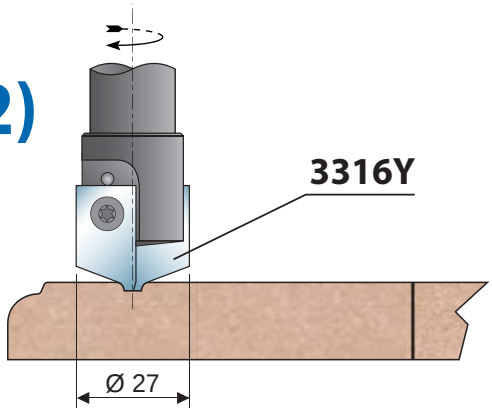


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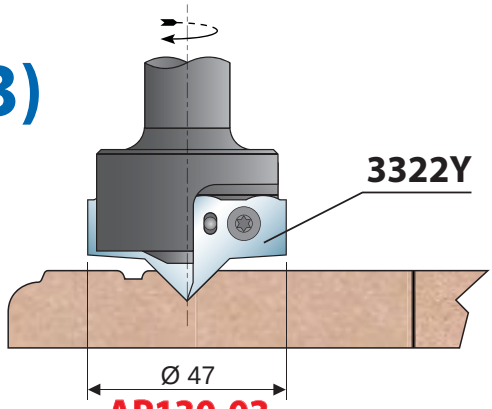
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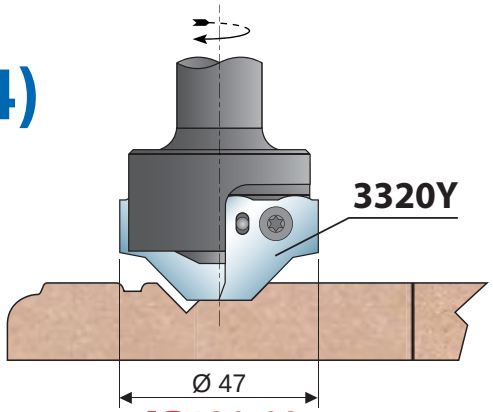
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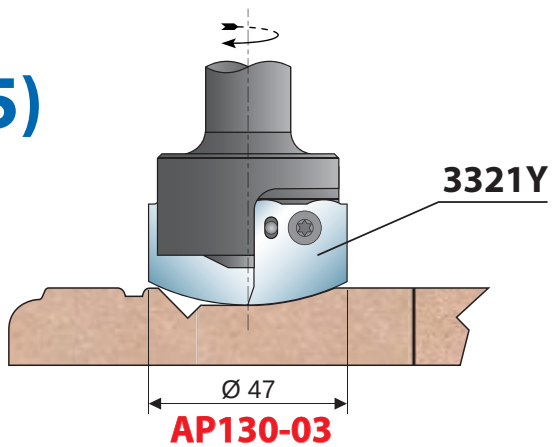
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AP130-03

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AP130-03

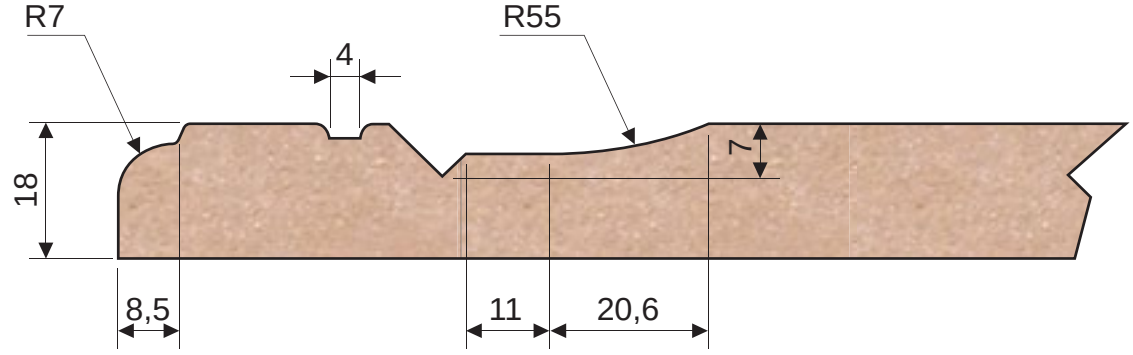
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WOODWORKING·TOOLS



CONTENUTO
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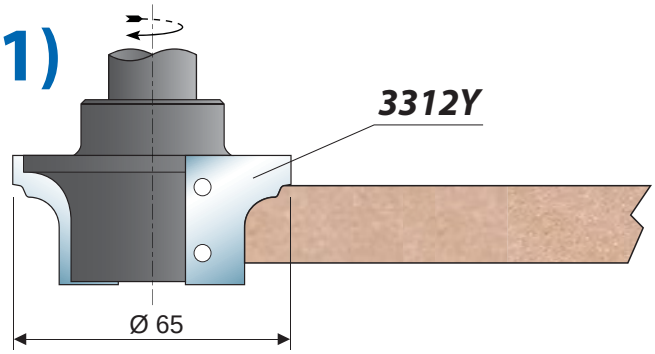
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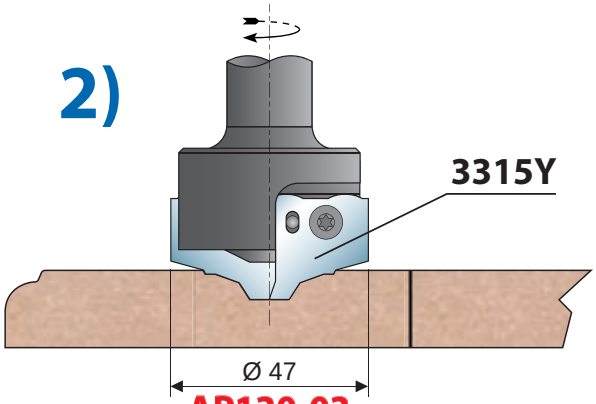


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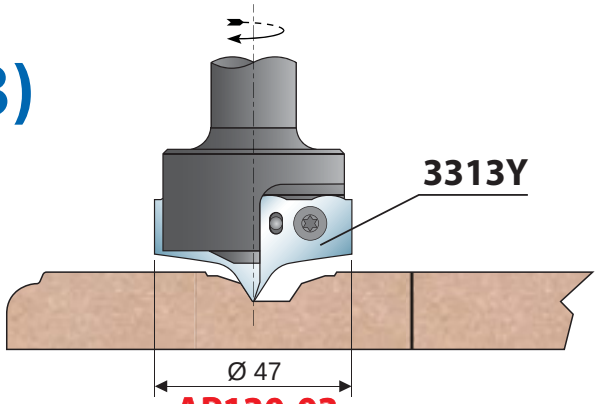
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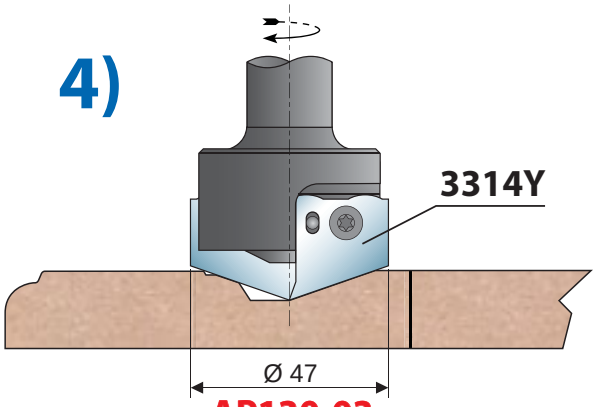
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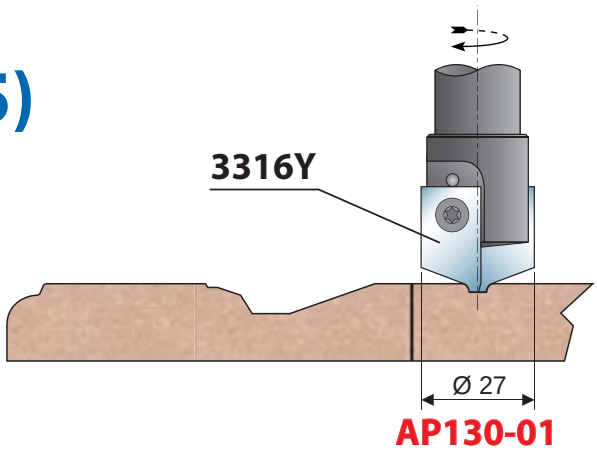
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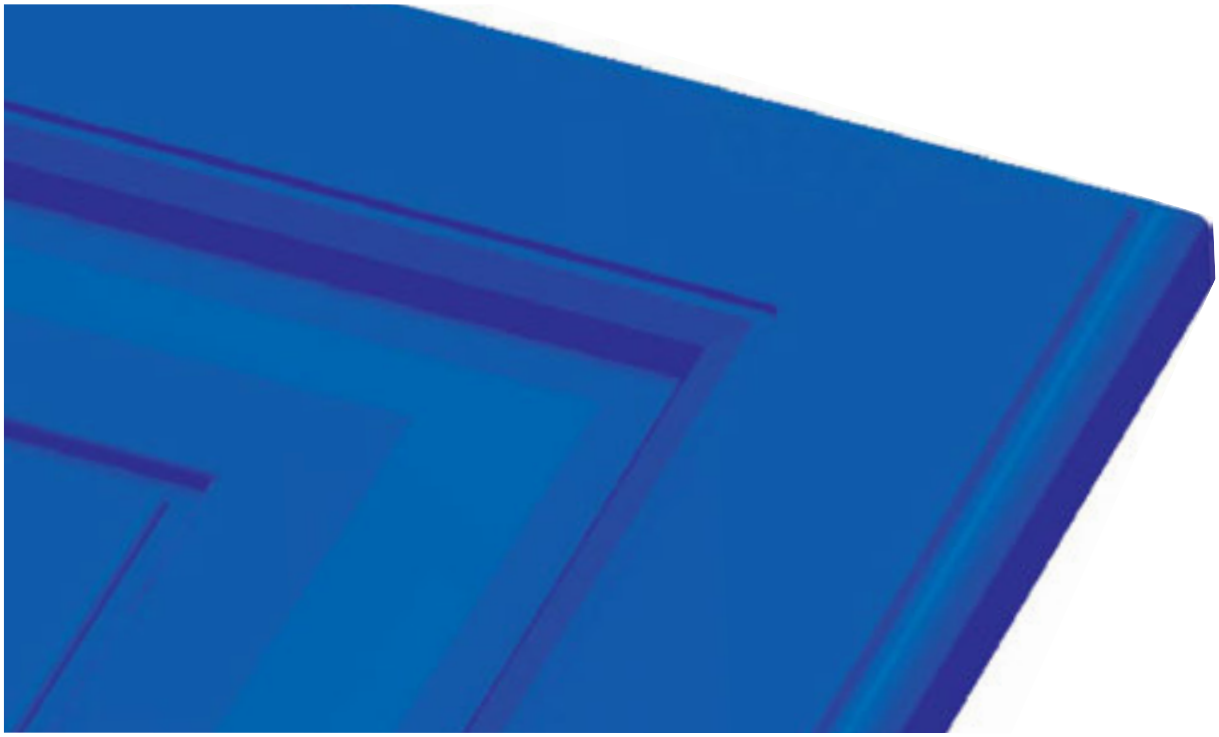
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AP130-01

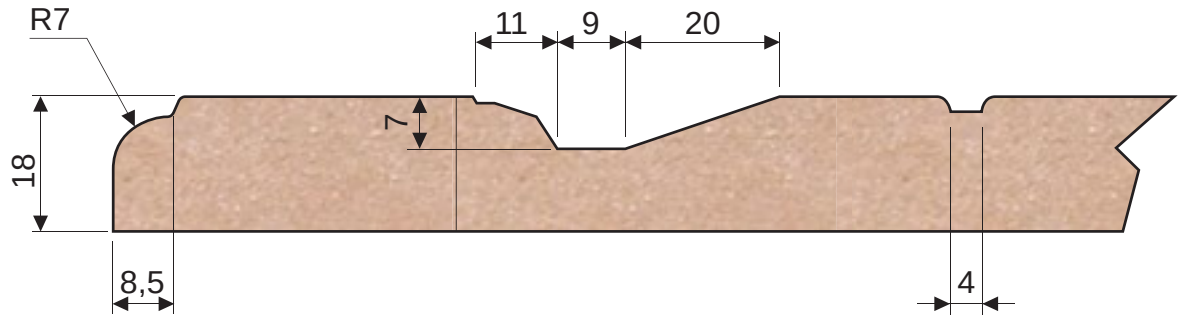
MONTENERO
WOODWORKING·TOOLS



CONTENUTO
CONTENT - INHALT - CONTENIDO

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- AP130-01	Ø27x25 Z2 att.20x50	1 Pz.

PROFILO
PROFILE - PROFIL - PERFIL

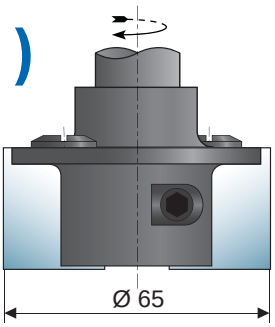


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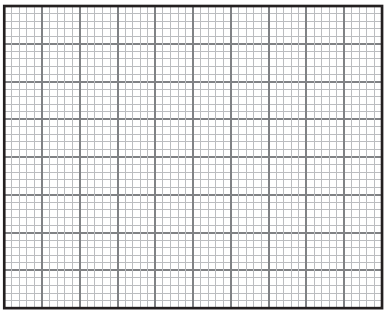
CUSTOM KIT
PERSONALISIERT KIT
KIT PERSONALIZADA



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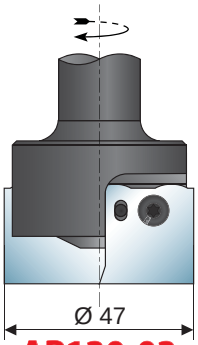


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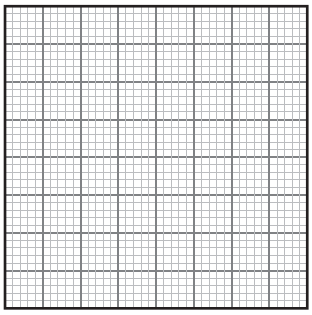


50x35x2 MAX.

2)

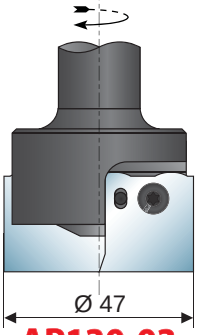


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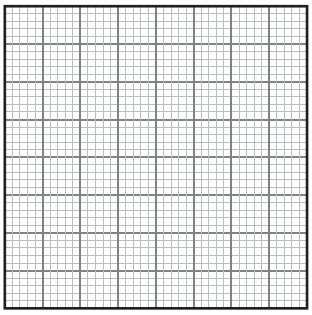


30x25x2 MAX.

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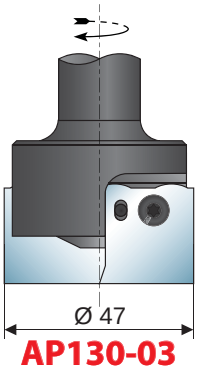


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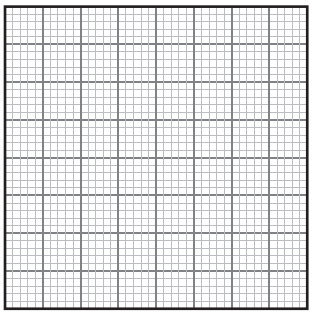


30x25x2 MAX.

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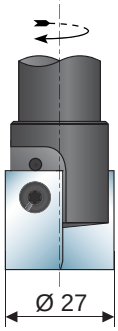


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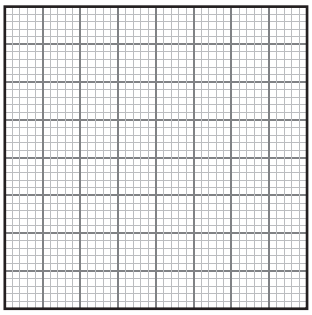


30x25x2 MAX.

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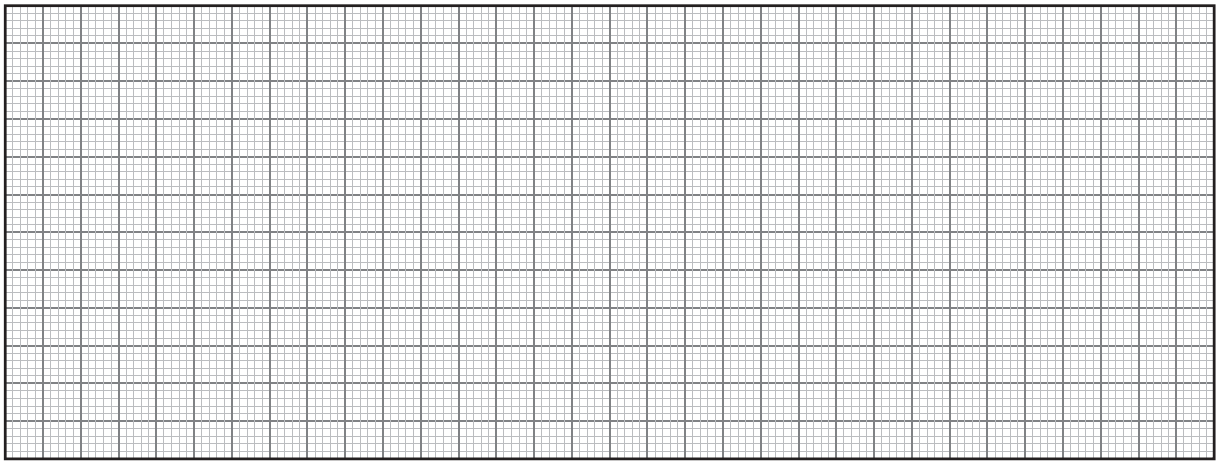
AP130-01



15x25x2 MAX.

PROFILO ANTINA

CABINET PROFILE - TUREN - PARA PUERTAS



MONTENERO
WOODWORKING·TOOLS

FRESE TR

TR CUTTERHEADS
TR FRÄSER
FRESAS TR



MONTENERO
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HW Helical cutter Z3 • HW Spiralförmiger Schlichtfräser Z3 Broca elicoidale HW Z3		



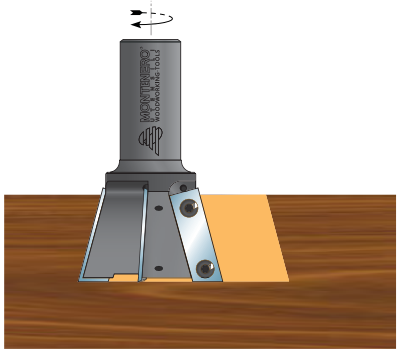
FRESA A CODA DI RONDINE Z3

Dovetail router bit for joints Z3
Schwalbenschwanz-Fräser Z3
Broca de cola de Milano Z3

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
TR01001	60	38,5	100	20	50	3	R
TR01002	60	38,5	100	20	50	3	L
TR01003	60	38,5	100	25	50	3	R
TR01004	60	38,5	100	25	50	3	L

ESEMPI DI LAVORAZIONE
Working Example

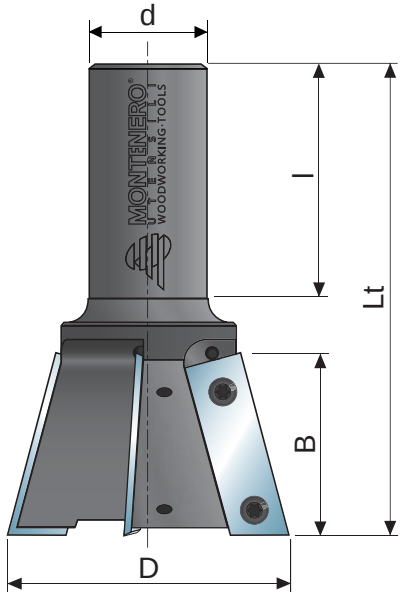






DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR010 01/03	CODICE TR010 02/04
Coltello / Knife	40 x 12 x 1,5	**CRN01**	3	/
Coltello / Knife	40 x 12 x 1,5	**CRN02**	/	3
Vite per Coltello / Knife's Screw	M3,5 x 10 Ø7,5	**VT031**	6	6
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1





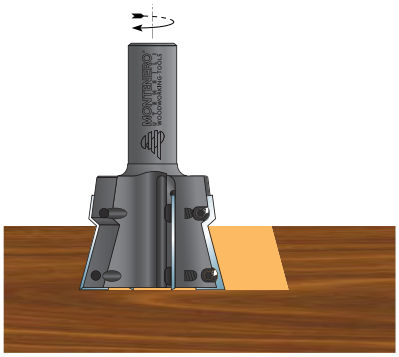
FRESA A CODA DI RONDINE Z4 - B=39 MM

Dovetail router bit for joints Z4 - B=39 mm
Schwalbenschwanz-Fräser Z4 - B=39 mm
Broca de cola de Milano Z4 - B=39 mm

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
TR02001	60	38	102	20	50	4	R
TR02002	60	38	102	20	50	4	L
TR02003	60	38	102	20	50	4 + RT	R
TR02004	60	38	102	20	50	4 + RT	L
TR02005	60	38	116	30	53	4	R
TR02006	60	38	116	30	53	4	L
TR02007	60	38	116	30	53	4 + RT	R
TR02008	60	38	116	30	53	4 + RT	L

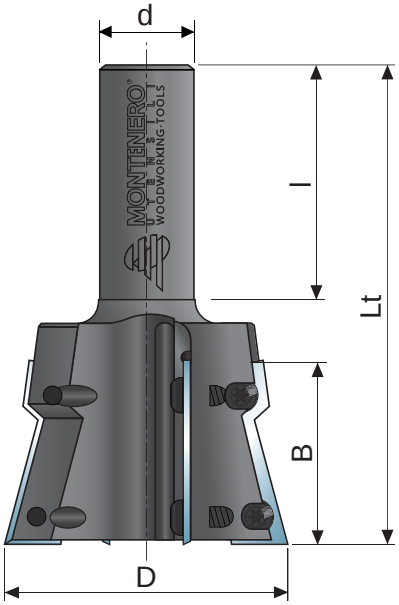
ESEMPI DI LAVORAZIONE
Working Example







DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR020			
			01/05	02/06	03/07	04/08
Coltello / Knife	39,5 x 12 x 1,5	**CRN03**	4	/	/	/
Coltello / Knife	39,5 x 12 x 1,5	**CRN04**	/	4	/	/
Coltello RT / Knife RT	39,5 x 12 x 1,5	**CRN05**	/	/	4	/
Coltello RT / Knife RT	39,5 x 12 x 1,5	**CRN06**	/	/	/	4
Vite per Coltello / Knife's Screw	M3,5 x 10 Ø7,5	**VT031**	8	8	8	8
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1



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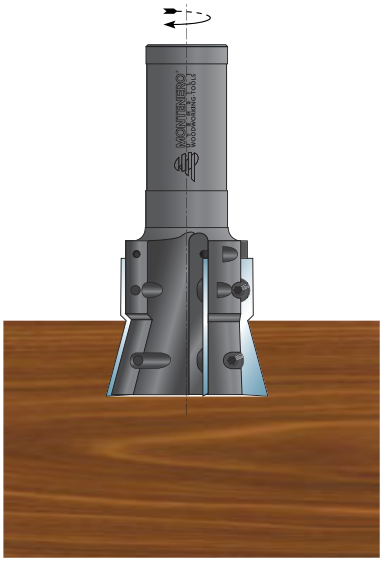
FRESA A CODA DI RONDINE Z4 - B=51 mm

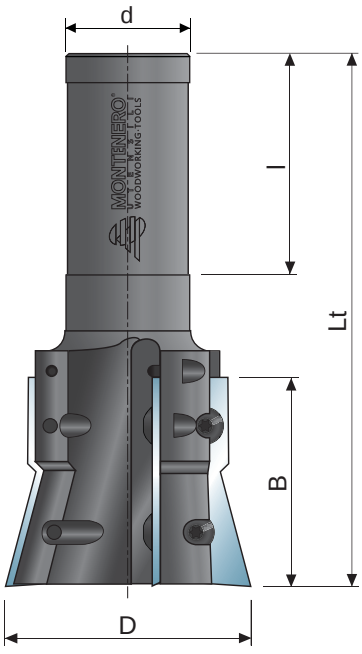
Dovetail router bit for joints Z4 - B=51 mm
Schwalbenschwanz-Fräser Z4 - B=51 mm
Broca de cola de Milano Z4 - B=51 mm

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
TR03001	60	51	130	30	53	4	R
TR03002	60	51	130	30	53	4	L

DISTINTA BASE / Bill of Materials				
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE TR030**	
			01	**02**
Coltello / Knife	51 x 21,5 x 2	**CRN07**	4	/
Coltello / Knife	51 x 21,5 x 2	**CRN08**	/	4
Vite per Coltello / Knife's Screw	M3,5 x 4 Ø9	**VT029**	4	4
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1

ESEMPI DI LAVORAZIONE
Working Example







FRESA A CODA DI RONDINE Z4 - d=28 mm

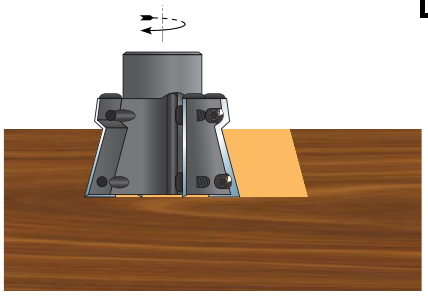
Dovetail router bit for joints Z4 - d=28 mm
Schwalbenschwanz-Fräser Z4 - d=28 mm
Broca de cola de Milano Z4 - d=28 mm

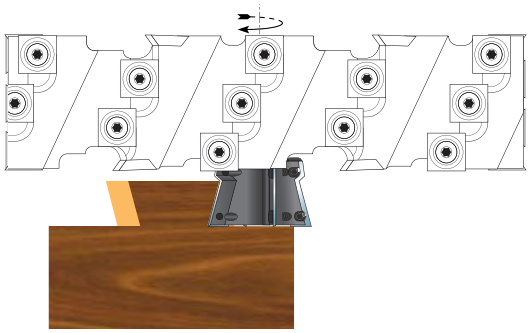
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK d1 mm	Z	ROTAZ. ROTAT.
TR04001	60,8	38	56	28	16,5	4	R
TR04002	60,8	38	56	28	16,5	4	L
TR04003	60,8	38	56	28	16,5	4 + RT	R
TR04004	60,8	38	56	28	16,5	4 + RT	L

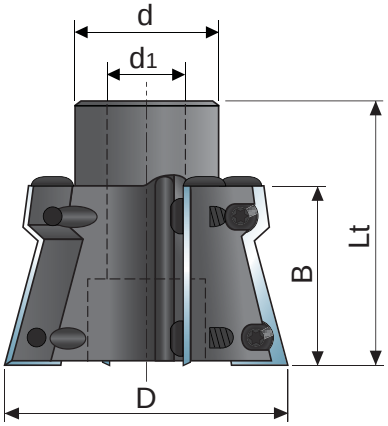
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR040 01	02	03	04
Coltello / Knife	39,5 x 12 x 1,5	**CRN03**	4	/	/	/
Coltello / Knife	39,5 x 12 x 1,5	**CRN04**	/	4	/	/
Coltello RT / Knife RT	39,5 x 12 x 1,5	**CRN05**	/	/	4	/
Coltello RT / Knife RT	39,5 x 12 x 1,5	**CRN06**	/	/	/	4
Vite di Riferimento / Positioning Screw	M4 x 8,3 Ø9	**VT013**	4	4	4	4
Vite per Coltello / Knife's Screw	M3,5 x 10 Ø7,5	**VT031**	8	8	8	8
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1

ESEMPI DI LAVORAZIONE
Working Example







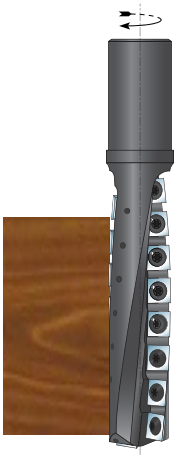


FRESA MULTITAGLIENTE ELICOIDALE Z2 - Ø30/35 mm

Helical multi-cutting cutter Z2 - Ø30/35 mm
Spiralförmiger Mehrschneidiger-Schaftfräser Z2 - 30/35 mm
Broca helicoidal multidientes Z2 - Ø30/35 mm

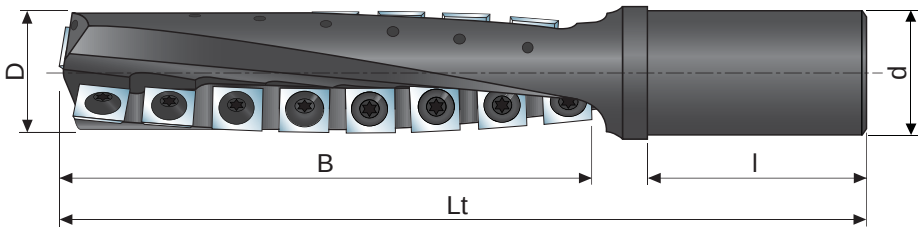
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
TR05001	30	128	195	30	50	2	R
TR05002	30	128	195	30	50	2	L
TR05003	35	105	172	25	55	2	R
TR05004	35	105	172	25	55	2	L

ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials						
DESCRIZIONE DESCRIPTION	**DIMENSIONI** mm	**CODICE** CODE	**CODICE THU050** 01	02	03	04
Coltello / Knife	12 x 12 x 1,5	**CPTB03**	15	15	12	12
Coltello DX / Knife RT	14,3 x 12 x 1,5	**CPTB11**	1	/	/	/
Coltello SX / Knife LT	14,3 x 12 x 1,5	**CPTB12**	/	1	/	/
Coltello DX / Knife RT	17,2 x 12 x 1,5	**CPTB13**	/	/	1	/
Coltello SX / Knife LT	17,2 x 12 x 1,5	**CPTB14**	/	/	/	1
Vite per Coltello / Knife's Screw	M3,5 x 7,3 Ø9	**VT026**	16	16	13	13
Chiave per Coltello / Knife's Key	Torx 15	**TK020**	1	1	1	1





FRESA MULTITAGLIENTE ELICOIDALE Z2 - Ø40 mm

Helical multi-cutting cutter Z2 - Ø40 mm
Spiralförmiger Mehrschneidiger-Schaftfräser Z2 - Ø40 mm
Broca helicoidal multidientes Z2 - Ø40 mm

CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	COLTEL. KNIFE	ROTAZ. ROTAT.
TR06001	30	128	195	30	50	2	**STD**	R
TR06002	30	128	195	30	50	2	**STD**	L
TR06003	35	105	172	25	55	2	**RT**	R
TR06004	35	105	172	25	55	2	**RT**	L

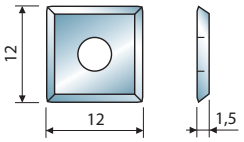
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR060 01	02	03	04
Coltello DX / Knife RT	11,6 x 12 x 1,5 STD	**CPTB01**	1	/	/	/
Coltello SX / Knife LT	11,6 x 12 x 1,5 STD	**CPTB02**	/	1	/	/
Coltello / Knife	12 x 12 x 1,5 STD	**CPTB03**	18	18	/	/
Coltello DX / Knife RT	19,6 x 12 x 1,5 STD	**CPTB04**	1	/	/	/
Coltello SX / Knife LT	19,6 x 12 x 1,5 STD	**CPTB05**	/	1	/	/
Coltello DX / Knife RT	11,6 x 12 x 1,5 RT	**CPTB06**	/	/	1	/
Coltello SX / Knife LT	11,6 x 12 x 1,5 RT	**CPTB07**	/	/	/	1
Coltello / Knife	12 x 12 x 1,5 RT	**CPTB08**	/	/	18	18
Coltello DX / Knife RT	19,6 x 12 x 1,5 RT	**CPTB09**	/	/	1	/
Coltello SX / Knife LT	19,6 x 12 x 1,5 RT	**CPTB10**	/	/	/	1
Forante DX / Drilling insert DX	Ø20 x 33	**ISPT01**	1	/	1	/
Forante SX / Drilling insert SX	Ø20 x 33	**ISPT02**	/	1	/	1
Vite per Forante / Drilling insert screw	M6 x 16	**VT006**	1	1	1	1
Vite per Coltello / Knife's Screw	M3,5 x 7,3 Ø9	**VT026**	20	20	20	20
Chiave per Forante / Drilling insert Key	Esagonale 3	**CH003**	1	1	1	1
Chiave per Coltello / Knife's Key	Torx 15	**TK020**	1	1	1	1

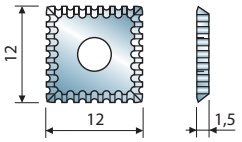
ESEMPI DI LAVORAZIONE
Working Example



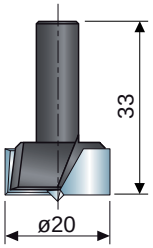


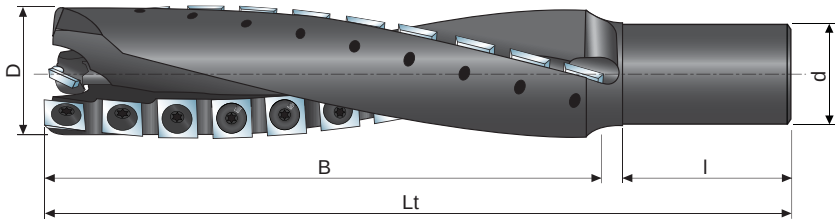


COLTELLO STD
Knife STD



COLTELLO RT
Knife RT





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FRESA MULTITAGLIENTE ELICOIDALE Z4 - Ø50 mm

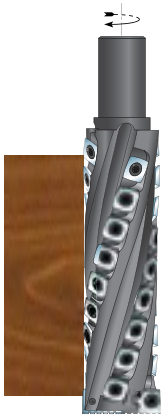
Helical multi-cutting cutter Z4 - Ø30/35 mm
Spiralförmiger Mehrschneidiger-Schaftfräser Z4 - Ø30/35 mm
Broca helicoidal multidientes Z4 - Ø30/35 mm

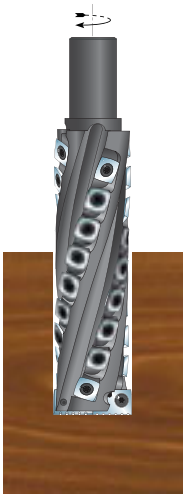
CODICE CODE	D mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	Z	ROTAZ. ROTAT.
TR07001	50	180	240	25 / 30	50	4	R
TR07002	50	180	240	25 / 30	50	4	L
TR07003	50	210	270	25 / 30	50	4	R
TR07004	50	210	270	25 / 30	50	4	L

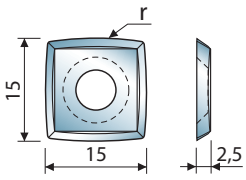
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR070 01	02	03	04
Coltello R50 / Knife R50	15 x 15 x 2,5	**CRB02**	34	34	40	40
Coltello / Knife	25 x 16 x 2	**CFPT01**	1	/	1	/
Coltello / Knife	25 x 16 x 2	**CFPT02**	1	/	1	/
Coltello / Knife	25 x 16 x 2	**CFPT03**	/	1	/	1
Coltello / Knife	25 x 16 x 2	**CFPT04**	/	1	/	1
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø8,8	**VT051**	34	34	40	40
Vite per Coltello / Knife's Screw	M4 x 8,3 Ø9	**VT013**	2	2	2	2
Chiave per Coltello / Knife's Key	Torx 15	**TK015**	1	1	1	1
Chiave per Colt. R50 / R50 Knife's Key	Torx 20	**TK020**	1	1	1	1

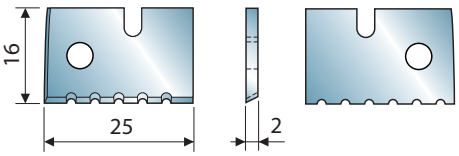
ESEMPI DI LAVORAZIONE
Working Example



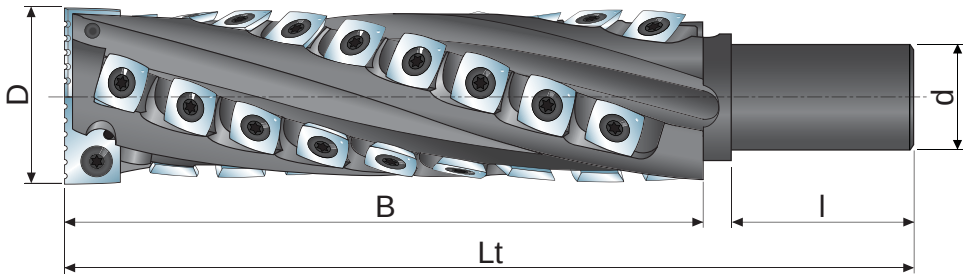




COLTELLO R50
Knife R50



COLTELLO CFPT
Knife CFPT





FRESA MULTITAGLIENTE CON COLTELLO BOMBATO - Ø80mm

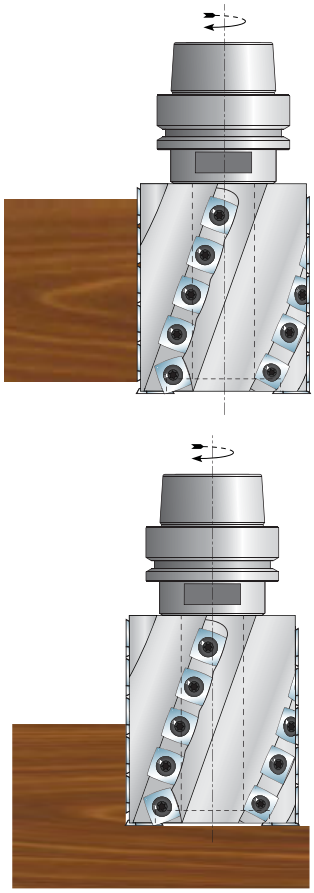
Multi-cutting cutter with rounded knife Z4 - Ø80 mm
Spiralförmiger Mehrschneidiger-Schaftfräser mit gewölbtes Messer Z4 - Ø80 mm
Broca helicoidal multidientes con cuchilla combada Z4 - Ø80 mm

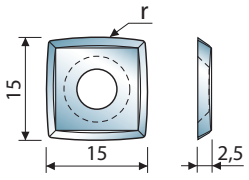
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	ATTACCO *SHANK*	Z	R	ROTAZ. ROTAT.
TR08001	LEGA LEGG.	80	122	30	HSK63E	4	2	R
TR08002	LEGA LEGG.	80	122	30	HSK63E	4	2	L

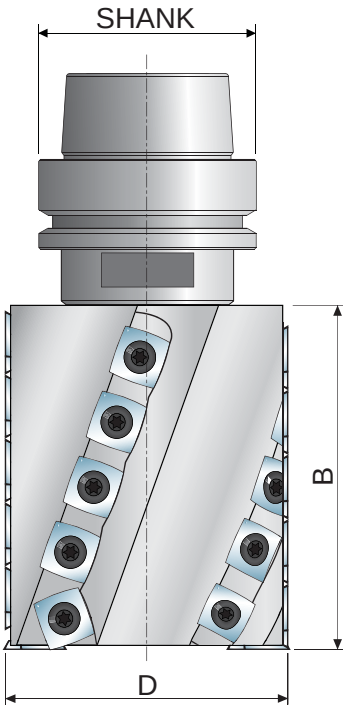
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE TR080	
			01	**02**
Mandrino / Toolholder	HSK63E H=100	**PHSK63E04**	1	1
Coltello R50 / Knife R50	15 x 15 x 2,5	**CRB02**	24	24
Rasante / Spur	14 x 14 x 2	**RAS02**	2	2
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø9	**VT051**	24	24
Vite per Rasante / Spur's Screw	M5 x 6,5 Ø9	**VT064**	2	2
Vite per Flangia / Flange's Screw	M6 x 26 Ø10	**VT037**	3	3
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1
Chiave per Flangia / Flange's Key	Esagonale 5	**CH005**	1	1

ESEMPI DI LAVORAZIONE
Working Example







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TRUCIOLATORE ELICOIDALE SU HSK63F CON COLTELLO S=5,5 mm

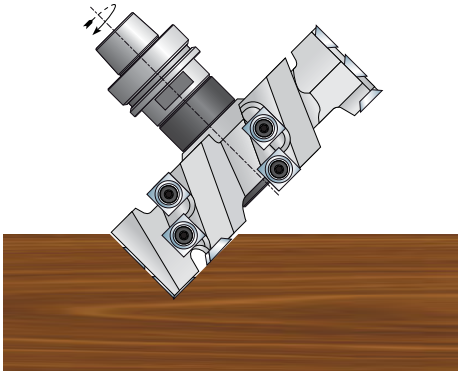
Helical hogger on HSK63F with knife S=5,5 mm
Spiralförmiger Zerspaner mit HSK63F und Messer S=5,5 mm
Triturador helicoidal con HSK63F y cuchilla S=5,5 mm

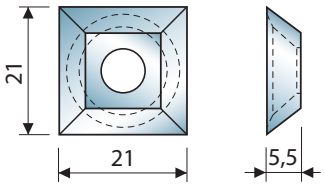
CODICE CODE	D *mm*	B *mm*	d *mm*	Z	R	ROTAZ. ROTAT.
TR09001	200	63	30	4 + 4	4	R

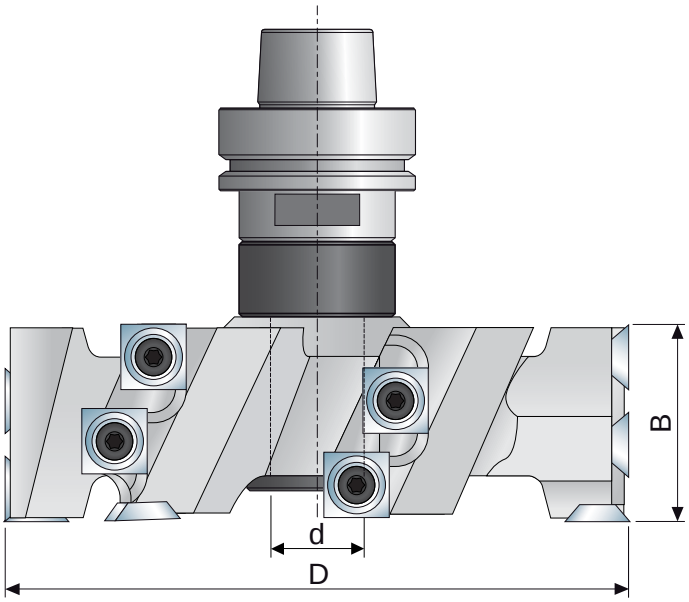
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE TR090
			01
Mandrino / Toolholder	HSK63F H=70	**PHSK63F02**	1
Distanziale / Distance Ring	Ø50/30 H=24	**ADS01**	1
Coltello / Knife	21 x 21 x 5,5	**CTS01**	20
Vite per Coltello / Knife's Screw	M7 x 16 Ø12	**VT014**	20
Chiave per Coltello / Knife's Key	Torx 30	**TK030**	1

ESEMPI DI LAVORAZIONE
Working Example







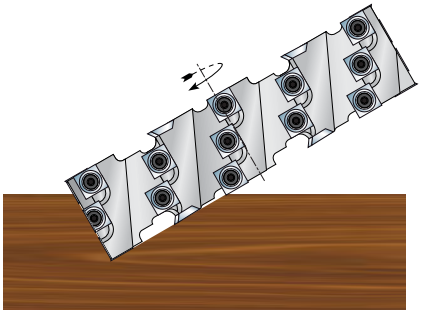


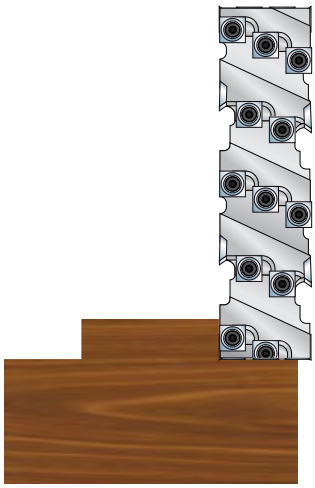
TRUCIOLATORE ELICOIDALE CON COLTELLO S=5,5 mm - d=30 MM

Helical hogger with knife S=5,5 mm - d=30 mm
Spiralförmiger Zerspaner mit Messer S=5,5 mm - d=30 mm
Triturador helicoidal con cuchilla S=5,5 mm - d=30 mm

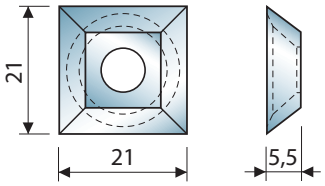
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	ROTAZ. ROTAT.
TR10001	**LEGA LEGG.**	290	75	30	6+6	R

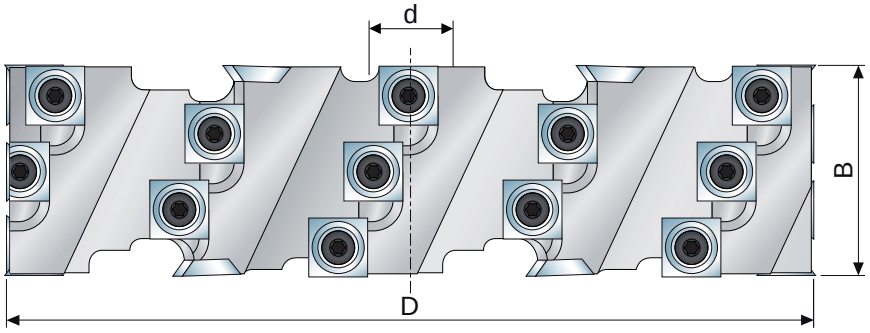
ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials			
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE TR100** **01**
Coltello / Knife	21 x 21 x 5,5	**CTS01**	42
Vite per Coltello / Knife's Screw	M7 x 16 Ø12	**VT014**	42
Chiave per Coltello / Knife's Key	Torx 30	**TK030**	1





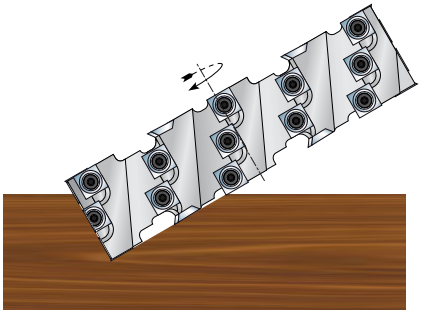


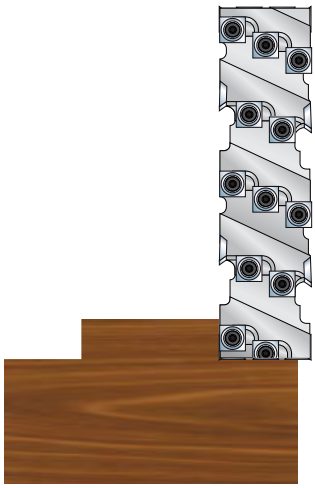
TRUCIOLATORE CON COLTELLO
S=5,5 mm - d=55 DKN

Helical hogger with knife S=5,5 mm - d=55DKN
Spiralförmiger Zerspaner mit Messer S=5,5 mm - d=55DKN
Triturador helicoidal con cuchilla S=5,5 mm - d=55DKN

CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	ROTAZ. ROTAT.
TR11001	LEGA LEGG.	350	60	55 DKN	4 + 4	8 + 8	R
TR11002	LEGA LEGG.	350	80	55 DKN	4 + 4	8 + 8	R
TR11003	LEGA LEGG.	350	100	55 DKN	4 + 4	8 + 8	R

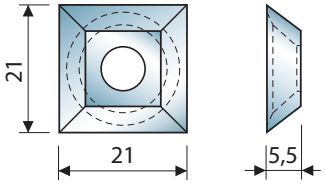
ESEMPI DI LAVORAZIONE
Working Example

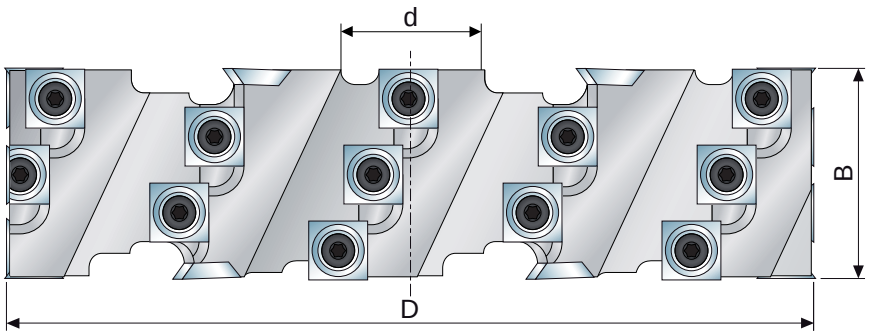




DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI *mm*	CODICE CODE	CODICE TR110		
			01	**02**	**03**
Coltello / Knife	21 x 21 x 5,5	**CTS01**	32	36	40
Vite per Coltello / Knife's Screw	M7 x 16 Ø12	**VT014**	32	36	40
Chiave per Coltello / Knife's Key	Torx 30	**TK030**	1	1	1





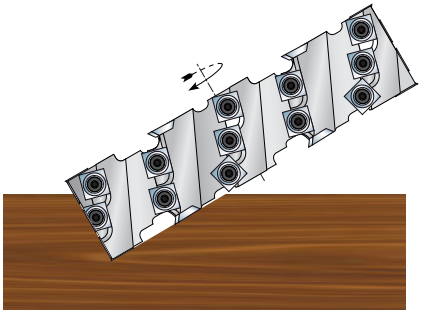


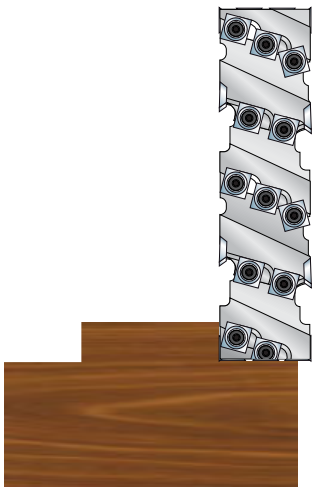
TRUCIOLATORE CON ANGOLO ASSIALE COLTELLO S=5,5 mm - d=55DKN

Helical hogger with axial angle with knife S=5,5 mm - d=55DKN
Spiralförmiger Zerspaner mit Achswinkel mit Messer S=5,5 mm - d=55DKN
Triturador helicoidal con angulo axial con cuchilla S=5,5 mm - d=55DKN

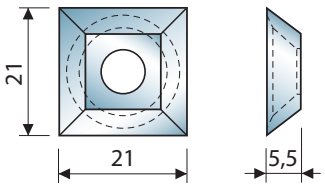
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	ROTAZ. ROTAT.
TR11501	LEGA LEGG.	350	60	55 DKN	4 + 4	8 + 8	R
TR11502	LEGA LEGG.	350	80	55 DKN	4 + 4	8 + 8	R
TR11502	LEGA LEGG.	350	100	55 DKN	4 + 4	8 + 8	R

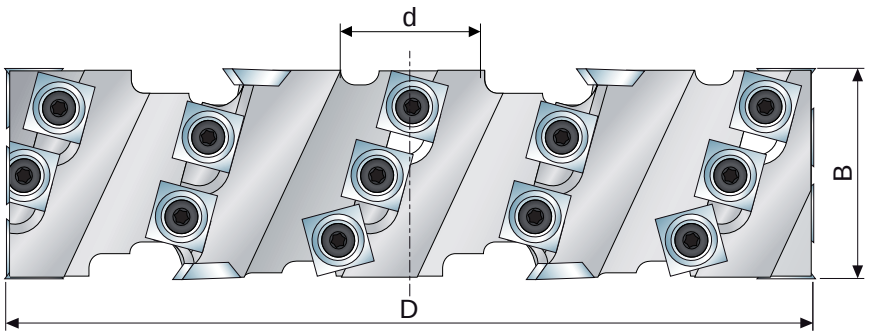
ESEMPI DI LAVORAZIONE
Working Example





DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE TR115**		
			01	**02**	**03**
Coltello / Knife	21 x 21 x 5,5	**CTS01**	32	36	40
Vite per Coltello / Knife's Screw	M7 x 16 Ø12	**VT014**	32	36	40
Chiave per Coltello / Knife's Key	Torx 30	**TK030**	1	1	1





MONTENERO WOODWORKING·TOOLS

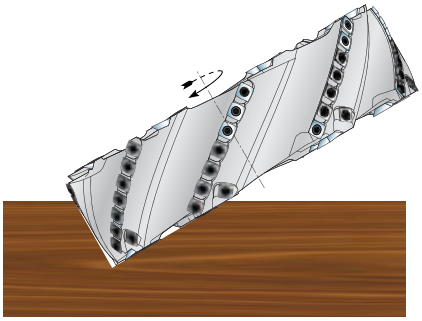
TRUCIOLATORE CON COLTELLO BOMBATO - d=55 DKN

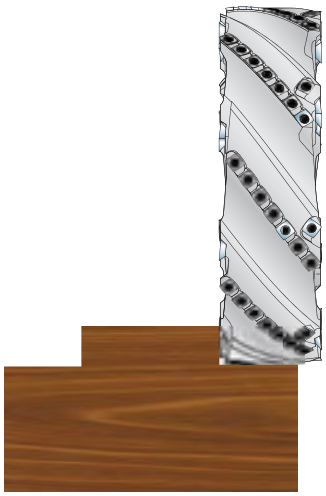
Helical hogger with rounded knife - d=55DKN
Spiralförmiger Zerspaner mit gewölbtes Messer - d=55DKN
Triturador helicoidal con cuchilla combada - d=55DKN



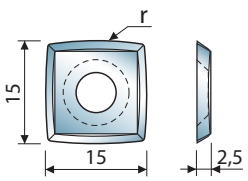
CODICE CODE	MATERIALE MATERIAL	D *mm*	B *mm*	d *mm*	Z	R	ROTAZ. ROTAT.
TR13001	LEGA LEGG.	350	60	55DKN	4 + 4	8 + 8	R
TR13002	LEGA LEGG.	350	80	55DKN	4 + 4	8 + 8	R
TR13002	LEGA LEGG.	350	100	55DKN	4 + 4	8 + 8	R

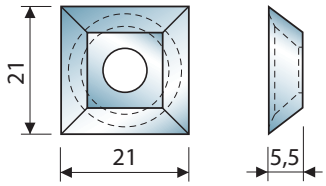
ESEMPI DI LAVORAZIONE
Working Example

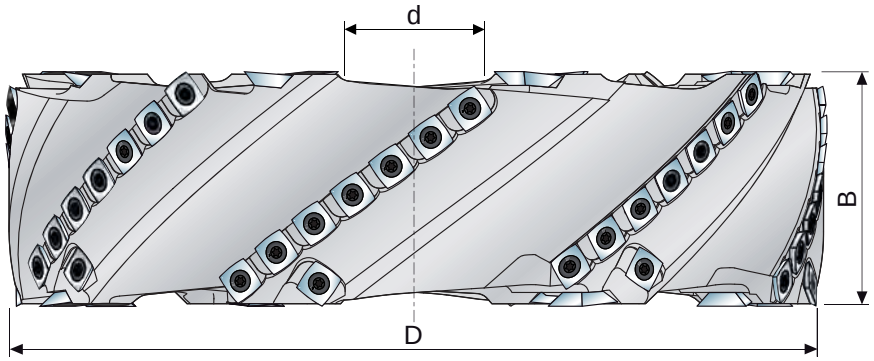




DISTINTA BASE / Bill of Materials					
DESCRIZIONE DESCRIPTION	**DIMENSIONI** *mm*	**CODICE** CODE	**CODICE TR130**		
			01	**02**	**03**
Coltello / Knife	15 x 15 x 2,5	**CRB02**	40	52	64
Rasante / Spur	21 x 21 x 5,5	**CTS01**	16	16	16
Vite per Coltello / Knife's Screw	M5 x 12,5 Ø9	**VT051**	40	52	64
Vite per Rasante / Spur's Screw	M7 x 16 Ø12	**VT014**	16	16	16
Chiave per Coltello / Knife's Key	Torx 20	**TK020**	1	1	1
Chiave per Rasante / Spur's Key	Torx 30	**TK030**	1	1	1









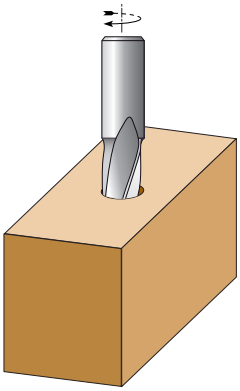
FRESA HW ELICOIDALE Z3

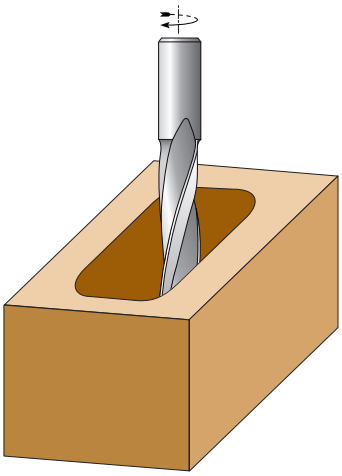
HW Helical cutter Z3
HW-Schlichtfräser Z3
Broca elicoidale HW Z3

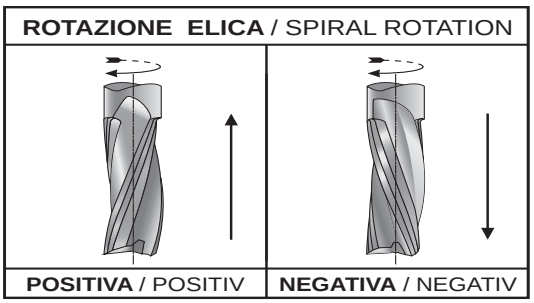
CODICE CODE	D *mm*	Lu *mm*	Lt *mm*	SHANK ***d*** *mm*	Z	ROTAZ. ROTAT.	ELICA SPIRAL
TR12001	25	140	200	25	3	R	POS.
TR12002	25	140	200	25	3	R	NEG.
TR12003	25	140	200	25	3	L	POS.
TR12004	25	140	200	25	3	L	NEG.
TR12005	25	140	200	25	3 RT	R	POS.
TR12006	25	140	200	25	3 RT	R	NEG.
TR12007	25	140	200	25	3 RT	L	POS.
TR12008	25	140	200	25	3 RT	L	NEG.

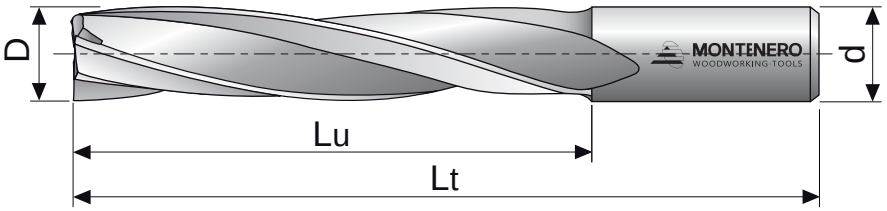
RT= CON ROMPITRUCIOLO
with chip breaker
mit Spannbrecher
con rompevirutas

ESEMPI DI LAVORAZIONE
Working Example









SALDOBRASATO

HW - BRAZED CUTTERHEAD
HW - FESTBESTÜCKTE FRÄSER
FRESAS DE PLACA SALDADAS HW



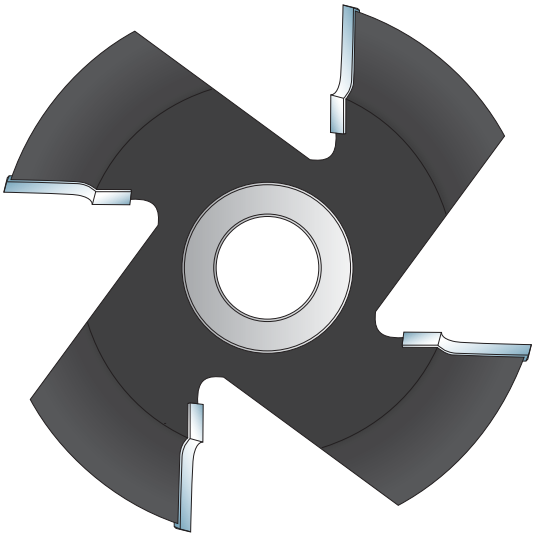
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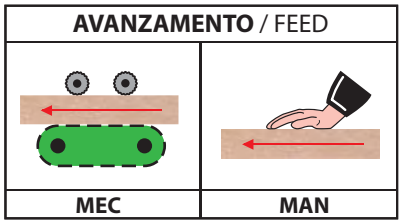
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Fresa sagomata - Profilo complesso	SB020	**356**
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Convex cutter for quarters of a round • Konvex-Fräser für Viertelradiusfräsungen Fresa convexa para cuartos de redondo		
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Fresa convessa per mezzo tondo	SB070	**361**
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Profiled router - Complex profile • Schaftfräser für schwierige Profile Broca perfilada - Perfil complejo		

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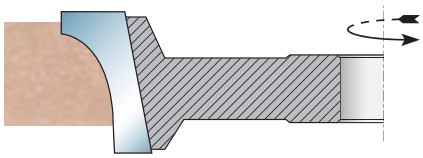
FRESA SAGOMATA - PROFILO SEMPLICE

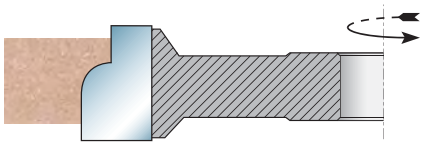
Profiled cutter - Simple profile
Profilfräser für einfache Profile
Fresa perfilada - Perfil simple

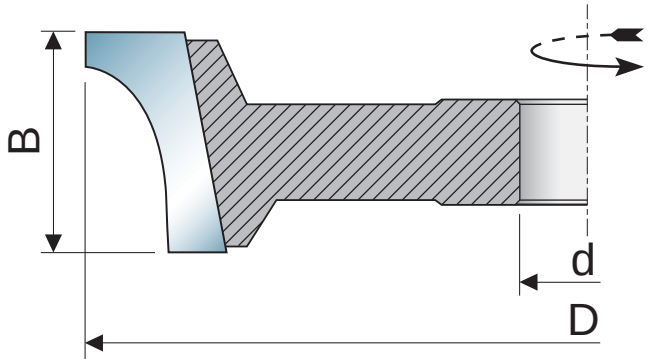


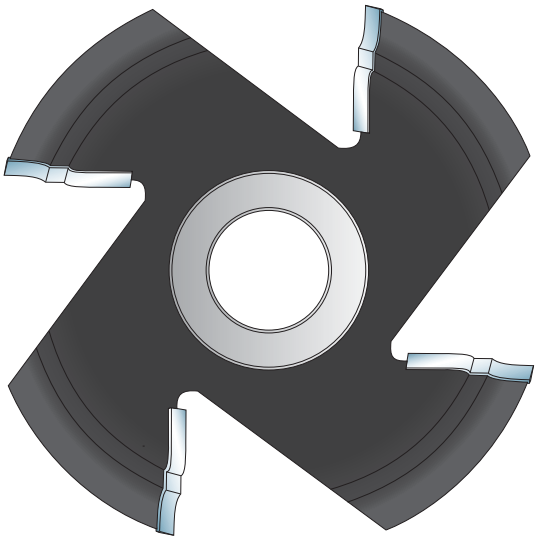
CODICE CODE	B *mm*	d *mm*	Z	DIAMETRI / DIAMETERS					
				D=100	D=120	D=140	D=160	D=180	D=200
SB01001	15	35 / 40	4						
SB01002	20	35 / 40	4						
SB01003	25	35 / 40	4						
SB01004	30	35 / 40	4						
SB01005	35	35 / 40	4						
SB01006	40	35 / 40	4						
SB01007	45	35 / 40	4						
SB01008	50	35 / 40	4						
SB01009	60	35 / 40	4						
SB01010	70	35 / 40	4						
SB01011	80	35 / 40	4	/					
SB01012	90	35 / 40	4	/					
SB01013	100	35 / 40	4	/					

ESEMPI DI LAVORAZIONE
Working Example



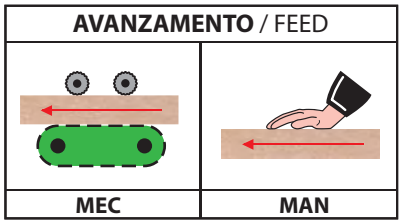






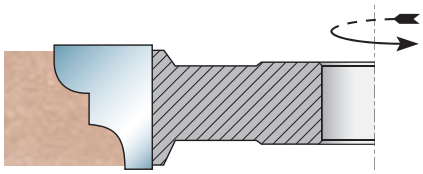
FRESA SAGOMATA - PROFILO COMPLESSO

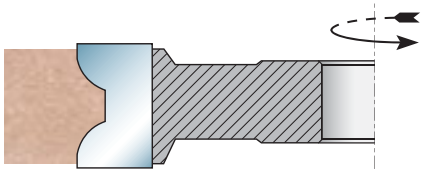
Profiled cutter - Complex profile
Profilfräser für schwierige Profile
Fresa perfilada - Perfil complejo

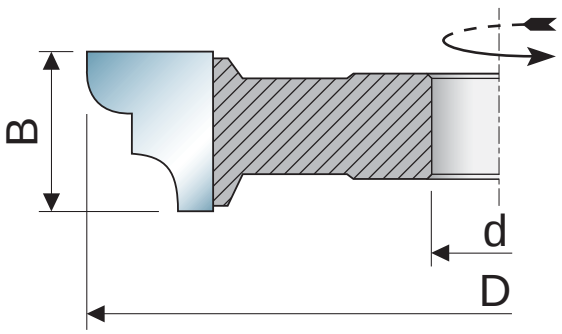


CODICE CODE	B *mm*	d *mm*	Z	DIAMETRI / DIAMETERS					
				D=100	D=120	D=140	D=160	D=180	D=200
SB02001	15	35 / 40	4						
SB02002	20	35 / 40	4						
SB02003	25	35 / 40	4						
SB02004	30	35 / 40	4						
SB02005	35	35 / 40	4						
SB02006	40	35 / 40	4						
SB02007	45	35 / 40	4						
SB02008	50	35 / 40	4						
SB02009	60	35 / 40	4						
SB02010	70	35 / 40	4						
SB02011	80	35 / 40	4	/					
SB02012	90	35 / 40	4	/					
SB02013	100	35 / 40	4	/					

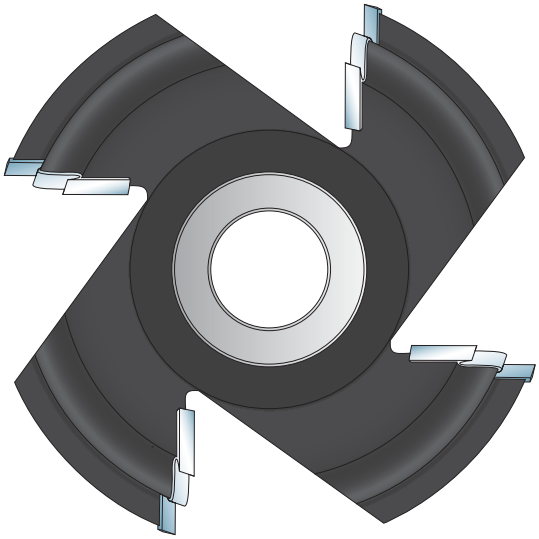
ESEMPI DI LAVORAZIONE
Working Example





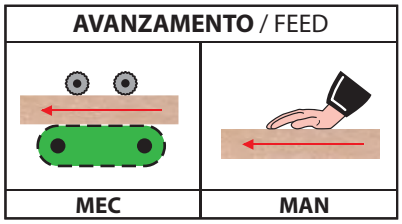


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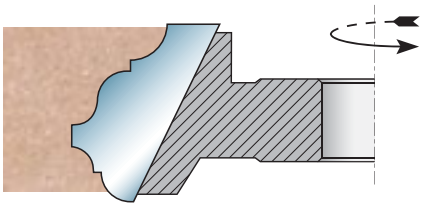
FRESA SAGOMATA - PROFILO SPECIALE

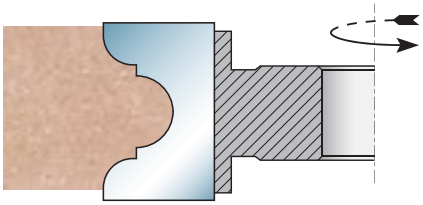
Profiled cutter - Special profile
Profilfräser für Sonderprofile
Fresa perfilada - Perfil especial

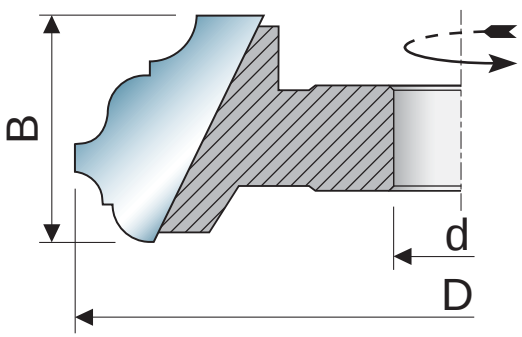


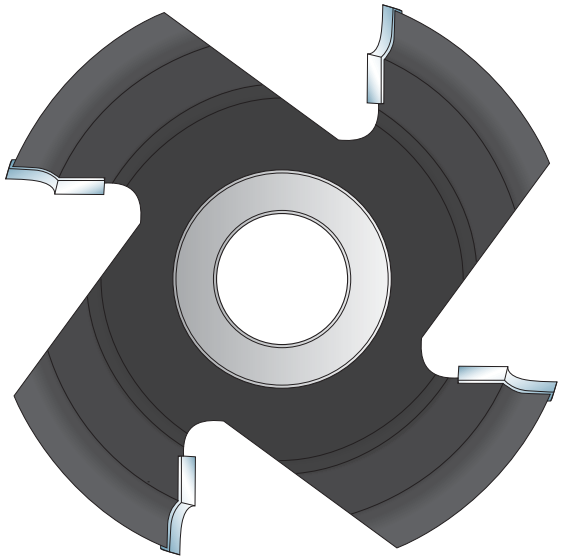
CODICE CODE	B *mm*	d *mm*	Z	DIAMETRI / DIAMETERS					
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SB03001	20	35 / 40	4						
SB03002	25	35 / 40	4						
SB03003	30	35 / 40	4						
SB03004	35	35 / 40	4						
SB03005	40	35 / 40	4						
SB03006	45	35 / 40	4						
SB03007	50	35 / 40	4						
SB03008	60	35 / 40	4						
SB03009	70	35 / 40	4						
SB03010	80	35 / 40	4	/					
SB03011	90	35 / 40	4	/					
SB03012	100	35 / 40	4	/					

ESEMPI DI LAVORAZIONE
Working Example



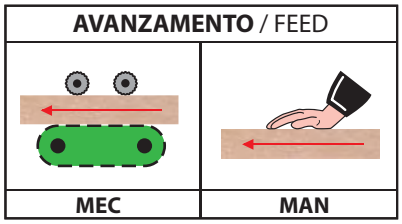






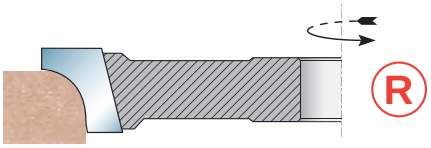
FRESA CONCAVA PER QUARTI DI TONDO

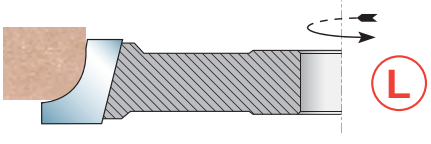
Concave cutter for quarters of a round
Konkav-Fräser für Viertelradiusfräsungen
Fresa cóncava para cuartos de redondo

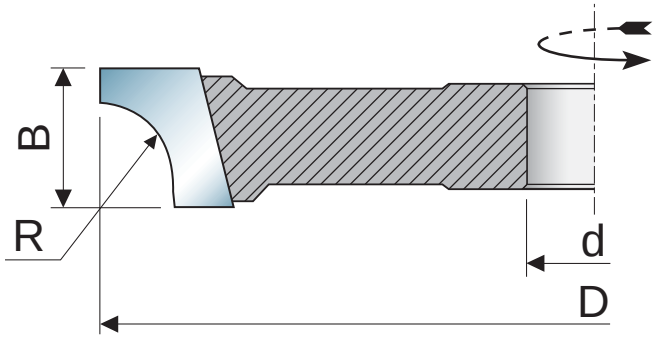


CODICE CODE	B mm	d mm	Z	R mm	ROTAZ. ROTAT.	DIAMETRI / DIAMETERS D=140	D=160
SB04001	10	35 / 40	4	5	R		/
SB04002	10	35 / 40	4	5	L		/
SB04003	16	35 / 40	4	7,5	R		/
SB04004	16	35 / 40	4	7,5	L		/
SB04005	18	35 / 40	4	10	R		/
SB04006	18	35 / 40	4	10	L		/
SB04007	20	35 / 40	4	12,5	R		/
SB04008	20	35 / 40	4	12,5	L		/
SB04009	25	35 / 40	4	15	R		/
SB04010	25	35 / 40	4	15	L		/
SB04011	30	35 / 40	4	20	R		/
SB04012	30	35 / 40	4	20	L		/
SB04013	35	35 / 40	4	25	R		/
SB04014	35	35 / 40	4	25	L		/
SB04015	40	35 / 40	4	30	R	/	
SB04016	40	35 / 40	4	30	L	/	

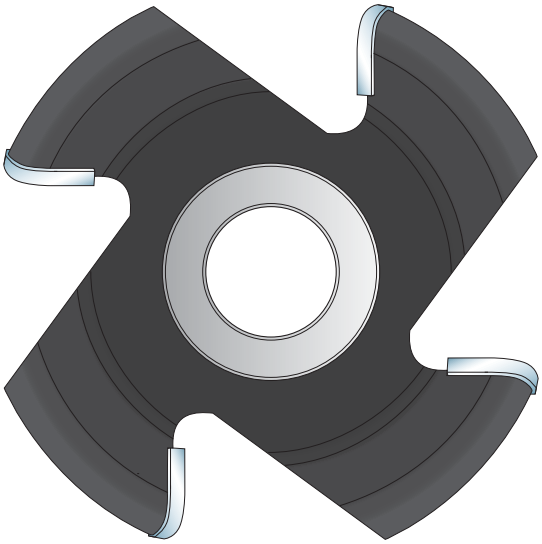
ESEMPI DI LAVORAZIONE
Working Example





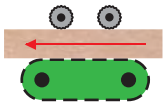
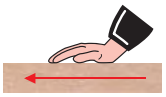


MONTENERO
WOODWORKING·TOOLS



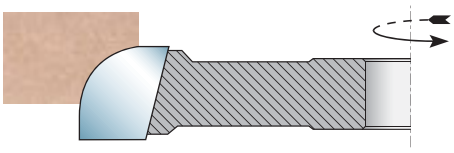
FRESA CONVESSA PER QUARTO DI TONDO

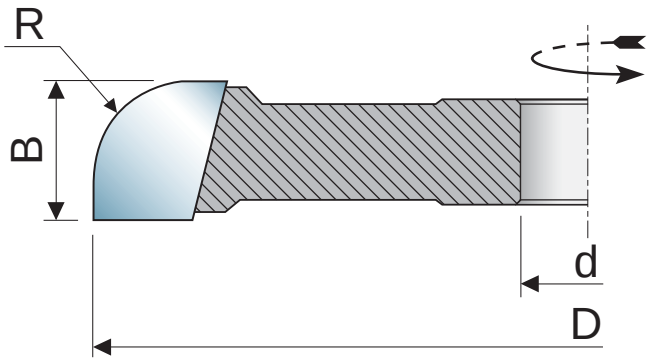
Convex cutter for quarters of a round
Konvex-Fräser für Viertelradiusfräsungen
Fresa convexa para cuartos de redondo

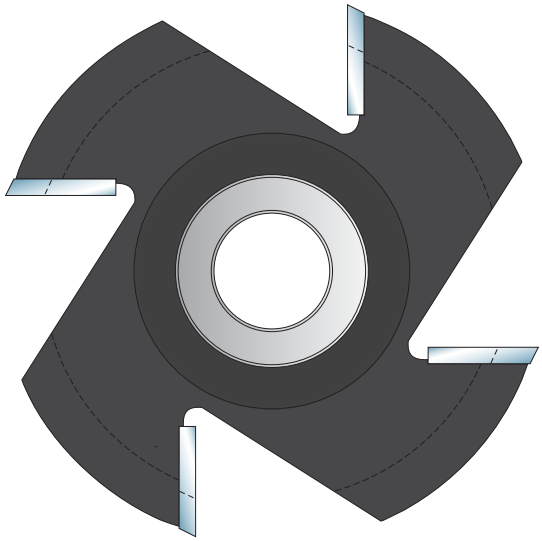
AVANZAMENTO / FEED	
	
MEC	**MAN**

CODICE CODE	**B** *mm*	**d** *mm*	**Z**	**R** *mm*	**DIAMETRI** / DIAMETERS	
					D=140	**D=160**
SB05001	10	35 / 40	4	5		/
SB05002	14	35 / 40	4	7,5		/
SB05003	15	35 / 40	4	10		/
SB05004	18	35 / 40	4	12,5		/
SB05005	20	35 / 40	4	15		/
SB05006	25	35 / 40	4	20		/
SB05007	30	35 / 40	4	25		/
SB05008	35	35 / 40	4	30	/	

ESEMPI DI LAVORAZIONE
Working Example

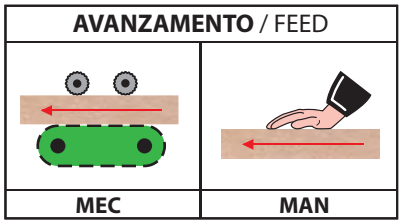






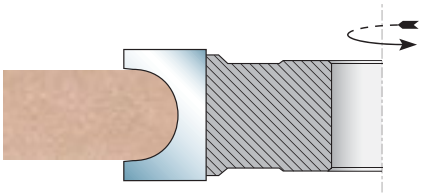
FRESA CONCAVA PER MEZZO TONDO

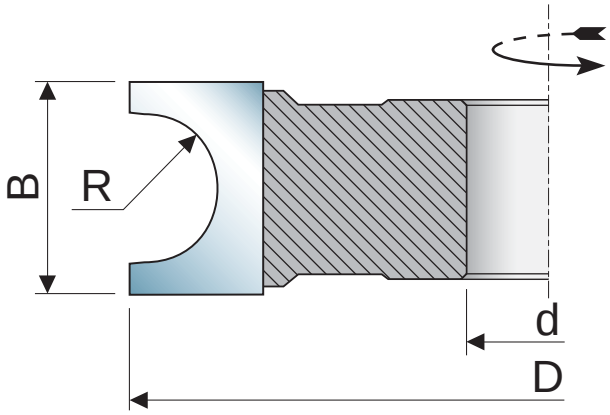
Concave cutter for half a round
Konkav-Fräser für Halbradiusfräsungen
Fresa cóncava para medio de redondos



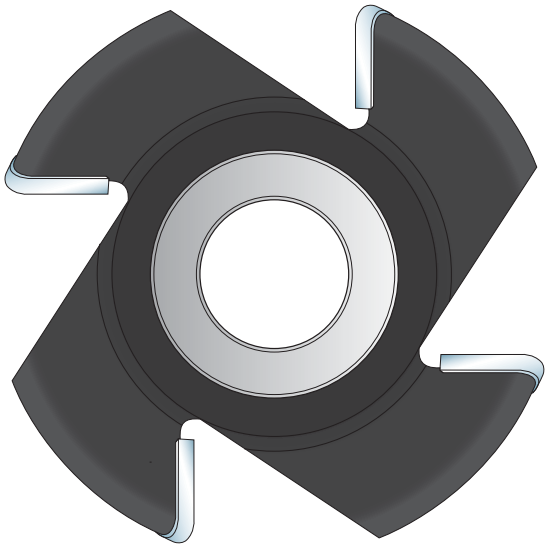
CODICE CODE	B mm	d mm	Z	R mm	DIAMETRI / DIAMETERS	
					D=140	D=160
SB06001	20	35 / 40	4	5		/
SB06002	25	35 / 40	4	7,5		/
SB06003	35	35 / 40	4	10		/
SB06004	40	35 / 40	4	12,5		/
SB06005	45	35 / 40	4	15		/
SB06006	60	35 / 40	4	20		/
SB06007	60	35 / 40	4	25	/	
SB06008	70	35 / 40	4	30	/	

ESEMPI DI LAVORAZIONE
Working Example



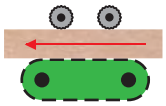
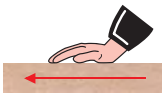


MONTENERO
WOODWORKING·TOOLS



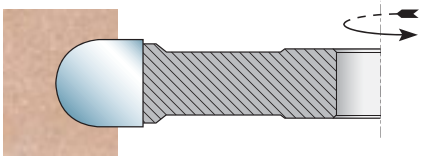
FRESA CONVESSA PER MEZZO TONDO

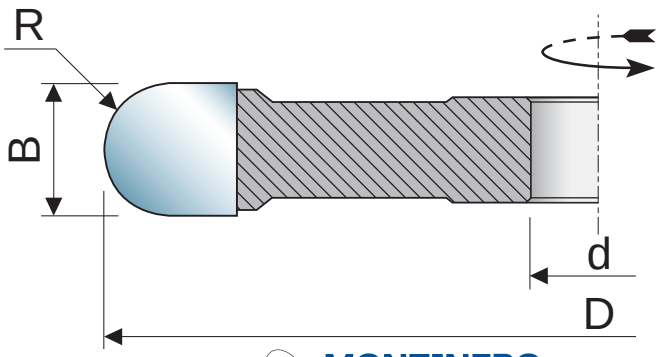
Convex cutter for half a round
Konvex-Fräser für Halbradiusfräsungen
Fresa convexa para medio de redondo

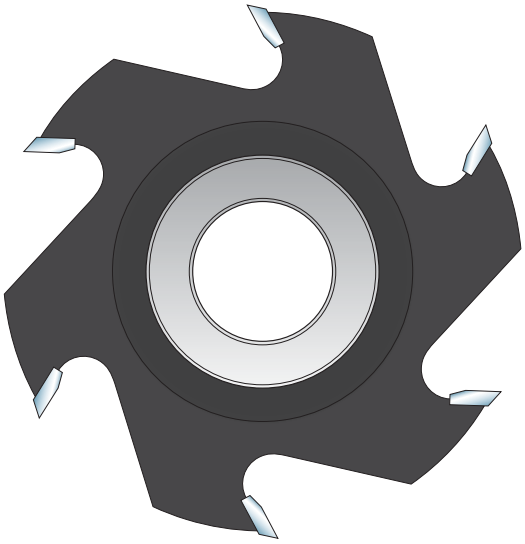
AVANZAMENTO / FEED	
	
MEC	**MAN**

CODICE CODE	**B** *mm*	**d** *mm*	**Z**	**R** *mm*	**DIAMETRI** / DIAMETERS	
					D=140	**D=160**
SB07001	10	35 / 40	4	5		/
SB07002	15	35 / 40	4	7,5		/
SB07003	20	35 / 40	4	10		/
SB07004	25	35 / 40	4	12,5		/
SB07005	30	35 / 40	4	15		/
SB07006	40	35 / 40	4	20		/
SB07007	50	35 / 40	4	25		/
SB07008	60	35 / 40	4	30	/	

ESEMPI DI LAVORAZIONE
Working Example

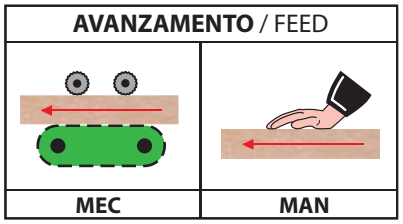






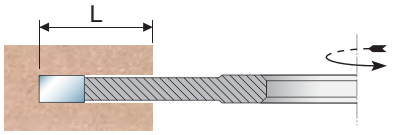
FRESA PER INCASTRI Z6

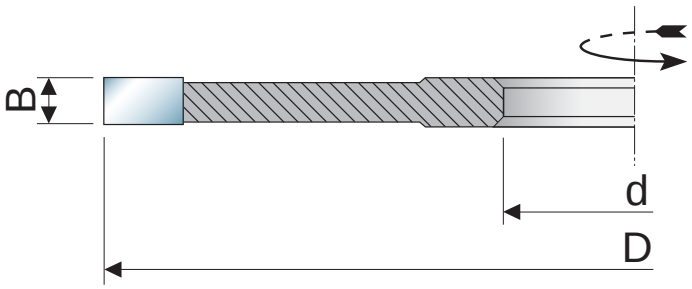
Grooving cutter Z6
Nutfräser Z6
Fresa para ranurar Z6



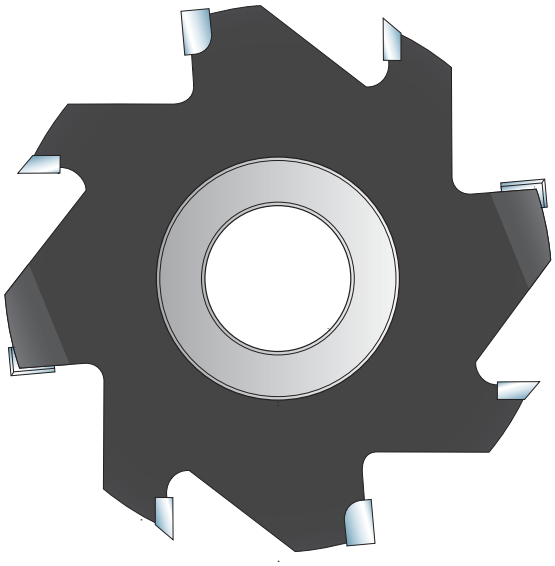
CODICE CODE	D *mm*	B *mm*	d *mm*	L *mm*	Z
SB08001	150	4	35 / 40	0 ÷ 40	6
SB08002	150	5	35 / 40	0 ÷ 40	6
SB08003	150	6	35 / 40	0 ÷ 40	6
SB08004	150	8	35 / 40	0 ÷ 40	6
SB08005	150	10	35 / 40	0 ÷ 40	6
SB08006	150	12	35 / 40	0 ÷ 40	6
SB08007	150	14	35 / 40	0 ÷ 40	6
SB08008	150	16	35 / 40	0 ÷ 40	6
SB08009	150	18	35 / 40	0 ÷ 40	6
SB08010	150	20	35 / 40	0 ÷ 40	6

ESEMPI DI LAVORAZIONE
Working Example



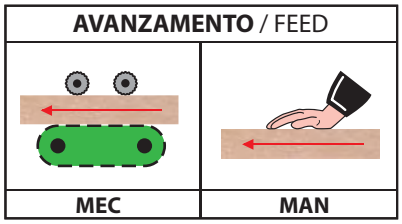


MONTENERO
WOODWORKING·TOOLS



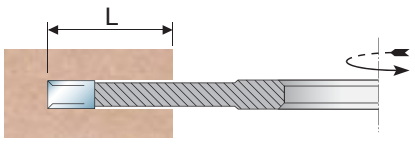
FRESA PER INCASTRI CON RASANTI Z 4+4

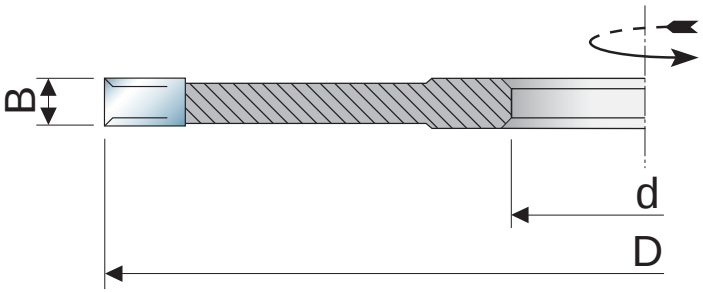
Grooving cutter with spurs Z4+4
Nutfräser mit Vorschneider Z4+4
Fresa para ranurar con precortadores Z4+4



CODICE CODE	D mm	B mm	d mm	L mm	Z
SB09001	150	4	35 / 40	0 ÷ 40	4 + 4
SB09002	150	5	35 / 40	0 ÷ 40	4 + 4
SB09003	150	6	35 / 40	0 ÷ 40	4 + 4
SB09004	150	8	35 / 40	0 ÷ 40	4 + 4
SB09005	150	10	35 / 40	0 ÷ 40	4 + 4
SB09006	150	12	35 / 40	0 ÷ 40	4 + 4
SB09007	150	14	35 / 40	0 ÷ 40	4 + 4
SB09008	150	16	35 / 40	0 ÷ 40	4 + 4
SB09009	150	18	35 / 40	0 ÷ 40	4 + 4
SB09010	150	20	35 / 40	0 ÷ 40	4 + 4

ESEMPI DI LAVORAZIONE
Working Example

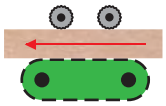
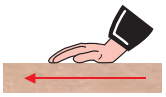


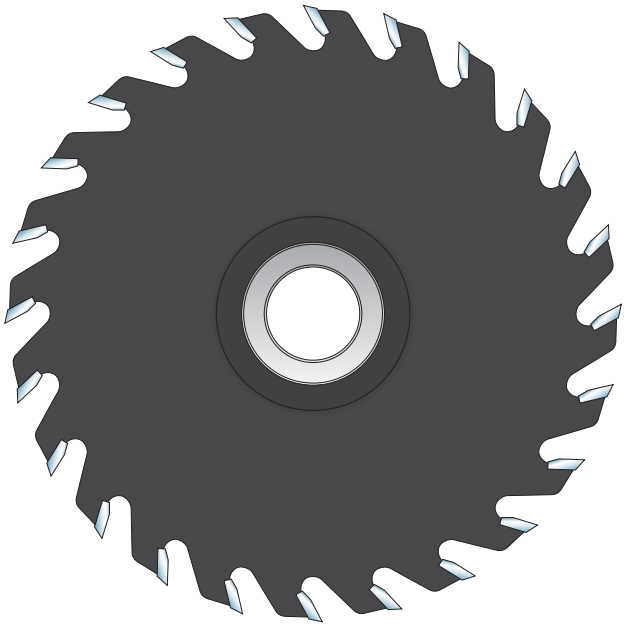




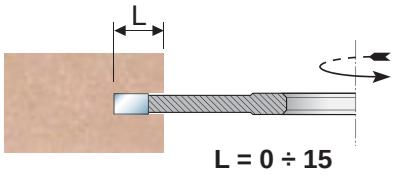
FRESA SPECIALE PER INCASTRI

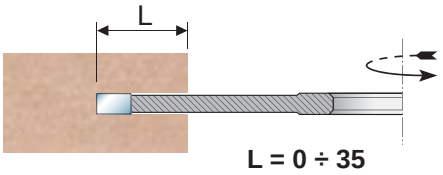
Special grooving cutter
Sonder Nutfräser
Fresa especial para ranurar

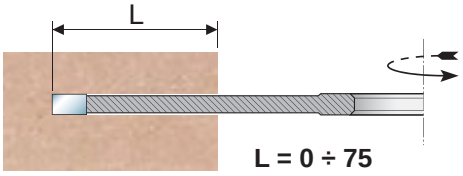
AVANZAMENTO / FEED	
	
MEC	**MAN**

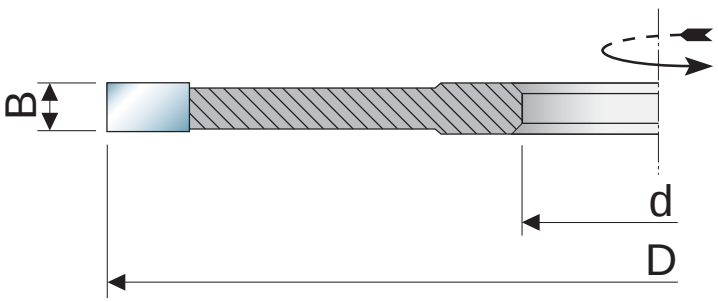


ESEMPI DI LAVORAZIONE
Working Example



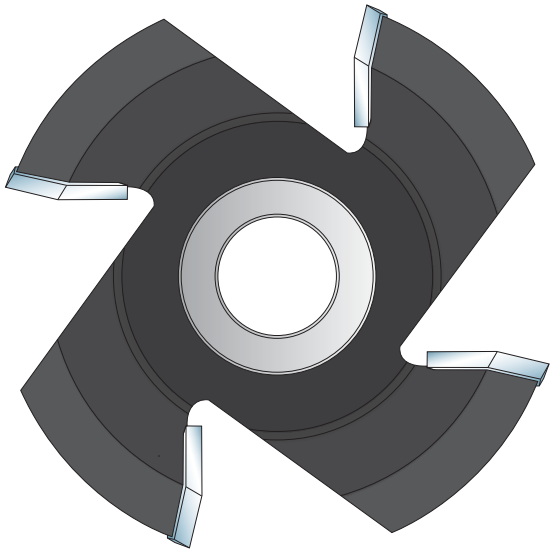






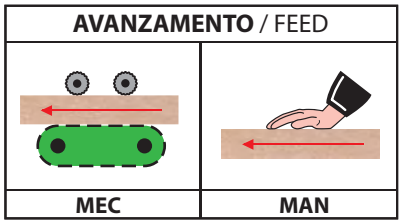
MONTENERO
WOODWORKING·TOOLS

CODICE CODE	D mm	B mm	d mm	L mm	N° DENTI / N° OF TEETH							
					Z=2	Z=3	Z=4	Z=6	Z=8	Z=12	Z=18	Z=24
SB10001	100	6	35 / 40	0 ÷ 15							/	/
SB10002	100	8	35 / 40	0 ÷ 15							/	/
SB10003	100	10	35 / 40	0 ÷ 15							/	/
SB10004	100	12	35 / 40	0 ÷ 15							/	/
SB10005	100	14	35 / 40	0 ÷ 15							/	/
SB10006	100	16	35 / 40	0 ÷ 15							/	/
SB10007	100	18	35 / 40	0 ÷ 15							/	/
SB10008	100	20	35 / 40	0 ÷ 15							/	/
SB10009	140	6	35 / 40	0 ÷ 35								/
SB10010	140	8	35 / 40	0 ÷ 35								/
SB10011	140	10	35 / 40	0 ÷ 35								/
SB10012	140	12	35 / 40	0 ÷ 35								/
SB10013	140	14	35 / 40	0 ÷ 35								/
SB10014	140	16	35 / 40	0 ÷ 35								/
SB10015	140	18	35 / 40	0 ÷ 35								/
SB10016	140	20	35 / 40	0 ÷ 35								/
SB10017	180	6	35 / 40	0 ÷ 55								
SB10018	180	8	35 / 40	0 ÷ 55								
SB10019	180	10	35 / 40	0 ÷ 55								
SB10020	180	12	35 / 40	0 ÷ 55								
SB10021	180	14	35 / 40	0 ÷ 55								
SB10022	180	16	35 / 40	0 ÷ 55								
SB10023	180	18	35 / 40	0 ÷ 55								
SB10024	180	20	35 / 40	0 ÷ 55								
SB10025	220	6	35 / 40	0 ÷ 75								
SB10026	220	8	35 / 40	0 ÷ 75								
SB10027	220	10	35 / 40	0 ÷ 75								
SB10028	220	12	35 / 40	0 ÷ 75								
SB10029	220	14	35 / 40	0 ÷ 75								
SB10030	220	16	35 / 40	0 ÷ 75								
SB10031	220	18	35 / 40	0 ÷ 75								
SB10032	220	20	35 / 40	0 ÷ 75								
SB10033	260	6	35 / 40	0 ÷ 95	/							
SB10034	260	8	35 / 40	0 ÷ 95	/							
SB10035	260	10	35 / 40	0 ÷ 95	/							
SB10036	260	12	35 / 40	0 ÷ 95	/							
SB10037	260	14	35 / 40	0 ÷ 95	/							
SB10038	260	16	35 / 40	0 ÷ 95	/							
SB10039	260	18	35 / 40	0 ÷ 95	/							
SB10040	260	20	35 / 40	0 ÷ 95	/							
SB10041	300	6	35 / 40	0 ÷ 115	/							
SB10042	300	8	35 / 40	0 ÷ 115	/							
SB10043	300	10	35 / 40	0 ÷ 115	/							
SB10044	300	12	35 / 40	0 ÷ 115	/							
SB10045	300	14	35 / 40	0 ÷ 115	/							
SB10046	300	16	35 / 40	0 ÷ 115	/							
SB10047	300	18	35 / 40	0 ÷ 115	/							
SB10048	300	20	35 / 40	0 ÷ 115	/							



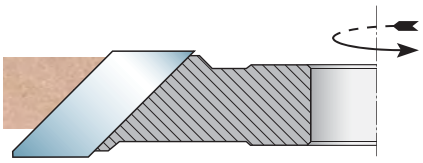
FRESA PER SMUSSI A 45°

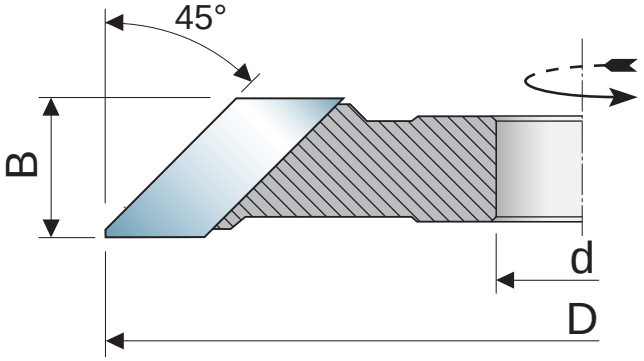
Chamfering cutter 45°
Fasefräser 45°
Fresa para chaflanes de 45°



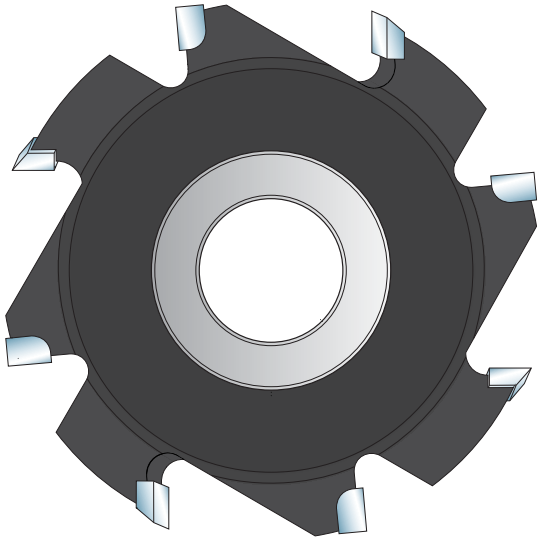
CODICE CODE	B *mm*	d *mm*	Z	DIAMETRI / DIAMETERS					
				D=100	D=120	D=140	D=160	D=180	D=200
SB11001	15	35 / 40	4						
SB11002	20	35 / 40	4						
SB11003	25	35 / 40	4						
SB11004	30	35 / 40	4						
SB11005	35	35 / 40	4						
SB11006	40	35 / 40	4						
SB11007	45	35 / 40	4						
SB11008	50	35 / 40	4						

ESEMPI DI LAVORAZIONE
Working Example



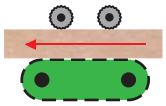
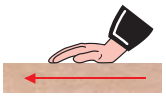


MONTENERO
WOODWORKING·TOOLS



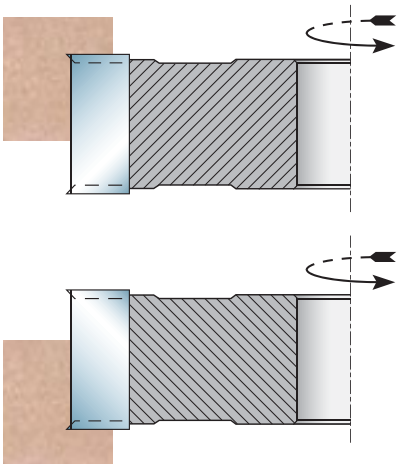
FRESA PER BATTUTE A TAGLIENTI ALTERNI

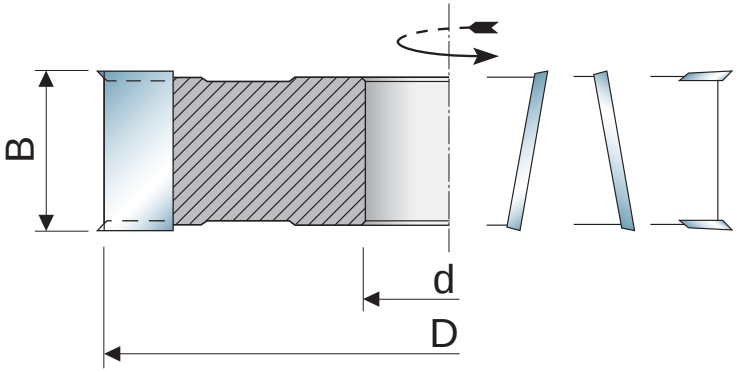
Tonguing cutter with alternate teeth
Falzfräser mit wechselnden Schneiden
Fresa para galces con dientes alternados

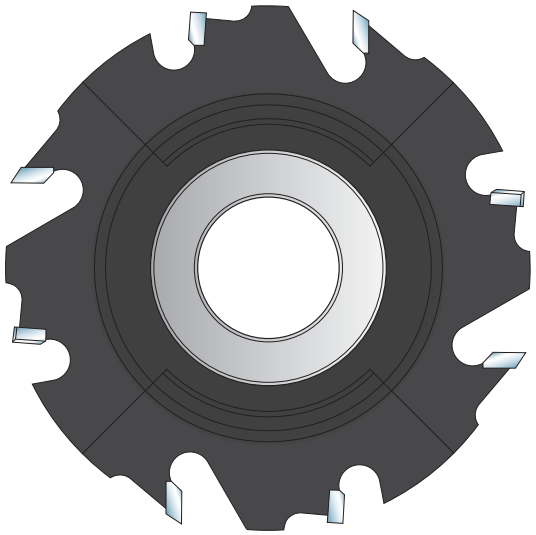
AVANZAMENTO / FEED	
	
MEC	**MAN**

CODICE CODE	**B** *mm*	**d** *mm*	**Z**	**DIAMETRI** / DIAMETERS				
				D=120	**D=140**	**D=160**	**D=180**	**D=200**
SB12001	20	35 / 40	4 + 4					
SB12002	25	35 / 40	4 + 4					
SB12003	30	35 / 40	4 + 4					
SB12004	35	35 / 40	4 + 4					
SB12005	40	35 / 40	4 + 4					
SB12006	50	35 / 40	4 + 4					
SB12007	60	35 / 40	4 + 4					

ESEMPI DI LAVORAZIONE
Working Example

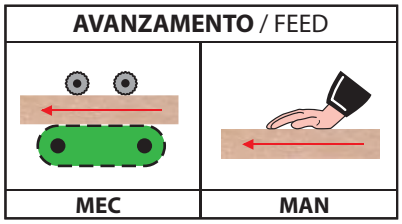






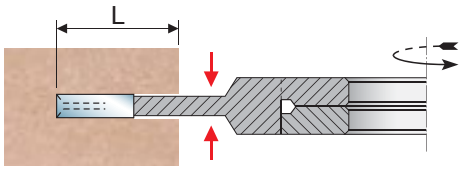
FRESA PER INCASTRI REGISTRABILE CON RASANTI

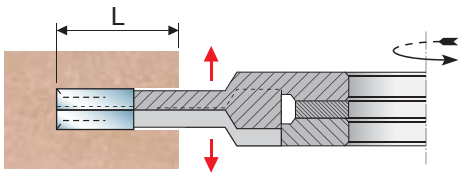
Adjustable grooving cutter with spurs
Verstellbarer Fräser mit Vorschneider
Fresa extensible para ranurar con precortadores

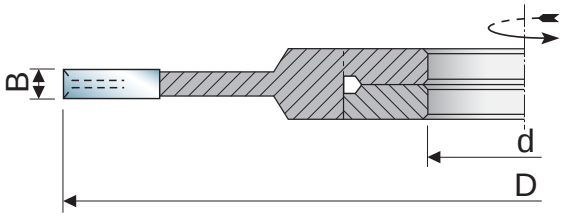


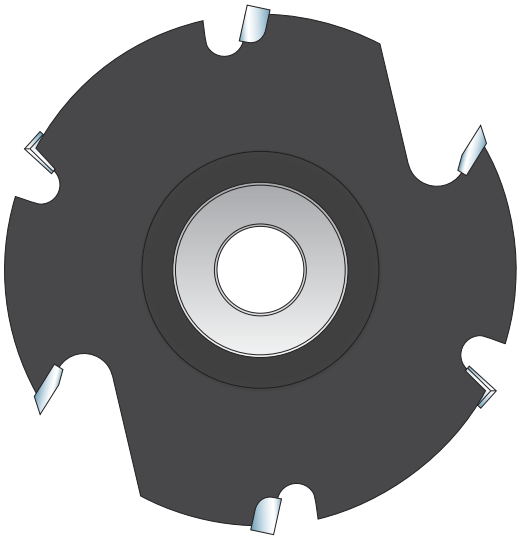
CODICE CODE	B *mm*	d *mm*	L *mm*	Z	DIAMETRI / DIAMETERS			
					D=150	D=160	D=180	D=200
SB13001	3 - 5,5	35 / 40	0 ÷ 40	4 + 4		/	/	/
SB13002	4 - 7,5	35 / 40	0 ÷ 40	4 + 4		/	/	/
SB13003	4 - 7,5	35 / 40	0 ÷ 55	4 + 4	/	/		/
SB13004	7,5 - 14,5	35 / 40	0 ÷ 40	4 + 4		/	/	/
SB13005	7,5 - 14,5	35 / 40	0 ÷ 55	4 + 4	/	/		/
SB13006	10 - 19	35 / 40	0 ÷ 45	4 + 4	/		/	/
SB13007	10 - 19	35 / 40	0 ÷ 55	4 + 4	/	/		/
SB13008	4 - 7,5	35 / 40	0 ÷ 65	8 + 8	/	/	/	
SB13009	5 - 10	35 / 40	0 ÷ 65	8 + 8	/	/	/	
SB13010	6 - 12	35 / 40	0 ÷ 65	8 + 8	/	/	/	
SB13011	7,5 - 14	35 / 40	0 ÷ 65	8 + 8	/	/	/	
SB13012	10 - 19	35 / 40	0 ÷ 65	8 + 8	/	/	/	

ESEMPI DI LAVORAZIONE
Working Example



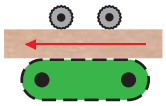
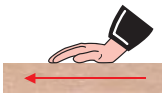






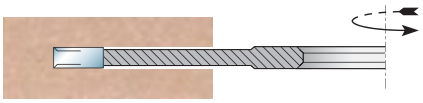
FRESA PER LAMELLO

Cutter for lamello
Lamello Nutfräser
Fresa para lamello

AVANZAMENTO / FEED	
	
MEC	**MAN**

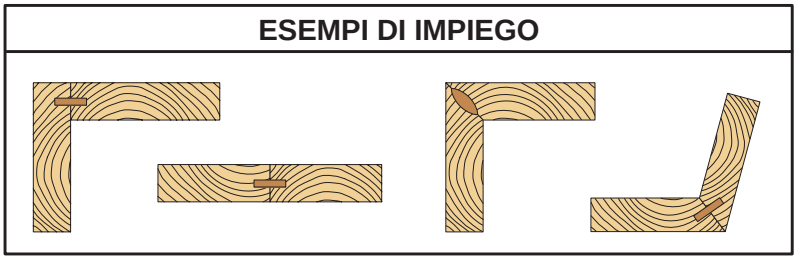
CODICE CODE	**d** *mm*	**B** *mm*	**d** *mm*	**Z**	**R**
SB14001	100	3,97	22	2	4

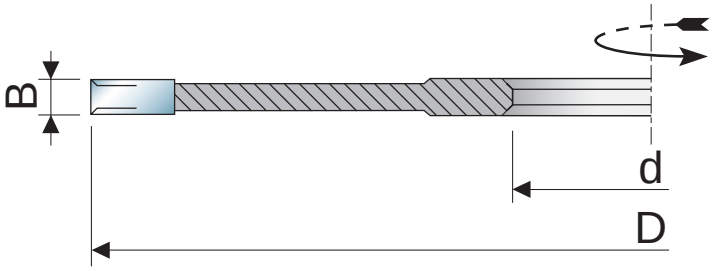
ESEMPI DI LAVORAZIONE
Working Example





ESEMPI DI IMPIEGO





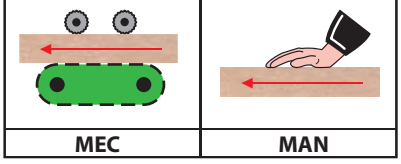


FRESA ELICOIDALE MULTITAGLIENTE

Multi-cutting planning head
Mehrschneidiger Hobelkopf
Cabezal multidientes

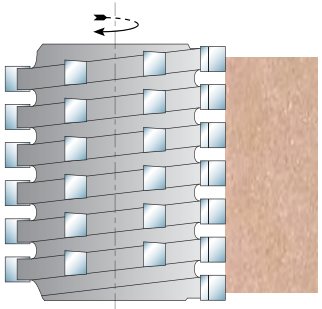
CODICE CODE	B mm	d mm	Z	DIAMETRI / DIAMETERS				
				D=80	D=100	D=120	D=125	D=140
SB15001	60	35 / 40	8					
SB15002	80	35 / 40	8					
SB15003	100	35 / 40	8					
SB15004	120	35 / 40	8					
SB15005	140	35 / 40	8					
SB15006	160	35 / 40	8					
SB15007	180	35 / 40	8					
SB15008	200	35 / 40	8					
SB15009	60	35 / 40	12	/				
SB15010	80	35 / 40	12	/				
SB15011	100	35 / 40	12	/				
SB15012	120	35 / 40	12	/				
SB15013	140	35 / 40	12	/				
SB15014	160	35 / 40	12	/				
SB15015	180	35 / 40	12	/				
SB15016	200	35 / 40	12	/				
SB15017	60	35 / 40	16	/				
SB15018	80	35 / 40	16	/				
SB15019	100	35 / 40	16	/				
SB15020	120	35 / 40	16	/				
SB15021	140	35 / 40	16	/				
SB15022	160	35 / 40	16	/				
SB15023	180	35 / 40	16	/				
SB15024	200	35 / 40	16	/				

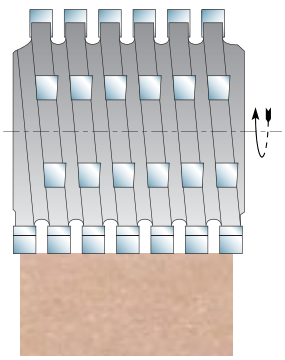
AVANZAMENTO / FEED

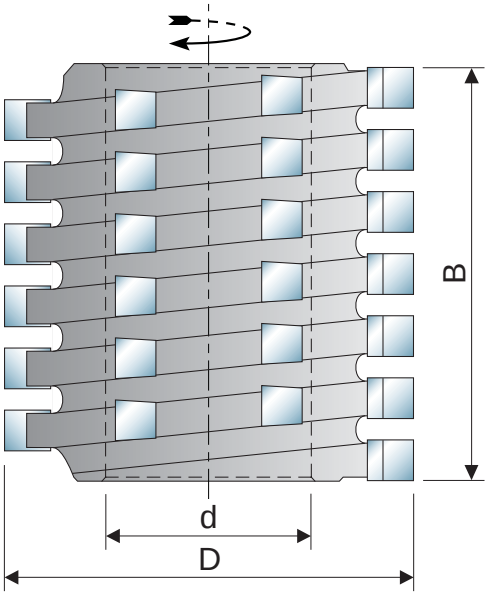


MEC | MAN

ESEMPI DI LAVORAZIONE
Working Example







MONTENERO WOODWORKING·TOOLS

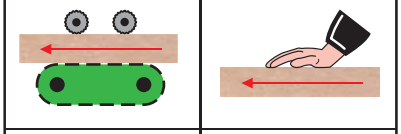


FRESA ELICOIDALE MULTITAGLIENTE CON ROMPITRUCCIOLO

Multi-cutting planning head with chip breaker
Mehrschneidiger Hobelkopf mit Spannbrecher
Cabezal multidientes con rompevirutas

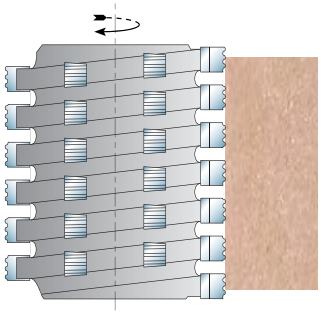
CODICE CODE	B *mm*	d *mm*	Z	DIAMETRI / DIAMETERS		
				D=100	D=120	D=140
SB16001	80	35 / 40	12			
SB16002	100	35 / 40	12			
SB16003	120	35 / 40	12			
SB16004	140	35 / 40	12			
SB16005	160	35 / 40	12			
SB16006	180	35 / 40	12			
SB16007	80	35 / 40	16			
SB16008	100	35 / 40	16			
SB16009	120	35 / 40	16			
SB16010	140	35 / 40	16			
SB16011	160	35 / 40	16			
SB16012	180	35 / 40	16			

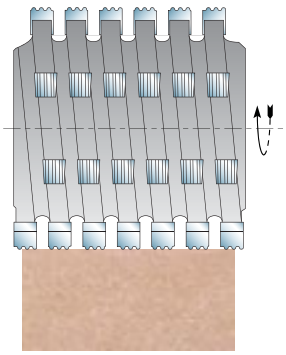
AVANZAMENTO / FEED

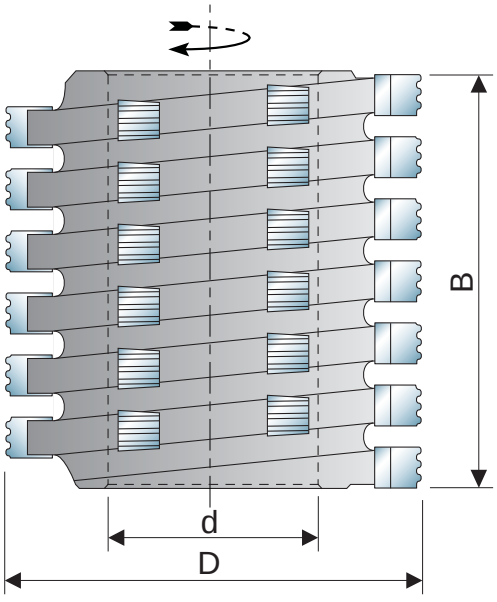


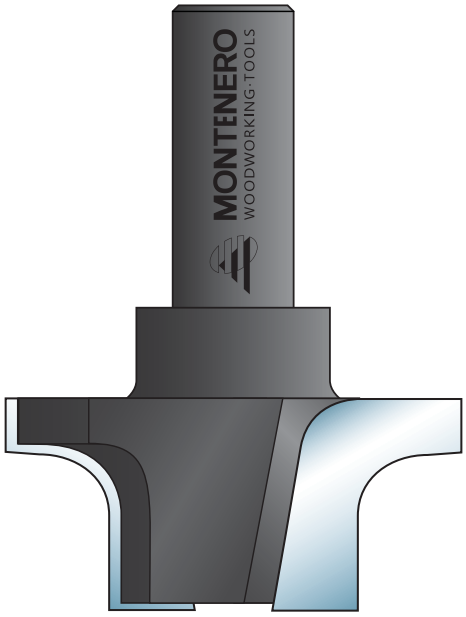
MEC | MAN

ESEMPI DI LAVORAZIONE
Working Example



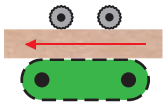
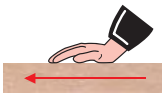






PUNTA SAGOMATA - PROFILO SEMPLICE

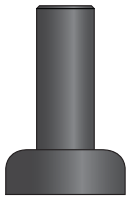
Profiled router - Simple profile
Schaftfräser für einfache Profile
Broca perfilada - Perfil simple

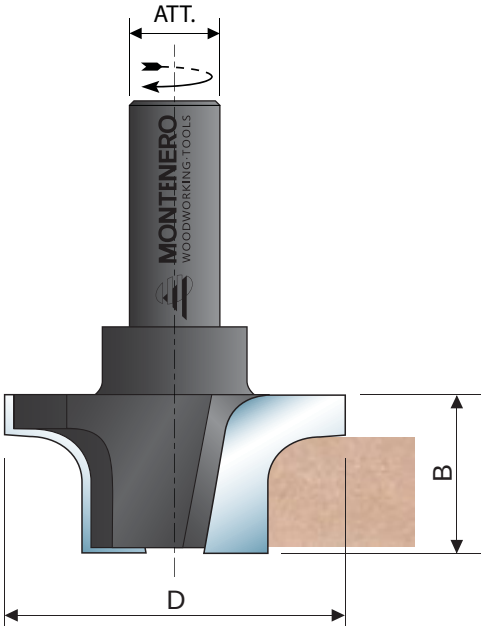
AVANZAMENTO / FEED	
	
MEC	**MAN**

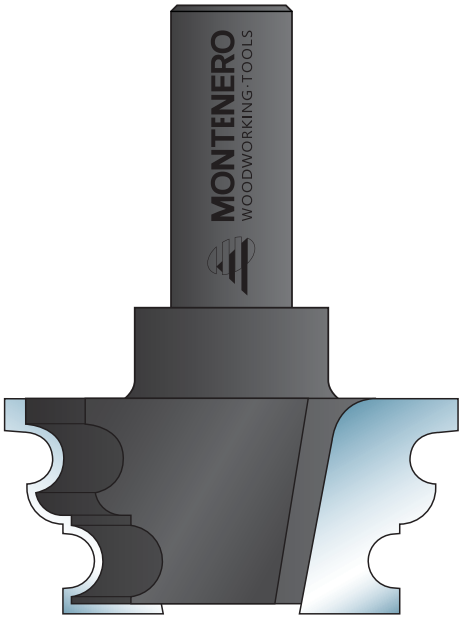
CODICE CODE	**B** *mm*	**ATTACCO** / SHANK		**Z**	**DIAMETRI** / DIAMETERS							
		d *mm*	***l*** *mm*		**D=30**	**D=40**	**D=50**	**D=60**	**D=70**	**D=80**	**D=100**	**D=120**
SB17001	15	20 ÷ 25	50	2								
SB17002	20	20 ÷ 25	50	2								
SB17003	25	20 ÷ 25	50	2								/
SB17004	30	20 ÷ 25	50	2								/
SB17005	40	20 ÷ 25	50	2								/
SB17006	50	20 ÷ 25	50	2								/

Specificare nell'ordine il senso di rotazione e il tipo di attacco
Specify tool's rotation and shank type in the order
Bitte Drehrichung und Schaftmodell bei der Bestellung angeben
Indique en el pedido la rotación y el tipo de enganche de la herramienta

TIPOLOGIA DI ATTACCO
SHANK TYPE

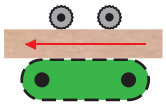
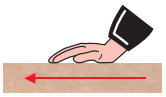
	
20/25 x 50	**MK2**





PUNTA SAGOMATA - PROFILO COMPLESSO

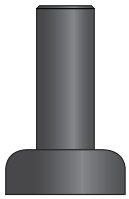
Profiled router - Complex profile
Schaftfräser für schwierige Profile
Broca perfilada - Perfil complejo

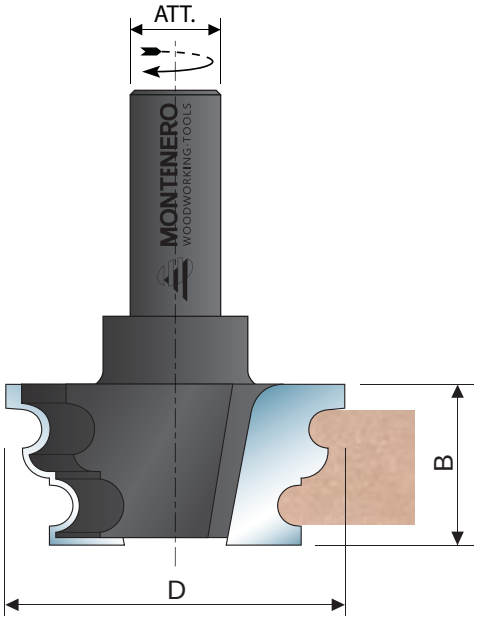
AVANZAMENTO / FEED	
	
MEC	**MAN**

CODICE CODE	**B** *mm*	**ATTACCO** / SHANK		**Z**	**DIAMETRI** / DIAMETERS							
		d *mm*	***l*** *mm*		**D=30**	**D=40**	**D=50**	**D=60**	**D=70**	**D=80**	**D=100**	**D=120**
SB18001	15	20 ÷ 25	50	2								
SB18002	20	20 ÷ 25	50	2								
SB18003	25	20 ÷ 25	50	2								/
SB18004	30	20 ÷ 25	50	2								/
SB18005	40	20 ÷ 25	50	2								/
SB18006	50	20 ÷ 25	50	2								/

Specificare nell'ordine il senso di rotazione e il tipo di attacco
Specify tool's rotation and shank type in the order
Bitte Drehrichung und Schaftmodell bei der Bestellung angeben
Indique en el pedido la rotación y el tipo de enganche de la herramienta

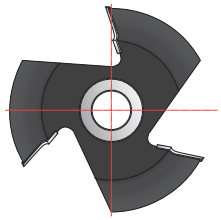
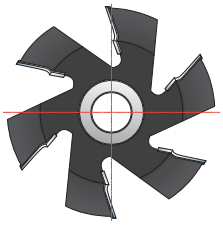
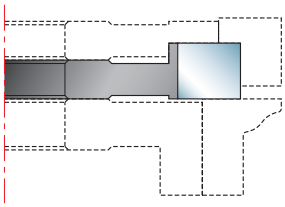
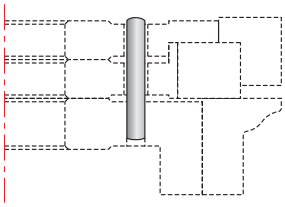
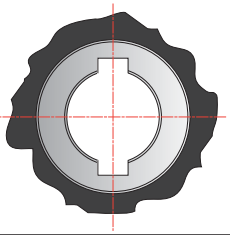
TIPOLOGIA DI ATTACCO
SHANK TYPE

	
20/25 x 50	**MK2**



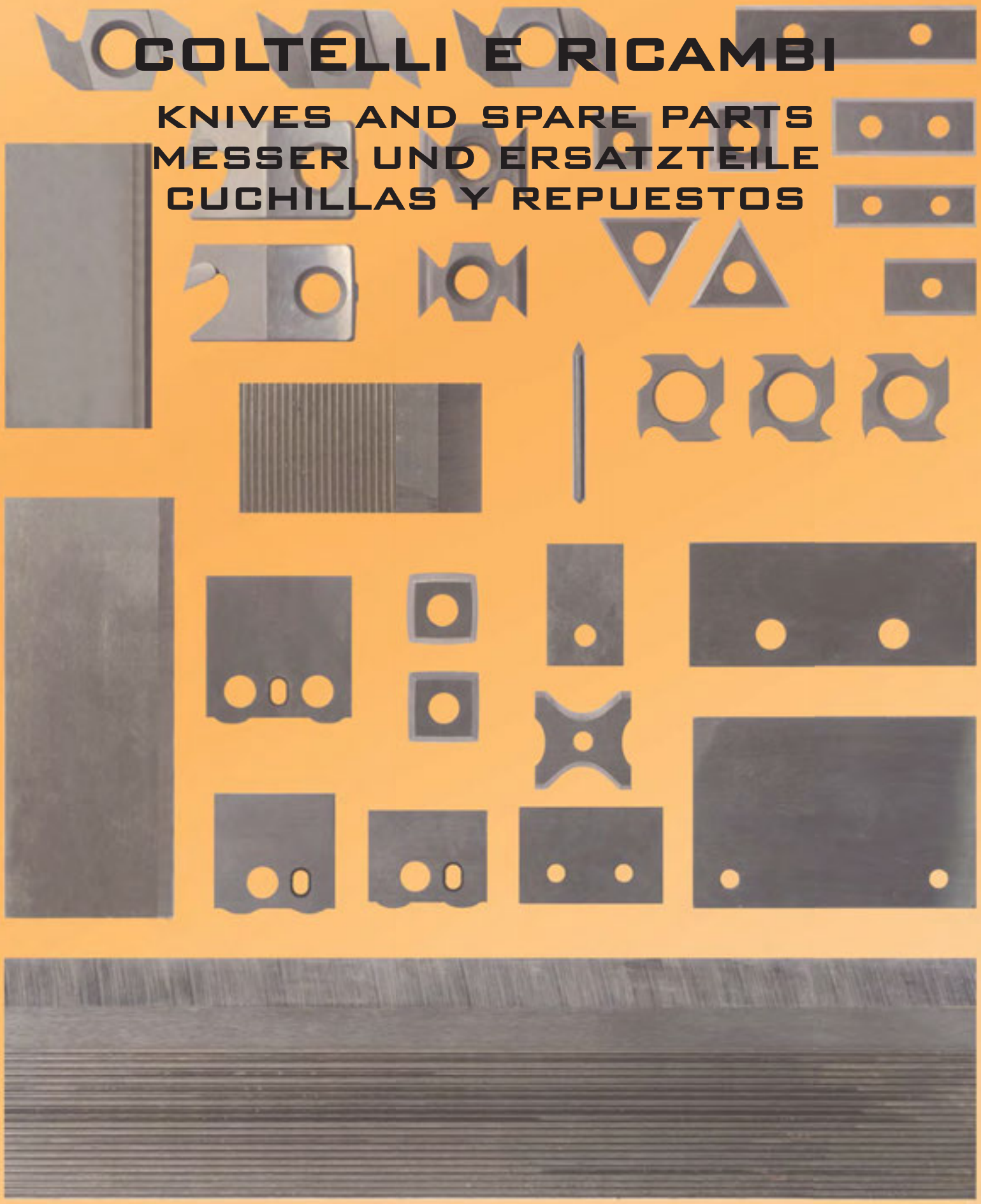
MAGGIORAZIONI PER LAVORAZIONI AGGIUNTIVE

SURCHARGE FOR ADDITIONAL WORKS
AUFPREISE FÜR ZUSÄTZLICHE BEARBEITUNGEN
SUPLEMENTOS POR TRABAJOS AÑADIDOS

	**PER FRESE CON Z=3** Z3 cutters Z3 Fräser Z3 fresas	**-10%**
	**PER FRESE CON Z=6** Z6 cutters Z6 Fräser Z6 fresas	**+20%**
	**PER L'ACCOPPIAMENTO DI PIU' FRESE** Set of different tools Zusammenstellung verschiedener Fräsern Composición de mas fresas	**+10%**
	**PER L'ACCOPPIAMENTO DI PIU' FRESE CON SPINA DI TRASCINAMENTO** Coupling different cutters with traction pins Zusammenstellung verschiedener Fräsern mit Mitnehmerbolzen Composición de mas fresas con perno de arrastre	**+10%**
	**PER L'ESECUZIONE DI 2 CAVE PER CHIAVETTE** Execution of 2 keys DKN Ausführung Realización 2 chaveteros	

COLTELLI E RICAMBI

KNIVES AND SPARE PARTS
MESSER UND ERSATZTEILE
CUCHILLAS Y REPUESTOS



MONTENERO
WOODWORKING·TOOLS

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MONTENERO WOODWORKING·TOOLS

Coltello per refilare, raggiare e arrotondare CRRA **385**
Knife for trimming, rounding and make radius • Messer für kanten, radien und abrunden
Cuchilla para desbarbar,redondear y hacer radio

Inserto per incastri Z2 IPC **386**
Insert for grooving Z2 • Nuten-Insert Z2
Inserto para ranuras Z2

Inserto per incastri Z1 BGT **386**
Insert for grooving Z1 • Nuten-Insert Z1
Inserto para ranuras Z1

Coltello reversibile per incastri IPCZ4 **386**
Reversible knives for grooving • Wendeschneidplatte für Nuten
Cuchilla reversible para ranuras

Inserto raggiatore e spigolatore speciale CSPS **387**
Special Insert for trimming and beveling • Spezial Kanten-Abrund-Insert
Inserto especiál radiar y achaflanar

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Cuchilla reversible para cabezal para cepillar - Bulldozer

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Reversible knives for planing heads - Centrolock • Wendeschneidplatte für Planfräser - Centrolock
Cuchilla reversible para cabezal para cepillar - Centrolock

Coltello per pialla da 3 mm in HSS 18% CP **390**
Knife for planing heads, 3 mm in HSS 18% • Messer für Planfräser, 3 mm HSS 18%
Cuchilla para cabezal para cepillar, 3 mm en HSS 18%

Coltello per pialla da 3 mm con placca in HW (HSS+HW) CPWR **391**
Knife for planing heads, 3 mm with HW plate (HSS+HW) • Messer für Planfräser, 3 mm mit HW Platte (HSS+HW)
Cuchilla para cabezal para cepillar, 3 mm con placa HW (HSS+HW)

Coltello per pialla da 3 mm in HW integrale CW **392**
HW solidcarbide knife 3 mm for planing heads • HW Vollhartsmetall Messer für Planfräser
Cuchilla para cabezal para cepillar, 3 mm con placa HW (HSS+HW)

Coltello zigrinato in HSS 18% CR **393**
Back corrugated knife in HSS 18% • Rückverzahntes Messer aus HSS 18%
Cuchilla corrugada en HSS 18%

Coltello zigrinato con placca in HW (HSS+HW) CRWR **394**
Back corrugated knife with HW plate (HSS+HW) • Rückverzahntes Messer mit HW Plakette (HSS+HW)
Cuchilla corrugada con placa en HW (HSS+HW)

Sistema Super Pack CRAB **395**
Super Pack System • Super Pack System
Sistema Super Pack

Coltello sagomato da 2 mm CRS **396**
Profiled knife 2 mm • Profiliertes Messer 2 mm
Cuchilla perfilada 2 mm

Coltello sagomato a gettare CRSG **397**
Disposable profiled knives • Einweg-Profilmesser
Cuchilla perfilada , usar y tirar

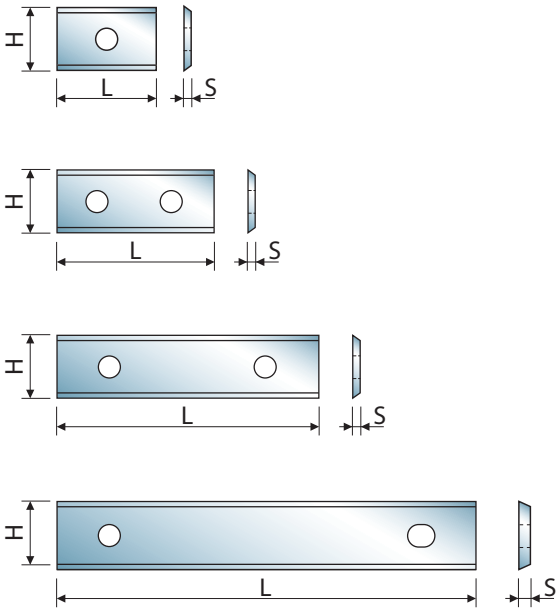
Coltello sagomato da 3 mm CRS **398**
Profiled knife 3 mm • Profiliertes Messer 3 mm
Cuchilla perfilada 3 mm

Coltello tipo FIX FIX **400**
Knife Fix • Messer Fix
Cuchilla Fix

Boccole di assemblaggio BOCCOLE **402**
Assembling sleeves • Casquillos de ensamblaje
Casquillos de ensamblaje

Anelli distanziali DISTANZIALI **403**
Spacer rings • Zwischenringe
Zwischenringe

CGZ2

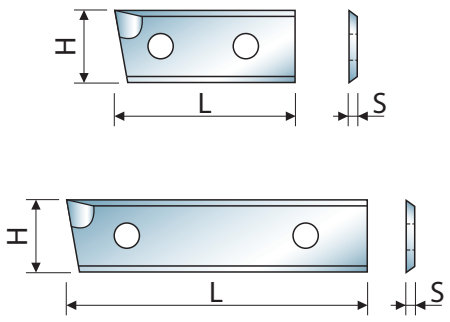


COLTELLO REVERSIBILE STANDARD

Standard reversible knife
Standard-Wendeschneidplatte
Cuchilla reversible estándar

CODICE CODE	L mm	H mm	S mm	FORI	Z	TIPO GRADE
CGZ201	7,5	12	1,5	1	2	GDR04
CGZ202	7,5	12	1,5	1	2	GDR03
CGZ203	8,6	12	1,5	1	2	GDR04
CGZ204	9,6	12	1,5	1	2	GDR04
CGZ205	15	12	1,5	1	2	GDR04
CGZ206	15	12	1,5	1	2	GDR03
CGZ207	20	12	1,5	1	2	GDR04
CGZ208	20	12	1,5	1	2	GDR03
CGZ209	25	12	1,5	1	2	GDR04
CGZ210	25	12	1,5	2	2	GDR04
CGZ211	30	12	1,5	2	2	GDR04
CGZ212	30	12	1,5	2	2	GDR03
CGZ213	40	12	1,5	2	2	GDR04
CGZ214	40	12	1,5	2	2	GDR03
CGZ215	50	12	1,5	2	2	GDR04
CGZ216	50	12	1,5	2	2	GDR03
CGZ217	60	12	1,5	2	2	GDR04
CGZ218	60	12	1,5	2	2	GDR03
CGZ219	80	13	2,2	2	2	GDR04
CGZ220	100	13	2,2	2	2	GDR04
CGZ221	120	13	2,2	2	2	GDR04

CG45



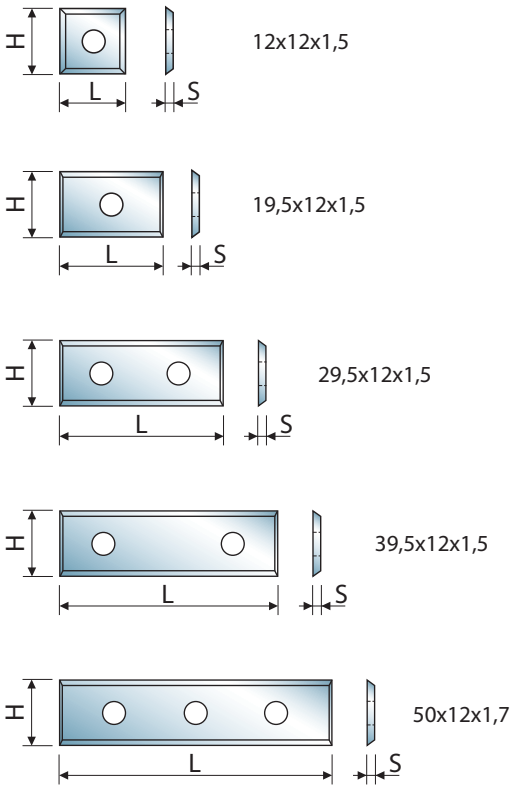
COLTELLO PUNTE PER FOLDING

Knife for Folding router
Messer für Folding-Fräser
Cuchilla para brocas para Folding

CODICE CODE	L mm	H mm	S mm	FORI	Z	ROTAZ. ROTAT.	TIPO GRADE
CG4501	29	12	1,5	2	1	R	GDR04
CG4502	29	12	1,5	2	1	L	GDR04
CG4503	49	12	1,5	2	1	R	GDR04
CG4504	49	12	1,5	2	1	L	GDR04

COLTELLO REVERSIBILE 4 TAGLIENTI

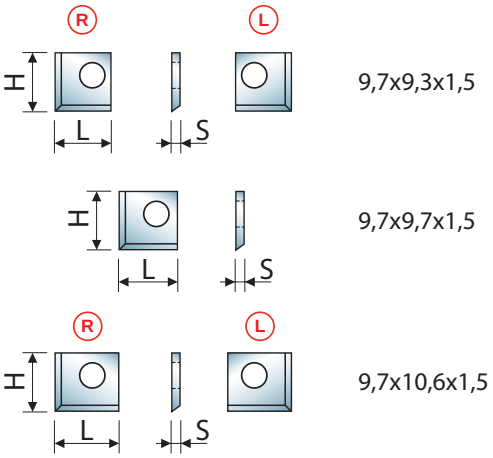
Reversible knife with 4 cutting edges
Wendeschneidplatte mit 4 Schneidkanten
Cuchilla reversible con 4 lados de corte



CODICE CODE	L mm	H mm	S mm	FORI	Z	TIPO GRADE
CGZ401	12	12	1,5	1	4	GDR04
CGZ402	12	12	1,5	1	4	GDR03
CGZ403	19,5	7	1,5	1	4	GDR04
CGZ404	19,5	12	1,5	1	4	GDR04
CGZ405	19,5	12	1,5	1	4	GDR03
CGZ406	29,5	9	1,5	2	4	GDR04
CGZ407	29,5	12	1,5	2	4	GDR04
CGZ408	29,5	12	1,5	2	4	GDR03
CGZ409	39,5	9	1,5	2	4	GDR04
CGZ410	39,5	12	1,5	2	4	GDR04
CGZ411	39,5	12	1,5	2	4	GDR03
CGZ412	49,5	9	1,5	2	4	GDR04
CGZ413	49,5	12	1,5	2	4	GDR04
CGZ414	49,5	12	1,5	2	4	GDR03
CGZ415	49,5	12	1,5	2	4	GDR10
CGZ416	50	12	1,7	3	4	GDR04
CGZ417	50	12	1,7	3	4	GDR03

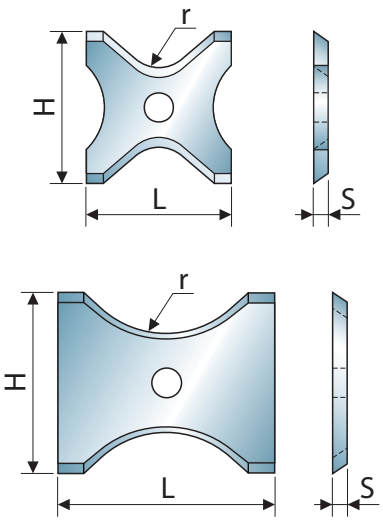
COLTELLO FORANTE PER PUNTE GP

Drilling knife for GP router bits
Einbohrschneide für GP-Fräser
Cuchilla a taladrar para broca GP



CODICE CODE	L mm	H mm	S mm	FORI	Z	ROTAZ. ROTAT.	TIPO GRADE
CGGP01	9,7	9,3	1,5	1	2	R	GDR04
CGGP02	9,7	9,3	1,5	1	2	L	GDR04
CGGP03	9,7	9,7	1,5	1	2	R / L	GDR04
CGGP04	9,7	10,6	1,5	1	2	R	GDR04
CGGP05	9,7	10,6	1,5	1	2	L	GDR04

CRR

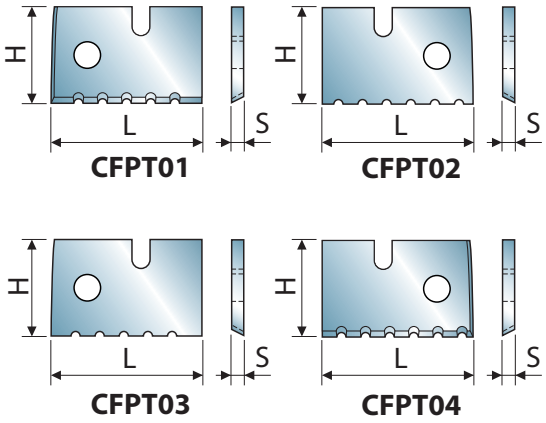


COLTELLO RAGGIATO 2 LATI

Two-sided radius knife
Messer mit 2 Radiuskanten
Cuchilla con 2 lados radiados

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	r *mm*	TIPO GRADE
CRR01	21	20	2	2	5	GDR04
CRR02	21	20	2	2	6	GDR04
CRR03	21	20	2	2	8	GDR04
CRR04	25	30	2	2	14	GDR04
CRR05	25	30	2	2	15	GDR04
CRR06	25	30	2	2	16	GDR04

CFPT

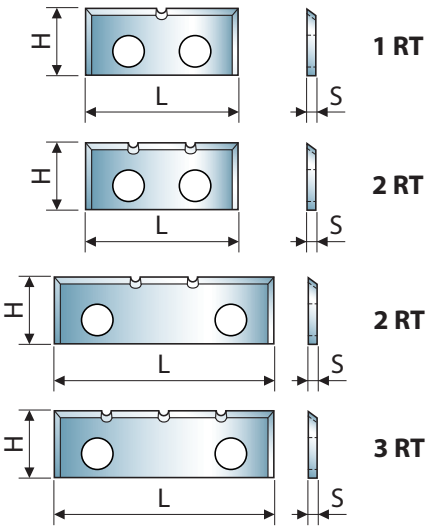


COLTELLO FORANTE PER TR070

Drilling knife for TR070
Einbohrschneide für TR070
Cuchilla a taladrar para TR070

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO GRADE
CFPT01	25	16	2	1	GDR04
CFPT02	25	16	2	1	GDR04
CFPT03	25	16	2	1	GDR04
CFPT04	25	16	2	1	GDR04

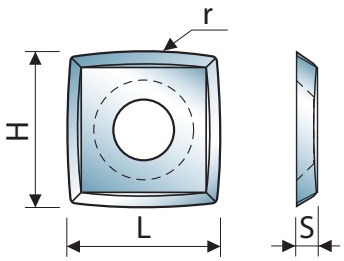
CMT



COLTELLO PER PUNTA PER SERRATURE

Cutter's knife for lock set
Messer für Schlosskastenfräser
Cuchilla para brocas para cerraduras

CODICE CODE	L *mm*	H *mm*	S *mm*	RT	Z	TIPO GRADE
CMT01	16	7	1,5	1	3	GDR04
CMT02	16	7	1,5	2	3	GDR04
CMT03	23	6	1,5	2	3	GDR03
CMT04	23	6	1,5	3	3	GDR03
CMT05	23	7	1,5	2	3	GDR03
CMT06	23	7	1,5	3	3	GDR03



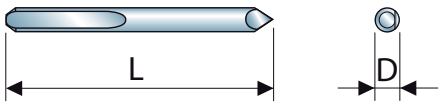
COLTELLO REVERSIBILE CON RAGGIO E ANGOLI ARROTONDATI

Reversible radius knife with rounded angles
Wendeschneidplatte mit Radius und Abrundkanten
Cuchilla reversible con rayo y cantos redondeados

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	r *mm*	TIPO GRADE
CRB01	15	15	2,5	4	150	GDR10
CRB02	15	15	2,5	4	50	GDR10

CNTR

CENTRINO PER PUNTE

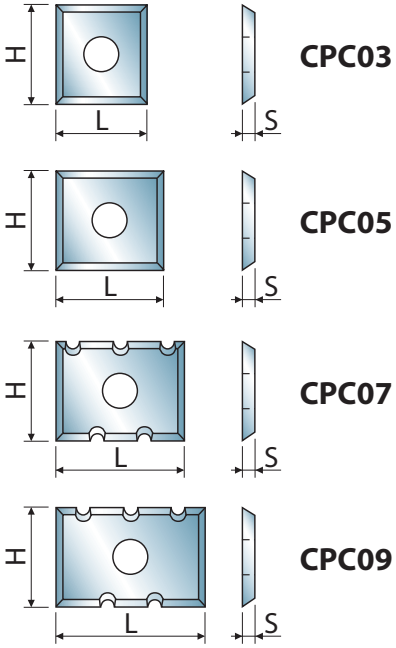


Centering point for router
Zentrierspitze für Oberfräser
Punta centraje para brocas

CODICE CODE	L *mm*	D *mm*	TIPO GRADE
CNTR01	33,5	3	GDR08

CPC

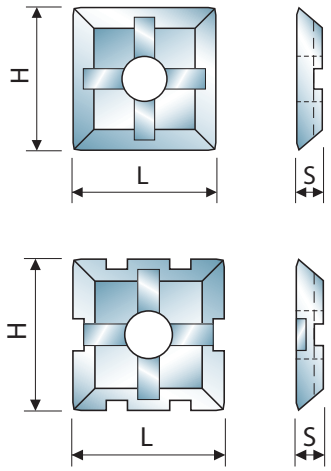
COLTELLO REVERSIBILE PER GP130



Reversible knife for GP130
Wendeschneidplatte für GP130
Cuchilla reversible para GP130

CODICE CODE	L *mm*	H *mm*	S *mm*	FORI HOLES	Z	TIPO GRADE
CPC01	10,5	12	1,5	1	2	GDR04
CPC02	10,5	12	1,5	1	2	GDR03
CPC03	11	12	1,5	1	2	GDR04
CPC04	11	12	1,5	1	2	GDR03
CPC05	13	12	1,5	1	2	GDR04
CPC06	13	12	1,5	1	2	GDR03
CPC07	15,5	12	1,5	1	2 + RT	GDR04
CPC08	15,5	12	1,5	1	2 + RT	GDR03
CPC09	18	12	1,5	1	2 + RT	GDR04
CPC10	18	12	1,5	1	2 + RT	GDR03

CRC

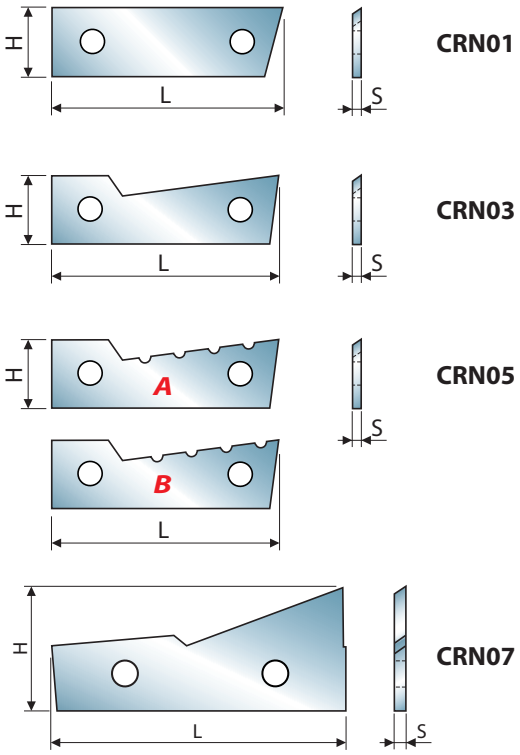


COLTELLO REVERSIBILE CON CROCE DI CENTRAGGIO E BOTTE

Crowed reversible knife with centering cross
Gewölbtes Wendeschneidplatte mit Zentrierkreuz
Cuchilla combada reversible con cruz de centraje

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO GRADE
CRC01	14,3	14,3	2,8	4	GDR04
CRC02	14,3	14,3	2,8	4 + RT	GDR04

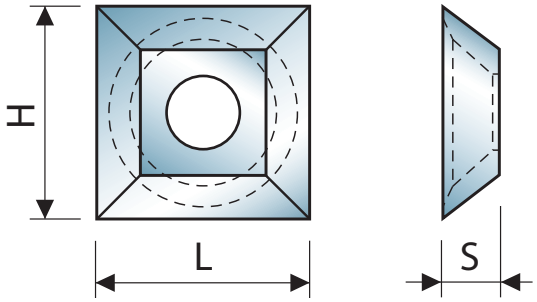
CRN



COLTELLO PER CODA DI RONDINE

Knife for dovetail execution
Messer für Schwalbenschwanzsführung
Cuchilla para ejecución de cola de Milano

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO GRADE
CRN01	40	12	1,5	1	GDR04
CRN02	40	12	1,5	1	GDR04
CRN03	39,5	12	1,5	1	GDR04
CRN04	39,5	12	1,5	1	GDR04
CRN05	39,5	12	1,5	1 + RT	GDR04
CRN06	39,5	12	1,5	1 + RT	GDR04
CRN07	51	21,5	2	1	GDR04
CRN08	51	21,5	2	1	GDR04
CRN09	51	21,5	2	1 + RT	GDR04
CRN10	51	21,5	2	1 + RT	GDR04
CRN11	38	18	2	1	GDR04
CRN12	38	18	2	1	GDR04
CRN13	38	18	2	1 + RT	GDR04
CRN14	38	18	2	1 + RT	GDR04

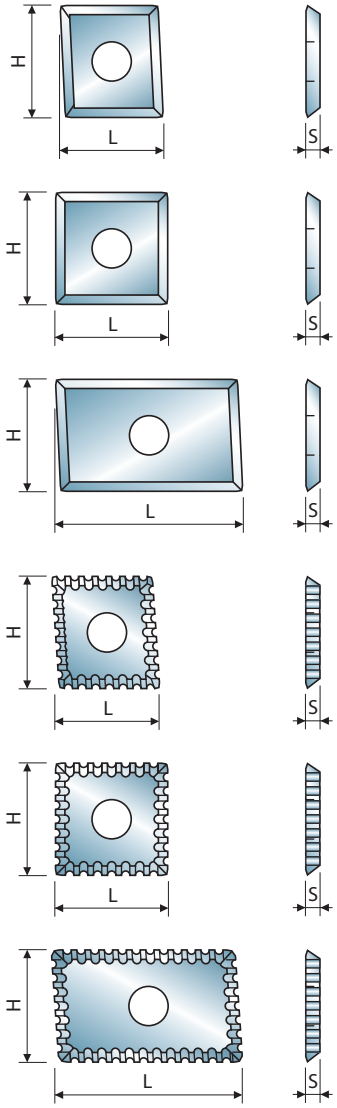


COLTELLO REVERSIBILE PER GRANDI ASPORTAZIONI

Reversible knife for big removal
Wendeschneidplatte für große Materialabfuhr
Cuchilla reversible para grande extirpación

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO GRADE
CTS01	21	21	5,5	4	GDR10

CPTB

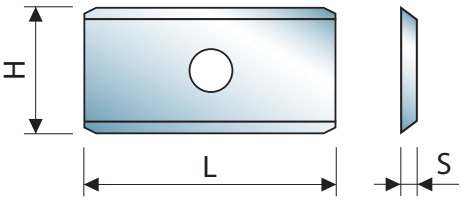


COLTELLO REVERSIBILE PER TR050-TR060

Reversible knife for TR050-TR060
Wendeschneidplatte für TR050-TR060
Cuchilla reversible para TR050-TR060

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO GRADE
CPTB01	11,6	12	1,5	4	GDR04
CPTB02	11,6	12	1,5	4	GDR04
CPTB03	12	12	1,5	4	GDR04
CPTB04	19,6	12	1,5	4	GDR04
CPTB05	19,6	12	1,5	4	GDR04
CPTB06	11,6	12	1,5	4 + RT	GDR04
CPTB07	11,6	12	1,5	4 + RT	GDR04
CPTB08	12	12	1,5	4 + RT	GDR04
CPTB09	19,6	12	1,5	4 + RT	GDR04
CPTB10	19,6	12	1,5	4 + RT	GDR04
CPTB11	14,3	12	1,5	4	GDR04
CPTB12	14,3	12	1,5	4	GDR04
CPTB13	17,2	12	1,5	4	GDR04
CPTB14	17,2	12	1,5	4	GDR04

CRAB

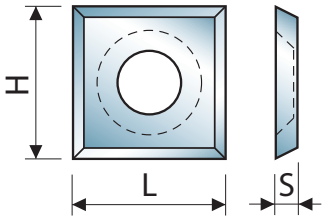


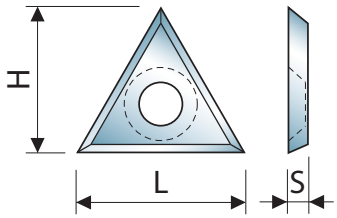
COLTELLO REVERSIBILE A BOTTE

Crowed reversible knife
Gewölbtes Wendeschneidplatte
Cuchilla combada reversible

CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
CRAB01	24	12	1,5	2	GDR04
CRAB02	24	12	1,5	2	GDR03
CRAB03	24	12	1,5	2	GDR10

RAS



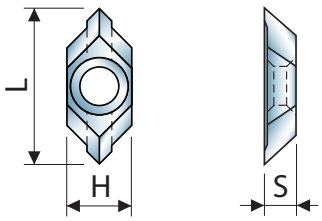


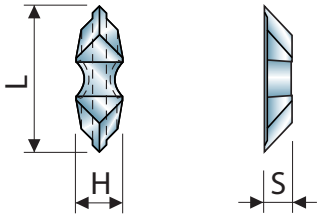
RASANTE

Spur
Vorschneider
Precortador

CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
RAS01	10	10	1,5	4	GDR08
RAS02	14	14	2	4	GDR08
RAS03	14	14	2	4	GDR03
RAS04	14	14	1,2	4	GDR08
RAS05	14	14	1,7 X 30°	4	GDR08
RAS06	22	19	2	3	GDR08

IRAS

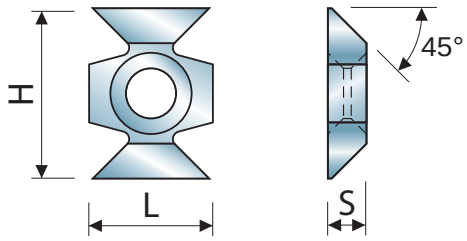




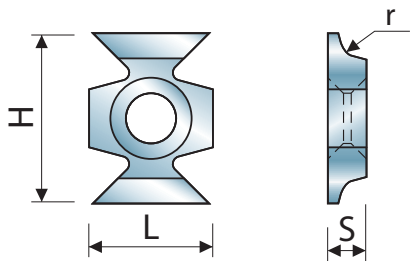
RASANTE PER PUNTA GP130

Spur for GP130
Vorschneider für GP130
Precortador para GP130

CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
IRAS01	18,9	7,9	4	2	GDR08
IRAS02	18	5,7	3,5	2	GDR04



Spigolatore a 45°



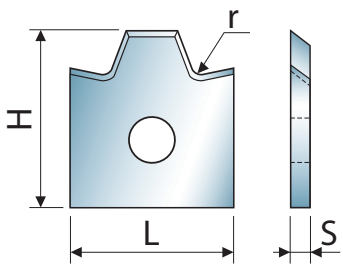
Raggiatore r= 1,5 - 2 - 3 - 4 - 5

INSERTO SPIGOLATORE E RAGGIATORE STANDARD

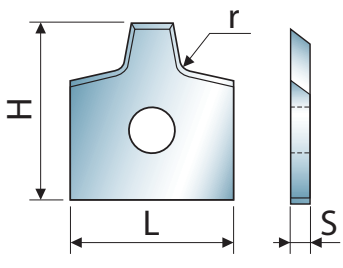
Standard insert for rounding and bevelling
Standard Kanten- und Abrund- Einsätze
Insertos estándar para redondear y achaflanar

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	PROFILO PROFILE	TIPO GRADE
SPF01	16	22	5	1	45°	GDR10
SPF02	16	22	5	1	r 1,5	GDR10
SPF03	16	22	5	1	r 2	GDR10
SPF04	16	22	5	1	r 3	GDR10
SPF05	16	22	6	1	r 4	GDR10
SPF06	16	22	6	1	r 5	GDR10

CRRA



CRRA01 - 02 - 03



CRRA04 - 05 - 06

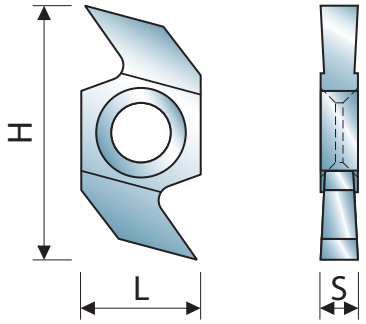
COLTELLO PER REFILARE, RAGGIARE E ARROTONDARE

Knife for trimming, rounding and make radius
Messer für kanten, radien und abrunden
Cuchilla para desbarbar, redondear y hacer radio

* **DIMENSIONE DEL RAGGIO A RICHIESTA**
Radius dimension on request
Radiusabmessung auf Anfragen
Dimensión de el radio sobre pedido

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	r *mm*	TIPO GRADE
CRRA01	16	17,5	2	2	*	GDR04
CRRA02	16	15	2	2	*	GDR04
CRRA03	16	16	2	2	*	GDR04
CRRA04	16	14,9	2	2	*	GDR04
CRRA05	16	18,9	2	2	*	GDR04
CRRA06	16	19,9	2	2	*	GDR04

IPC

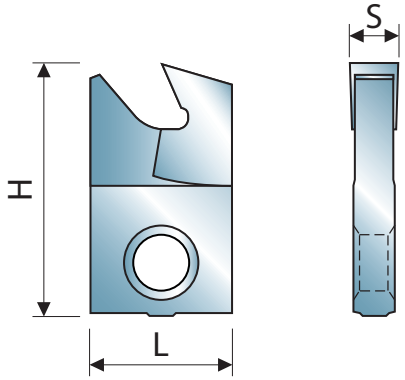


INSERTO PER INCASTRI Z2

Insert for grooving Z2
Nuten-Insert Z2
Inserto para ranuras Z2

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO *GRADE*
IPC01	16	34	3	2	GDR06
IPC02	16	34	4	2	GDR06
IPC03	16	34	5	2	GDR06
IPC04	16	34	6	2	GDR06

BGT

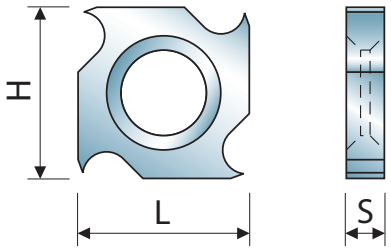


INSERTO PER INCASTRI Z1

Insert for grooving Z1
Nuten-Insert Z1
Inserto para ranuras Z1

CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO *GRADE*
BGT01	20	35,6	3	1	GDR06
BGT02	20	35,6	4	1	GDR06
BGT03	20	35,6	5	1	GDR06
BGT04	20	35,6	6	1	GDR06
BGT05	20	35,6	8	1	GDR06

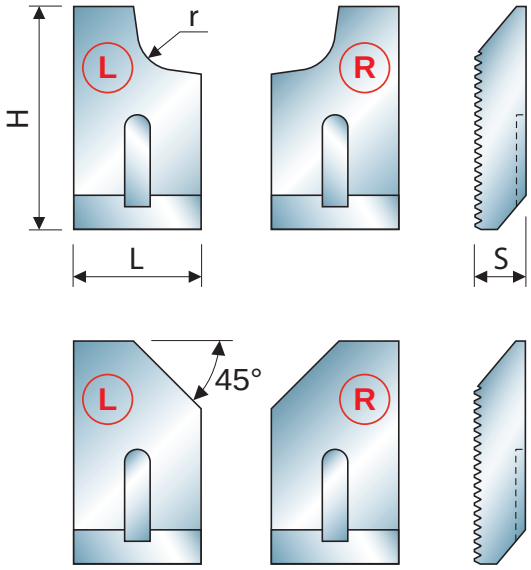
IPCZ4



COLTELLO REVERSIBILE PER INCASTRI

Reversible knives for grooving
Wendeschneidplatte für Nuten
Cuchilla reversible para ranuras

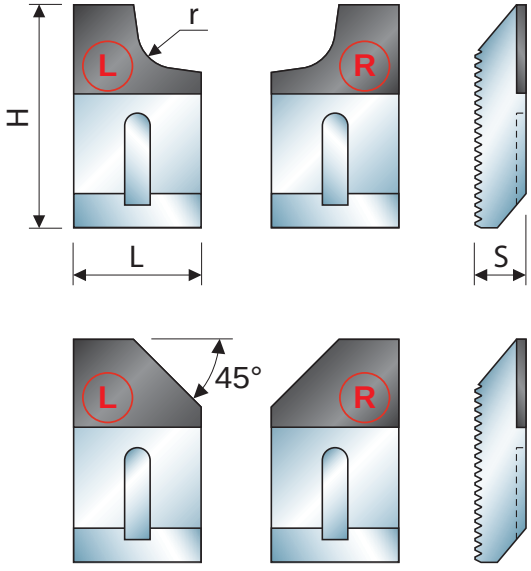
CODICE CODE	L *mm*	H *mm*	S *mm*	Z	TIPO *GRADE*
IPCZ401	18	18	1,95	4	GDR08
IPCZ402	18	18	2,45	4	GDR08
IPCZ403	18	18	2,95	4	GDR08



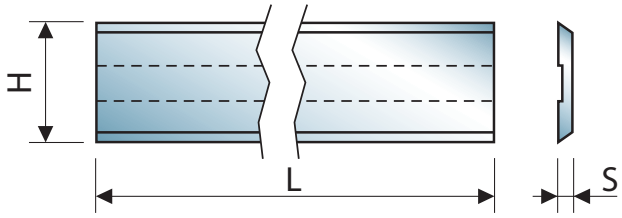
INSERTO RAGGIATORE E SPIGOLARE SPECIALE

Special Insert for trimming and beveling
Spezial Kanten-Abrund-Insert
Inserto especiál para radiar y achaflanar

CODICE CODE	L mm	H mm	S mm	PROFILO PROFILE	POS.	MATERIALE MATERIAL
CSPS01	35	20	8	45°	R	HSS 18%
CSPS02	35	20	8	r 3	R	HSS 18%
CSPS03	35	20	8	r 4	R	HSS 18%
CSPS04	35	20	8	r 5	R	HSS 18%
CSPS05	35	20	8	r 6	R	HSS 18%
CSPS06	35	20	8	r 8	R	HSS 18%
CSPS07	35	20	8	45°	L	HSS 18%
CSPS08	35	20	8	r 3	L	HSS 18%
CSPS09	35	20	8	r 4	L	HSS 18%
CSPS10	35	20	8	r 5	L	HSS 18%
CSPS11	35	20	8	r 6	L	HSS 18%
CSPS12	35	20	8	r 8	L	HSS 18%



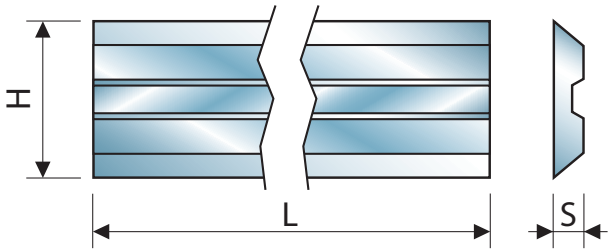
CODICE CODE	L mm	H mm	S mm	PROFILO PROFILE	POS.	MATERIALE MATERIAL
CSPS13	35	20	8	45°	R	HSS + HW
CSPS14	35	20	8	r 3	R	HSS + HW
CSPS15	35	20	8	r 4	R	HSS + HW
CSPS16	35	20	8	r 5	R	HSS + HW
CSPS17	35	20	8	r 6	R	HSS + HW
CSPS18	35	20	8	r 8	R	HSS + HW
CSPS19	35	20	8	45°	L	HSS + HW
CSPS20	35	20	8	r 3	L	HSS + HW
CSPS21	35	20	8	r 4	L	HSS + HW
CSPS22	35	20	8	r 5	L	HSS + HW
CSPS23	35	20	8	r 6	L	HSS + HW
CSPS24	35	20	8	r 8	L	HSS + HW



COLTELLO REVERSIBILE PER PIALLA BULLDOZER

Reversible knives for planing heads - Bulldozer
Wendeschneidplatte für Planfräser - Bulldozer
Cuchilla reversible para cabezal para cepillar - Bulldozer

CODICE CODE	**L** *mm*	**H** *mm*	**S** *mm*	**Z**	**TIPO** *GRADE*
CBZ01	60	13,6	1,8	2	GDR10
CBZ02	70	13,6	1,8	2	GDR10
CBZ03	80	13,6	1,8	2	GDR10
CBZ04	100	13,6	1,8	2	GDR10
CBZ05	110	13,6	1,8	2	GDR10
CBZ06	120	13,6	1,8	2	GDR10
CBZ07	130	13,6	1,8	2	GDR10
CBZ08	140	13,6	1,8	2	GDR10
CBZ09	150	13,6	1,8	2	GDR10
CBZ10	160	13,6	1,8	2	GDR10
CBZ11	180	13,6	1,8	2	GDR10
CBZ12	190	13,6	1,8	2	GDR10
CBZ13	200	13,6	1,8	2	GDR10
CBZ14	220	13,6	1,8	2	GDR10
CBZ15	230	13,6	1,8	2	GDR10
CBZ16	240	13,6	1,8	2	GDR10
CBZ17	250	13,6	1,8	2	GDR10
CBZ18	260	13,6	1,8	2	GDR10



COLTELLO REVERSIBILE PER PIALLA CENTROLOCK

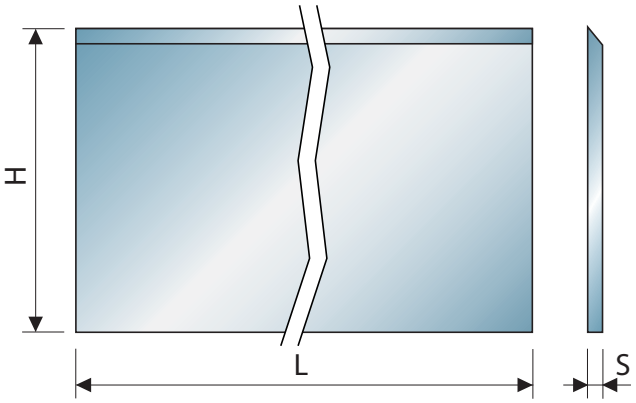
Reversible knives for planing heads - Centrolock
Wendeschneidplatte für Planfräser - Centrolock
Cuchilla reversible para cabezal para cepillar - Centrolock

HW

CODICE CODE	L *mm*	H *mm*	S *mm*	Z
CCL01	20	16	3	2
CCL02	40	16	3	2
CCL03	60	16	3	2
CCL04	65	16	3	2
CCL05	80	16	3	2
CCL06	100	16	3	2
CCL07	115	16	3	2
CCL08	130	16	3	2
CCL09	140	16	3	2
CCL10	150	16	3	2
CCL11	160	16	3	2
CCL12	170	16	3	2
CCL13	180	16	3	2
CCL14	190	16	3	2
CCL15	210	16	3	2
CCL16	220	16	3	2
CCL17	230	16	3	2
CCL18	240	16	3	2
CCL19	260	16	3	2
CCL20	270	16	3	2
CCL21	300	16	3	2
CCL22	310	16	3	2
CCL23	460	16	3	2
CCL24	650	16	3	2

HSS 18%

CODICE CODE	L *mm*	H *mm*	S *mm*	Z
CCL25	20	16	3	2
CCL26	40	16	3	2
CCL27	60	16	3	2
CCL28	65	16	3	2
CCL29	80	16	3	2
CCL30	100	16	3	2
CCL31	115	16	3	2
CCL32	130	16	3	2
CCL33	140	16	3	2
CCL34	150	16	3	2
CCL35	160	16	3	2
CCL36	170	16	3	2
CCL37	180	16	3	2
CCL38	190	16	3	2
CCL39	210	16	3	2
CCL40	220	16	3	2
CCL41	230	16	3	2
CCL42	240	16	3	2
CCL43	260	16	3	2
CCL44	270	16	3	2
CCL45	300	16	3	2
CCL46	310	16	3	2
CCL47	460	16	3	2
CCL48	650	16	3	2



COLTELLO PER PIALLA DA 3 mm IN HSS 18%

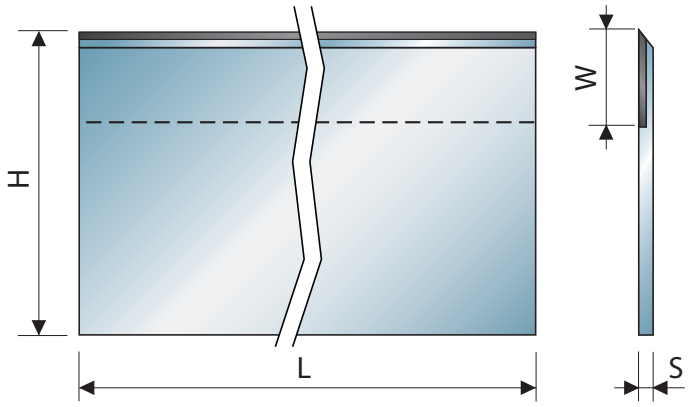
Knife for planing heads, 3 mm in HSS 18%
Messer für Planfräser, 3 mm HSS 18%
Cuchilla para cabezal para cepillar, 3 mm en HSS 18%

H= 30 mm

CODICE CODE	L *mm*	H *mm*	S *mm*
CP01	60	30	3
CP02	80	30	3
CP03	100	30	3
CP04	120	30	3
CP05	150	30	3
CP06	180	30	3
CP07	230	30	3
CP08	260	30	3
CP09	300	30	3
CP10	350	30	3
CP11	400	30	3
CP12	410	30	3
CP13	500	30	3
CP14	510	30	3
CP15	520	30	3
CP16	530	30	3
CP17	600	30	3
CP18	610	30	3
CP19	630	30	3
CP20	710	30	3
CP21	810	30	3
CP22	820	30	3
CP23	1050	30	3

H= 35 mm

CODICE CODE	L *mm*	H *mm*	S *mm*
CP24	60	35	3
CP25	80	35	3
CP26	100	35	3
CP27	120	35	3
CP28	150	35	3
CP29	180	35	3
CP30	230	35	3
CP31	260	35	3
CP32	300	35	3
CP33	350	35	3
CP34	400	35	3
CP35	410	35	3
CP36	500	35	3
CP37	510	35	3
CP38	520	35	3
CP39	530	35	3
CP40	600	35	3
CP41	610	35	3
CP42	630	35	3
CP43	710	35	3
CP44	810	35	3
CP45	820	35	3
CP46	1050	35	3



COLTELLO PER PIALLA DA 3 mm CON PLACCA IN HW (HSS + HW)

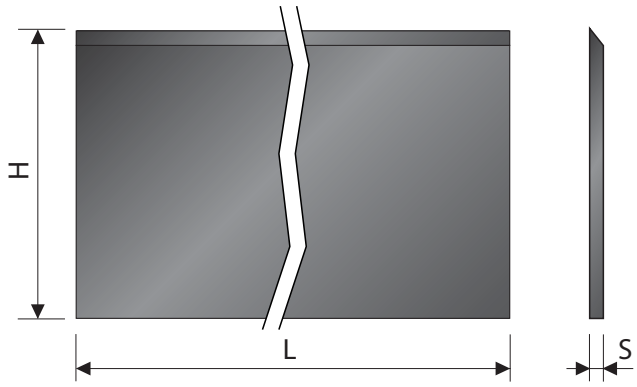
Knife for planing heads, 3 mm with HW plate (HSS+HW)
Messer für Planfräser, 3 mm mit HW Platte (HSS+HW)
Cuchilla para cabezal para cepillar, 3 mm con placa HW (HSS+HW)

H= 25 / 30 mm

CODICE CODE	L mm	H mm	S mm	W mm
CPWR01	60	25 / 30	3	11
CPWR02	80	25 / 30	3	11
CPWR03	100	25 / 30	3	11
CPWR04	120	25 / 30	3	11
CPWR05	150	25 / 30	3	11
CPWR06	180	25 / 30	3	11
CPWR07	200	25 / 30	3	11
CPWR08	230	25 / 30	3	11
CPWR09	260	25 / 30	3	11
CPWR10	300	25 / 30	3	11
CPWR11	350	25 / 30	3	11
CPWR12	400	25 / 30	3	11
CPWR13	410	25 / 30	3	11
CPWR14	500	25 / 30	3	11
CPWR15	510	25 / 30	3	11
CPWR16	520	25 / 30	3	11
CPWR17	530	25 / 30	3	11
CPWR18	600	25 / 30	3	11
CPWR19	610	25 / 30	3	11
CPWR20	630	25 / 30	3	11
CPWR21	710	25 / 30	3	11
CPWR22	810	25 / 30	3	11
CPWR23	820	25 / 30	3	11
CPWR24	1050	25 / 30	3	11

H= 35 mm

CODICE CODE	L mm	H mm	S mm	W mm
CPWR25	60	35	3	11
CPWR26	80	35	3	11
CPWR27	100	35	3	11
CPWR28	120	35	3	11
CPWR29	150	35	3	11
CPWR30	180	35	3	11
CPWR31	200	35	3	11
CPWR32	230	35	3	11
CPWR33	260	35	3	11
CPWR34	300	35	3	11
CPWR35	350	35	3	11
CPWR36	400	35	3	11
CPWR37	410	35	3	11
CPWR38	500	35	3	11
CPWR39	510	35	3	11
CPWR40	520	35	3	11
CPWR41	530	35	3	11
CPWR42	600	35	3	11
CPWR43	610	35	3	11
CPWR44	630	35	3	11
CPWR45	710	35	3	11
CPWR46	810	35	3	11
CPWR47	820	35	3	11
CPWR48	1050	35	3	11



COLTELLO PER PIALLA DA 3 mm IN HW INTEGRALE

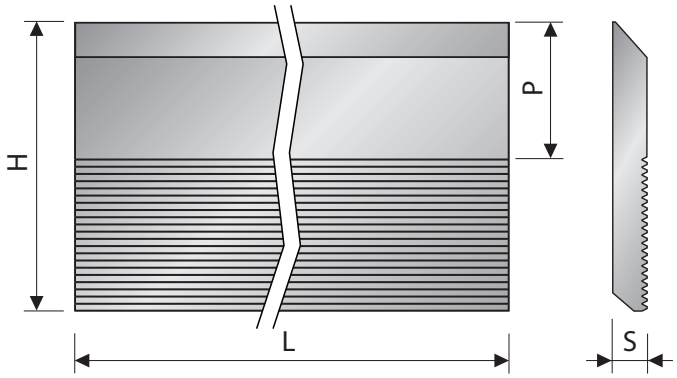
HW solidcarbide knife 3 mm for planing heads
HW Vollhartsmetall Messer für Planfräser
Cuchilla para cabezal para cepillar, 3 mm con placa HW (HSS+HW)

H= 30 mm

CODICE CODE	L *mm*	H *mm*	S *mm*
CW01	60	30	3
CW02	80	30	3
CW03	100	30	3
CW04	110	30	3
CW05	120	30	3
CW06	130	30	3
CW07	150	30	3
CW08	160	30	3
CW09	180	30	3
CW10	190	30	3
CW11	210	30	3
CW12	230	30	3
CW13	240	30	3
CW14	250	30	3
CW15	260	30	3
CW16	310	30	3

H= 35 mm

CODICE CODE	L *mm*	H *mm*	S *mm*
CW17	60	35	3
CW18	80	35	3
CW19	100	35	3
CW20	110	35	3
CW21	120	35	3
CW22	130	35	3
CW23	150	35	3
CW24	160	35	3
CW25	180	35	3
CW26	190	35	3
CW27	210	35	3
CW28	230	35	3
CW29	240	35	3
CW30	250	35	3
CW31	260	35	3
CW32	310	35	3



COLTELLO ZIGRINATO IN HSS 18%

Back corrugated knife in HSS 18%
Rückverzahntes Messer aus HSS 18%
Cuchilla corrugada en HSS 18%

H= 40 mm

CODICE CODE	L mm	H mm	P mm	S mm
CR01	40	40	8	8
CR02	50	40	8	8
CR03	60	40	8	8
CR04	80	40	8	8
CR05	90	40	8	8
CR06	100	40	8	8
CR07	120	40	8	8
CR08	130	40	8	8
CR09	150	40	8	8
CR10	180	40	8	8
CR11	200	40	8	8
CR12	230	40	8	8
CR13	260	40	8	8
CR14	650	40	8	8

H= 50 mm

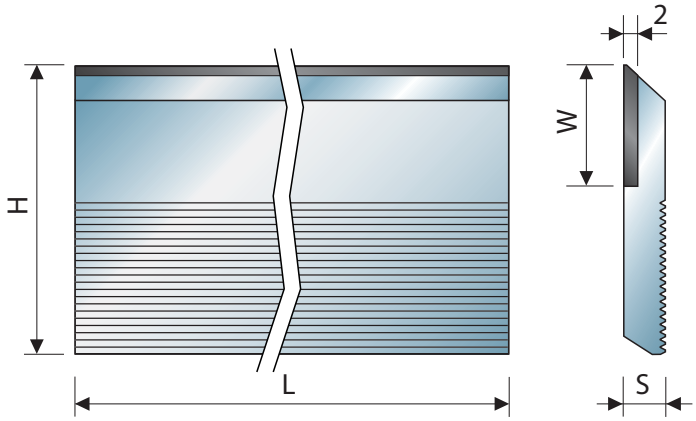
CODICE CODE	L mm	H mm	P mm	S mm
CR15	40	50	18	8
CR16	50	50	18	8
CR17	60	50	18	8
CR18	80	50	18	8
CR19	90	50	18	8
CR20	100	50	18	8
CR21	120	50	18	8
CR22	130	50	18	8
CR23	150	50	18	8
CR24	180	50	18	8
CR25	200	50	18	8
CR26	230	50	18	8
CR27	260	50	18	8
CR28	650	50	18	8

H= 60 mm

CODICE CODE	L mm	H mm	P mm	S mm
CR29	40	60	28	8
CR30	50	60	28	8
CR31	60	60	28	8
CR32	80	60	28	8
CR33	90	60	28	8
CR34	100	60	28	8
CR35	120	60	28	8
CR36	130	60	28	8
CR37	150	60	28	8
CR38	180	60	28	8
CR39	200	60	28	8
CR40	230	60	28	8
CR41	260	60	28	8
CR42	650	60	28	8

H= 70 mm

CODICE CODE	L mm	H mm	P mm	S mm
CR43	40	70	38	8
CR44	50	70	38	8
CR45	60	70	38	8
CR46	80	70	38	8
CR47	90	70	38	8
CR48	100	70	38	8
CR49	120	70	38	8
CR50	130	70	38	8
CR51	150	70	38	8
CR52	180	70	38	8
CR53	200	70	38	8
CR54	230	70	38	8
CR55	260	70	38	8
CR56	650	70	38	8



COLTELLO ZIGRINATO CON PLACCA IN HW (HSS + HW)

Back corrugated knife with HW plate (HSS+HW)
Rückverzahntes Messer mit HW Plakette (HSS+HW)
Cuchilla corrugada con placa en HW (HSS+HW)

H= 40 mm

CODICE CODE	L mm	H mm	S mm	W mm
CRWR01	40	40	10	14
CRWR02	60	40	10	14
CRWR03	80	40	10	14
CRWR04	100	40	10	14
CRWR05	130	40	10	14
CRWR06	150	40	10	14
CRWR07	180	40	10	14
CRWR08	200	40	10	14
CRWR09	230	40	10	14
CRWR10	260	40	10	14
CRWR11	310	40	10	14
CRWR12	640	40	10	14

H= 50 mm

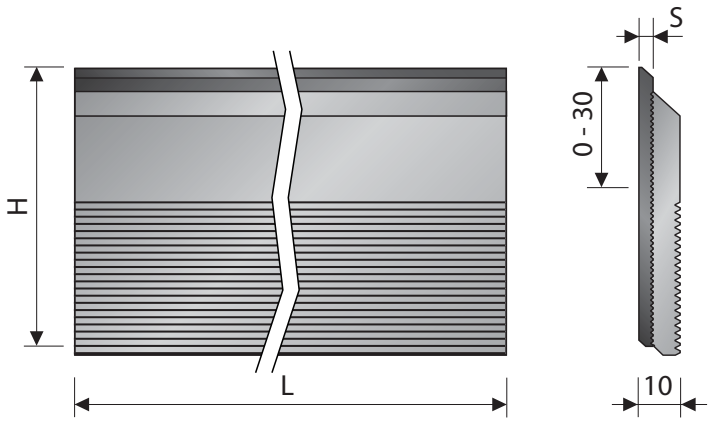
CODICE CODE	L mm	H mm	S mm	W mm
CRWR13	40	50	10	20
CRWR14	60	50	10	20
CRWR15	80	50	10	20
CRWR16	100	50	10	20
CRWR17	130	50	10	20
CRWR18	150	50	10	20
CRWR19	180	50	10	20
CRWR20	200	50	10	20
CRWR21	230	50	10	20
CRWR22	260	50	10	20
CRWR23	310	50	10	20
CRWR24	560	50	10	20
CRWR25	640	50	10	20

H= 60 mm

CODICE CODE	L mm	H mm	S mm	W mm
CRWR26	40	60	10	25
CRWR27	60	60	10	25
CRWR28	80	60	10	25
CRWR29	100	60	10	25
CRWR30	130	60	10	25
CRWR31	150	60	10	25
CRWR32	180	60	10	25
CRWR33	200	60	10	25
CRWR34	230	60	10	25
CRWR35	260	60	10	25
CRWR36	310	60	10	25
CRWR37	560	60	10	25
CRWR38	640	60	10	25

H= 70 mm

CODICE CODE	L mm	H mm	S mm	W mm
CRWR39	60	70	10	30
CRWR40	80	70	10	30
CRWR41	100	70	10	30
CRWR42	640	70	10	30



SISTEMA SUPER PACK

Super Pack System
Super Pack System
Sistema Super Pack

H= 38 mm

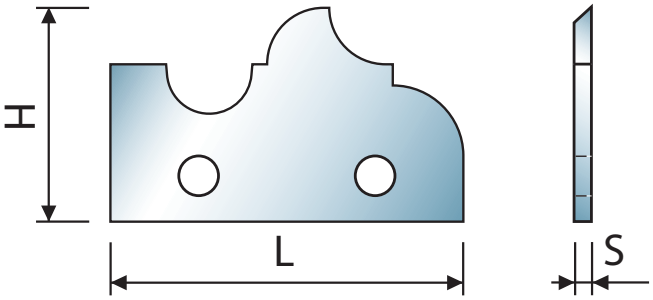
COLTELLO / Knife				**PLACCA** / Plate
CODICE CODE	**L** *mm*	**H** *mm*	**S** *mm*	**CODICE** CODE
SSP01	40	38	3,2	**PSP01**
SSP02	50	38	3,2	**PSP02**
SSP03	60	38	3,2	**PSP03**
SSP04	80	38	3,2	**PSP04**
SSP05	100	38	3,2	**PSP05**
SSP06	120	38	3,2	**PSP06**
SSP07	130	38	3,2	**PSP07**
SSP08	150	38	3,2	**PSP08**
SSP09	170	38	3,2	**PSP09**
SSP10	180	38	3,2	**PSP10**
SSP11	200	38	3,2	**PSP11**
SSP12	210	38	3,2	**PSP12**
SSP13	230	38	3,2	**PSP13**
SSP14	310	38	3,2	**PSP14**
SSP15	330	38	3,2	**PSP15**

H= 50 mm

COLTELLO / Knife				**PLACCA** / Plate
CODICE CODE	**L** *mm*	**H** *mm*	**S** *mm*	**CODICE** CODE
SSP16	40	50	3,2	**PSP16**
SSP17	50	50	3,2	**PSP17**
SSP18	60	50	3,2	**PSP18**
SSP19	80	50	3,2	**PSP19**
SSP20	100	50	3,2	**PSP20**
SSP21	120	50	3,2	**PSP21**
SSP22	130	50	3,2	**PSP22**
SSP23	150	50	3,2	**PSP23**
SSP24	170	50	3,2	**PSP24**
SSP25	180	50	3,2	**PSP25**
SSP26	200	50	3,2	**PSP26**
SSP27	210	50	3,2	**PSP27**
SSP28	230	50	3,2	**PSP28**
SSP29	310	50	3,2	**PSP29**
SSP30	330	50	3,2	**PSP30**

H= 60 mm

COLTELLO / Knife				**PLACCA** / Plate
CODICE CODE	**L** *mm*	**H** *mm*	**S** *mm*	**CODICE** CODE
SSP31	40	60	3,2	**PSP31**
SSP32	50	60	3,2	**PSP32**
SSP33	60	60	3,2	**PSP33**
SSP34	80	60	3,2	**PSP34**
SSP35	100	60	3,2	**PSP35**
SSP36	120	60	3,2	**PSP36**
SSP37	130	60	3,2	**PSP37**
SSP38	150	60	3,2	**PSP38**
SSP39	170	60	3,2	**PSP39**
SSP40	180	60	3,2	**PSP40**
SSP41	200	60	3,2	**PSP41**
SSP42	210	60	3,2	**PSP42**
SSP43	230	60	3,2	**PSP43**
SSP44	310	60	3,2	**PSP44**
SSP45	330	60	3,2	**PSP45**



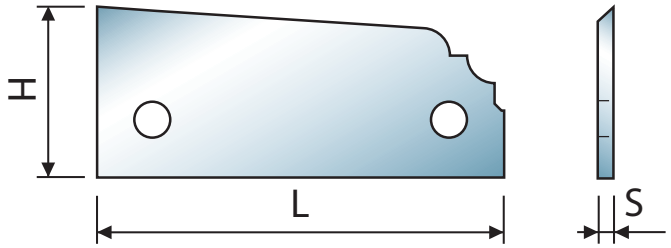
COLTELLO SAGOMATO DA 2 mm
DA 13x16 A 45x30

Profiled knife 2 mm (13x16 ÷ 45x30)
Profiliertes Messer 2 mm (13x16 ÷ 45x30)
Cuchilla perfilada 2 mm (13x16 ÷ 45x30)

CODICE CODE	L x H x S mm	QUANTITA' / QUANTITY RANGE					
		1 ÷ 5	6 ÷ 15	16 ÷ 23	24 ÷ 39	40 ÷ 63	OLTRE OVER
CRS01	13 x 16 x 2						
CRS02	16 x 25 x 2						
CRS03	17,5 x 16 x 2						
CRS04	20 x 20 x 2						
CRS05	20 x 25 x 2						
CRS06	20 x 30 x 2						
CRS07	20 x 35 x 2						
CRS08	22 x 20 x 2						
CRS09	25 x 20 x 2						
CRS10	25 x 25 x 2						
CRS11	25 x 30 x 2						
CRS12	25 x 35 x 2						
CRS13	27 x 25 x 2						
CRS14	30 x 20 x 2						
CRS15	30 x 25 x 2						
CRS16	30 x 30 x 2						
CRS17	30 x 35 x 2						
CRS18	30 x 40 x 2						
CRS19	35 x 20 x 2						
CRS20	35 x 25 x 2						
CRS21	35 x 30 x 2						
CRS22	35 x 35 x 2						
CRS23	35 x 40 x 2						
CRS24	40 x 15 x 2						
CRS25	40 x 20 x 2						
CRS26	40 x 25 x 2						
CRS27	40 x 30 x 2						
CRS28	40 x 35 x 2						
CRS29	40 x 40 x 2						
CRS30	40 x 45 x 2						
CRS31	42 x 25 x 2						
CRS32	42 x 35 x 2						
CRS33	45 x 30 x 2						

COLTELLO SAGOMATO DA 2 mm
DA 50x15 A 100x35

Profiled knife 2 mm (50x15 ÷ 100x35)
Profiliertes Messer 2 mm (50x15 ÷ 100x35)
Cuchilla perfilada 2 mm (50x15 ÷ 100x35)

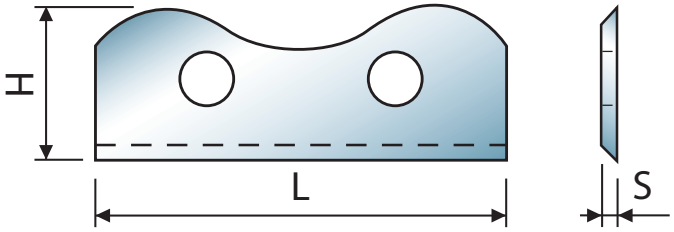


CODICE CODE	L x H x S mm	QUANTITA' / QUANTITY RANGE					
		1 ÷ 5	6 ÷ 15	16 ÷ 23	24 ÷ 39	40 ÷ 63	OLTRE OVER
CRS34	50 x 15 x 2						
CRS35	50 x 20 x 2						
CRS36	50 x 25 x 2						
CRS37	50 x 30 x 2						
CRS38	50 x 35 x 2						
CRS39	50 x 40 x 2						
CRS40	50 x 45 x 2						
CRS41	50 x 50 x 2						
CRS42	60 x 20 x 2						
CRS43	60 x 25 x 2						
CRS44	60 x 30 x 2						
CRS45	60 x 35 x 2						
CRS46	60 x 40 x 2						
CRS47	60 x 45 x 2						
CRS48	60 x 50 x 2						
CRS49	80 x 20 x 2						
CRS50	80 x 25 x 2						
CRS51	80 x 30 x 2						
CRS52	80 x 35 x 2						
CRS53	80 x 40 x 2						
CRS54	80 x 50 x 2						
CRS55	100 x 30 x 2						
CRS56	100 x 35 x 2						

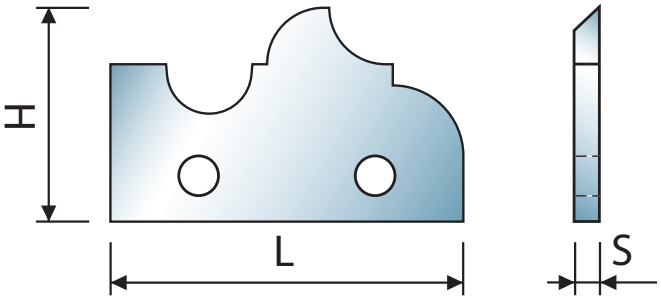
CRSG

COLTELLO SAGOMATO A GETTARE

Disposable profiled knives
Einweg-Profilmesser
Cuchilla perfilada , usar y tirar



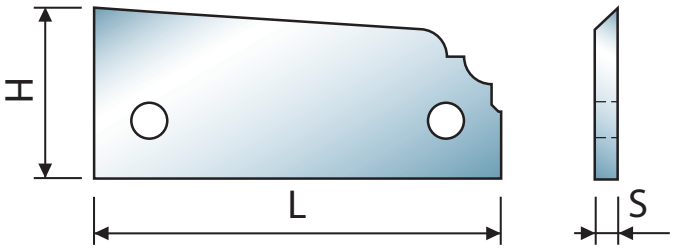
CODICE CODE	L x H x S mm
CRSG01	20 x 12 x 1,5
CRSG02	30 x 12 x 1,5
CRSG03	40 x 12 x 1,5
CRSG04	50 x 12 x 1,5
CRSG05	60 x 12 x 1,5



COLTELLO SAGOMATO DA 3 mm
DA 13x16 A 45x30

Profiled knife 3 mm (13x16 ÷ 45x30)
Profiliertes Messer 3 mm (13x16 ÷ 45x30)
Cuchilla perfilada 3 mm (13x16 ÷ 45x30)

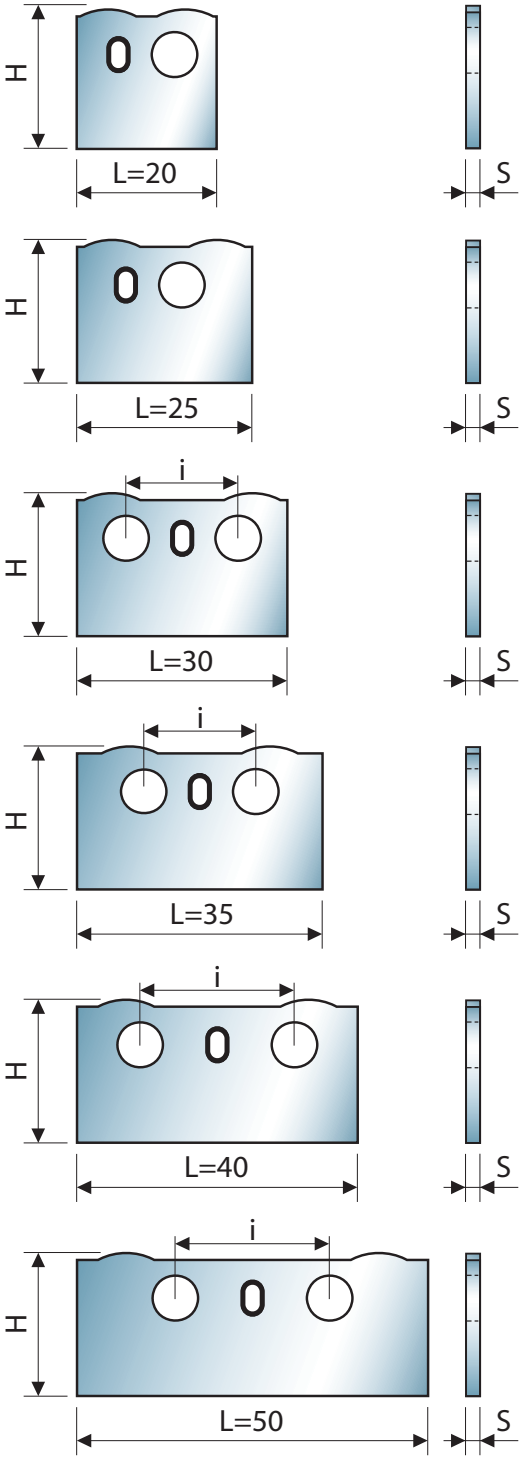
CODICE CODE	L x H x S *mm*	QUANTITA' / QUANTITY RANGE					
		1 ÷ 5	6 ÷ 15	16 ÷ 23	24 ÷ 39	40 ÷ 63	OLTRE OVER
CRS100	13 x 16 x 3						
CRS101	16 x 25 x 3						
CRS102	17,5 x 16 x 3						
CRS103	20 x 20 x 3						
CRS104	20 x 25 x 3						
CRS105	20 x 30 x 3						
CRS106	20 x 35 x 3						
CRS107	22 x 20 x 3						
CRS108	25 x 20 x 3						
CRS109	25 x 25 x 3						
CRS110	25 x 30 x 3						
CRS111	25 x 35 x 3						
CRS112	27 x 25 x 3						
CRS113	30 x 20 x 3						
CRS114	30 x 25 x 3						
CRS115	30 x 30 x 3						
CRS116	30 x 35 x 3						
CRS117	30 x 40 x 3						
CRS118	35 x 20 x 3						
CRS119	35 x 25 x 3						
CRS120	35 x 30 x 3						
CRS121	35 x 35 x 3						
CRS122	35 x 40 x 3						
CRS123	40 x 15 x 3						
CRS124	40 x 20 x 3						
CRS125	40 x 25 x 3						
CRS126	40 x 30 x 3						
CRS127	40 x 35 x 3						
CRS128	40 x 40 x 3						
CRS129	40 x 45 x 3						
CRS130	42 x 25 x 3						
CRS131	42 x 35 x 3						
CRS132	45 x 30 x 3						



COLTELLO SAGOMATO DA 3 mm
DA 50x15 A 100x35

Profiled knife 3 mm (50x15 ÷ 100x35)
Profiliertes Messer 3 mm (50x15 ÷ 100x35)
Cuchilla perfilada 3 mm (50x15 ÷ 100x35)

CODICE CODE	L x H x S mm	QUANTITA' / QUANTITY RANGE					
		1 ÷ 5	6 ÷ 15	16 ÷ 23	24 ÷ 39	40 ÷ 63	OLTRE OVER
CRS133	50 x 15 x 3						
CRS134	50 x 20 x 3						
CRS135	50 x 25 x 3						
CRS136	50 x 30 x 3						
CRS137	50 x 35 x 3						
CRS138	50 x 40 x 3						
CRS139	50 x 45 x 3						
CRS140	50 x 50 x 3						
CRS141	57 x 30 x 3						
CRS142	60 x 20 x 3						
CRS143	60 x 25 x 3						
CRS144	60 x 30 x 3						
CRS145	60 x 35 x 3						
CRS146	60 x 40 x 3						
CRS147	60 x 45 x 3						
CRS148	60 x 50 x 3						
CRS149	80 x 20 x 3						
CRS150	80 x 25 x 3						
CRS151	80 x 30 x 3						
CRS152	80 x 35 x 3						
CRS153	80 x 40 x 3						
CRS154	80 x 50 x 3						
CRS155	100 x 30 x 3						
CRS156	100 x 35 x 3						



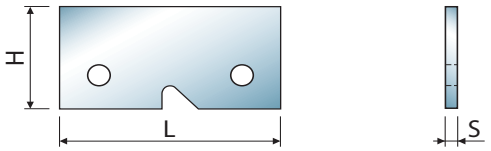
COLTELLO TIPO FIX

Knife Fix
Messer Fix
Cuchilla Fix

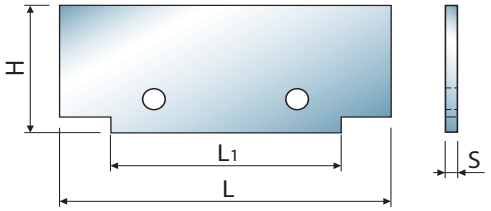
CODICE CODE	L mm	H mm	S mm	FORI / HOLES n°	FORI / HOLES i	Z	TIPO GRADE
FIX01	15	20	2	1	/	1	GDR04
FIX02	15	25	2	1	/	1	GDR04
FIX03	15	30	2	1	/	1	GDR04
FIX04	20	20	2	1	/	1	GDR04
FIX05	20	25	2	1	/	1	GDR04
FIX06	20	30	2	1	/	1	GDR04
FIX07	20	35	2	1	/	1	GDR04
FIX08	25	20	2	1	/	1	GDR04
FIX09	25	25	2	1	/	1	GDR04
FIX10	25	30	2	1	/	1	GDR04
FIX11	25	35	2	1	/	1	GDR04
FIX12	30	20	2	2	16	1	GDR04
FIX13	30	25	2	2	16	1	GDR04
FIX14	30	30	2	2	16	1	GDR04
FIX15	30	35	2	2	16	1	GDR04
FIX16	35	25	2	2	16	1	GDR04
FIX17	35	30	2	2	16	1	GDR04
FIX18	35	35	2	2	16	1	GDR04
FIX19	35	40	2	2	16	1	GDR04
FIX20	40	30	2	2	22	1	GDR04
FIX21	40	35	2	2	22	1	GDR04
FIX22	40	40	2	2	22	1	GDR04
FIX23	40	45	2	2	22	1	GDR04
FIX24	50	25	2	2	22	1	GDR04
FIX25	50	30	2	2	22	1	GDR04
FIX26	50	35	2	2	22	1	GDR04
FIX27	50	40	2	2	22	1	GDR04
FIX28	60	25	2	2	30	1	GDR04
FIX29	60	30	2	2	30	1	GDR04
FIX30	60	35	2	2	30	1	GDR04
FIX31	60	40	2	2	30	1	GDR04
FIX32	65	25	2	2	30	1	GDR04
FIX33	65	30	2	2	30	1	GDR04
FIX34	65	35	2	2	30	1	GDR04
FIX35	65	40	2	2	30	1	GDR04
FIX36	80	30	2	2	50	1	GDR04
FIX37	80	35	2	2	50	1	GDR04
FIX38	80	40	2	2	50	1	GDR04

TIPOLOGIE DI COLTELLI AFFILABILI

Re-sharpable knives
Schleifbare Messer
Cuchillas para afilar



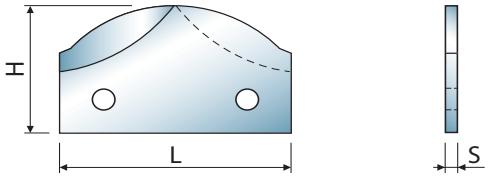
COLTELLI CON ASOLA
Knives with slot
Messer mit Öse
Cuchillas con ojal



COLTELLI CON BATTUTA PER FERMO
Knives with rebate
Messer mit Anschlag
Cuchillas con rebaje

L= 50 ➡ L_1=42

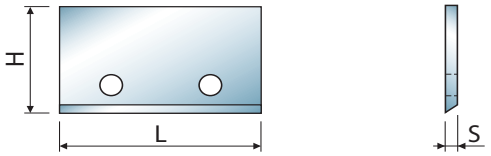
L= 60 ➡ L_1=42



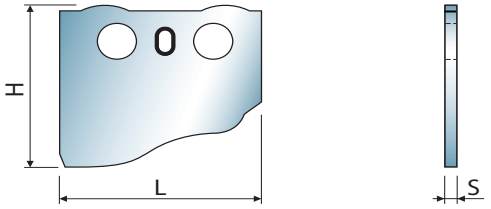
COLTELLI CON AFFILATURA
BIFACCIALE
Knives with double-sided sharpening
Messer beidseitigt geschliffen
Cuchillas afiladas bifacial



COLTELLI PROFILATI 2 LATI
Profiled knives on two sides
Profilierte Messer mit Schneide auf 2 Seiten
Cuchillas perfiladas por dos lados



COLTELLI SPOGLIATI ALLA BASE
Profiled knives on two sides
Hintergeschliffene Messer auf der u. Seite
Cuchillas con rebaje inferior



COLTELLO FIX SAGOMATO

Profiled Knife Fix
Profilierte Messer Fix
Cuchilla Fix perfilada

COLTELLI TAGLIATI
Cut knives / Abgeschnittene Messer / Cuchillas cortadas

LAPPATURA DEI COLTELLI
Knife's lapping / Messer Läppen / Cuchillas lapidado



BOCCOLE DI ASSEMBLAGGIO

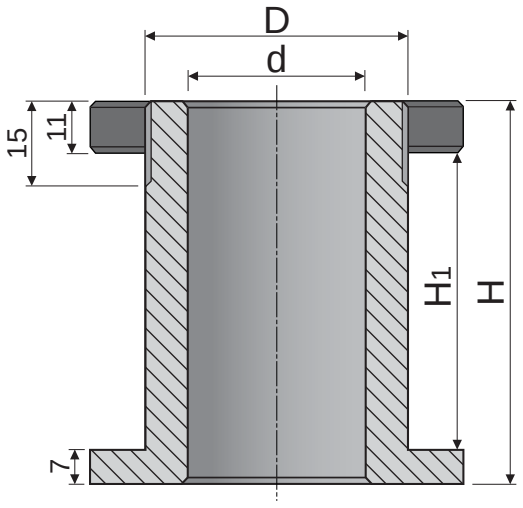
Assembling sleeves
Zusammensetzung büchsen
Casquillos de ensamblaje

H	H1	D	d	D	d	D	d	D	d	D	d	D	d	D	d	D	d
mm	*mm*	50	30	50	35	50	40	60	30	60	35	60	40	60	45	60	50
60	42	B0605030		B0605035		B0605040		B0606030		B0606035		B0606040		B0606045		B0606050	
70	52	B0705030		B0705035		B0705040		B0706030		B0706035		B0706040		B0706045		B0706050	
80	62	B0805030		B0805035		B0805040		B0806030		B0806035		B0806040		B0806045		B0806050	
90	72	B0905030		B0905035		B0905040		B0906030		B0906035		B0906040		B0906045		B0906050	
95	77	B0955030		B0955035		B0955040		B0956030		B0956035		B0956040		B0956045		B0956050	
100	82	B1005030		B1005035		B1005040		B1006030		B1006035		B1006040		B1006045		B1006050	
105	87	B1055030		B1055035		B1055040		B1056030		B1056035		B1056040		B1056045		B1056050	
110	92	B1105030		B1105035		B1105040		B1106030		B1106035		B1106040		B1106045		B1106050	
115	97	B1155030		B1155035		B1155040		B1156030		B1156035		B1156040		B1156045		B1156050	
120	102	B1205030		B1205035		B1205040		B1206030		B1206035		B1206040		B1206045		B1206050	
125	107	B1255030		B1255035		B1255040		B1256030		B1256035		B1256040		B1256045		B1256050	
130	112	B1305030		B1305035		B1305040		B1306030		B1306035		B1306040		B1306045		B1306050	

INDICARE NELL'ORDINE IL TIPO DI BOCCOLA: L o R
Specify in the order the sleeves rotation : L or R
Bei der Bestellung geben Sie die Drehrichtung an: L oder R
Indicar en el pedido la rotación: L o R







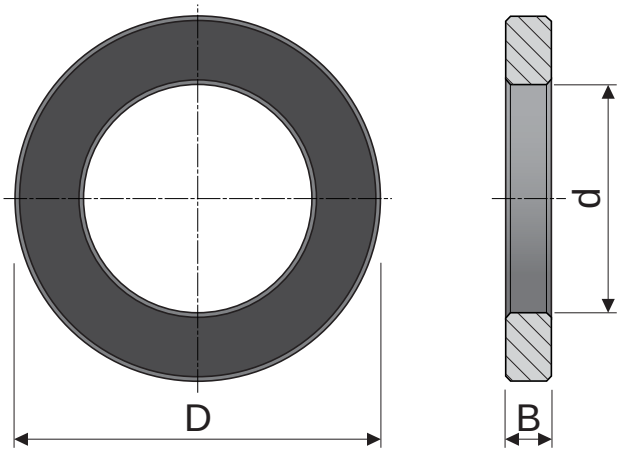
MONTENERO
WOODWORKING·TOOLS



ANELLI DISTANZIALI

Spacer rings
Zwischenringe
Anillos distanciadores

D *mm*	d *mm*	B / mm										
		0,1	0,2	0,3	0,5	1	2	3	5	10	15	20
50	30	**A001**	**A002**	**A003**	**A004**	**A005**	**A006**	**A007**	**A008**	**A009**	**A010**	**A011**
55	35	**A012**	**A013**	**A014**	**A015**	**A016**	**A017**	**A018**	**A019**	**A020**	**A021**	**A022**
60	40	**A023**	**A024**	**A025**	**A026**	**A027**	**A028**	**A029**	**A030**	**A031**	**A032**	**A033**
70	50	**A034**	**A035**	**A036**	**A037**	**A038**	**A039**	**A040**	**A041**	**A042**	**A043**	**A044**
80	60	**A045**	**A046**	**A047**	**A048**	**A049**	**A050**	**A051**	**A052**	**A053**	**A054**	**A055**





COMPOSIZIONE DEI SET DI ANELLI DISTANZIALI

Composition of spacer rings' set
Zusammenstellung Zwischenringe-set
Composición para anillos distanciadores

B *mm*	CODICE SA																								
	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025
0,1	3	3	2	2	2	2	2	2	2	4	/	/	/	2	2	/	2	2	2	2	4	2	4	/	3
0,3	2	2	1	1	2	2	2	2	2	2	/	/	/	1	1	1	1	1	1	1	2	1	/	/	1
0,5	2	2	1	1	2	2	2	1	1	2	/	/	/	1	1	/	1	1	1	1	2	1	/	/	2
1	3	3	2	1	2	2	1	1	1	4	/	/	2	1	/	1	2	2	2	1	2	2	2	/	2
2	/	/	2	2	/	1	1	1	1	/	/	/	/	1	/	/	/	/	1	1	3	1	/	/	1
3	/	/	/	/	/	/	1	1	2	4	/	/	/	1	/	1	1	1	/	/	3	/	/	/	/
5	1	1	1	1	/	/	/	1	1	/	/	/	/	1	/	/	2	2	1	1	2	2	/	1	/
6	/	/	/	/	/	/	/	/	/	/	3	7	/	/	/	/	/	/	/	/	/	/	/	/	/
10	1	2	/	/	/	/	/	/	/	2	/	/	/	3	/	/	1	2	/	1	2	1	1	1	2
15	/	/	/	/	/	/	/	/	/	/	/	/	1	/	/	/	/	/	/	/	/	/	/	/	/
20	/	/	1	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	1	/	/	/	/	/

MANDRINI

CHUCKS
DORN
MANDRILES



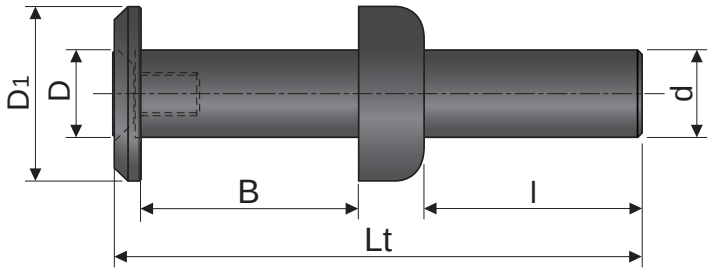
MONTENERO
UTENSILI
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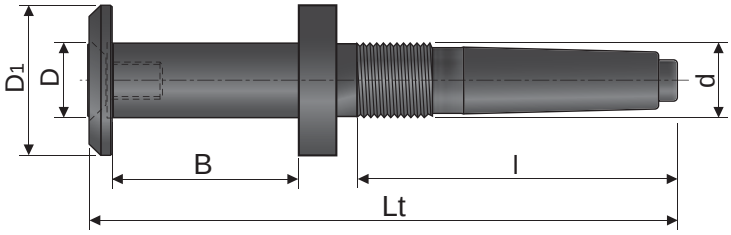
MONTENERO UTENSILI WOODWORKING·TOOLS



MANDRINI PORTAFRESE CON ATTACCO CILINDRICO

Tools'holders with cylindric shank
Werkzeughalter mit zylindrische Aufnahme
Portaherramientas con ataque cilíndrico

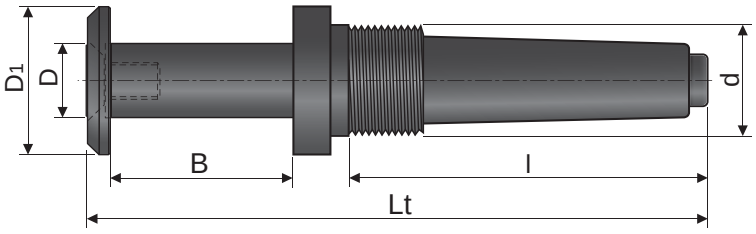
CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	ROTAZ. ROTAT.
ALB01	20 - 25 - 30	40	50	120	20	50	R
ALB02	20 - 25 - 30	40	50	120	20	50	L
ALB03	20 - 25 - 30	40	50	120	25	55	R
ALB04	20 - 25 - 30	40	50	120	25	55	L



MANDRINI PORTAFRESE CON ATTACCO CONO MORSE 2

Tools'holders with shank MK2
Werkzeughalter mit MK2 Aufnahme
Portaherramientas con ataque MK2

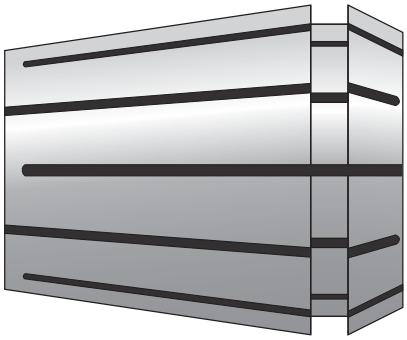
CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	ROTAZ. ROTAT.
ALB10	20 - 25 - 30	40	50	155	MK2 - M20x1,5	85	R
ALB11	20 - 25 - 30	40	50	155	MK2 - M20x1,5	85	L
ALB12	20 - 25 - 30	40	50	155	MK2 - M30x1,5	85	R
ALB13	20 - 25 - 30	40	50	155	MK2 - M30x1,5	85	L



MANDRINI PORTAFRESE CON ATTACCO CONO MORSE 3

Tools'holders with shank MK3
Werkzeughalter mit MK3 Aufnahme
Portaherramientas con ataque MK3

CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO / SHANK d mm	ATTACCO / SHANK l mm	ROTAZ. ROTAT.
ALB20	20 - 25 - 30	40	50	165	MK3 - M30x1,5	95	R
ALB21	20 - 25 - 30	40	50	165	MK3 - M30x1,5	95	L

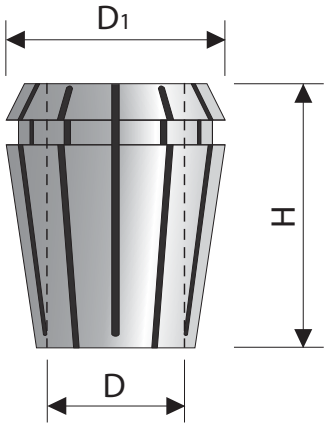


PINZE

Collet
Spannzange
Pinzas

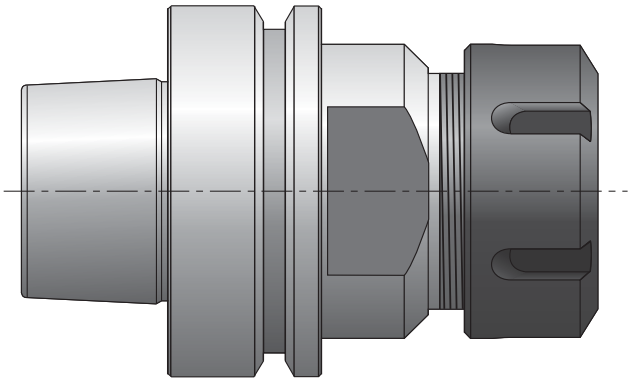
TIPO ER-32

CODICE CODE	D1 *mm*	H *mm*	D *mm*
32020	33	40	3-2
32030	33	40	4-3
32040	33	40	5-4
32050	33	40	6-5
32060	33	40	7-6
32070	33	40	8-7
32080	33	40	9-8
32090	33	40	10-9
32100	33	40	11-10
32110	33	40	12-11
32120	33	40	13-12
32130	33	40	14-13
32140	33	40	15-14
32150	33	40	16-15
32160	33	40	17-16
32170	33	40	18-17
32180	33	40	19-18
32190	33	40	20-19



TIPO ER-40

CODICE CODE	D1 *mm*	H *mm*	D *mm*
40040	41	46	4-3
40050	41	46	5-4
40060	41	46	6-5
40070	41	46	7-6
40080	41	46	8-7
40090	41	46	9-8
40100	41	46	10-9
40110	41	46	11-10
40120	41	46	12-11
40130	41	46	13-12
40140	41	46	14-13
40150	41	46	15-14
40160	41	46	16-15
40170	41	46	17-16
40180	41	46	18-17
40190	41	46	19-18
40200	41	46	20-19
40210	41	46	21-20
40220	41	46	22-21
40230	41	46	23-22
40240	41	46	24-23
40250	41	46	25-24
40260	41	46	26-25
40270	41	46	27-26
40280	41	46	28-27
40290	41	46	29-28
40300	41	46	30-29



MANDRINI HSK-63F
PER PINZE ER-32/40

Collet chuck holders HSK-63F for collet ER-32/40
Spannzangefutter HSK-63F für ER-32/40
Portaherramientas HSK-63F para pinzas ER-32/40

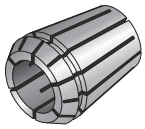
TIPI DI MACCHINARI / FOR MACHINE:
BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94) - WEEKE - DUBUS - BUSELLATO

RICAMBI ORDINABILI
SPARE PARTS

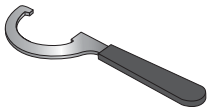


GHIERA / NUT

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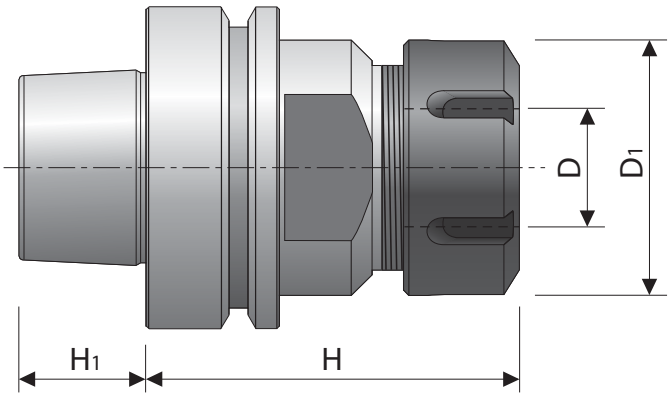
PINZA / COLLET

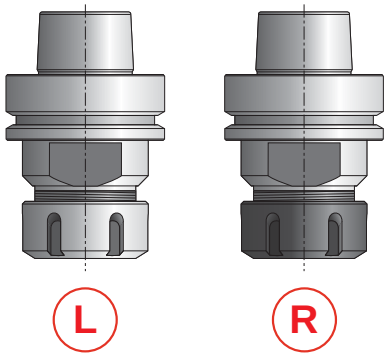


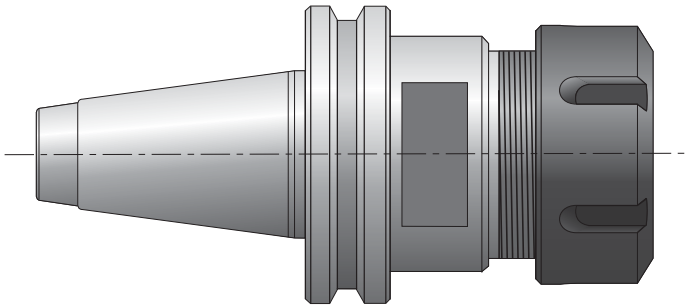
CHIAVE / KEY

CODICE CODE	H_1 *mm*	H *mm*	D *mm*	D_1 *mm*	GHIERA	ROTAZ. ROTAT.
HSK63F01	25	73	3-20	50	ER-32	R
HSK63F02	25	73	3-20	50	ER-32	L
HSK63F03	25	80	4-30	63	ER-40	R
HSK63F04	25	80	4-30	63	ER-40	L

La pinza non è compresa nel mandrino
Collet not included







MANDRINI ISO-30 PER PINZE ER-32/40

Collet chuck holders ISO-30 for collet ER-32/40
Spannzangefutter ISO-30 für ER-32/40
Portaherramientas ISO-30 para pinzas ER-32/40

TIPI DI MACCHINARI / FOR MACHINE:
BIESSE - COSMEC - MASTERWOOD

CODICE CODE	H_1 mm	D_3 mm	H mm	D mm	D_1 mm	GHIERA	ROTAZ. ROTAT.
ISO3001	47,8	50	50	3-20	50	ER-32	R
ISO3002	47,8	50	50	3-20	50	ER-32	L
ISO3003	47,8	50	57	4-30	63	ER-40	R
ISO3004	47,8	50	57	4-30	63	ER-40	L

TIPI DI MACCHINARI / FOR MACHINE:
BIESSE - SCM - MORBIDELLI - EIMA - DUBUS - WEEKE

CODICE CODE	H_1 mm	D_3 mm	H mm	D mm	D_1 mm	GHIERA	ROTAZ. ROTAT.
ISO3005	47,8	50	68	3-20	50	ER-32	R
ISO3006	47,8	50	68	3-20	50	ER-32	L
ISO3007	47,8	50	68	4-30	63	ER-40	R
ISO3008	47,8	50	68	4-30	63	ER-40	L

TIPI DI MACCHINARI / FOR MACHINE:
CMS

CODICE CODE	H_1 mm	D_3 mm	H mm	D mm	D_1 mm	GHIERA	ROTAZ. ROTAT.
ISO3009	47,8	46	60	3-20	50	ER-32	R
ISO3010	47,8	46	60	3-20	50	ER-32	L
ISO3011	47,8	46	65	4-30	63	ER-40	R
ISO3012	47,8	46	65	4-30	63	ER-40	L

RICAMBI ORDINABILI
SPARE PARTS

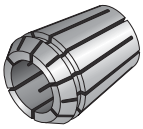


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TIRANTE / PULL STUD

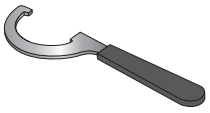


GHIERA / NUT



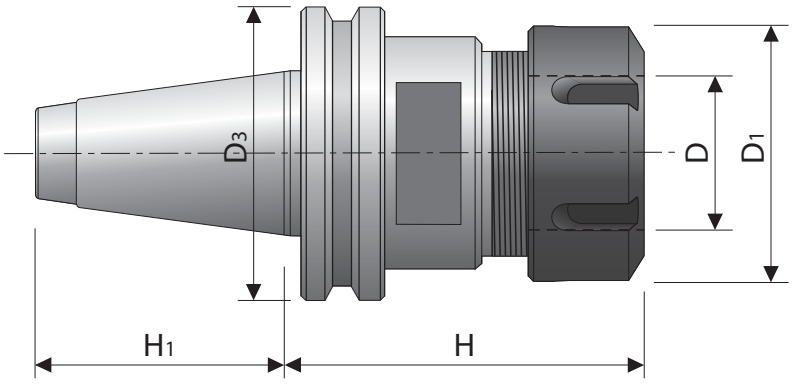
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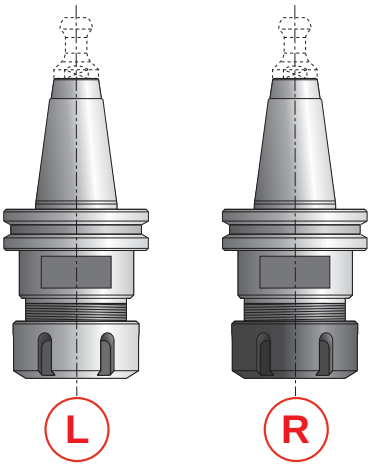
PINZA / COLLET



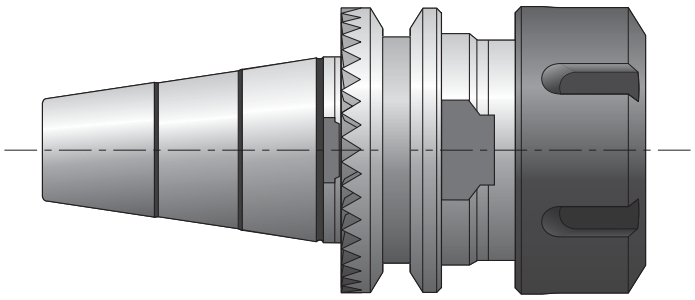
CHIAVE / KEY

La pinza e il tirante non sono compresi nel mandrino
Collect and pull stud not included





MONTENERO
WOODWORKING·TOOLS



MANDRINI ISO-30 PER PINZE ER-32 CON FLANGIA DENTATA

Collet chuck holders ISO-30 for collet ER-32 with serrated flange
Spannzangefutter ISO-30 für ER-32 mit verzahnte Flansch
Portaherramientas ISO-30 para pinzas ER-32 con acoplamiento dentado

TIPI DI MACCHINARI / FOR MACHINE**:**
SCM - MORBIDELLI

RICAMBI ORDINABILI
SPARE PARTS

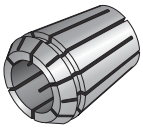


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TIRANTE / PULL STUD

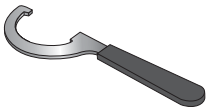


GHIERA / NUT



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see page
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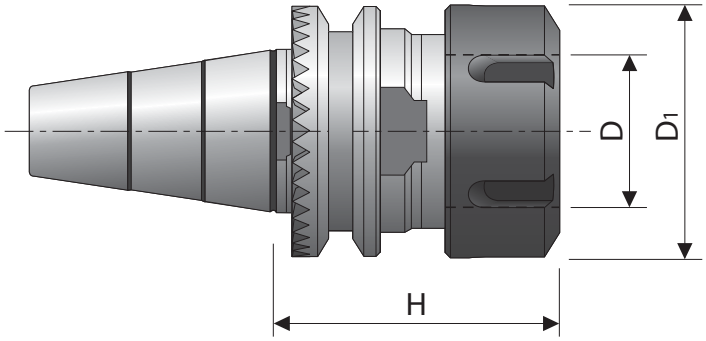
PINZA / COLLET

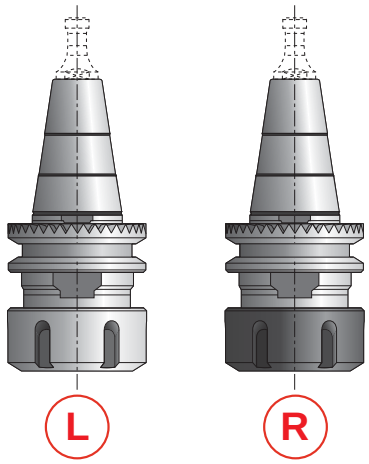


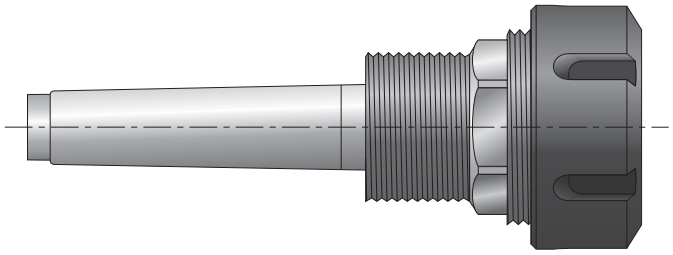
CHIAVE / KEY

CODICE CODE	H *mm*	D *mm*	D_1 *mm*	GHIERA	ROTAZ. ROTAT.
FDISO3001	55	3-20	50	ER-32	R
FDISO3002	55	3-20	50	ER-32	L
FDISO3003	74	4-30	63	ER-40	R
FDISO3004	74	4-30	63	ER-40	L

La pinza e il tirante non sono compresi nel mandrino
Collect and pull stud not included

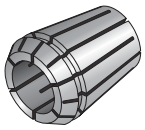
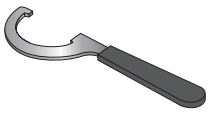






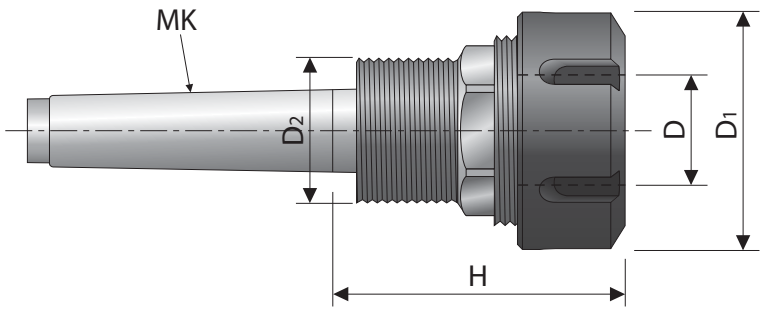
MANDRINI CON ATTACCO CONO MORSE PER PINZE ER-32/40

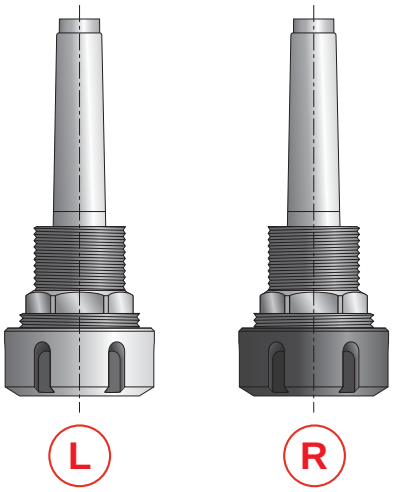
Collet chuck holders with MK for collet ER-32/40
Spannzangefutter MK für ER-32/40
Portaherramientas MK para pinzas ER-32/4

RICAMBI ORDINABILI SPARE PARTS
 **GHIERA** / NUT
 **PINZA** / COLLET
 **CHIAVE** / KEY

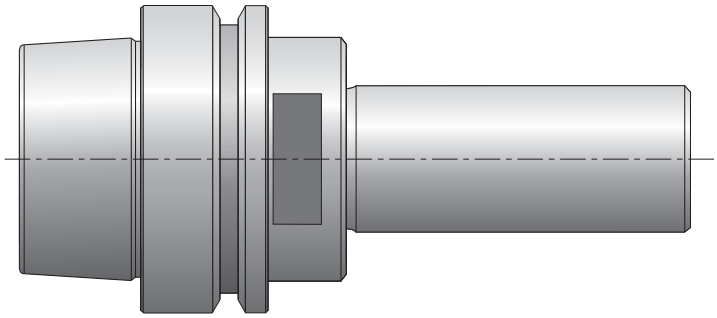
CODICE CODE	MK *mm*	H *mm*	D *mm*	D1 *mm*	D2 *mm*	GHIERA	ROTAZ. ROTAT.
CM01	2	62	3-20	50	M30 x 1,5	ER-32	R
CM02	2	62	3-20	50	M30 x 1,5	ER-32	L
CM03	2	93	4-30	63	M30 x 1,5	ER-40	R
CM04	2	93	4-30	63	M30 x 1,5	ER-40	L
CM05	2	85	3-20	50	W20 x 14	ER-32	R
CM06	2	85	3-20	50	W20 x 14	ER-32	L
CM07	2	93	4-30	63	W20 x 14	ER-40	R
CM08	2	93	4-30	63	W20 x 14	ER-40	L
CM09	3	70	3-20	50	M30 x 1,5	ER-32	R
CM10	3	70	3-20	50	M30 x 1,5	ER-32	L
CM11	3	80	4-30	63	M30 x 1,5	ER-40	R
CM12	3	80	4-30	63	M30 x 1,5	ER-40	L

La pinza non è compresa nel mandrino
Collect not included





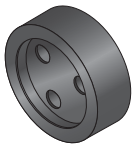
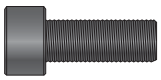
MONTENERO
WOODWORKING·TOOLS



MANDRINI PORTAFRESE HSK-63E

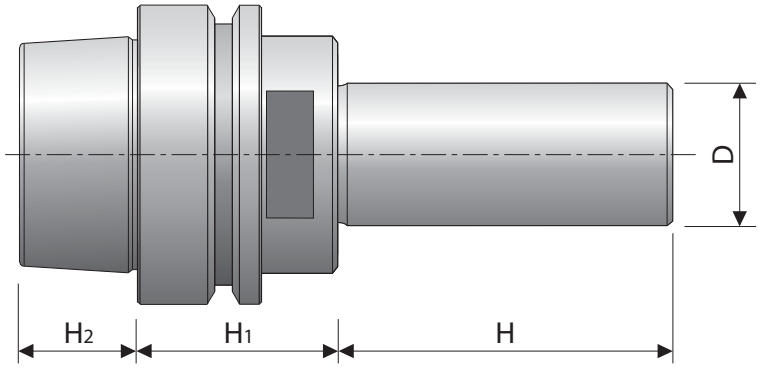
Tools'holders HSK-63E
HSK-63E Aufnahme
Portaherramientas HSK-63E

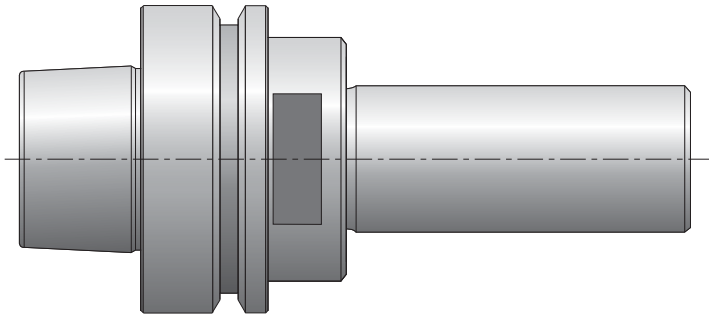
TIPI DI MACCHINARI / FOR MACHINE**:**
CMS - UNITEAM

RICAMBI ORDINABILI SPARE PARTS
 **FLANGIA DI BLOCCAGGIO ESPANSO** EXPANDED FLANGED CAP
 **FLANGIA DI BLOCCAGGIO RIDOTTO** REDUCED FLANGED CAP
 **1 VITE PER FLANGIA** 1 SCREW FOR FLANGE

CODICE CODE	**H_2** *mm*	**H_1** *mm*	**D** *mm*	**H** *mm*
PHSK63E01	32	42	20	70
PHSK63E02	32	42	30	70
PHSK63E03	32	42	30	80
PHSK63E04	32	42	30	100
PHSK63E05	32	42	30	150
PHSK63E06	32	42	35	70
PHSK63E07	32	42	35	80
PHSK63E08	32	42	35	100
PHSK63E09	32	42	35	150
PHSK63E10	32	42	40	70
PHSK63E11	32	42	40	80
PHSK63E12	32	42	40	100
PHSK63E13	32	42	40	150

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included





MANDRINI PORTAFRESE HSK-63F

Tools'holders HSK-63F
HSK-63F Aufnahme
Portaherramientas HSK-63F

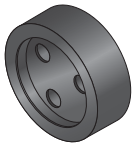
TIPI DI MACCHINARI / FOR MACHINE:
BIESSE - EIMA - HOMAG - IMA (da 9/94) - WEEKE - DUBUS - BUSELLATO

CODICE CODE	H_2 *mm*	H_1 *mm*	D *mm*	H *mm*
PHSK63F01	25	42	20	70
PHSK63F02	25	42	30	70
PHSK63F03	25	42	30	80
PHSK63F04	25	42	30	100
PHSK63F05	25	42	30	150
PHSK63F06	25	42	35	70
PHSK63F07	25	42	35	80
PHSK63F08	25	42	35	100
PHSK63F09	25	42	35	150
PHSK63F10	25	42	40	70
PHSK63F11	25	42	40	80
PHSK63F12	25	42	40	100
PHSK63F13	25	42	40	150

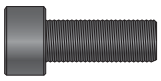
RICAMBI ORDINABILI
SPARE PARTS



FLANGIA DI BLOCCAGGIO ESPANSO
EXPANDED FLANGED CAP



FLANGIA DI BLOCCAGGIO RIDOTTO
REDUCED FLANGED CAP

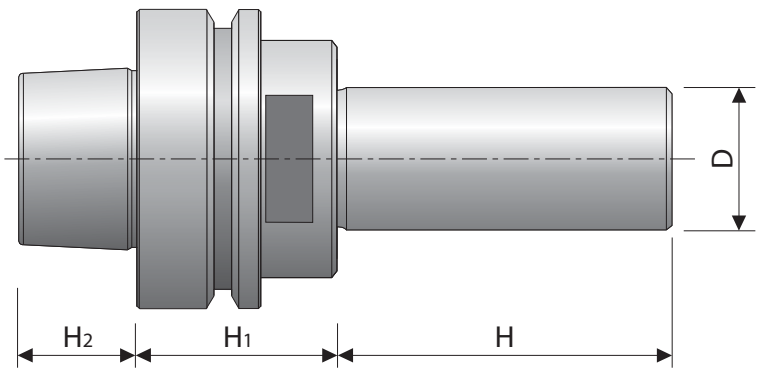


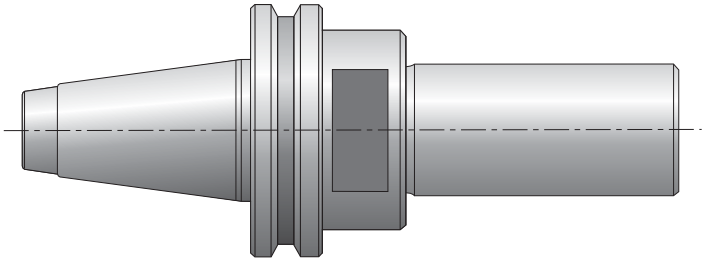
1 VITE PER FLANGIA
1 SCREW FOR FLANGE

TIPI DI MACCHINARI / FOR MACHINE:
SCM - MORBIDELLI

CODICE CODE	H_2 *mm*	H_1 *mm*	D *mm*	H *mm*
PHSK63F14	25	33	20	70
PHSK63F15	25	33	30	70
PHSK63F16	25	33	30	80
PHSK63F17	25	33	30	100
PHSK63F18	25	33	30	150
PHSK63F19	25	33	35	70
PHSK63F20	25	33	35	80
PHSK63F21	25	33	35	100
PHSK63F22	25	33	35	150
PHSK63F23	25	33	40	70
PHSK63F24	25	33	40	80
PHSK63F25	25	33	40	100
PHSK63F26	25	33	40	150

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included





MANDRINI PORTAFRESE ISO-30

Tools'holders ISO-30
ISO-30 Aufnahme
Portaherramientas ISO-30

TIPI DI MACCHINARI / FOR MACHINE:
BIESSE - COSMEC - HOMAG - MAKA - BULLERI - ALBERTI - REICHENBACHER - MASTERWOOD - BUSELLATO

CODICE CODE	H_2 mm	D_3 mm	H_1 mm	D mm	H mm
PISO3001	47,8	50	35	20	70
PISO3002	47,8	50	35	30	70
PISO3003	47,8	50	35	30	80
PISO3004	47,8	50	35	30	100
PISO3005	47,8	50	35	30	150
PISO3006	47,8	50	35	35	70
PISO3007	47,8	50	35	35	80
PISO3008	47,8	50	35	35	100
PISO3009	47,8	50	35	35	150

TIPI DI MACCHINARI / FOR MACHINE:
CMS

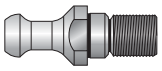
CODICE CODE	H_2 mm	D_3 mm	H_1 mm	D mm	H mm
PISO3010	47,8	46	35	20	70
PISO3011	47,8	46	35	30	70
PISO3012	47,8	46	35	30	80
PISO3013	47,8	46	35	30	100
PISO3014	47,8	46	35	30	150
PISO3015	47,8	46	35	35	70
PISO3016	47,8	46	35	35	80
PISO3017	47,8	46	35	35	100
PISO3018	47,8	46	35	35	150

TIPI DI MACCHINARI / FOR MACHINE:
ESSETEAM - UNITEAM - TEKTEAM

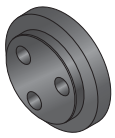
CODICE CODE	H_2 mm	D_3 mm	H_1 mm	D mm	H mm
PISO3019	47,8	58	35	20	70
PISO3020	47,8	58	35	30	70
PISO3021	47,8	58	35	30	80
PISO3022	47,8	58	35	30	100
PISO3023	47,8	58	35	30	150
PISO3024	47,8	58	35	35	70
PISO3025	47,8	58	35	35	80
PISO3026	47,8	58	35	35	100
PISO3027	47,8	58	35	35	150

RICAMBI ORDINABILI
SPARE PARTS

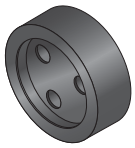
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235 - 236



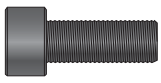
TIRANTE / PULL STUD



FLANGIA DI BLOCCAGGIO ESPANSO
EXPANDED FLANGED CAP

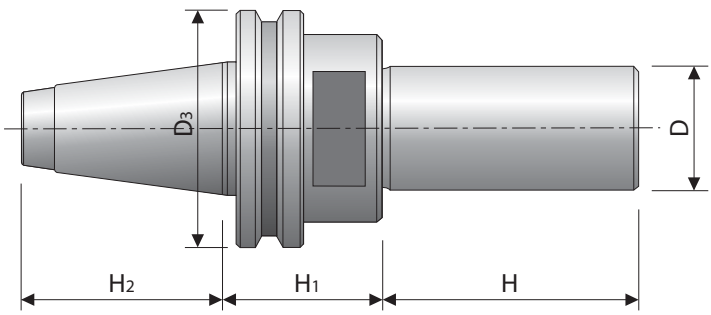


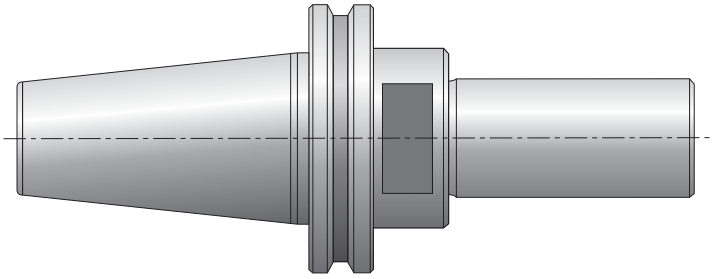
FLANGIA DI BLOCCAGGIO RIDOTTO
REDUCED FLANGED CAP



1 VITE PER FLANGIA
1 SCREW FOR FLANGE

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included





MANDRINI PORTAFRESE ISO-40

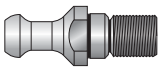
Tools'holders ISO-40
ISO-40 Aufnahme
Portaherramientas ISO-40

TIPI DI MACCHINARI / FOR MACHINE:
SCM - IMA - MAKA - WEEKE - STEGHERR - REICHENBACHER

CODE CODE	H_2 *mm*	D_3 *mm*	H_1 *mm*	D *mm*	H *mm*
PISO4001	68,4	63,55	35	20	70
PISO4002	68,4	63,55	35	30	70
PISO4003	68,4	63,55	35	30	80
PISO4004	68,4	63,55	35	30	100
PISO4005	68,4	63,55	35	30	150
PISO4006	68,4	63,55	35	35	70
PISO4007	68,4	63,55	35	35	80
PISO4008	68,4	63,55	35	35	100
PISO4009	68,4	63,55	35	35	150
PISO4010	68,4	63,55	35	40	70
PISO4011	68,4	63,55	35	40	80
PISO4012	68,4	63,55	35	40	100
PISO4013	68,4	63,55	35	40	150

RICAMBI ORDINABILI
SPARE PARTS

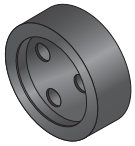
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235 - 236



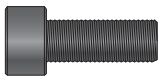
TIRANTE / PULL STUD



FLANGIA DI BLOCCAGGIO ESPANSO
EXPANDED FLANGED CAP



FLANGIA DI BLOCCAGGIO RIDOTTO
REDUCED FLANGED CAP

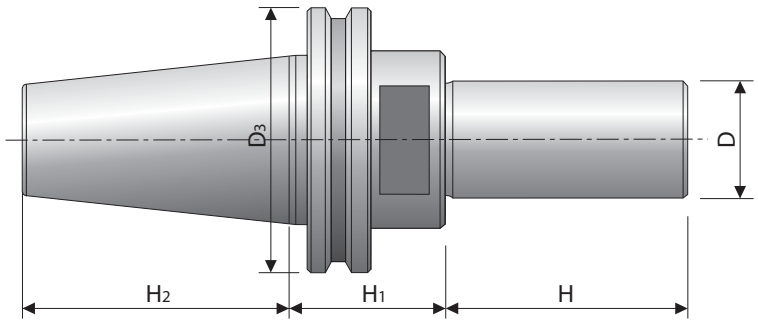


1 VITE PER FLANGIA
1 SCREW FOR FLANGE

TIPI DI MACCHINARI / FOR MACHINE:
ESSETEAM - UNITEAM - TEKTEAM

CODICE CODE	H_2 *mm*	D_3 *mm*	H_1 *mm*	D *mm*	H *mm*
PISO4014	68,4	58	35	20	70
PISO4015	68,4	58	35	30	70
PISO4016	68,4	58	35	30	80
PISO4017	68,4	58	35	30	100
PISO4018	68,4	58	35	30	150
PISO4019	68,4	58	35	35	70
PISO4020	68,4	58	35	35	80
PISO4021	68,4	58	35	35	100
PISO4022	68,4	58	35	35	150
PISO4023	68,4	58	35	40	70
PISO4024	68,4	58	35	40	80
PISO4025	68,4	58	35	40	100
PISO4026	68,4	58	35	40	150

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included



MONTENERO
WOODWORKING·TOOLS

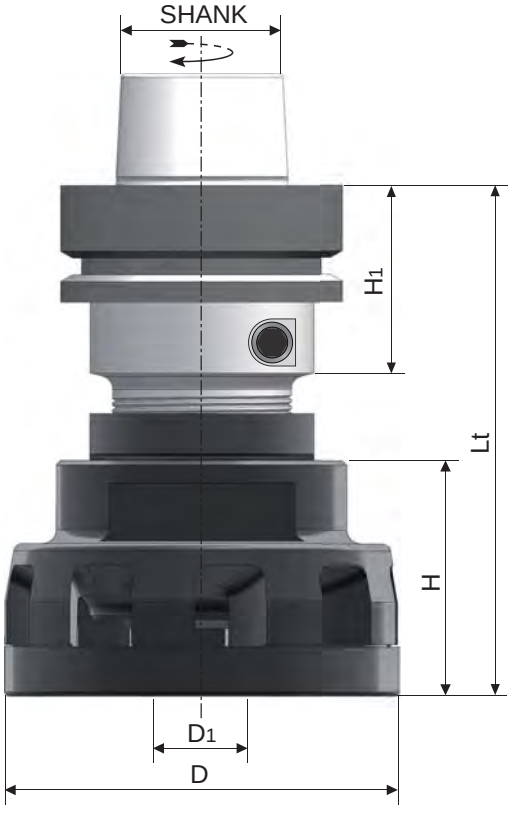


MANDRINI PORTAFRESE CON SISTEMA VORTEX - BLOCCAGGIO HYDRO

Tools'holders with "VORTEX" system - Hydro loching
Werkzeughalter mit "VORTEX" system - Hydro Einspannen
Portaherramientas con sistema "VORTEX" - Bloqueo hydro

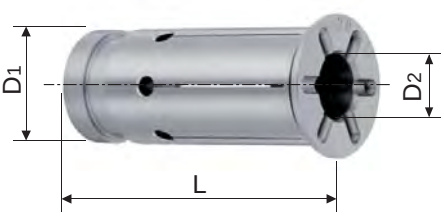
CODICE CODE	D *mm*	D_1 *mm*	H *mm*	H_1 *mm*	L *mm*	ATTACCO SHANK	ROTAZ. ROTAT.
ALB-VH01	88	20	52,5	42	114	HSK63F	R
ALB-VH02	95	25	52,5	42	114	HSK63F	R
ALB-VH03	88	20	52,5	42	114	ISO30	R

Vortex System



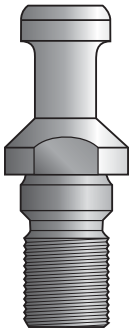
RIDUZIONI PER MANDRINO
Intermediate sleeves

CODICE CODE	D_1 *mm*	D_2 *mm*	L *mm*
RMD-01	20	16	52,5
RMD-02	20	12	52,5
RMD-03	20	10	52,5
RMD-04	20	8	52,5
RMD-05	20	6	52,5



TIRANTI DI AGGANCIO STANDARD

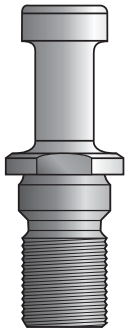
Standard pull stud
Standard Anzugsbolzen
Tirante estandard



TAST01

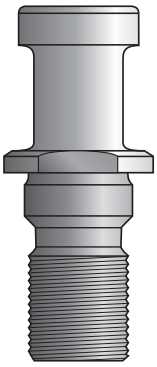
ISO30 DIN 69872

TIPI DI MACCHINARI / FOR MACHINES:
ELETTROMANDRINI - ELTE - IMA - MAKA - WEEKE - BULLERI - REICHENBACHER - BUSELLATO - ESSETEAM, etc.



TAST02

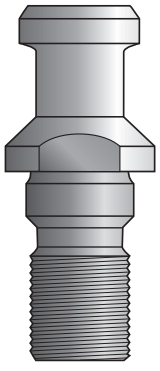
ISO30 DIN 7388/2A



TAST03

ISO40 DIN 69872

TIPI DI MACCHINARI / FOR MACHINES:
IMA - MAKA - REICHENBACHER - ESSETEAM - UNITEAM - TEKTEAM

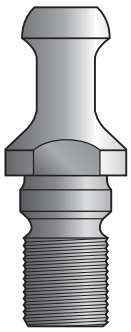


TAST04

ISO40 DIN 7388/2A

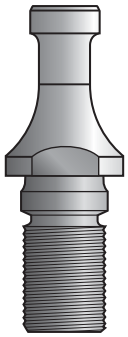
TIRANTI DI AGGANCIO SPECIFICI

Specific pull stud
Sonder Anzugsbolzen
Tirante especifico



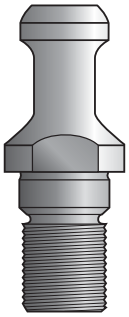
TASP01

TIPI DI MACCHINARI / FOR MACHINES:
HSD - BIESSE - MASTERWOOD da fine 1999 - COSMEC - etc.



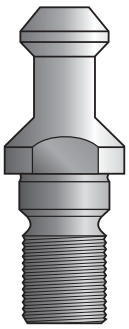
TASP02

TIPI DI MACCHINARI / FOR MACHINES:
SCM - MORBIDELLI



TASP03

TIPI DI MACCHINARI / FOR MACHINES:
CMS



TASP04

TIPI DI MACCHINARI / FOR MACHINES:
GIORDANO COLOMBO - ALBERTI - MASTERWOOD fino al 1999

MANDRINI SPECIALI
SPECIAL TOOLHOLDERS

SCHUNK®

I mandrini della SCHUNK sono caratterizzati da:

- **Alta rigidità assiale**
- **Alta velocità di rotazione**
- **Alto grado di bilanciatura**
- **Riduzione sensibile delle vibrazioni dell'utensile**
- **Velocità di montaggio**

Queste caratteristiche aumentano la durata e la resa dell'utensile, comportando una riduzione dei tempi e dei costi di lavorazione.



<0.003 mm



42000 rpm



Grado di bilanciatura
Balance degree



Vibrazioni ridotte
Vibration reduced



< 20 sec.

SCHUNK's tools'holders are characterized of:

- High axial stifness
- High speed rotation
- High balance degree
- Strong reduction of tool's vibration
- Fast assembly

These characteristics increase tool's yeld and duration, and reduce cost and machining time.

MANDRINI A SERRAGGIO POLIGONALE HSK-63F

Polygonal clamping tools'holders HSK-63F
Werkzeughalter mit Polygonspanntechnik HSK-63F
Portaherramientas tecnica de sujeción poligonal HSK-63F



CODICE CODE	D mm	D1 mm	D2 mm	H mm	H1 mm
TRI01	6	10	50	37	80
TRI02	8	13	50	37	80
TRI03	10	16	50	42	85

RICAMBI ORDINABILI
SPARE PARTS



DISPOSITIVO DI SERRAGGIO
CLAMPING DEVICE



PINZE DI SERRAGGIO
CLAMPING COLLET



vedi pag.
see page:
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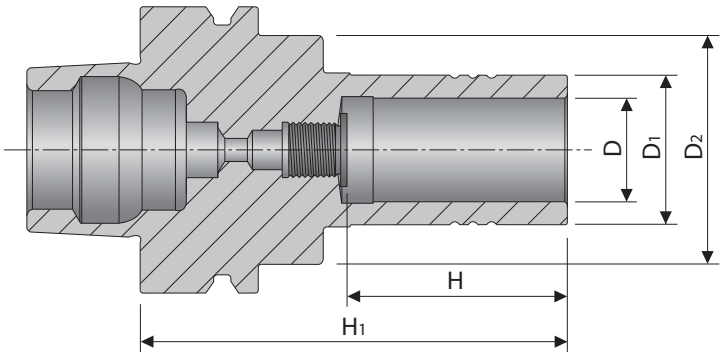
RIDUZIONI
INTERMEDIATE SLEEVES



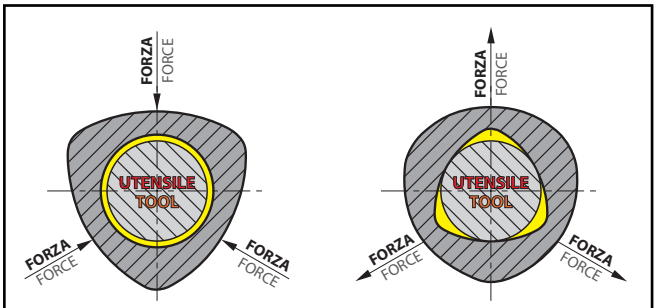
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see page
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PROLUNGHE / EXTENSION

Offriamo, presso la nostra azienda, il servizio di apertura e serraggio del mandrino per la sostituzione o affilatura dell'utensile.
Our company offers toolholder's opening and closing service to sobstitute or resharp the tool.



SCHEMA DI FUNZIONAMENTO DEL SERRAGGIO
FUNCTION OF POLYGONAL CLAMPING TECHNOLOGY



Sotto pressione, la sede poligonale diviene tonda, permettendo l'inserimento o l'estrazione dell'utensile
Under pressure the polygonal part became rounded in order to insert or take out tool

Tolta la pressione, la sede ritorna poligonale, bloccando l'utensile in 3 punti
Without pressure the inside part return polygonal in order to stop the tool on 3 points.

SCHUNK

MANDRINI A SERRAGGIO POLIGONALE HSK-63F CORTI

Polygonal clamping tools'holders HSK-63F short
Werkzeughalter mit Polygonspanntechnik HSK-63F kurz
Portaherramientas tecnica de sujeción poligonal HSK-63F corto



CODICE CODE	D *mm*	D_1 *mm*	D_2 *mm*	H *mm*	H_1 *mm*
TRI04	12	19	21	48,5	75
TRI05	16	25	27	49	75
TRI06	20	30	32	53	75
TRI07	25	35	37	55	75

RICAMBI ORDINABILI
SPARE PARTS



DISPOSITIVO DI SERRAGGIO
CLAMPING DEVICE



PINZE DI SERRAGGIO
CLAMPING COLLET



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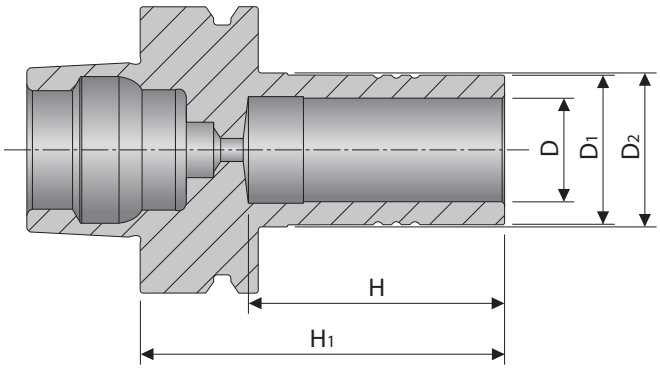
RIDUZIONI
INTERMEDIATE SLEEVES



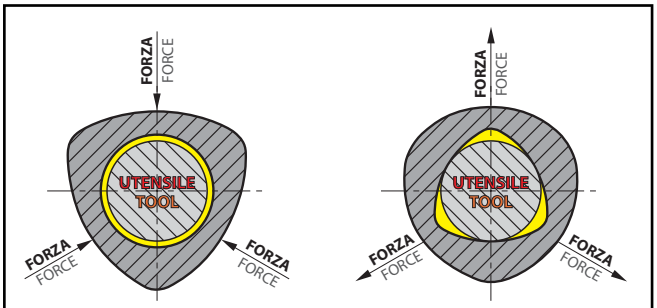
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426

PROLUNGHE / EXTENSION

Offriamo, presso la nostra azienda, il servizio di apertura e serraggio del mandrino per la sostituzione o affilatura dell'utensile.
Our company offers toolholder's opening and closing service to sobstitute or resharp the tool.



SCHEMA DI FUNZIONAMENTO DEL SERRAGGIO
FUNCTION OF POLYGONAL CLAMPING TECHNOLOGY



Sotto pressione, la sede poligonale diviene tonda, permettendo l'inserimento o l'estrazione dell'utensile
Under pressure the polygonal part became rounded in order to insert or take out tool

Tolta la pressione, la sede ritorna poligonale, bloccando l'utensile in 3 punti
Without pressure the inside part return polygonal in order to stop the tool on 3 points.

MANDRINI A SERRAGGIO POLIGONALE ISO-30

Polygonal clamping tools'holders ISO-30
Werkzeughalter mit Polygonspanntechnik ISO-30
Portaherramientas tecnica de sujeción poligonal ISO-30



CODICE CODE	D mm	D1 mm	D2 mm	H mm	H1 mm
TRI08	12	19	39	47	80
TRI09	16	25	39	48	80
TRI10	20	30	39	52	80
TRI11	25	35	39	55	80

RICAMBI ORDINABILI
SPARE PARTS



DISPOSITIVO DI SERRAGGIO
CLAMPING DEVICE



PINZE DI SERRAGGIO
CLAMPING COLLET



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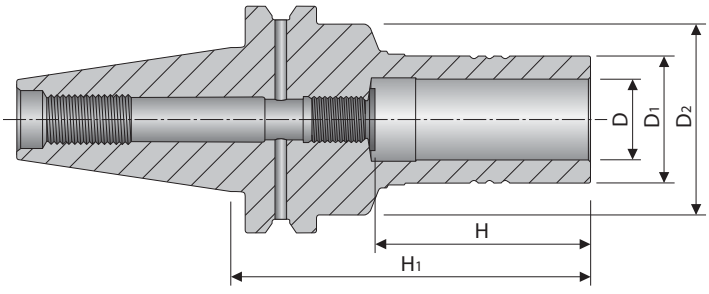
RIDUZIONI
INTERMEDIATE SLEEVES



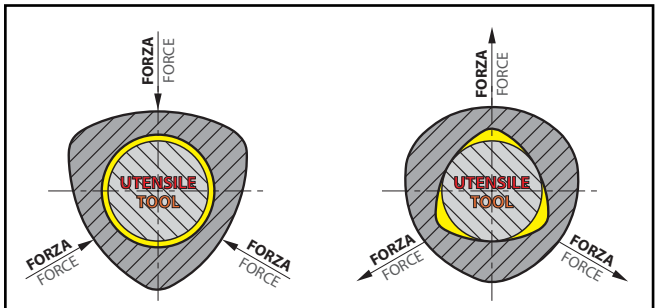
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PROLUNGHE / EXTENSION

Offriamo, presso la nostra azienda, il servizio di apertura e serraggio del mandrino per la sostituzione o affilatura dell'utensile.
Our company offers toolholder's opening and closing service to sobstitute or resharp the tool.



SCHEMA DI FUNZIONAMENTO DEL SERRAGGIO
FUNCTION OF POLYGONAL CLAMPING TECHNOLOGY



Sotto pressione, la sede poligonale diviene tonda, permettendo l'inserimento o l'estrazione dell'utensile
Under pressure the polygonal part became rounded in order to insert or take out tool

Tolta la pressione, la sede ritorna poligonale, bloccando l'utensile in 3 punti
Without pressure the inside part return polygonal in order to stop the tool on 3 points.

SCHUNK



MANDRINI A SERRAGGIO IDRAULICO HSK-63F

Hydraulic clamping tools'holders HSK-63F
Werkzeughalter mit Hydro-Dehnspannfutter HSK-63F
Portaherramientas tecnica de sujeción hidráulico HSK-63F

CODICE CODE	D mm	D1 mm	D2 mm	H mm	H1 mm
TEN01	20	42	50	50	85
TEN02	25	50	50	52	85

RICAMBI ORDINABILI
SPARE PARTS

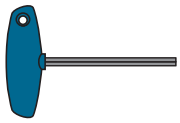
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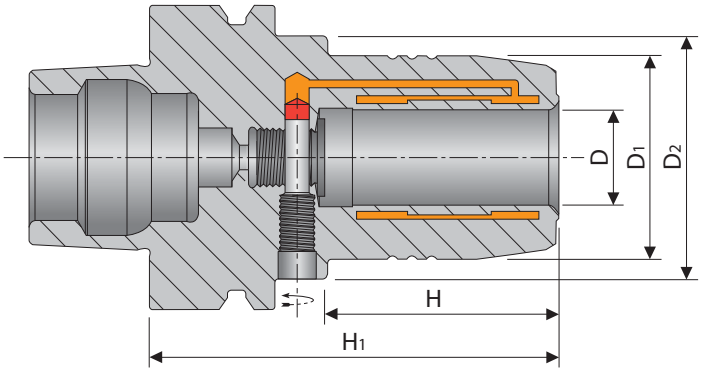
RIDUZIONI
INTERMEDIATE SLEEVES



CHIAVE PER RIDUZIONI
SLEEVE REMOVER



CHIAVE PER MANDRINO
KEY FOR TOOL HOLDER



SCHEMA DI FUNZIONAMENTO
SCHEME OF OPERATION



Agendo sulla vite si manda in pressione il liquido presente nella camera riducendo così il diametro del foro del mandrino. Questo provoca un serraggio uniforme dell'utensile.
Working on the screw we add pressure to the liquid part into the toolholder that clamp uniformly the tool's shank.

SCHUNK



MANDRINI UNIVERSALI HSK-63F

Universal tools'holders HSK-63F
Universal Werkzeughalter HSK-63F
Portaherramientas universal HSK-63F

ACCESSORI ORDINABILI
SPARE ACCESSORIES



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RIDUZIONI
INTERMEDIATE SLEEVES

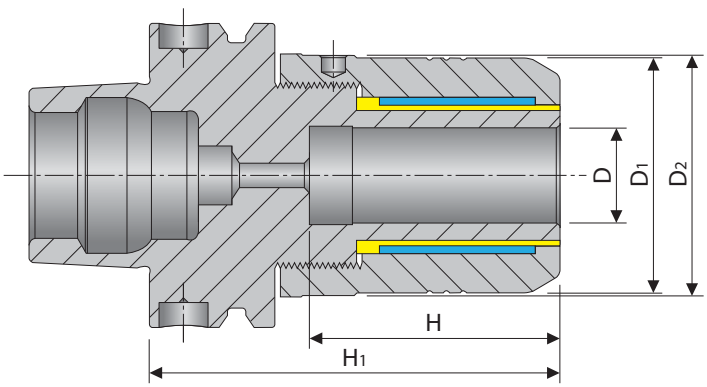


CHIAVE DI SERRAGGIO
SPANNER WRENCHES



CHIAVE DI SERRAGGIO A "C"
"C" SPANNER

CODICE CODE	D *mm*	D_1 *mm*	D_2 *mm*	H *mm*	H_1 *mm*
SIN01	12	39	44,45	47	80
SIN02	16	48,5	49,72	50	85
SIN03	20	48,5	49,72	52	85
SIN04	25	48,5	49,72	58	85



SCHEMA DI FUNZIONAMENTO
SCHEME OF OPERATION



Avvitando la testa del mandrino si comprime il materiale plastico presente nella camera il quale dilatandosi riduce il diametro del foro del mandrino. Questo provoca un serraggio uniforme dell'utensile con una forza di 500Nm.

Screwing the toolholder's head, the plastic part inside expand it self and clamp the tool's shank uniformly with 500Nm force.

SCHUNK®

RIDUZIONI PER MANDRINI SCHUNK

Accessories for SCHUNK tools'holders
Zubehören für SCHUNK Werkzeughalter
Accessorios para mandriles SCHUNK

RIDUZIONI / INTERMEDIATE SLEEVES



TRIBOS

Varie misure disponibili, richiedere preventivo
Different dimensions available on request
Sonstige Abmessungen lieferbar nach Anfrage
Diferentes medidas disponibles a petición



TENDO

Varie misure disponibili, richiedere preventivo
Different dimensions available on request
Sonstige Abmessungen lieferbar nach Anfrage
Diferentes medidas disponibles a petición



SINO-R

Varie misure disponibili, richiedere preventivo
Different dimensions available on request
Sonstige Abmessungen lieferbar nach Anfrage
Diferentes medidas disponibles a petición

PROLUNGHE / EXTENSION



TRIBOS

Varie misure disponibili, richiedere preventivo
Different dimensions available on request
Sonstige Abmessungen lieferbar nach Anfrage
Diferentes medidas disponibles a petición

NOTE

MANUTENZIONE DEGLI UTENSILI E ACCORGIMENTI

- I taglienti sono soggetti al deposito di resine, colle, polvere che ne alterano durata e qualità. Per questo motivo devono essere mantenuti sempre puliti.

- E' necessario mantenere pulito anche il corpo fresa per dare libero sfogo al truciolo.

- Assicurarsi che gli assi e i piani di attacco della macchina siano in tolleranza.

- Verificare sempre che il senso di rotazione macchina-utensile sia corretto.

- Non superare mai i limiti del numero di giri indicati sull'utensile.

- Verificare il bloccaggio di tutte le eventuali parti mobili dell'utensile.

- Utilizzare solo ricambi originali.

- Non manomettere gli utensili per lavorazioni diverse da quelle previste.

TOOLS MAINTENANCE AND ADVICE

- Teeth are subject to deposits of resin, glue and dust which affect their wear and quality. Therefore they must be always kept clean.

- The body of the cutter must also be kept clean to allow shavings to detach properly.

- Make sure that the machine tables and axes are gauged correctly.

- Always make sure the machine-tool rotational direction is correct.

- Never exceed the rpm limit stamped on the tool.

- Make sure any moving part of the tool is locked.

- Only use original spare parts.

- Never tamper with the tools for not forecasted workings

2016

specialisti in precisione

precision specialists

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MONTENERO
WOODWORKING·TOOLS

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