



2026

CATALOGO GENERALE

GENERAL CATALOGUE

ALLGEMEINER KATALOG CATÁLOGO GENERAL



MONTENERO
WOODWORKING TOOLS



MONTENERO s.r.l.

**CERTIFICATO DI GIUNTI PERMANENTI ATTRAVERSO PROCESSO
DI BRASATURA N° QPB2-ITA-23-00010-rev.0**

**PERMANENT JOINING PROCEDURE MADE BY BRAZING PROCESS
N° QPB2-ITA-23-00010-rev.0**

Certifica che i saggi di prova sono stati preparati, brasati e controllati con esito soddisfacente in conformità ai requisiti dei documenti sopra indicati.
Qualifica di assemblaggio permanente soddisfa le Esigenze Essenziali di Sicurezza della Direttiva PED - Allegato1 - § 3.1.2.

Certifies that test pieces were prepared, brazed and tested satisfactorily in accordance with the requirements of the documents indicated above.
Permanent Joining Procedure Qualification Record complies with the Essential Safety Requirements stated by PED - Directive Appendix 1 - § 3.1.2.

MONTENERO s.r.l.

CERTIFICATO EN 847-1:2013

Certifica che Montenero ha i requisiti di sicurezza degli utensili per la lavorazione del legno secondo la norma europea EN 847-1.

La norma europea EN 847-1 delinea i requisiti di sicurezza degli utensili da fresatura e delle lame circolari per la lavorazione del legno e descrivere inoltre, anche i requisiti tecnici per la progettazione degli utensili.

Montenero has been certified as having all the security requirements for its woodworking tools respecting the European normative EN 847-1.
The European normative EN 847-1 defines the milling tools and saw blades security requirements for woodworking and moreover the technical requirements for the projection of tools.



THE SHARP
SIDE OF
TECHNOLOGY

 **MONTENERO**
WOODWORKING TOOLS

 MADE IN ITALY

www.monteneroutensili.com

ARGENT 1991
50



IL FUTURO DELLA TECNOLOGIA DAL 1970

THE TECHNOLOGICAL FUTURE FROM 1970

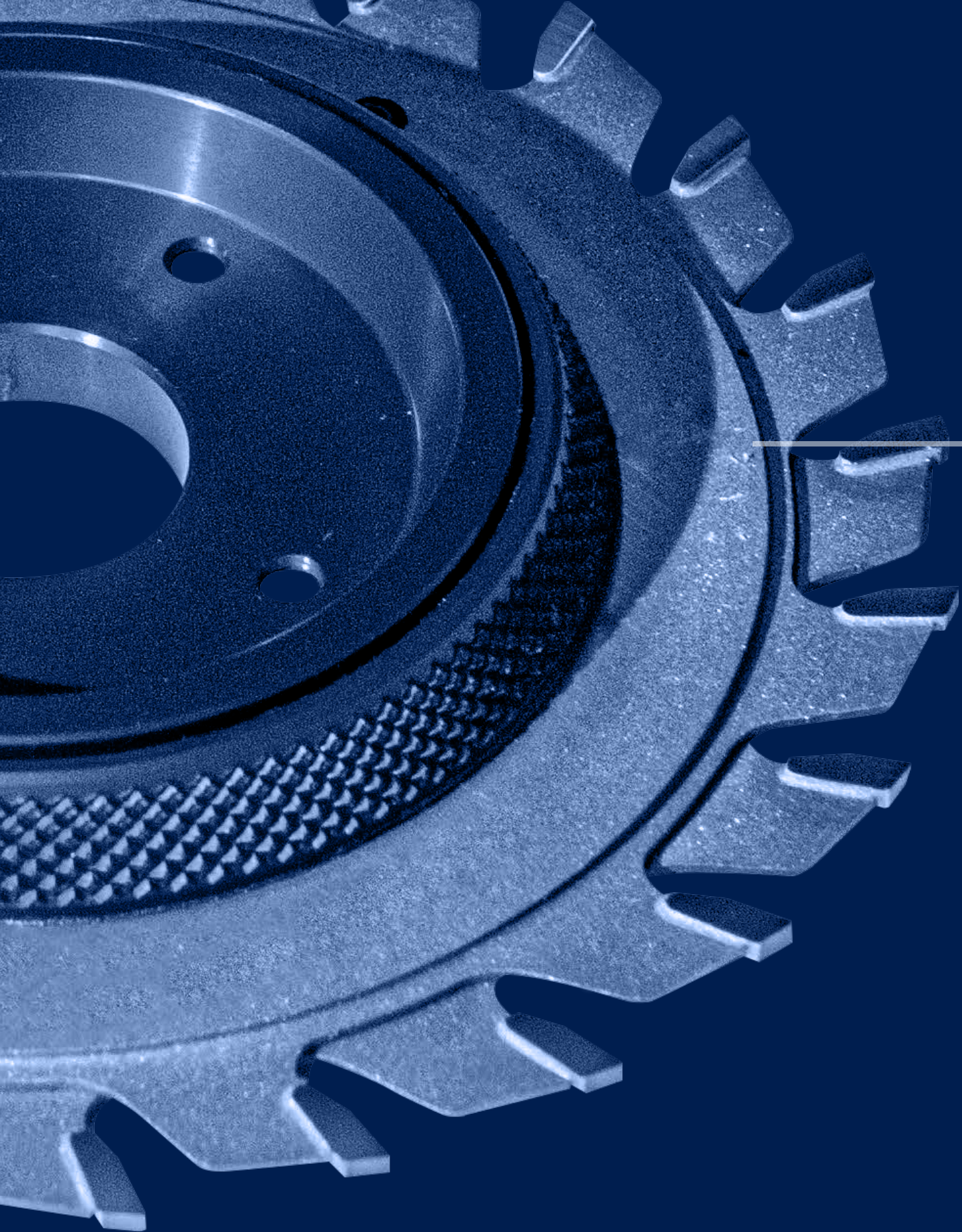
Dal 1970, Montenero è un punto di riferimento nella produzione di utensili per la lavorazione del legno e derivati sia in Italia che all'estero.

Le tecnologie all'avanguardia, guidate dalla preziosa esperienza dei propri tecnici, permettono a Montenero di realizzare ogni anno migliaia di utensili, sia standard che customizzati, in PCD (diamante policristallino) o HW (metallo duro), ad inserto meccanico o in HW integrale, in grado di soddisfare le richieste più specifiche.

Since 1970 Montenero has been the reference point for woodworking tools production and its derivatives both for Italy and overseas.

The state-of-the-art technology driven by the precious experience of our technicians, let Montenero produce thousands of standard and customised tools each year.

These are made in PCD (polycrystalline diamond) or HW (hard metal), with mechanical inserts or HW integral able to satisfy the most specific requests.



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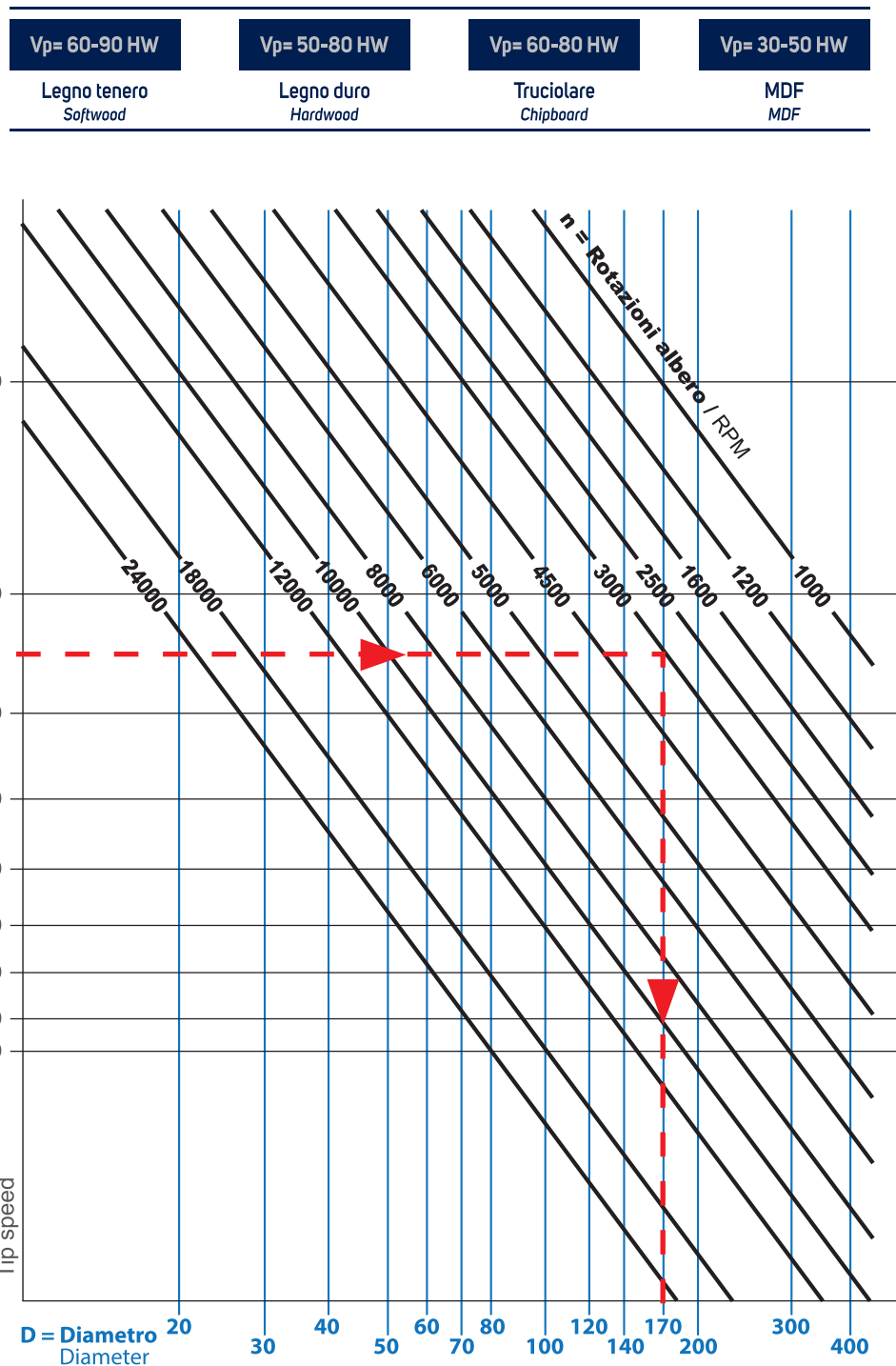
TABELLA RELATIVA ALLE FRESE PER IL CALCOLO: VELOCITÀ PERIFERICA - VELOCITÀ DI ROTAZIONE - DIAMETRO

CUTTER'S CALCULATION TABLE:
TIP SPEED - ROTATION SPEED - DIAMETER

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:
NUMERO DI DENTI - VELOCITÀ DI ROTAZIONE
VELOCITÀ DI AVANZAMENTO - GRADO DI FINITURA**

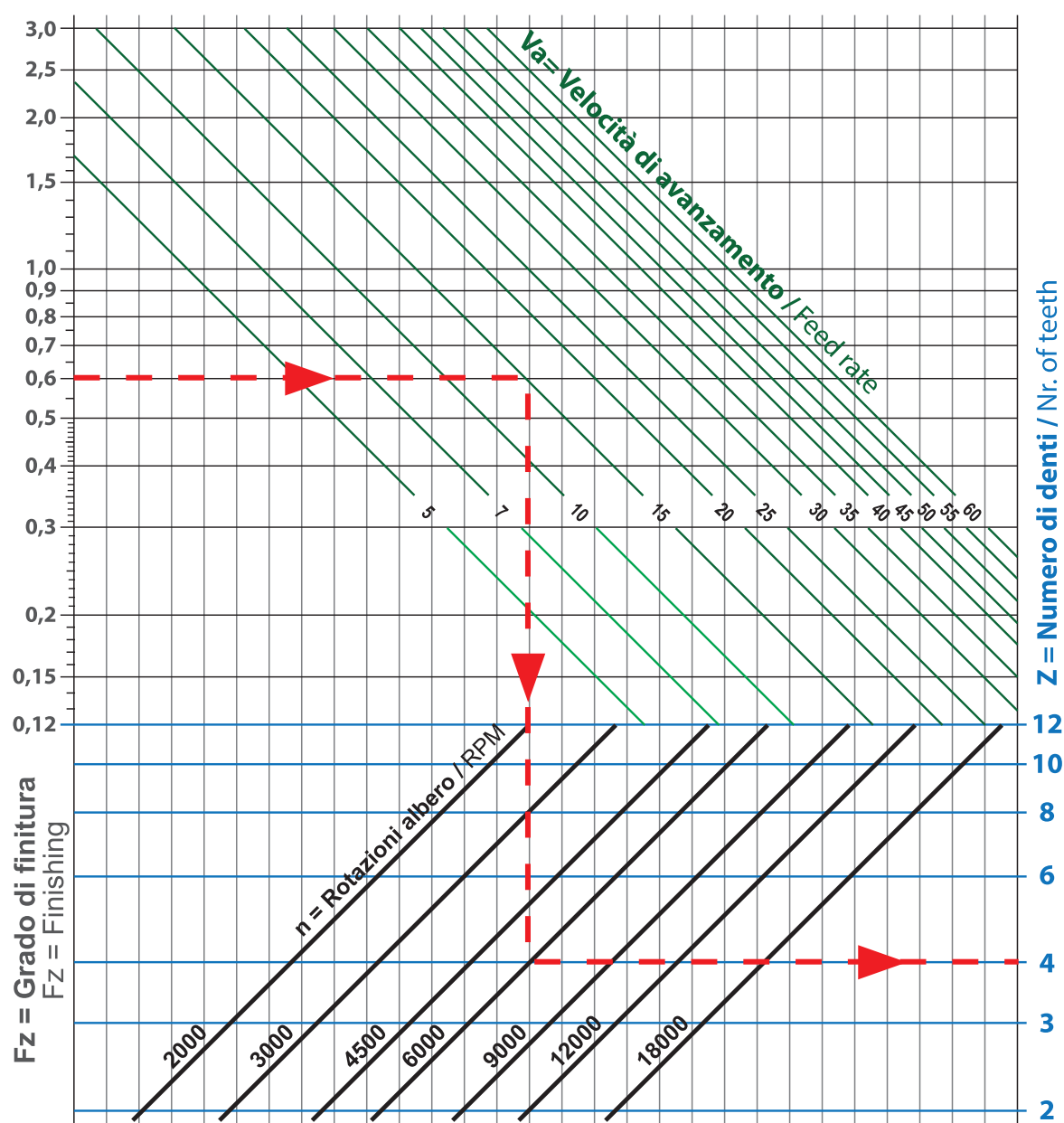
**CUTTER'S CALCULATION TABLE:
NR. OF TEETH - ROTATION SPEED - FEED RATE - DEGREE OF FINISHING**

VP = velocità periferica / tip speed

N = rotazione albero / rpm

D = diametro / diameter

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



FRESE HW INTEGRALI

VHW CUTTERS

VHW FRÄSER

FRESAS VHW

FEZ 010**FRESA HW INTEGRALE ELICOIDALE Z1**

VHW helical cutter Z1
VHW-Schlichtfräser Z1
Fresa elicoidal VHW Z1

12**FEZ 020****FRESA HW INTEGRALE ELICOIDALE Z2**

VHW helical cutter Z2
VHW-Schlichtfräser Z2
Fresa elicoidal VHW Z2

13**FEZ 030****FRESA HW INTEGRALE ELICOIDALE Z3**

VHW helical cutter Z3
VHW-Schlichtfräser Z3
Fresa elicoidal VHW Z3

14**FERT****FRESA HW INTEGRALE ELICOIDALE CON ROMPITRUCIOLO Z3**

VHW helical cutter Z3 with chip breaker
VHW-Schrupfräser Z3
Fresa elicoidal VHW Z3 con rompeviruta

15**FEPN****FRESA HW INTEGRALE ELICOIDALE UP-DOWN**

VHW helical cutter UP-DOWN
VHW-Schlichtfräser UP-DOWN
Fresa elicoidal VHW UP-DOWN

16**FNHW****FRESA HW INTEGRALE ELICOIDALE PER NESTING**

VHW helical NESTING cutter
VHW-NESTING Schlichtfräser
Fresa elicoidal para NESTING

17**FEFP****FRESA HW INTEGRALE ELICOIDALE PER SERRATURE**

VHW helical cutter for lock-set
VHW-Schloßkastenfräser
Fresa elicoidal VHW para cerradura

17**FLZ 020****FRESA HW INTEGRALE TAGLIENTI Dritti LISCI**

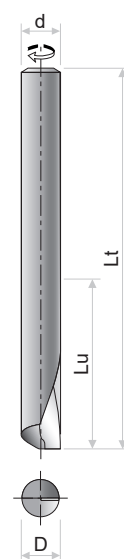
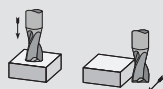
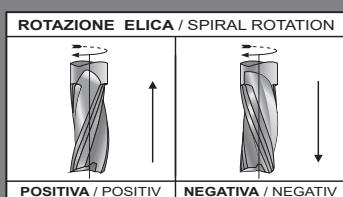
VHW straight cutter
VHW gerade Schlichtfräser
Fresa VHW de dientes rectos

18

FEZ 010

FRESA HW INTEGRALE ELICOIDALE Z1

VHW helical cutter Z1
VHW-Schlichtfräser Z1
Fresa elicoidal VHW Z1



A RICHIESTA SI ESEGUE LAPPATURA E/O COSTRUZIONE IN HW SPECIALE

Lapping and/or construction in special HW is carried out upon request

Z1

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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	90	10	1	POS.
FEZ01020	10	42	90	10	1	NEG.
FEZ01021	10	52	100	10	1	POS.
FEZ01022	10	52	100	10	1	NEG.
FEZ01023	12	32	80	12	1	POS.
FEZ01024	12	32	80	12	1	NEG.
FEZ01025	12	42	90	12	1	POS.
FEZ01026	12	42	90	12	1	NEG.
FEZ01027	12	52	100	12	1	POS.
FEZ01028	12	52	100	12	1	NEG.

FEZ 020

FRESA HW INTEGRALE ELICOIDALE Z2

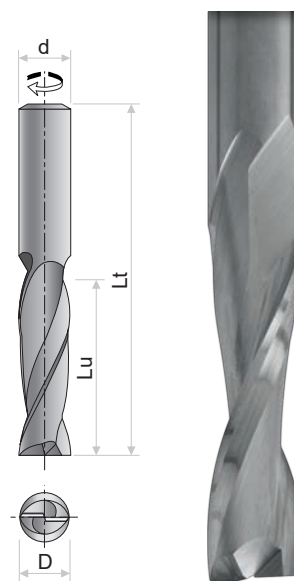
VHW helical cutter Z2

VHW-Schlichtfräser Z2

Fresa elicoidal VHW Z2

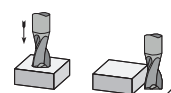
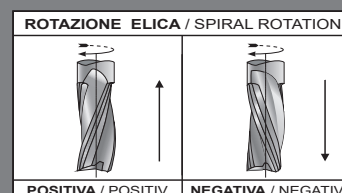
Z2

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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.
FE Z02024	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.



**A RICHIESTA SI ESEGUE LAPPATURA
E/O COSTRUZIONE IN HW SPECIALE**

Lapping and/or construction in special HW
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FEZ 030

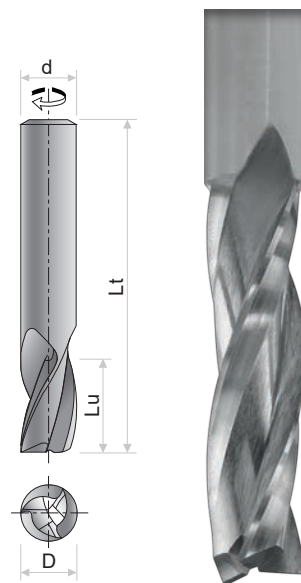
FRESA HW INTEGRALE ELICOIDALE Z3

VHW helical cutter Z3

VHW-Schlichtfräser Z3

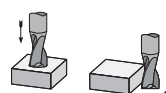
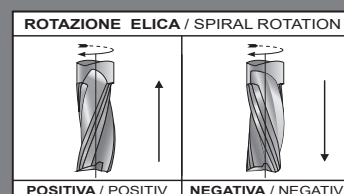
Fresa elicoidal VHW Z3

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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.



**A RICHIESTA SI ESEGUE LAPPATURA
E/O COSTRUZIONE IN HW SPECIALE**

Lapping and/or construction in special HW
is carried out upon request



FERT

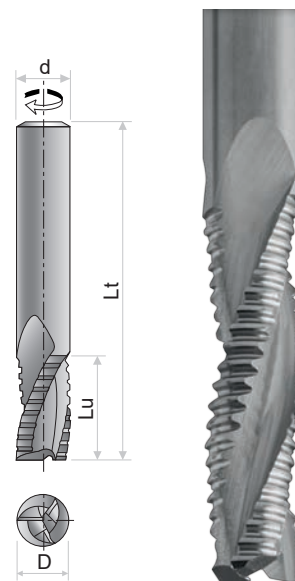
FRESA HW INTEGRALE ELICOIDALE CON ROMPITRUCIOLO Z3

VHW helical cutter Z3 with chip breaker

VHW-Schruppfräser Z3

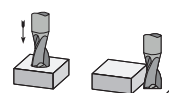
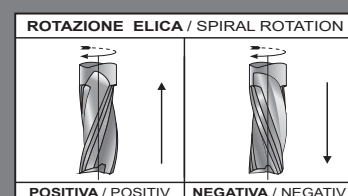
Fresa elicoidal VHW Z3 con rompeviruta

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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.



**A RICHIESTA SI ESEGUE LAPPATURA
E/O COSTRUZIONE IN HW SPECIALE**

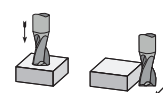
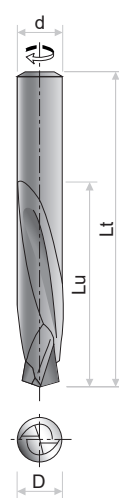
Lapping and/or construction in special HW
is carried out upon request



FEPN

FRESA HW INTEGRALE ELICOIDALE UP-DOWN

VHW helical cutter UP-DOWN
VHW-Schlichtfräser UP-DOWN
Fresa elicoidal VHW UP-DOWN



A RICHIESTA SI ESEGUE LAPPATURA E/O COSTRUZIONE IN HW SPECIALE

Lapping and/or construction in special HW is carried out upon request

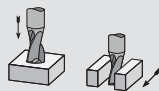
Z1_Z2

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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.
FEPN04	6	22	60	6	2+2	POS.+NEG.
FEPN05	14	52	100	14	2+2	POS.+NEG.
FEPN06	16	52	110	16	2+2	POS.+NEG.
FEPN07	18	52	110	18	2+2	POS.+NEG.
FEPN08	20	52	120	20	2+2	POS.+NEG.
FEPN09	20	72	130	20	2+2	POS.+NEG.
FEPN21	4	15	50	4	1+1	POS.+NEG.
FEPN22	5	17	50	5	1+1	POS.+NEG.
FEPN23	6	22	60	6	1+1	POS.+NEG.
FEPN24	8	32	80	8	1+1	POS.+NEG.
FEPN25	10	32	80	10	1+1	POS.+NEG.
FEPN26	10	42	100	10	1+1	POS.+NEG.
FEPN27	12	42	100	12	1+1	POS.+NEG.
FEPN28	12	52	110	12	1+1	POS.+NEG.

FNHW

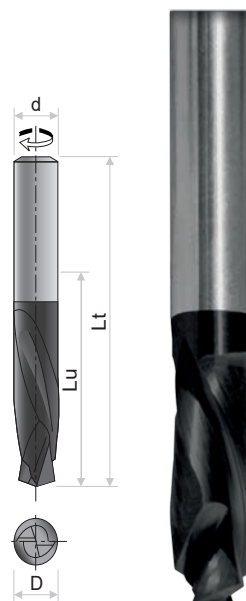
FRESA HW INTEGRALE ELICOIDALE PER NESTING

VHW helical NESTING cutter
VHW-NESTING Schlichtfräser
Fresa elicoidal VHW para NESTING



Z2

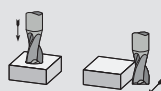
CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - SHANK d mm	Z	ELICA SPIRAL
FNHW01	12	30	80	12	2+2	POS.+ NEG.
FNHW02	12	35	80	12	2+2	POS.+ NEG.



FEEP

FRESA HW INTEGRALE ELICOIDALE PER SERRATURE

VHW helical cutter for lock-set
VHW-Schloßkastenfräser
Fresa elicoidal VHW para cerradura



CRT = con rompitruciolo

RT = with chip breaker

RT = mit Spannbrecher

RT = con rompeviruta

LISCE = senza rompitruciolo

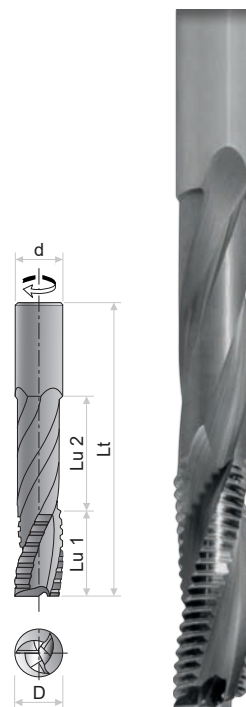
LISCE = without chip breaker

LISCE = ohne Spannbrecher

LISCE = sin rompeviruta

Z3

CODICE CODE	D mm	Lu 1 mm	Lu 2 mm	Lt mm	ATTACCO - SHANK d mm	Z
FEEP01	14	45	55	150	14 CRT	3+3
FEEP02	14	45	55	150	14 LISCE	3+3
FEEP03	16	45	55	150	16 CRT	3+3
FEEP04	16	45	55	150	16 LISCE	3+3
FEEP05	12	45	55	150	12 CRT	3+3
FEEP06	12	45	55	150	12 LISCE	3+3



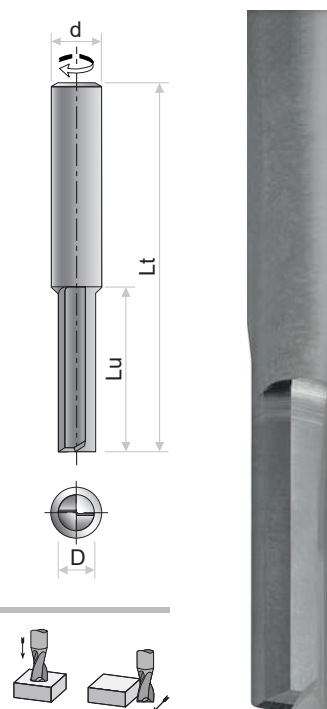
**A RICHIESTA SI ESEGUE LAPPATURA
E/O COSTRUZIONE IN HW SPECIALE**

Lapping and/or construction in special HW
is carried out upon request

FLZ 020

FRESA HW INTEGRALE TAGLIENTI DRITTI LISCI

VHW straight cutter
VHW gerade Schlichtfräser
Fresa VHW de dientes rectos



A RICHIESTA SI ESEGUE LAPPATURA E/O COSTRUZIONE IN HW SPECIALE

Lapping and/or construction in special HW is carried out upon request

Z2

CODICE CODE	D mm	Lu mm	Lt mm	ATTACCO - 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

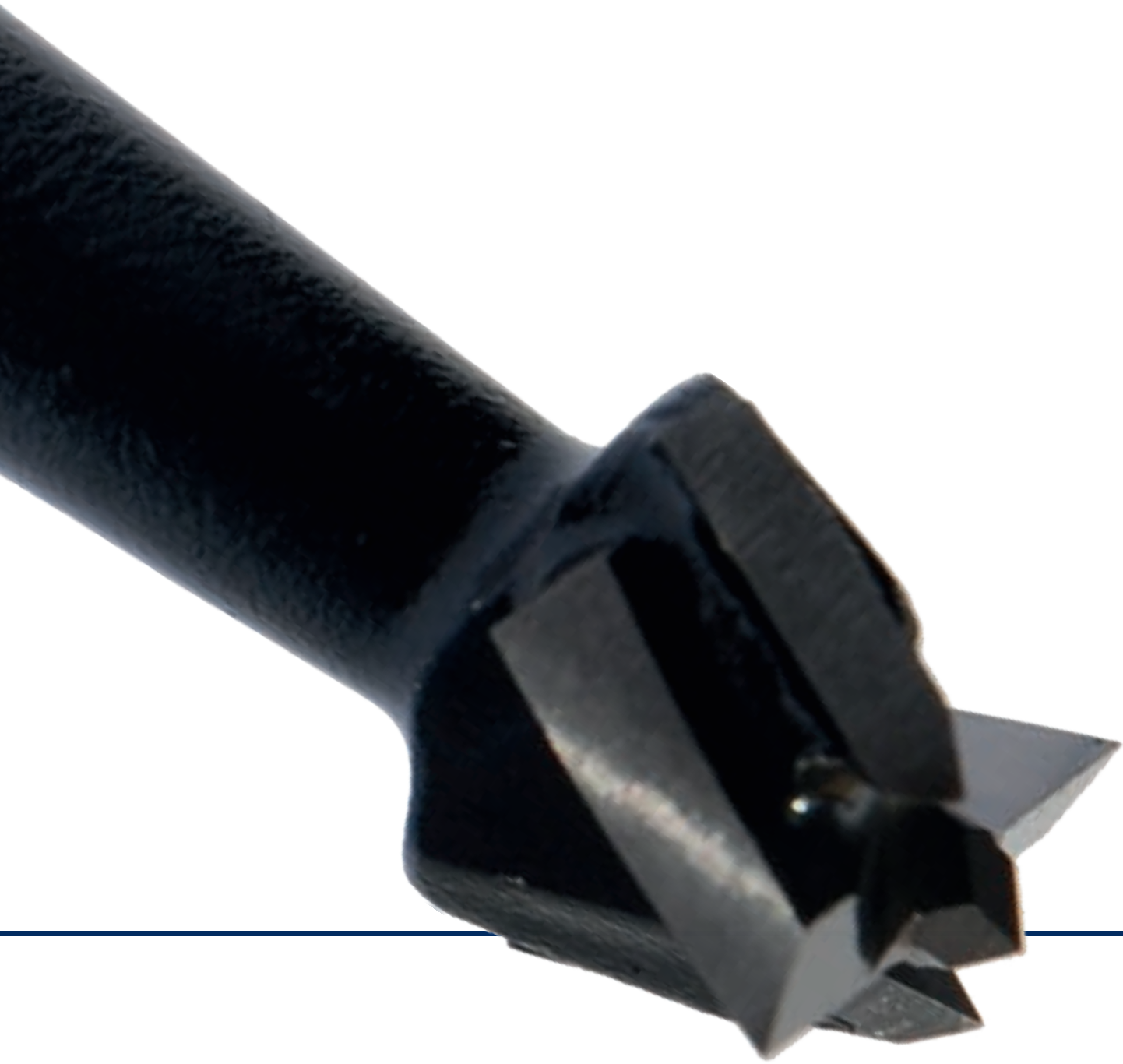


PUNTE FPH

BORING BIT FPH

BOHRER FPH

BROCAS FPH



PUNTE FPH

BORING BIT FPH

BOHRER FPH

BROCAS FPH

FPH 003



PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Senker
Broca para taladradoras múltiples con avellanador

26

FPH 004



PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink
Dübellochbohrer ohne Senker
Broca para taladradoras múltiples sin avellanador

27

FPH 011



PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Senker
Broca para taladradoras múltiples con avellanador

28

FPH 012



PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink
Dübellochbohrer ohne Senker
Broca para taladradoras múltiples sin avellanador

29

FPH 014



PUNTA PER FORATRICI FORO CIECO

Dead hole drill bit
Dübelbohrer für Sacklöcher
Broca para taladros ciegos

30

FPH 015



PUNTA componibile PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

31

FPH 016



PUNTA componibile PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

32

FPH 017



PUNTA HW INTEGRALE PER PICCOLI FORI

VHW twist drill for small holes
VHW Spiralbohrer für kleine Löcher
Broca de widia integral para pequeños taladros

33

FPH 018



MANDRINO PER PUNTE INTEGRALI

Chuck for VHW drills
Reduzierfutter für Vollhartmetallbohrer
Mandril para brocas integrales

34

FPH 019



MANDRINO ELASTICO PER PUNTE INTEGRALI

Spring chuck for VHW drills
Elastische Schaftaufnahme für Vollhartmetallbohrer
Mandril elástico para brocas integrales

34

FPH 021



PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

35

FPH 024



PUNTA COMPONENTE PER FORATRICI MULTIPLE PER FORI PASSANTI

Through hole dowel drill for multi-boring machines
Dübellochbohrer für Durchgangslöcher
Broca componibile para taladradoras múltiples - taladros pasantes

36

FPH 025



PUNTA COMPONENTE PER FORATRICI MULTIPLE PER FORI PASSANTI

Through hole dowel drill for multi-boring machines
Dübellochbohrer für Durchgangslöcher
Broca componibile para taladradoras múltiples - taladros pasantes

37

FPH 026



PUNTA COMPONENTE IN WIDIA INTEGRALE PER FORI PASSANTI

VHW through hole drill
VHW Dübellochbohrer für Durchgangslöcher
Broca componibile de widia integral para taladros pasantes

38

FPH 027/A



PUNTA COMPONENTE IN WIDIA INTEGRALE

VHW dowel drill
VHW Dübellochbohrer
Broca componibile de widia integral

39

FPH 027/B



PUNTA COMPONENTE IN WIDIA INTEGRALE

VHW dowel drill
VHW Dübellochbohrer
Broca componibile de widia integral

40

FPH 028



PUNTA COMPONENTE IN WIDIA INTEGRALE AMBIDESTRA

VHW dowel drill double-handed
VHW beidhändigen Dübellochbohrer
Broca componibile de widia integral con rotación ambidiestra

41

FPH 029



PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

42

FPH 029/P



PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

43

FPH LAS



PUNTA COMPONENTE IN WIDIA "DUROX" AFFILATURA SPECIALE

"DUROX" HW Dowel drill - Special sharpening
DUROX - HW Dübellochbohrer - Sonder Schärfung
Broca componibile de Widia "DUROX" - Afilado Especial

44

PUNTE FPH

BORING BIT FPH

BOHRER FPH

BROCAS FPH

FPH LAS/P



PUNTA componibile in Widia "DUROX" AFFILATURA SPECIALE - FORO PASSANTE

"DUROX" HW Through hole Dowel drill- Special sharpening
DUROX - HW Durchgangsbohrer - Sonder Schärfung
Broca componibile de Widia "DUROX" - Afilado Especial - taladros pasantes

45

FPH 031



SVASATORE PER PUNTE componibili

Countersink for dowel drills
Aufsteckversenker für Dübellochbohrer
Avellanador para brocas componibles

46

FPH 035



PUNTA SVASATORE PER FORATRICI MULTIPLE - FORO CIECO

Dead hole dowel drill with countersink
Dübelbohrer für Sacklöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros ciegos

47

FPH 35-70



PUNTA SVASATORE PER FORATRICI MULTIPLE - FORO CIECO

Dead hole dowel drill with countersink
Dübelbohrer für Sacklöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros ciegos

48

FPH 035P



PUNTA SVASATORE PER FORATRICI MULTIPLE - FORO PASSANTE

Through hole dowel drill with countersink
Dübellochbohrer für Durchgangslöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros pasantes

49

FPH 35P-70



PUNTA SVASATORE PER FORATRICI MULTIPLE - FORO PASSANTE

Through hole dowel drill with countersink
Dübellochbohrer für Durchgangslöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros pasantes

50

FPH 042



PUNTA PER FORI DI PRECISIONE

Cylinder boring bit
Zylinderkopfböhrer
Broca para taladros de precisión

51

FPH 043



PUNTA PER FORI DI PRECISIONE

Cylinder boring bit
Zylinderkopfböhrer
Broca para taladros de precisión

52

FPH 042/R



PUNTA PER FORI DI PRECISIONE CON ROMPIRUCIOLO

Cylinder boring bit with chipbreaker
Zylinderkopfböhrer mit Spannbrecher
Broca para taladros de precisión con rompeviruta

53

FPH 043/R



PUNTA PER FORI DI PRECISIONE CON ROMPITRUCIOLO

Cylinder boring bit with chipbreaker
Zylinderkopfbohrer mit Spannbrecher
Broca para taladros de precisión con rompeviruta

54

FPH 044



PUNTA PER FORI DI PRECISIONE

Cylinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

55

FPH 045



PUNTA PER FORI DI PRECISIONE Z3

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

56

FPH 056



MANDRINO PER PUNTE componibili

Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componibles

57

FPH 057



MANDRINO PER PUNTE componibili

Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componibles

57

FPH 097



PUNTA PER DOPPI FORI

Counterbore drill
Doppelloch-Dübellochbohrer
Broca para taladros dobles

58

FPH 154



PUNTA ELICOIDALE MONOELICA PER FORI PROFONDI

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

59

FPH 177



MANDRINO SVASATORE PORTAPUNTE

Countersink chuck for drills
Spannfutter mit Senker für Dübellochbohrer
Mandril avellanador para brocas

60

FPH 178



MANDRINO SVASATORE PORTAPUNTE

Countersink chuck for drills
Spannfutter mit Senker für Dübellochbohrer
Mandril avellanador para brocas

60

FPH 003

PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Senker
Broca para taladradoras múltiples con avellanador

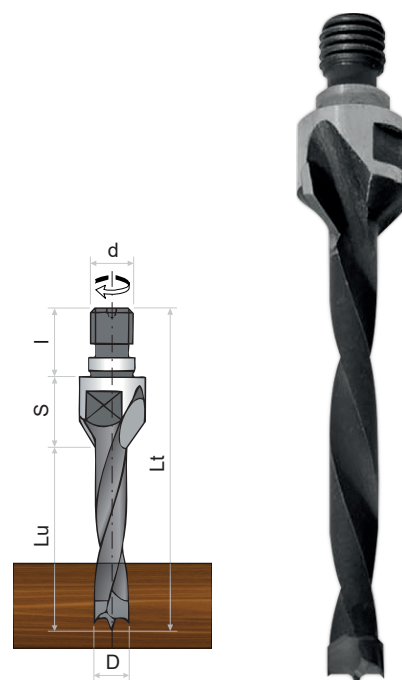
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



MACCHINE - MACHINES

MORBIDELLI WEEKE BIESSE

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

FPH 004

PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink

Dübellochbohrer ohne Senker

Broca para taladradoras múltiples sin avellanador

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar

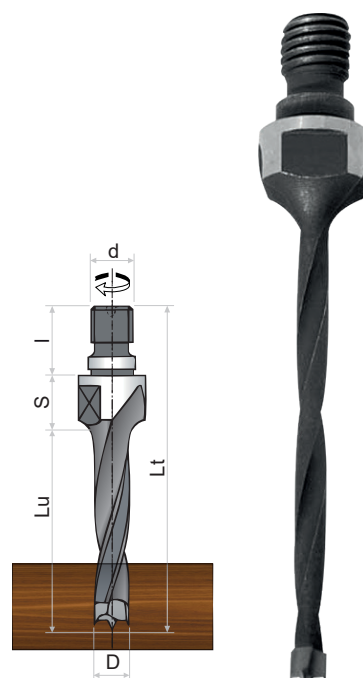


A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



MACCHINE - MACHINES

MORBIDELLI WEEKE BIESSE

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

FPH 011

PUNTA PER FORATRICI MULTIPLE CON SVASATORE

Drill for multiboring machines with countersink
Dübellochbohrer mit Senker
Broca para taladradoras múltiples con avellanador

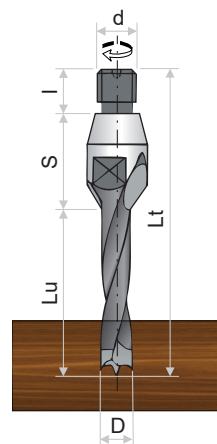
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



MACCHINE - MACHINES

ALBERTI VITAP BUSELLATO

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

FPH 012

PUNTA PER FORATRICI MULTIPLE SENZA SVASATORE

Drill for multiboring machines without countersink

Dübellochbohrer ohne Senker

Broca para taladradoras múltiples sin avellanador

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar

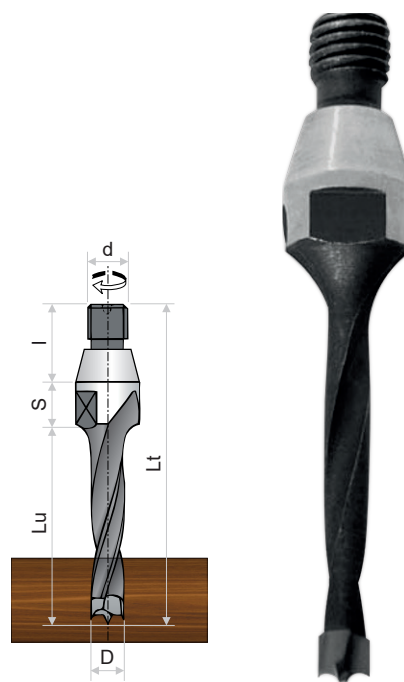


A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



MACCHINE - MACHINES

ALBERTI VITAP BUSELLATO

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

FPH 014

PUNTA PER FORATRICI FORO CIECO

Dead hole drill bit - Dübelbohrer für Sacklöcher - Broca para taladros ciegos

INFORMAZIONI TECNICHE TECHNICAL INFORMATION TECHNISCHE INFORMATIONEN INFORMACIONES TÉCNICAS

Adatto a medi e grandi lotti
Useful for medium and large batches
Geeignet für mittlere und große Partie
Perfecto para lotes medianos y grandes

MACCHINE MACHINES MASCHINEN MÁQUINAS

CNC

Punto - Punto

Pantografi
Pantographs
Pantographen
Pantógrafos

Macchine speciali con inserimento
ad attacco cilindrico

Special machines with cylindrical shank

Sondermaschinen für Schaftfräser

Máquinas especiales con inserción
de mango cilíndrico



MATERIALI LAVORABILI WORKPIECE MATERIALS VERARBEITBARE MATERIALIEN MATERIALES PROCESABLES

Truciolare
Chipboard
Spanplatte
Aglomerado

MDF

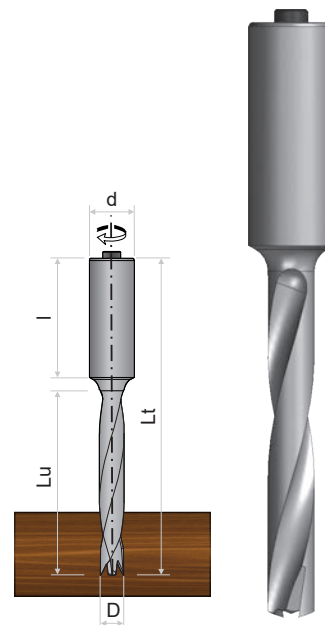
Laminati
Laminated
Laminates
Laminados

Materiali abrasivi
Abrasive materials
Schleifmaterialien
Materiales abrasivos

Legno
Wood
Holz
Madera

APPLICAZIONI APPLICATIONS ANWENDUNGEN APLICACIONES

Foratura
Drilling
Bohren
Taladrar



- AFFILATURA PIATTA SENZA INCISIONI -
Perfect cut without engraving

Z2

CODICE DX RH CODE	CODICE SX LH CODE	D mm	Lu mm	Lt mm	ATTACCO - SHANK d mm l mm	R	Z
FPH01401	FPH01413	4	27	57,5	10 30	2	2
FPH01402	FPH01414	5	27	57,5	10 30	2	2
FPH01403	FPH01415	6	27	57,5	10 30	2	2
FPH01404	FPH01416	7	27	57,5	10 30	2	2
FPH01405	FPH01417	8	27	57,5	10 30	2	2
FPH01406	FPH01418	10	27	57,5	10 30	2	2
FPH01407	FPH01419	4	35	70	10 30	2	2
FPH01408	FPH01420	5	35	70	10 30	2	2
FPH01409	FPH01421	6	35	70	10 30	2	2
FPH01410	FPH01422	7	35	70	10 30	2	2
FPH01411	FPH01423	8	35	70	10 30	2	2
FPH01412	FPH01424	10	35	70	10 30	2	2

PUNTA SPECIALE E INNOVATIVA COSTRUITA IN HW INTEGRALE PER L'ESECUZIONE DI FORI CIECHI SU QUALSIASI MATERIALE

Special and innovative drill bit in VHW for dead holes in any material

Spezielle und innovative Bohrer aus VHW für bohren Sacklöchern in jedes Material

Broca especial e inovativa fabricada en VHW para ejecucion de taladros ciegos en cualquier material

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request / Andere Maße auf Anfrage / Bajo pedido también se realizan otras medidas

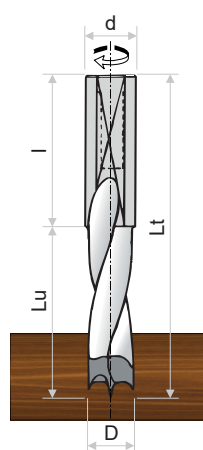
FPH 015

PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines

Dübellochbohrer

Broca componibile para taladradoras múltiples



FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

Z2

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

FPH 016

PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines
Dübellochbohrer
Broca componibile para taladradoras múltiples

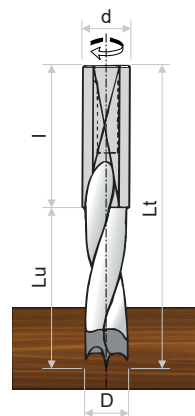
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2

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

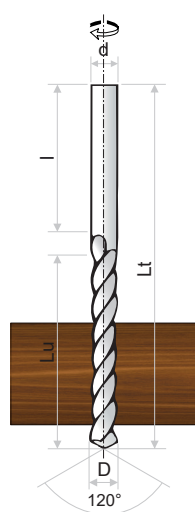
FPH 017

PUNTA HW INTEGRALE PER PICCOLI FORI

VHW twist drill for small holes

VHW Spiralbohrer für kleine Löcher

Broca de widia integral para pequeños taladros



A RICHIESTA SI ESEGUONO
ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

FPH 018

MANDRINO PER PUNTE INTEGRALI

Chuck for VHW drills

Reduzierfutter für Vollhartmetallbohrer

Mandril para brocas integrales

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

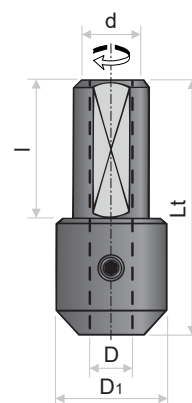
Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



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



FPH 019

MANDRINO ELASTICO PER PUNTE INTEGRALI

Spring chuck for VHW drills

Elastische Schaftaufnahme für Vollhartmetallbohrer

Mandril elástico para brocas integrales

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

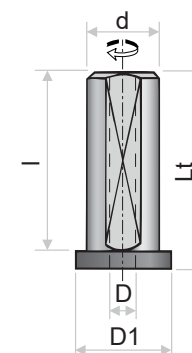
Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



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



FPH 021

PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines

Dübellochbohrer

Broca componibile para taladradoras múltiples

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar

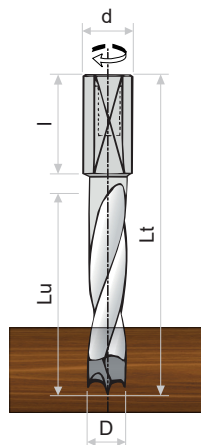


A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

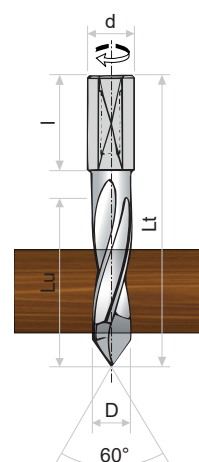
FPH 024

PUNTA COMPONENTE PER FORATRICI MULTIPLE PER FORI PASSANTI

Through hole dowel drill for multi
boring machines

Dübellochbohrer für Durchgangslöcher

Broca componibile para taladradoras múltiples
taladros pasantes



FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

Z2

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

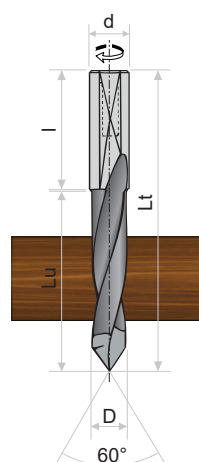
FPH 025

PUNTA COMPONENTE PER FORATRICI MULTIPLE PER FORI PASSANTI

Through hole dowel drill for multi-boring machines

Dübellochbohrer für Durchgangslöcher

Broca componibile para taladradoras múltiples taladros pasantes



FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

Z2

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

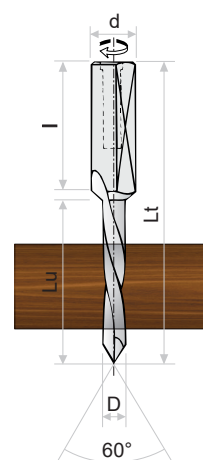
FPH 026

PUNTA COMPONENTE IN WIDIA INTEGRALE PER FORI PASSANTI

VHW through hole drill

VHW Dübellochbohrer für Durchgangslöcher

Broca componibile de widia integral
para taladros pasantes



A RICHIESTA SI ESEGUONO
ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

FPH 027/A

PUNTA COMPONENTE IN WIDIA INTEGRALE

VHW dowel drill

VHW Dübellochbohrer

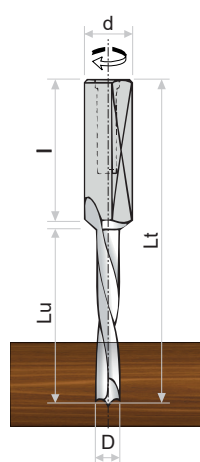
Broca componibile de widia integral

A RICHIESTA SI ESEGUONO
ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

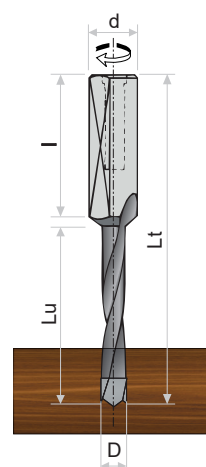
FPH 027/B

PUNTA COMPONENTE IN WIDIA INTEGRALE

VHW dowel drill

VHW Dübellochbohrer

Broca componibile de widia integral



A RICHIESTA SI ESEGUONO
ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

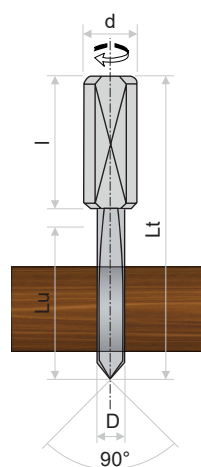
FPH 028

PUNTA COMPONENTE IN WIDIA INTEGRALE AMBIDESTRA

VHW dowel drill double-handed

VHW beidhändigen Dübellochbohrer

Broca componibile de widia integral con rotación ambidiestra



A RICHIESTA SI ESEGUONO
ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



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

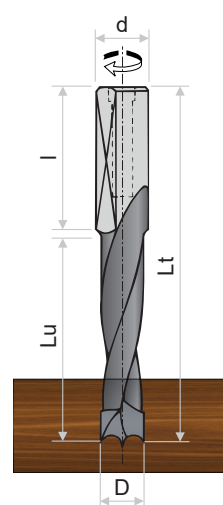
FPH 029

PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines

Dübellochbohrer

Broca componibile para taladradoras múltiples



FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

Z2

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

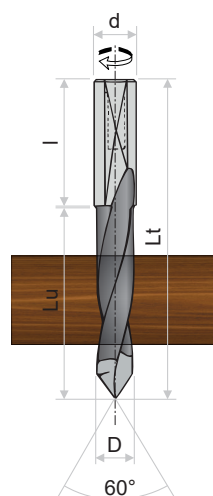
FPH 029/P

PUNTA COMPONENTE PER FORATRICI MULTIPLE

Dowel drill for multiboring machines

Dübellochbohrer

Broca componibile para taladradoras múltiples



FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

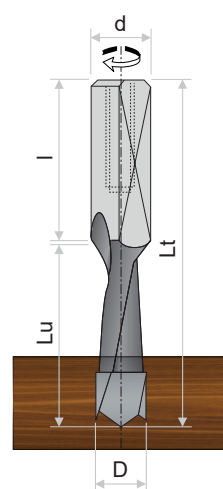
Z2

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

FPH LAS

PUNTA COMPONENTE IN WIDIA "DUROX" AFFILATURA SPECIALE

"DUROX" HW Dowel drill - Special sharpening
DUROX - HW Dübellochbohrer - Sonder Schärfung
Broca componibile de Widia "DUROX" - Afilado Especial



FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

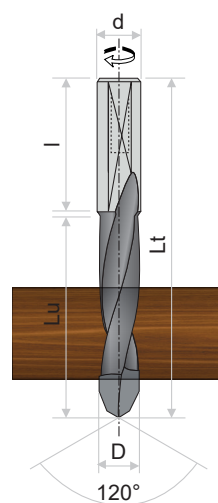
Z2

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

FPH LAS/P

PUNTA COMPONENTE IN WIDIA "DUROX" AFFILATURA SPECIALE FORO PASSANTE

"DUROX" HW Through hole Dowel drill - Special sharpening
DUROX - HW Durchgangsbohrer Sonder Schärfung
Broca componibile de Widia "DUROX" Afilado Especial
taladros pasantes



FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

Z2

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

FPH 031

SVASATORE PER PUNTE COMPONENTI

Countersink for dowel drills
Aufsteckversenker für Dübellochbohrer
Avellanador para brocas componibles

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

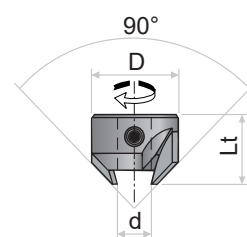
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



Z2

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



FPH 035

PUNTA SVASATORE PER FORATRICI MULTIPLE - FORO CIECO

Dead hole dowel drill with countersink

Dübelbohrer für Sacklöcher mit Senker

Broca avellanador para taladradoras múltiples - taladros ciegos

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

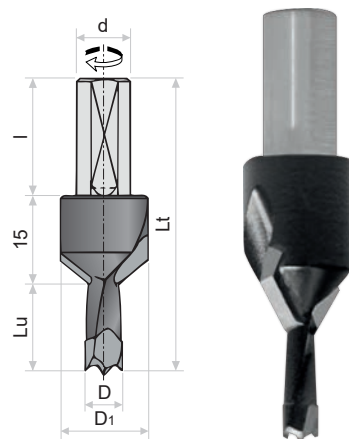
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2

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

FPH 35-70

PUNTA SVASATORE PER FORATRICI MULTIPLE FORO CIECO

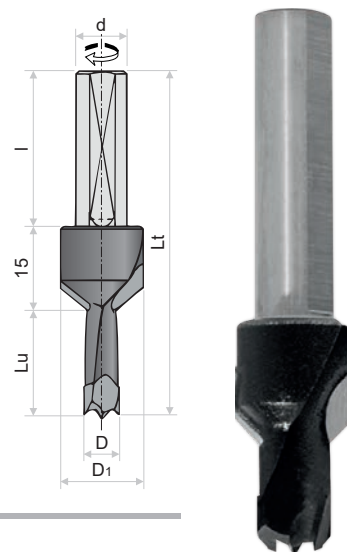
Dead hole dowel drill with countersink
Dübelbohrer für Sacklöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros ciegos

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2

CODICE DX RH CODE	CODICE SX LH CODE	D mm	D1 mm	Lu mm	Lt mm	ATTACCO - SHANK d mm l mm		Z
FPH357001	FPH357029	5	16	13	70	10	42	2
FPH357002	FPH357030	5	16	20	70	10	35	2
FPH357003	FPH357031	5	16	25	70	10	30	2
FPH357004	FPH357032	5	16	30	70	10	25	2
FPH357005	FPH357033	6	16	13	70	10	42	2
FPH357006	FPH357034	6	16	20	70	10	35	2
FPH357007	FPH357035	6	16	25	70	10	30	2
FPH357008	FPH357036	6	16	30	70	10	25	2
FPH357009	FPH357037	8	16	13	70	10	42	2
FPH357010	FPH357038	8	16	20	70	10	35	2
FPH357011	FPH357039	8	16	25	70	10	30	2
FPH357012	FPH357040	8	16	30	70	10	25	2
FPH357013	FPH357041	10	16	13	70	10	42	2
FPH357014	FPH357042	10	16	20	70	10	35	2
FPH357015	FPH357043	10	16	25	70	10	30	2
FPH357016	FPH357044	10	16	30	70	10	25	2
FPH357017	FPH357045	12	16	13	70	10	42	2
FPH357018	FPH357046	12	16	20	70	10	35	2
FPH357019	FPH357047	12	16	25	70	10	30	2
FPH357020	FPH357048	12	16	30	70	10	25	2
FPH357021	FPH357049	14	16	13	70	10	42	2
FPH357022	FPH357050	14	16	20	70	10	35	2
FPH357023	FPH357051	14	16	25	70	10	30	2
FPH357024	FPH357052	14	16	30	70	10	25	2
FPH357025	FPH357053	16	16	13	70	10	42	2
FPH357026	FPH357054	16	16	20	70	10	35	2
FPH357027	FPH357055	16	16	25	70	10	30	2
FPH357028	FPH357056	16	16	30	70	10	24	2

FPH 035P

PUNTA SVASATORE PER FORATRICI MULTIPLE FORO PASSANTE

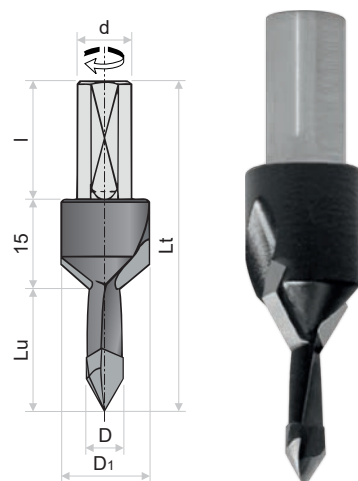
Through hole dowel drill with countersink
Dübellochbohrer für Durchgangslöcher mit Senker
Broca avellanador para taladradoras múltiples - taladros pasantes

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2

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

FPH 35P-70

PUNTA SVASATORE PER FORATRICI MULTIPLE FORO PASSANTE

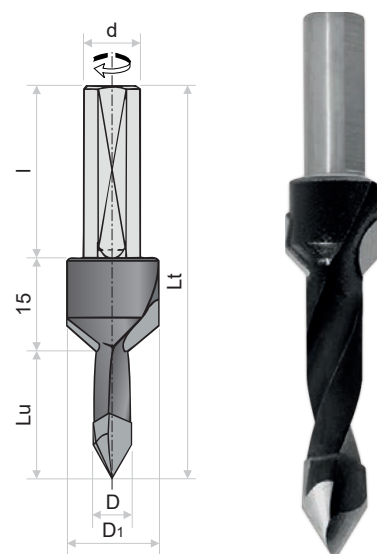
Through hole dowel drill with countersink
Dübellochbohrer für Durchgangslöcher mit Senker
Broca avellanador para taladradoras
múltiples - taladros pasantes

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2

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

FPH 042

PUNTA PER FORI DI PRECISIONE

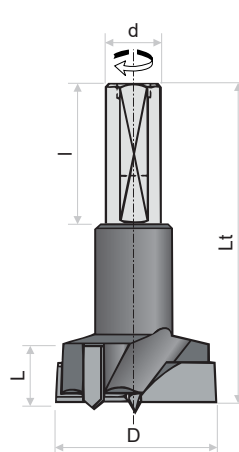
Cylinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2+2

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

FPH 043

PUNTA PER FORI DI PRECISIONE

Cylinder boring bit

Zylinderkopfbohrer

Broca para taladros de precisión

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

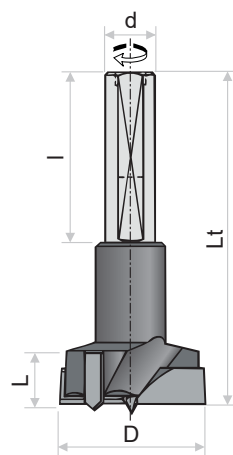
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas



Z2+2

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

FPH 042/R

PUNTA PER FORI DI PRECISIONE CON ROMPITRUCIOLO

Cylinder boring bit with chipbreaker
Zylinderkopfbohrer mit Spannbrecher
Broca para taladros de precisión
con rompeviruta

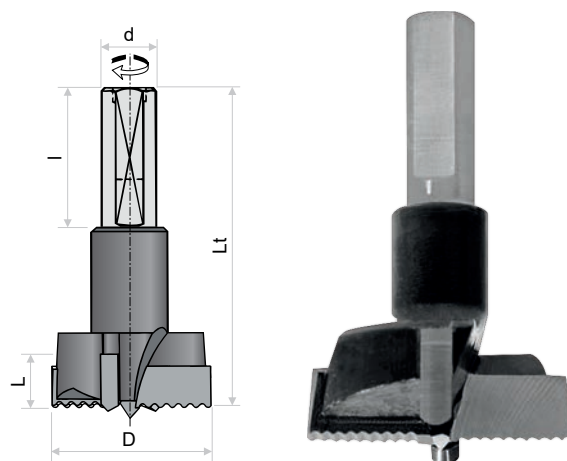
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2+2

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

FPH 043/R

PUNTA PER FORI DI PRECISIONE CON ROMPITRUCIOLO

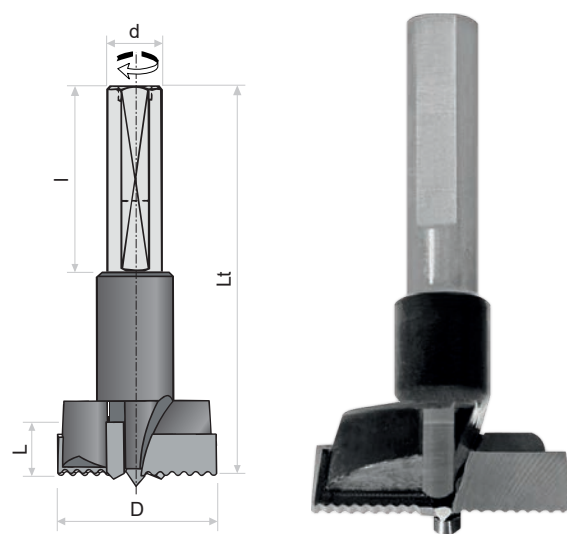
Cylinder boring bit with chipbreaker
Zylinderkopfborher mit Spannbrecher
Broca para taladros de precisión con rompeviruta

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2+2

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

FPH 044

PUNTA PER FORI DI PRECISIONE

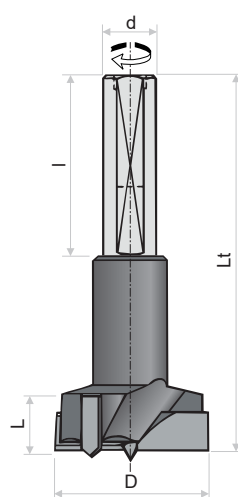
Cylinder boring bit
Zylinderkopfbohrer
Broca para taladros de precisión

FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar

A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



Z2

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

FPH 045

PUNTA PER FORI DI PRECISIONE Z3

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

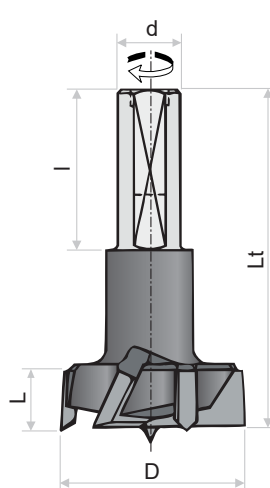
FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas



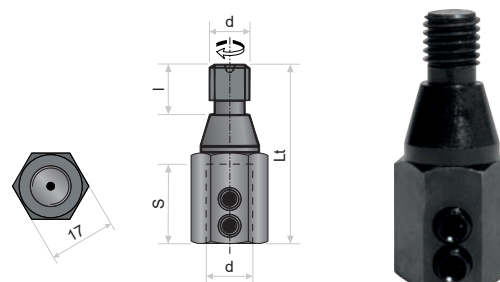
Z3+3

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

FPH 056

MANDRINO PER PUNTE COMPONIBILI

Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componibles



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

MACCHINE - MACHINES ALBERTI VITAP BUSELLATO

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

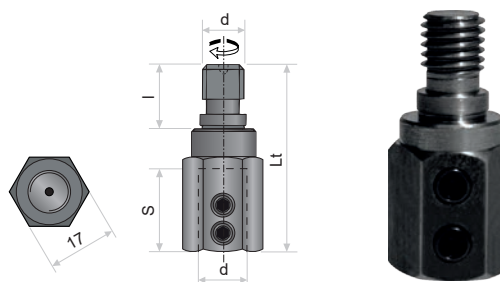
RICAMBI ORDINABILI SPARE PARTS

CODICE CODE	Q.tà Q.ty
VT078  M6 x 6	x 2

FPH 057

MANDRINO PER PUNTE COMPONIBILI

Chuck for dowel drills
Spannfutter für Dübellochbohrer
Mandril para brocas componible



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

MACCHINE - MACHINES MORBIDELLI WEEKE BIESSE

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

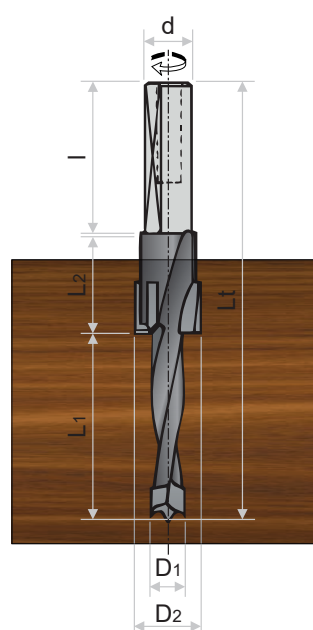
RICAMBI ORDINABILI SPARE PARTS

CODICE CODE	Q.tà Q.ty
VT078  M6 x 6	x 2

FPH 097

PUNTA PER DOPPI FORI

Counterbore drill
Doppelloch-Dübellochbohrer
Broca para taladros dobles



FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



MISURE A RICHIESTA

Dimensions available on request

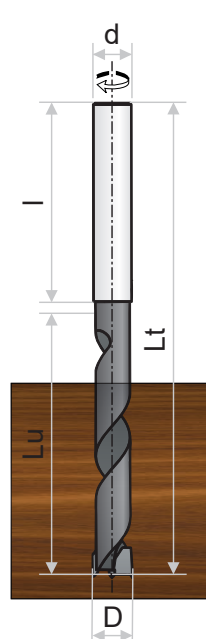
Z2+2

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

FPH 154

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



FORANTE IN HW

HW drilling bit
HW Einbohrschneide
Placa de HW para taladrar



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request
Andere Maße auf Anfrage
Bajo pedido también se realizan otras medidas

Z1

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

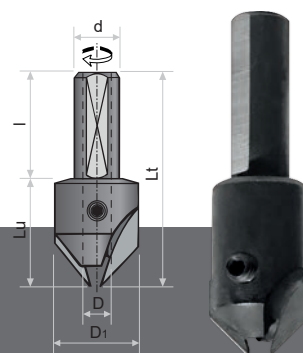
FPH 177

MANDRINO SVASATORE PORTAPUNTE

Countersink chuck for drills

Spannfutter mit Senker für Dübellochbohrer

Mandril avellanador para brocas



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

FORANTE IN HW

HW drilling bit

HW Einbohrschneide

Placa de HW para taladrar

Z2

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

RICAMBI ORDINABILI
SPARE PARTS

CODICE
CODE

Q.tà
Q.ty

VT039



x 1

M5 x 5

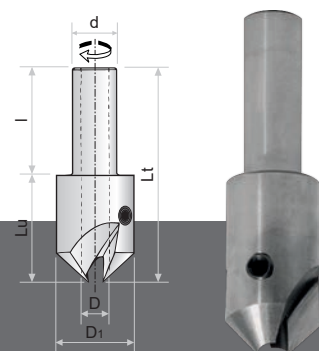
FPH 178

MANDRINO SVASATORE PORTAPUNTE

Countersink chuck for drills

Spannfutter mit Senker für Dübellochbohrer

Mandril avellanador para brocas



A RICHIESTA SI ESEGUONO ANCHE ALTRE MISURE

Other dimensions available on request

Andere Maße auf Anfrage

Bajo pedido también se realizan otras medidas

Z2

CODICE DX RH CODE	CODICE SX LH CODE	D mm	D1 mm	L mm	Lt mm	ATTACCO - SHANK d mm l mm	Z
FPH17801	FPH17808	3	16	30	60	10 30	2
FPH17802	FPH17809	3,5	16	30	60	10 30	2
FPH17803	FPH17810	4	16	30	60	10 30	2
FPH17804	FPH17811	4,5	16	30	60	10 30	2
FPH17805	FPH17812	5	16	30	60	10 30	2
FPH17806	FPH17813	5,5	16	30	60	10 30	2
FPH17807	FPH17814	6	16	30	60	10 30	2

RICAMBI ORDINABILI
SPARE PARTS

CODICE
CODE

Q.tà
Q.ty

VT039



x 1

M5 x 5

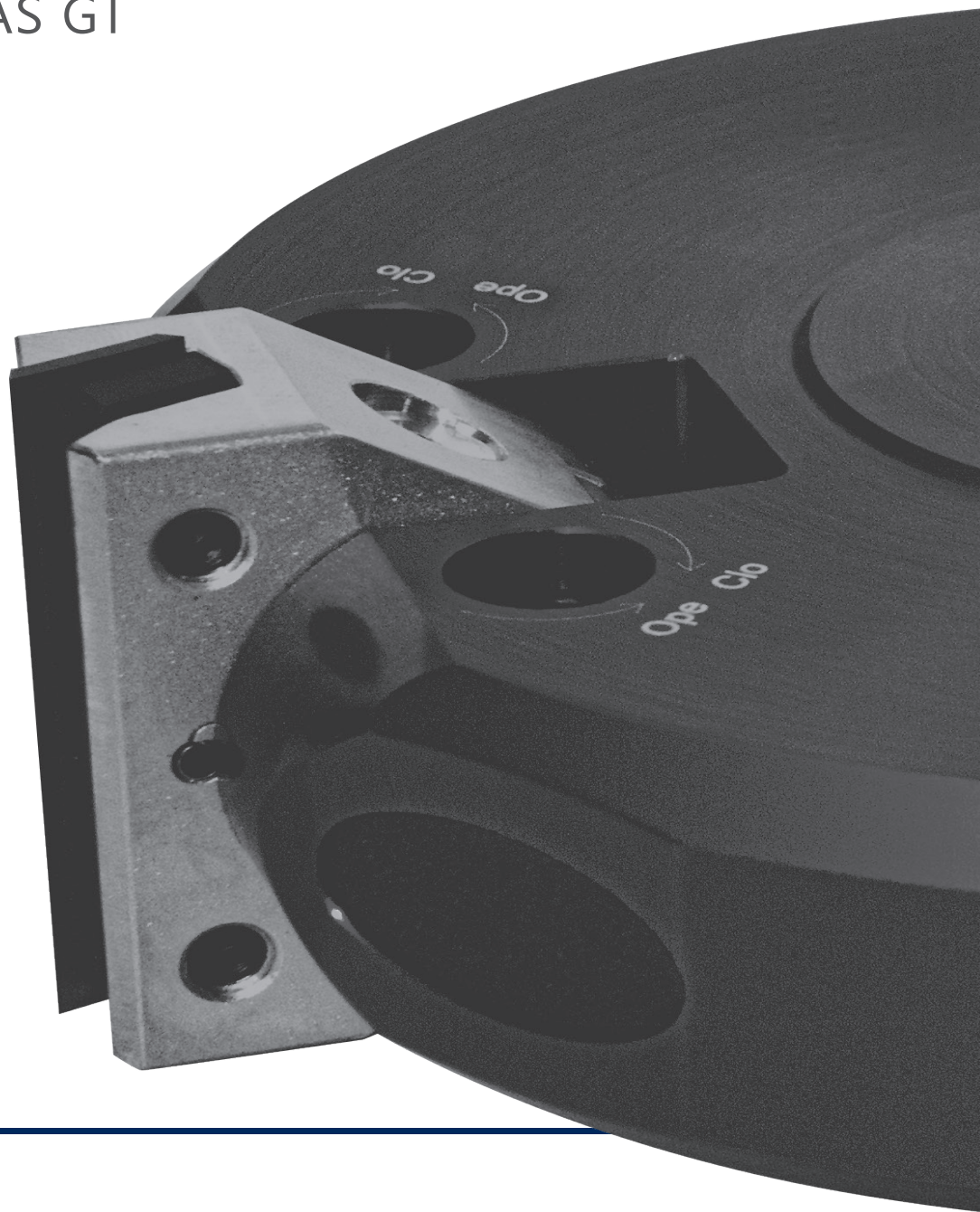


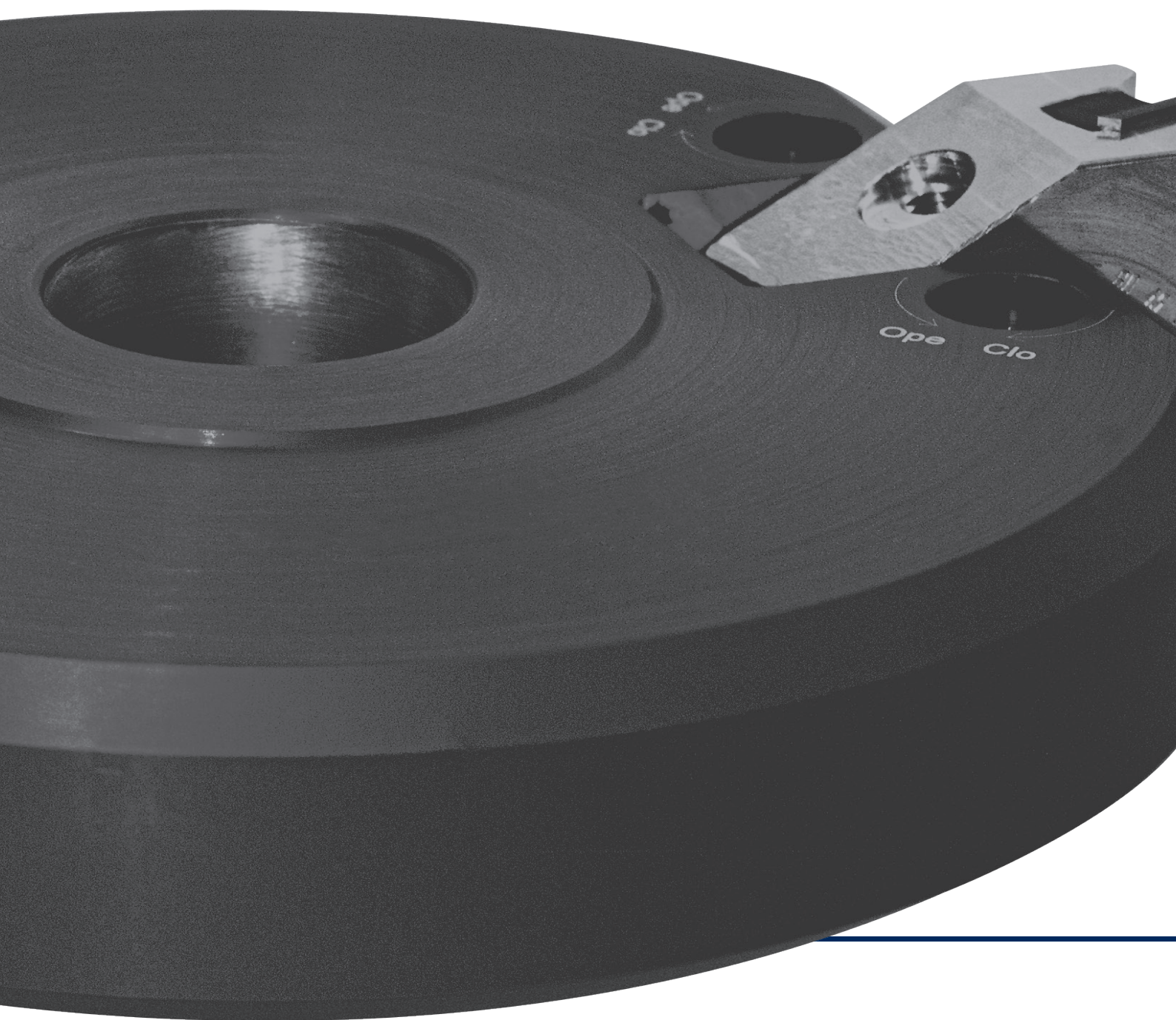
FRESE GT

GT CUTTERS

GT FRÄSER

FRESAS GT





FRESE GT

GT CUTTERS GT FRÄSER FRESAS GT

GT 010



TESTA PER QUARTO DI TONDO RAGGIO PICCOLO

Cutterhead for quarter of a round - Small radius
Viertelstab Messerkopf - Kleiner Radius
Cabezal para cuarto de redondo - Radio pequeño

66

GT 012



TESTA PER QUARTO DI TONDO RAGGIO MEDIO

Cutterhead for a quarter of a round - Medium radius
Viertelstab Messerkopf - Mittlerer Radius
Cabezal para cuarto de redondo - Radio medio

67

GT 020



TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO PER BATTUTE

Multifunction rabbeting cutterhead with alternate axial angle
Falzmesserkopf mit Axialwinkel
Cabezal multifunción para galces con ángulo axial alterno

68

GT 021



TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO CON INSERTI

Multifunction cutterhead with alternate axial angle with inserts
Falzmesserkopf mit Axialwinkel und Inserten
Cabezal multifunción con ángulo axial alterno y insertos

70

GT 030



TESTA A FINIRE

Finishing cutterhead
Schlichtmesserkopf
Cabezal para acabar

72

GT 040

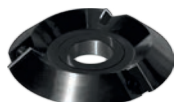


TESTA A INCLINAZIONE REGOLABILE ± 90°

Cutterhead with adjustable chamfer ± 90°
Schwenkmesserkopf mit Verstellbereich ±90°
Cabezal orientable para biselar ± 90°

73

GT 050



TESTA PER SMUSSI A 45°

45° chamfering cutterhead
Fasemesserkopf 45°
Cabezal para biseles de 45°

74

GT 060



TESTA MULTIFUNZIONE REGOLABILE

Adjustable multifunction cutterhead
Verstellbarer Multifunktionsmesserkopf
Cabezal multifunción extensible

76

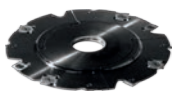
GT 070



TESTA FISSAPER INCASTRI

Fix grooving cutterhead
Fest-Nutmesserkopf
Cabezal fijo para ranurar

78

GT 080**TESTA REGOLABILE PER INCASTRI
CON ANELLI**

Adjustable grooving cutterhead with rings
Verstellbarer Nutmesserkopf mit Ringen
Cabezal para ranurar extensible con anillos

80**GT 085****TESTA REGOLABILE PER INCASTRI
CON ANELLI MODULABILE**

Adjustable grooving cutterhead with rings - Adjustable
Verstellbarer Nutfräserkopf mit Ringen - Modulierbar
Cabezal para ranurar extensible con anillos - Modulable

82**GT 086****MODULO CENTRALE PER GT085**

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

84**GT 090****TESTA PER LAMELLO**

Cutterhead for Lamello
Messerkopf für Lamello
Cabezal para Lamello

85**GT 100****GRUPPO PER PARQUETS
E PERLINE**

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

86**GT 110****TESTA PER REFILARE E SMUSSARE**

Cutterhead for trimming and chamfering
Messerkopf für beschneiden und kanten
Cabezal para ranurar y perfilar

90**GT 120****TESTA PER TENONATRICE**

Cutterhead for tenoning machine
Messerkopf für Zapfenschneidmaschine
Cabezal para máquina molduradora

91**GT 130****TESTA SPECIALE PER COLTELLI
REVERSIBILI**

Special cutterhead for reversible knives
Sonder Messerkopf für Wendeschneidplatte
Cabezal especial con cuchillas reversibles

92

GT 010

TESTA PER QUARTO DI TONDO RAGGIO PICCOLO

Cutterhead for quarter of a round - Small radius
 Viertelstab Messerkopf - Kleiner Radius
 Cabezal para cuarto de redondo - Radio pequeño

* COMPRENDE UN SET DI COLTELLI CON RAGGI: 5-6-8

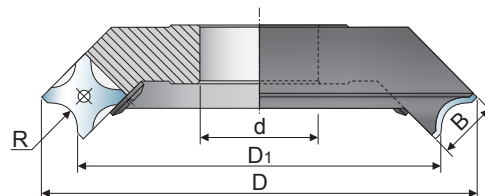
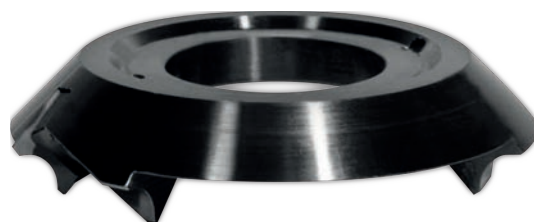
Knives' set with 5-6-8 radius included
 Messerset mit Radius 5-6-8 inklusive
 Set de cuchillas con radio 5-6-8 incluidos

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

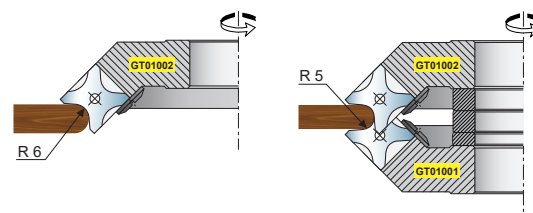
COLTELLI CON RAGGI INTERMEDI A RICHIESTA

Knives with intermediate radius on request
 Messer mit Zwischenradius auf Anfrage
 Cuchillas con radios intermedio a petición



ESEMPI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D/D1 mm	B mm	d mm	Z	ROT. Z. ROTAT.	RAGGIO
GT01001	ACCIAIO	149/125	20	35/40	3	R	5
GT01002	ACCIAIO	149/125	20	35/40	3	L	5
GT01003	ACCIAIO	149/125	20	35/40	3	R	6
GT01004	ACCIAIO	149/125	20	35/40	3	L	6
GT01005	ACCIAIO	149/125	20	35/40	3	R	8
GT01006	ACCIAIO	149/125	20	35/40	3	L	8
GT01007	ACCIAIO	149/125	20	35/40	3	R+L	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/02	03/04	05/06	07
Coltello/Knife	20x21x2 R5	CRR01	3	/	/	6
Coltello/Knife	20x21x2 R6	CRR02	/	3	/	6
Coltello/Knife	20x21x2 R8	CRR03	/	/	3	6
Cuneo/Wedge	18x15x8	CU124	3	3	3	6
Ogiva/Nut	Ø13x9	OG001	3	3	3	6
Vite per Ogiva/Nut's Screw	M8x22	VT001	3	3	3	6
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	3	3	3	6
Set Anelli/Set Rings	d35/40x30	SA019	/	/	/	1
Chiave per Coltello/Knife's Key	Esagonale 4	CH004	1	1	1	1
Valigetta/Handbag		VAL01	/	/	/	1

GT 012

TESTA PER QUARTO DI TONDO RAGGIO MEDIO

Cutterhead for a quarter of a round - Medium radius
Viertelstab Messerkopf - Mittlerer Radius
Cabezal para cuarto de redondo - Radio medio

* COMPRENDE UN SET DI COLTELLI CON RAGGI: 14-15-16

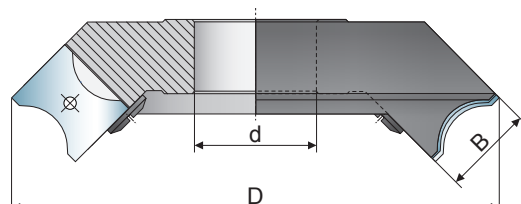
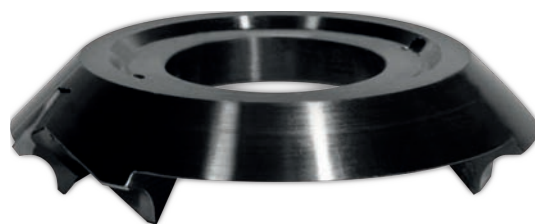
Knives' set with 14-15-16 radius included
Messerset mit Radius 14-15-16 inklusive
Set de cuchillas con radio 14-15-16 incluidos

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

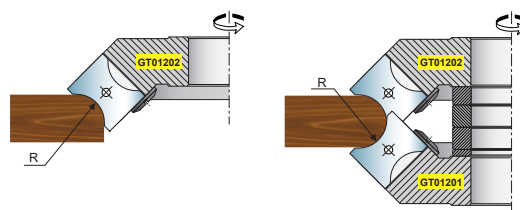
COLTELLI CON RAGGI INTERMEDI A RICHIESTA

Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	ROTAZ. ROTAT.	RAGGIO
GT01201	ACCIAIO	160	30	35/40	3	R	14
GT01202	ACCIAIO	160	30	35/40	3	L	14
GT01203	ACCIAIO	160	30	35/40	3	R	15
GT01204	ACCIAIO	160	30	35/40	3	L	15
GT01205	ACCIAIO	160	30	35/40	3	R	16
GT01206	ACCIAIO	160	30	35/40	3	L	16
GT01207	ACCIAIO	160	30	35/40	3	R+L	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/02	03/04	05/06	07
Coltello /Knife	30x25x2 R14	CRR04	3	/	/	6
Coltello /Knife	30x25x2 R15	CRR05	/	3	/	6
Coltello /Knife	30x25x2 R16	CRR06	/	/	3	6
Cuneo /Wedge	18x28x8	CU125	3	3	3	6
Ogiva /Nut	Ø13x9	OG001	3	3	3	6
Vite per Ogiva /Nut's Screw	M8x22	VT001	3	3	3	6
Vite di riferimento /Positioning Screw	M5x7 Ø16	VT012	3	3	3	6
Set Anelli /Set Rings	d35 / 40x39	SA020	/	/	/	1
Chiave per Coltello /Knife's Key	Esagonale 4	CH004	1	1	1	1
Valigetta /Handbag		VAL01	/	/	/	1

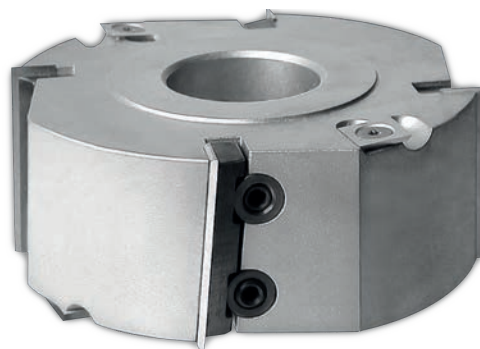
GT 020

TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO PER BATTUTE

Multifunction rabbeting cutterhead
with alternate axial angle

Falzmesserkopf mit Axialwinkel

Cabezal multifunción para galces
con ángulo axial alterno

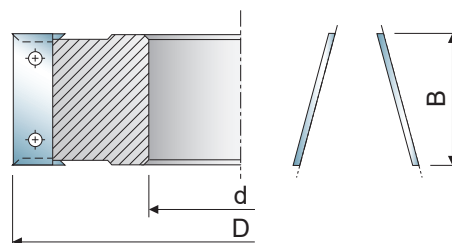


CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

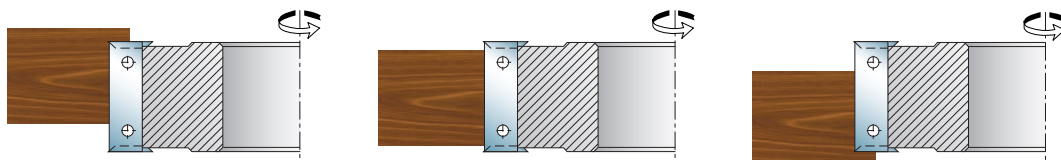
Cuerpo en aleación ligera, no utilizar sosa cáustica



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	ACCIAIO	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

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	50×12×1,5	CGZ215	4	4	/	/	/	/
Coltello/Knife	60×12×1,5	CGZ217	/	/	4	4	/	/
Coltello/Knife	80×13×2,2	CGZ219	/	/	/	/	4	4
Rasante/Spur	14×14×2	RAS02	4	4	4	4	4	4
Cuneo/Wedge	46×15×8	CU004	4	4	/	/	/	/
Cuneo/Wedge	56×15×8	CU006	/	/	4	4	/	/
Cuneo/Wedge	76×15×8	CU007	/	/	/	/	4	4
Ogiva/Nut	Ø13×9	OG001	8	8	8	8	12	12
Vite per Rasante/Spur's Screw	M5×7 Ø8,8	VT064	4	4	4	4	4	4
Vite per Ogiva/Nut's Screw	M8×22	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

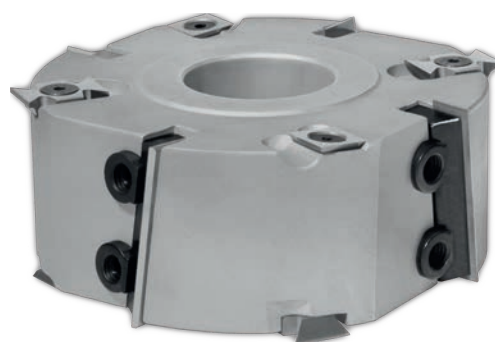
GT 021

TESTA MULTIFUNZIONE CON ANGOLO ASSIALE ALTERNO CON INSERTI

Multifunction cutterhead with alternate axial angle with inserts

Falzmesserkopf mit Axialwinkel und Inserten

Cabezal multifunción con ángulo axial alterno y insertos



CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

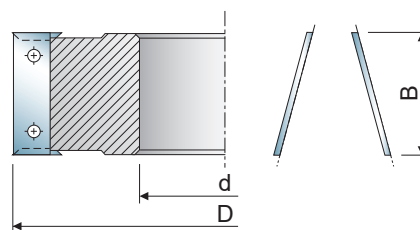
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

Cuerpo en aleación ligera, no utilizar sosa cáustica

* 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.

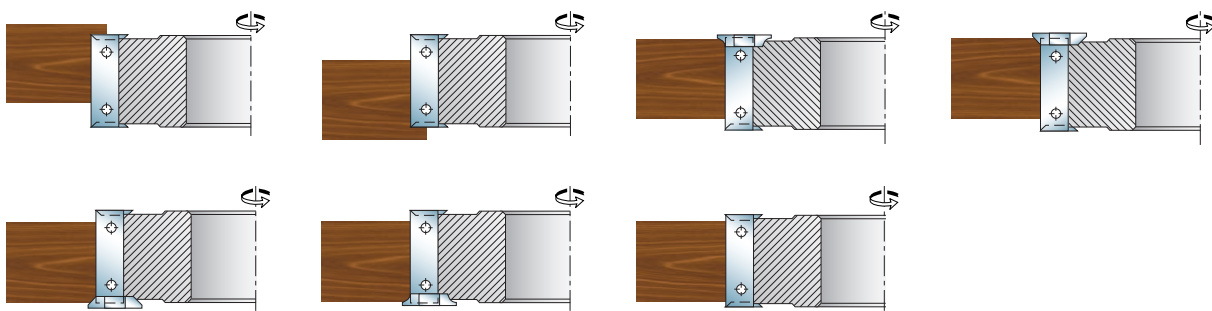
Los insertos redondeadores y achanfladores se deben especificar en el pedido



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	S	PESO Kg
GT02101	LEGA LEGG.	125	30	35/40/50	4	2+2	2+2	2,66
GT02102	LEGA LEGG.	125	50	35/40/50	4	2+2	2+2	4,44

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



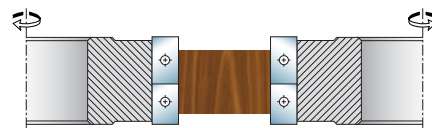
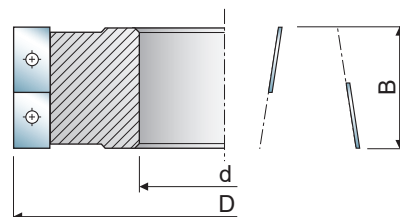
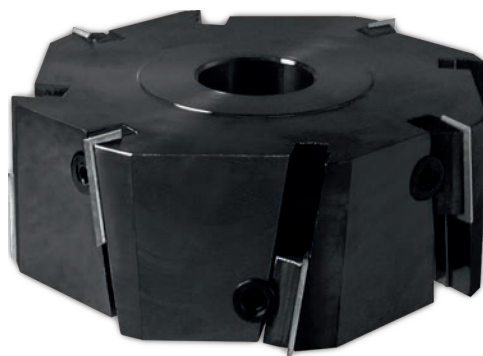
DISTINTA BASE/Bill of Materials

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

GT 030

TESTA A FINIRE

Finishing cutterhead
Schlichtmesserkopf
Cabezal para acabar



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

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

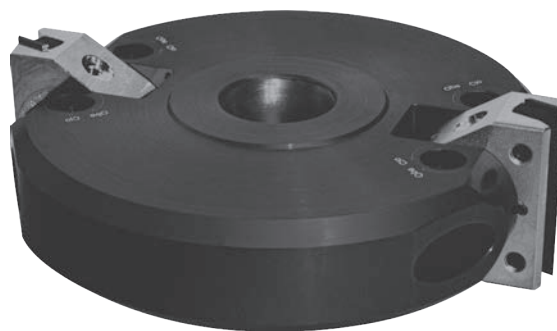
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT030				
			01	02	03	04	05
Coltello/Knife	30×12×1,5	CGZ211	6	6	6	8	8
Cuneo/Wedge	26×15×8	CU002	6	6	6	8	8
Ogiva/Nut	Ø13×9	OG001	6	6	6	8	8
Vite per Ogiva/Nut's Screw	M8×22	VT001	6	6	6	8	8
Chiave per Ogiva/Nut's Key	Esagonale 4	CH004	1	1	1	1	1

GT 040

TESTA A INCLINAZIONE REGOLABILE $\pm 90^\circ$

Cutterhead with adjustable inclination $\pm 90^\circ$
Schwenkmesserkopf mit Verstellbereich $\pm 90^\circ$
Cabezal orientable para biselar $\pm 90^\circ$



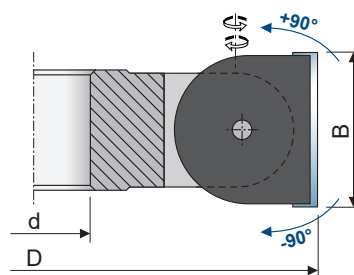
FRESE GT
GT CUTTERS

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

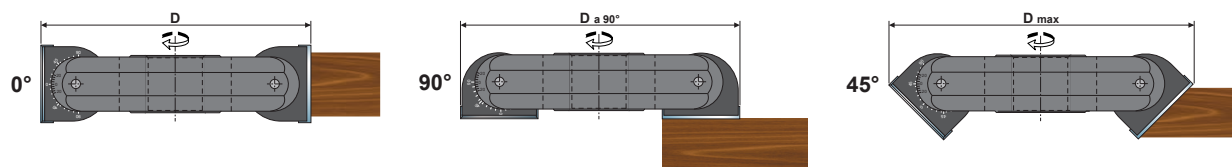
INCLINABILE DA $+90^\circ$ A -90°

Head inclination from $+90^\circ$ to -90°
Neigbar von $+90^\circ$ bis -90°
Orientable desde $+90^\circ$ hace -90°



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	D Max mm	D a 90° mm	d mm	Z
GT04005	ACCIAIO	160	50	184	170	30/35/40	2
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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT040			
			01/05	02	03	04
Coltello/Knife	50x12x1,5	CGZ215	2	2	/	/
Coltello/Knife	60x12x1,5	CGZ217	/	/	2	/
Coltello/Knife	80x13x2,2	CGZ219	/	/	/	2
Cuneo/Wedge	48x12x6	CU127	2	2	/	/
Cuneo/Wedge	58x12x6	CU128	/	/	2	/
Cuneo/Wedge	78x12x6	CU129	/	/	/	2
Vite per Cuneo/Wedge's Screw	M6x10	VT021	4	4	4	6
Chiave per Coltelli/Knife's Key	Esagonale 3	CH003	1	1	1	1

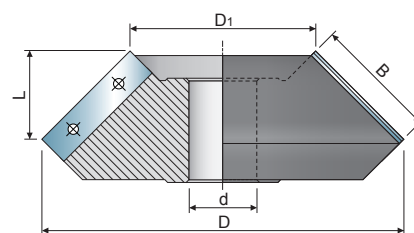
GT 050

TESTA PER SMUSSI A 45°

45° chamfering cutterhead

Fasemesserkopf 45°

Cabezal para biseles de 45°

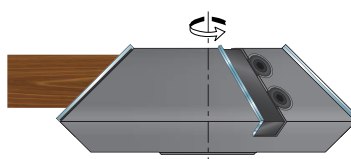
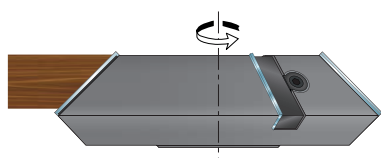


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	D1 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

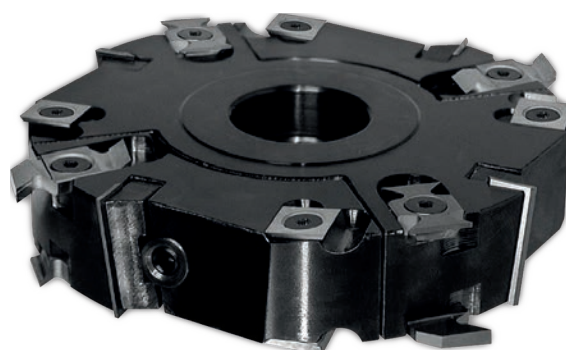
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT050	
			01	02
Coltello/Knife	30×12×1,5	CGZ211	3	/
Coltello/Knife	50×12×1,5	CGZ215	/	3
Cuneo/Wedge	28×15×8	CU094	3	/
Cuneo/Wedge	48×15×8	CU095	/	3
Ogiva/Nut	Ø13×9	OG001	3	6
Vite per Ogiva/Nut's Screw	M8×22	VT001	3	6
Chiave per Ogiva/Nut's Key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



GT 060

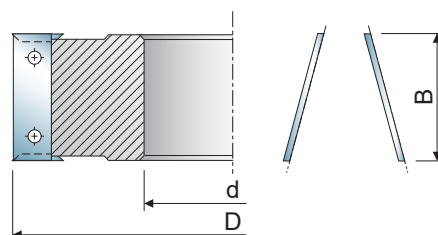
TESTA MULTIFUNZIONE REGOLABILE

Adjustable multifunction cutterhead
Verstellbarer Multifunktionsmesserkopf
Cabezal multifunción extensible



GLI INSERTI IPC E SPF DOVRANNO ESSERE ORDINATI SEPARATAMENTE

The IPC inserts and SPF inserts has to be ordered separately.
Die Inserten IPC und SPF sind separat zu bestellen.
Los insertos IPC y SPF se deben pedir aparte.



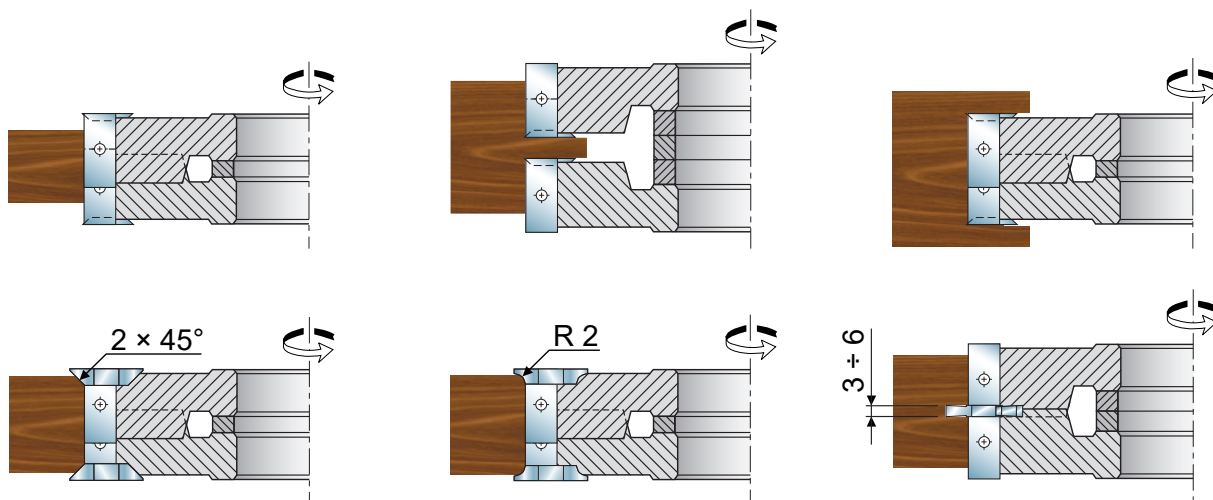
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	S	I
GT06001	ACCIAIO	140	20/39	35	4	4+4	2+2	2+2
GT06002	ACCIAIO	140	20/39	40	4	4+4	2+2	2+2
GT06003	ACCIAIO	140	30/59	35	4	4+4	2+2	2+2
GT06004	ACCIAIO	140	30/59	40	4	4+4	2+2	2+2

COMPONENTI OPZIONALI Optional Components

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT060			
			01	02	03	04
Inserto per canale/Grooving Insert	*	IPC03	4	4	4	4
Inserto/Insert	*	SPF01	4	4	4	4
Viti per Inserto/Insert's Screw	M5x10 Ø10	VT003	8	8	8	8
Chiave per Inserto/Insert's Key	Esagonale 3	CH003	1	1	1	1

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



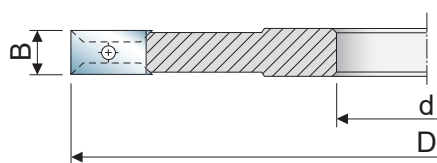
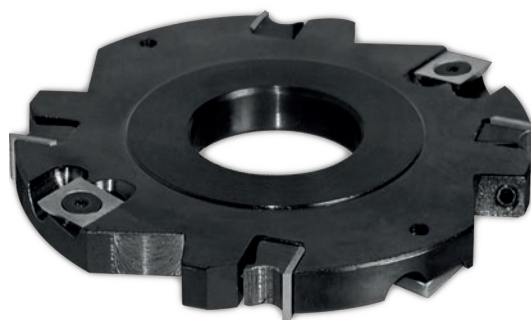
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT060			
			01	02	03	04
Coltello/Knife	20x12x1,5	CGZ207	4	4	/	/
Coltello/Knife	30x12x1,5	CGZ211	/	/	4	4
Rasante/Spur	14x14x2	RAS02	8	8	8	8
Cuneo/Wedge	16x15x8	CU001	4	4	/	/
Cuneo/Wedge	26x15x8	CU002	/	/	4	4
Ogiva/Nut	Ø13x9	OG001	4	4	4	4
Vite per Ogiva/Nut's Screw	M8x22	VT001	4	4	4	4
Vite per Rasante/Spur's Screw	M5x6,5 Ø9	VT064	8	8	8	8
Set Anelli/Set Rings	d35x25	SA017	1	/	/	/
Set Anelli/Set Rings	d40x25	SA017	/	1	/	/
Set Anelli/Set Rings	d35x35	SA018	/	/	1	/
Set Anelli/Set Rings	d40x35	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

GT 070

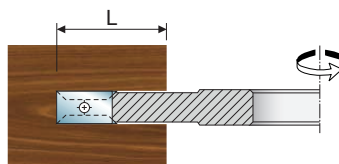
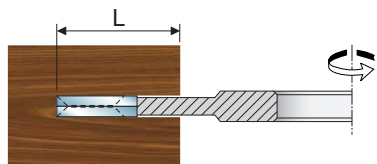
TESTA FISSA PER INCASTRI

Fix grooving cutterhead
Fest-Nutmesserkopf
Cabezal fijo para ranurar



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

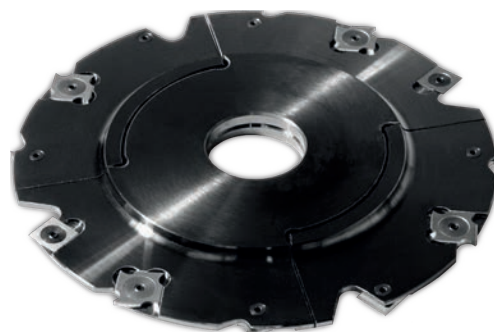
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT070			
			01/02	03/04	05/06	07/08
Coltello/Knife	18×18×1,95	IPCZ401	4	/	/	/
Coltello/Knife	18×18×2,95	IPCZ403	/	4	/	/
Coltello/Knife	7,5×12×1,5	CGZ201	/	/	4	/
Coltello/Knife	9,6×12×1,5	CGZ204	/	/	/	4
Rasante/Spur	14×14×2	RAS02	/	4	4	4
Rasante/Spur	14×14×1,2	RAS04	4	/	/	/
Cuneo/ Wedge	6×12×10	CU011	/	/	4	/
Cuneo/ Wedge	9×12×10	CU008	/	/	/	4
Vite per Coltello/Knife's Screw	M4×3 Ø6	VT007	8	/	/	/
Vite per Rasante/Spur's Screw	M5×4 Ø9	VT065	/	8	/	/
Vite per Rasante/Spur's Screw	M5×6,5 Ø9	VT064	/	/	4	4
Vite per Cuneo/Wedge's Screw	M5×16	VT010	/	/	4	/
Vite per Cuneo/Wedge's Screw	M6×16	VT006	/	/	/	4
Ghiera per Ras./Spur's Threaded rings	Ø9,9×M4	GH001	4	/	/	/
Ghiera per Colt./Knife's Threaded rings	Ø11,8×M4	GH002	4	/	/	/
Ghiera per Colt./Knife's Threaded rings	Ø11,8×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	/	/	/

GT 080

TESTA REGOLABILE PER INCASTRI CON ANELLI

Adjustable grooving cutterhead with rings
Verstellbarer Nutmesserkopf mit Ringen
Cabezal para ranurar extensible con anillos

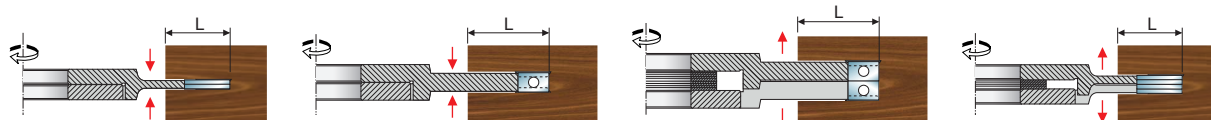
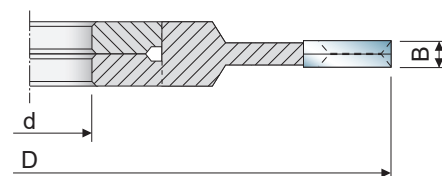


ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

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

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

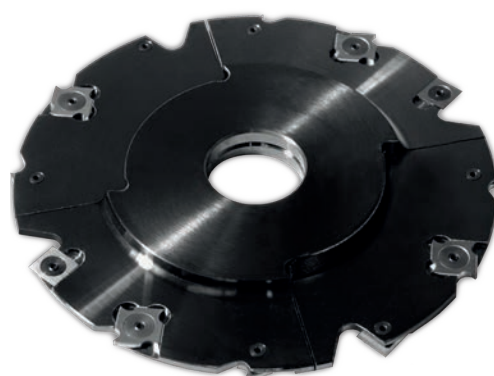
DISTINTA BASE/Bill of Materials

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

GT 085

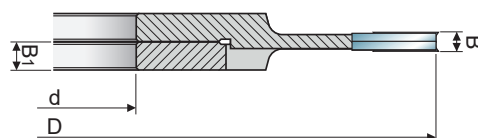
TESTA REGOLABILE PER INCASTRI CON ANELLI MODULABILE

Adjustable grooving cutterhead with rings - Adjustable
Verstellbarer Nutfräserkopf mit Ringen - Modulierbar
Cabezal para ranurar extensible con anillos - Modulable



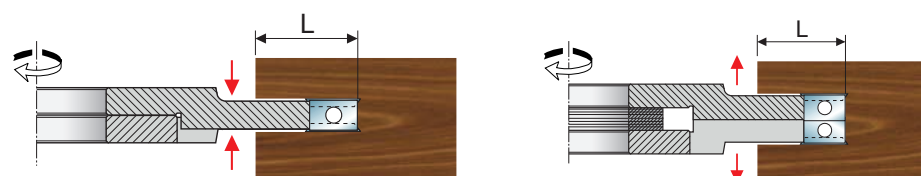
ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	B1 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	35/40/50	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	18×18×1,95	IPCZ401	8	/	/	/
Coltello/Knife	7,5×12×1,5	CGZ201	/	4	/	/
Coltello/Knife	15×12×1,5	CGZ205	/	/	4	/
Coltello/Knife	20×12×1,5	CGZ207	/	/	/	4
Rasante/Spur	14×14×2	RAS02	/	4	4	4
Rasante/Spur	14×14×1,2	RAS04	4	/	/	/
Cuneo/Wedge	6×12×10	CU011	/	4	/	/
Cuneo/Wedge	13×12×10	CU013	/	/	4	/
Cuneo/Wedge	16×15×8	CU001	/	/	/	4
Ogliva/Nut	Ø13×9	OG001	/	/	/	4
Vite per Coltello/Knife's Screw	M4×3 Ø6	VT007	12	/	/	/
Vite per Rasante/Spur's Screw	M5×6,5 Ø9	VT064	/	4	4	4
Vite per Cuneo/Wedge's Screw	M5×16	VT010	/	4	/	/
Vite per Cuneo/Wedge's Screw	M8×16	VT005	/	/	4	/
Viti per Oglive/Nut's Screw	M8×22	VT001	/	/	/	4
Ghiera per Ras./Spur's Threaded rings	Ø9,9×1,2 - M4	GH001	4	/	/	/
Ghiera per Colt./Knife's Threaded rings	Ø11,8×1,5 - M4	GH002	8	/	/	/
Set Anelli/Set Rings	d35/40/50×3,8	SA005	1	/	/	/
Set Anelli/Set Rings	d35/40/50×7,8	SA007	/	1	/	/
Set Anelli/Set Rings	d35/40/50×15,3	SA009	/	/	1	/
Set Anelli/Set Rings	d35/40/50×19,9	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 Oglive/Nut's Key	Esagonale 4	CH004	/	/	1	1
Chiave per Coltello/Knife's Key	Torx 9	TK009	1	/	/	/

GT 086

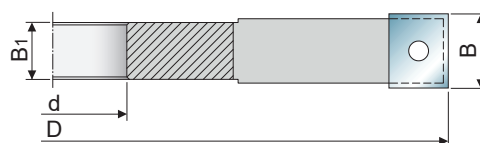
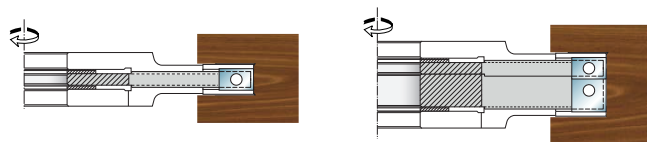
MODULO CENTRALE PER GT085

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



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	B1 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	7,5×12×1,5	CGZ201	2	/	/	/
Coltello/Knife	15×12×1,5	CGZ205	/	2	/	/
Coltello/Knife	20×12×1,5	CGZ207	/	/	2	/
Coltello/Knife	30×12×1,5	CGZ211	/	/	/	2
Cuneo/Wedge	6×12×10	CU011	2	/	/	/
Cuneo/Wedge	13×12×10	CU013	/	2	/	/
Cuneo/Wedge	16×15×8	CU001	/	/	2	/
Cuneo/Wedge	26×15×8	CU002	/	/	/	2
Ogiva/Nut	Ø13×9	OG001	/	/	2	2
Vite per Cuneo/Wedge's Screw	M5×16	VT010	2	/	/	/
Vite per Cuneo/Wedge's Screw	M8×16	VT005	/	2	/	/
Viti per Ogive/Nut's Screw	M8×22	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

GT 090

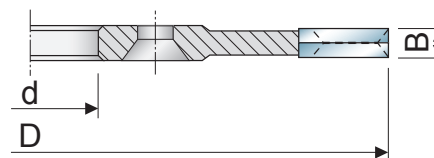
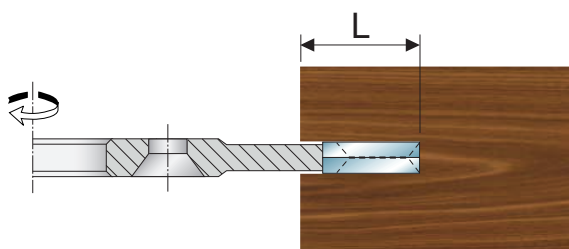
TESTA PER LAMELLO

Cutterhead for Lamello
Messerkopf für Lamello
Cabezal para Lamello

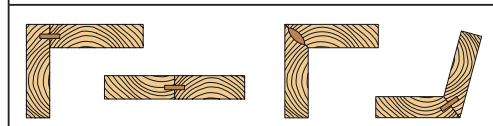


ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ESEMPI DI IMPIEGO



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	18x18x1,95	IPCZ401	4
Rasante/Spur	14x14x1,2	RAS04	4
Vite per Coltello/Knife's Screw	M4x3 Ø6	VT007	8
Ghiera per Ras./Spur's Threaded rings	Ø9,9xM4	GH001	4
Ghiera per Colt./Knife's Threaded rings	Ø11,8xM4	GH002	4
Chiave per Coltello/Knife's Key	Torx 9	TK009	1

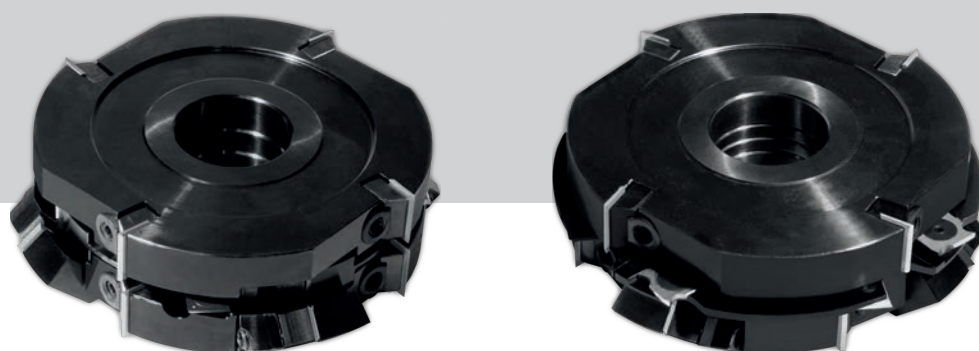
GT 100

GRUPPO PER PARQUETS E PERLINE

Tool's set for parquet and matchboards

Werkzeugsatz für Parketten 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

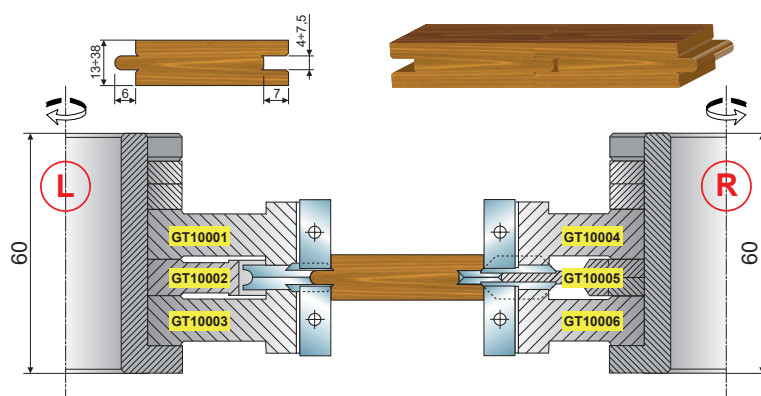
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT100							
			01/03/07/12	02/13	04/06	05	08/09/10/11	14/17	15	16/18
Coltello/Knife	18x18x1,95	IPCZ401	/	/	/	8	/	/	/	/
Coltello/Knife	12x12x1,5	CGZ203	/	/	/	/	4	4	/	4
Coltello/Knife	20x12x1,5	CGZ207	4	/	4	/	/	/	4	/
Rasante/Spur	14x14x2	RAS02	2	/	/	/	/	/	/	/
Rasante/Spur	14x14x1,2	RAS04	/	/	/	4	/	/	/	/
Rasante/Spur	22x19x2	RAS06	/	/	/	/	/	2	/	/
Inserto Smuss./Bevelling Insert	22x16x5 45°	SPF01	/	/	2	/	/	/	/	/
Inserto Ragg. Rounding Insert	22x16x5 R2	SPF03	/	4	/	/	/	/	/	/
Cuneo/Wedge	16x15x8	CU001	4	/	4	/	/	/	4	/
Cuneo/Wedge	10x12x10	CU009	/	/	/	/	/	4	/	4
Ogiva/Nut	Ø13x9	OG001	4	/	4	/	/	/	4	/
Vite per Cuneo/Wedge's Screw	M8x16	VT005	/	/	/	/	/	4	/	4
Vite per Ogiva/Nut's Screw	M8x22	VT001	4	/	/	/	/	/	4	/
Vite per Coltello/Knife's Screw	M4x8 Ø9	VT013	/	/	/	/	4	/	/	/
Vite per Rasante/Spur's Screw	M5x6,5 Ø9	VT064	2	/	/	/	/	2	/	/
Vite per Coltello/Knife's Screw	M4x3 Ø6	VT007	/	/	/	12	/	/	/	/
Viti per Inserto/Insert's Screw	M5x10 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	d50x3,8	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

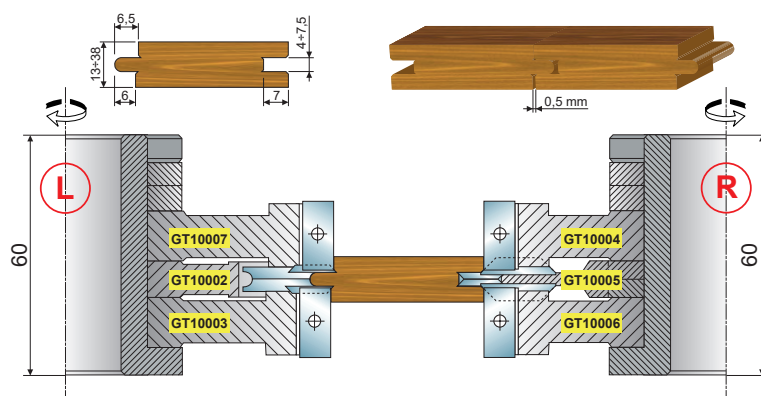
GRUPPO 1

CUTTERHEAD SET 1



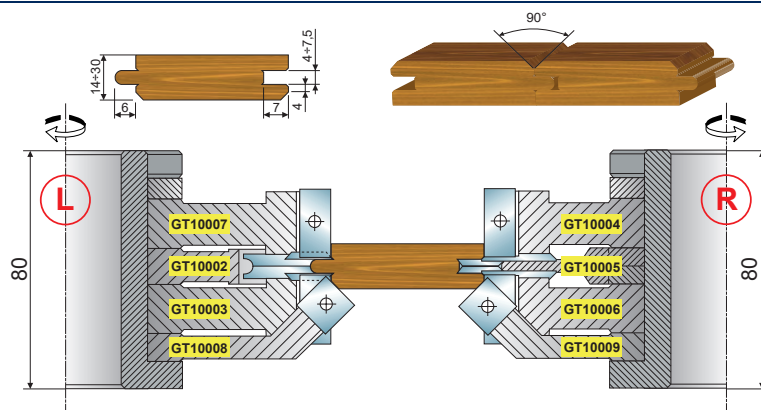
GRUPPO 2

CUTTERHEAD SET 2



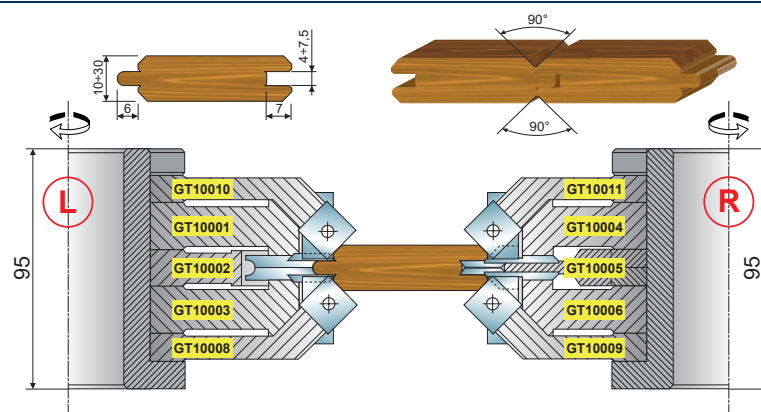
GRUPPO 3

CUTTERHEAD SET 3



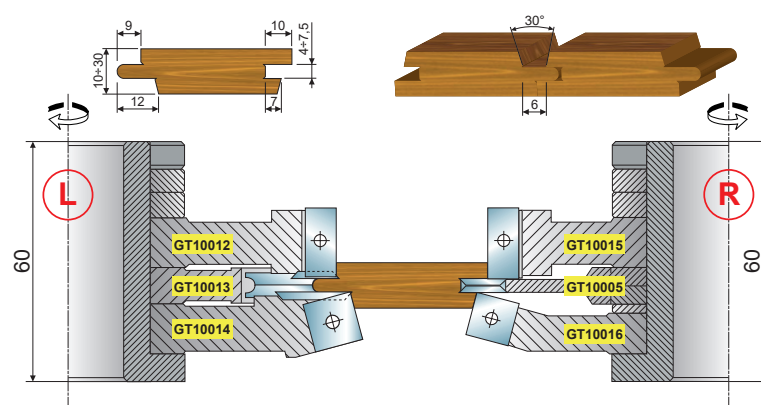
GRUPPO 4

CUTTERHEAD SET 4



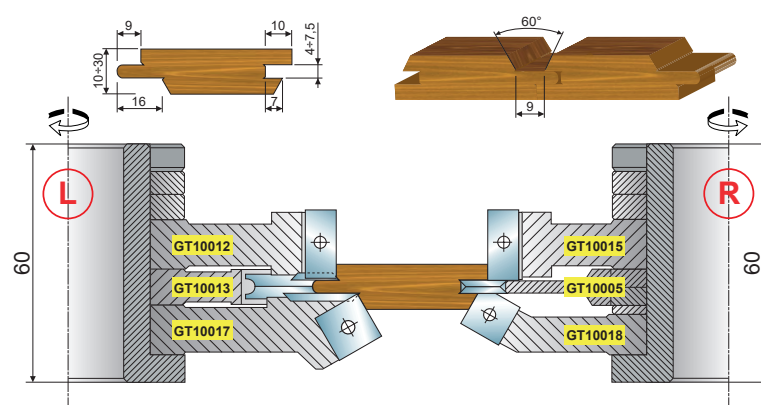
GRUPPO 5

CUTTERHEAD SET 5



GRUPPO 6

CUTTERHEAD SET 6



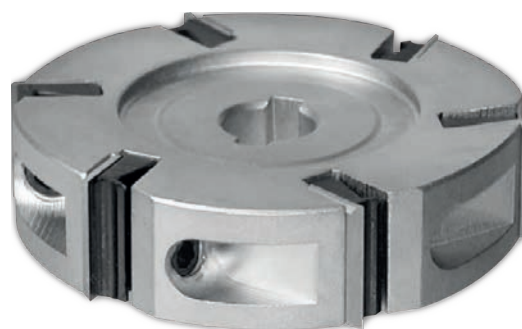
LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE

The sleeves and the spacer rings has to be ordered separately
Die Büchsen und die Zwischenringe sind separat zu bestellen
Los casquillos y los anillos distanciadores son a pedir a parte

GT 110

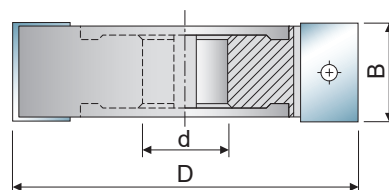
TESTA PER REFILARE E SMUSSARE

Cutterhead for trimming and chamfering
Messerkopf für beschneiden und kanten
Cabezal para ranurar y perfilar



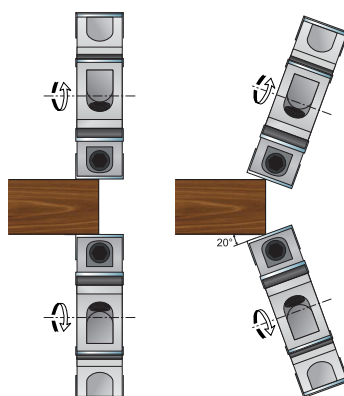
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	DKN mm	Z
GT11001	LEGA LEGG.	60	20	14	2 - 5x2,5	4
GT11002	LEGA LEGG.	70	20	16	2 - 5x2,5	6
GT11003	LEGA LEGG.	70	20	20	2 - 6x3	6
GT11004	LEGA LEGG.	80	20	16	2 - 5x2,5	6
GT11005	LEGA LEGG.	80	20	20	2 - 6x3	6

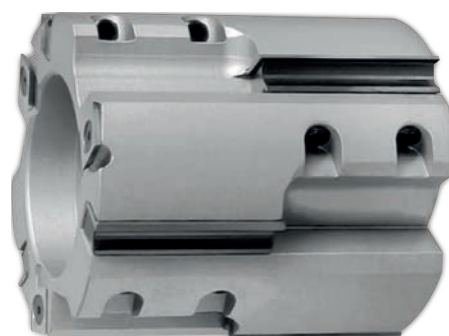
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05
Coltello/Knife	20x12x1,5	CGZ207	4	6	6	6	6
Cuneo/Wedge	18x12x5	CU027	4	6	6	6	6
Vite per Cuneo/Wedge's Screw	M8x10	VT015	4	6	6	6	6
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1	1

GT 120

TESTA PER TENONATRICE

Cutterhead for tenoning machine
Messerkopf für Zapfenschneidmaschine
Cabezal para máquina molduradora



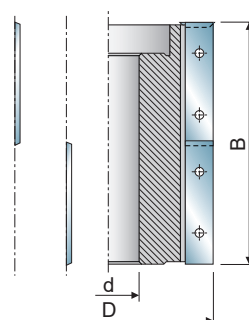
FRESE GT
GT CUTTERS

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

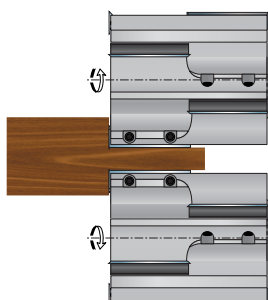
A RICHIESTA ANCHE CON CORPO IN ACCIAIO

On request also with steel body
Auf Anfrage auch mit Körper aus Stahl
A petición también con cuerpo en acero



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	DKN mm	Z	R	ROTAZ. ROTAT.
GT12001	LEGA LEGG.	85	98	25	2 - 5x2,5	6	3	R
GT12002	LEGA LEGG.	100	98	25	2 - 5x2,5	6	3	R
GT12003	LEGA LEGG.	125	145	30	2 - 6x3	9	3	R
GT12004	LEGA LEGG.	85	98	25	2 - 5x2,5	6	3	L
GT12005	LEGA LEGG.	100	98	25	2 - 5x2,5	6	3	L
GT12006	LEGA LEGG.	125	145	30	2 - 6x3	9	3	L

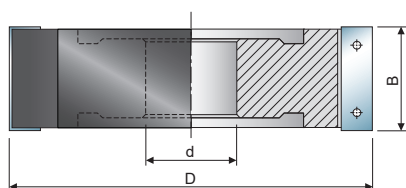
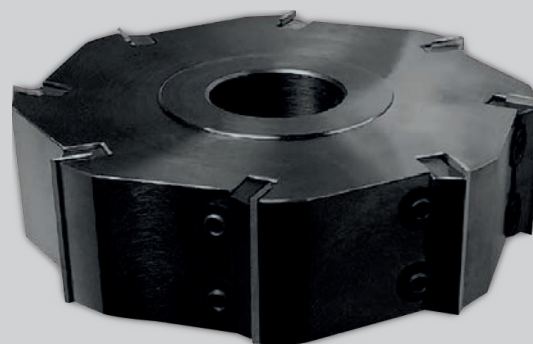
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE GT120					
			01	02	03	04	05	06
Coltello/Knife	50x12x1,5	CGZ215	6	6	9	6	6	9
Rasante/Spur	14x14x2	RAS02	3	3	3	3	3	3
Cuneo/Wedge	48x11x8	CU068	6	6	9	6	6	9
Vite per Cuneo/Wedge's Screw	M8x16	VT005	12	12	18	12	12	18
Vite per Rasante/Spur's Screw	M5x6,5 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

GT 130

TESTA SPECIALE PER COLTELLI REVERSIBILI

Special cutterhead for reversible knives
Sonder Messerkopf für Wendeschneidplatte
Cabezal especial con cuchillas reversibles

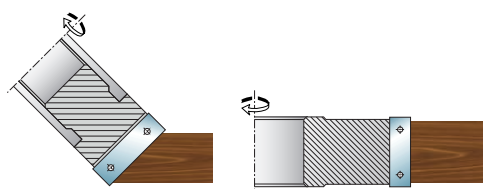


DIAMETRO DEL FORO A RICHIESTA

Bore's diameter on request
Bohrungsdurchmesser nach Anfrage
Diámetro de eje sobre pedido a pedir a parte

ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

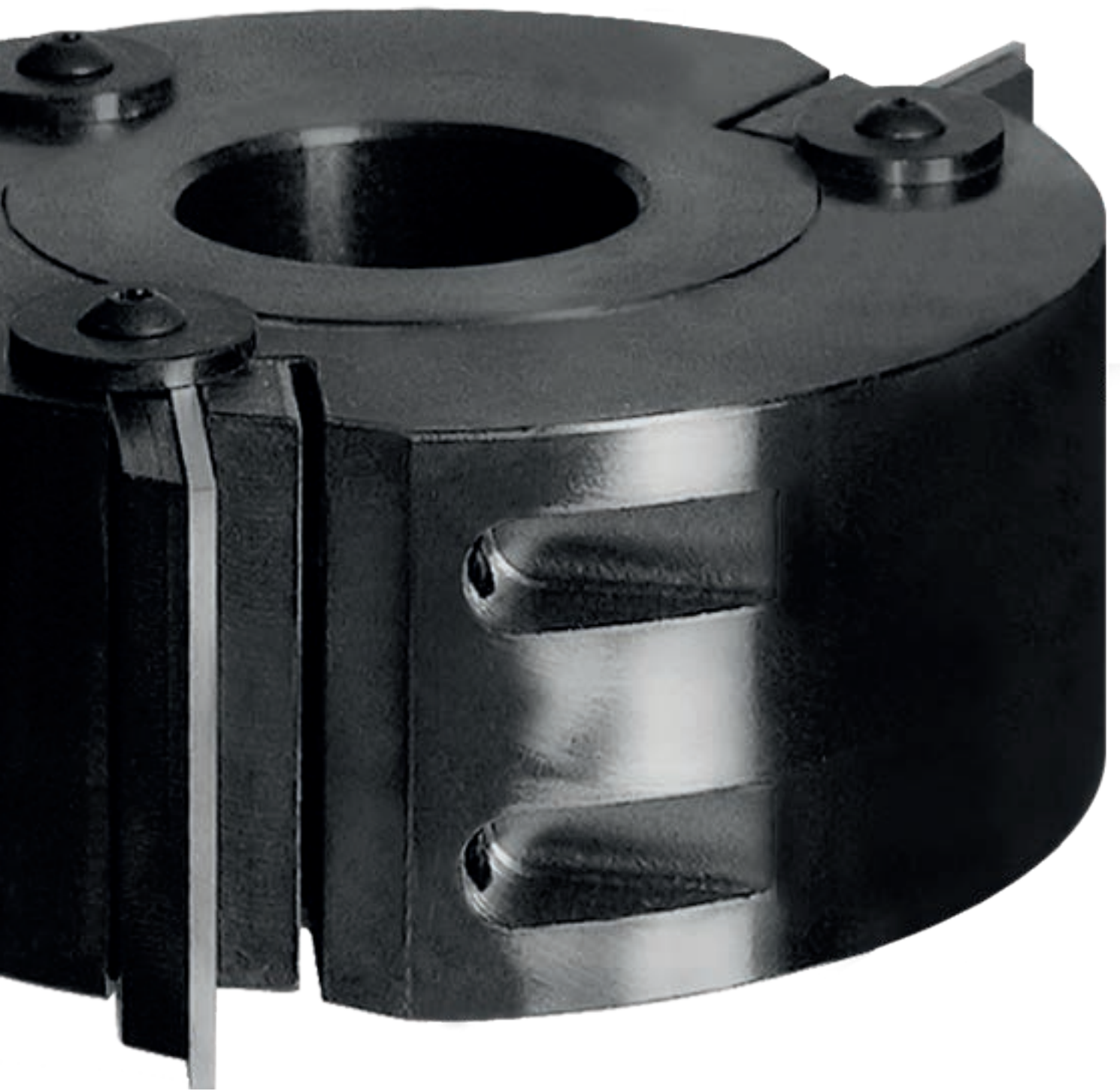


CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
GT13001	ACCIAIO	140	20	*	4
GT13002	ACCIAIO	160	20	*	4
GT13003	ACCIAIO	200	20	*	4
GT13004	ACCIAIO	250	20	*	4
GT13005	ACCIAIO	300	20	*	4
GT13006	ACCIAIO	140	30	*	4
GT13007	ACCIAIO	160	30	*	4
GT13008	ACCIAIO	200	30	*	4
GT13009	ACCIAIO	250	30	*	4
GT13010	ACCIAIO	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

DISTINTA BASE/Bill of Materials

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





FRESE AT

AT CUTTERS

AT FRÄSER

FRESAS AT

AT 010**TESTA PER REFILARE E RAGGIARE**

Cutterhead for trimming and rounding
Messerkopf für beschneiden und abrunden
Cabezal para desbarbar y redondear

100**AT 011****TESTA PER ARROTONDARE**

Cutterhead for rounding
Abrundmesserkopf
Cabezal para redondear

101**AT 020****TESTA PER MEZZOTONDO
RAGGIO PICCOLO**

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

102**AT 021****TESTA PER MEZZOTONDO
RAGGIO GRANDE**

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

103**AT 025****TESTA PER QUARTO DI TONDO**

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

104**AT 030****TESTA PER QUARTO DI TONDO
E MEZZO TONDO RAGGIO GRANDE**

Cutterhead for quarter and half-round - Big radius
Messerkopf für Viertelrunde und Halbrunde - Profile großer Radius
Cabezal para cuarto de redondos - Radio grande

105**AT 033****TESTA MULTIRAGGIO PER QUARTO
DI TONDO ACCOPPIABILE PER
MEZZITONDO**

Multi-radius cutterhead for quarter-round, coupling with half-round
Multiradius Messerkopf für Viertelrunde Profile - benutzbar für Halbkreis
Cabezal multiradios para cuarto de redondos, juntado para medio de redondos

106**AT 035****TESTA MULTIRAGGIO PER QUARTO
DI TONDO CONCAVO O CONVESSO**

Multi-radius cutterhead for quarter-round concave or convex
Multiradius Messerkopf für Viertelrunde Profile konkav oder konvex
Cabezal multiradios para cuarto de redondos cóncavo o convexo

107

AT 040**TESTA MULTIPROFILO PER STONDARE O SMUSSARE REGOLABILE**

Adjustable multi-profile cutterhead for rounding or chamfering
Messerkopf für Kanten und Abrunden
Cabezal multiperfil extensible para redondear o biselar

108**AT 042****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

110**AT 050****TESTA PER GIUNZIONI A 45°**

Cutterhead for 45° joints
Fügefräser 45°
Cabezal para juntas a 45°

111**AT 060****TESTA PER GIUNZIONI MULTIPROFILO**

Multi-profile cutterhead for joints
Multiprofilfügefräser
Cabezal para juntas multiperfiles

112**AT 061****TESTA REGISTRABILE PER GIUNZIONI DA 29 A 47 mm**

Adjustable cutterhead for joints from 29 to 47 mm
Verstellbarer Fügefräser vom 29 bis 47 mm
Cabezal para juntas extensible desde 29 hace 47 mm

114**AT 062****TESTA PER GIUNZIONI REGISTRABILE DA 13,5 A 55,5 mm**

Adjustable cutterhead for joints from 13,5 to 55,5 mm
Verstellbarer Fügefräser vom 13,5 bis 55,5 mm
Cabezal para juntas extensible desde 13,5 hace 55,5 mm

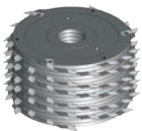
116**AT 063****TESTA PER GIUNZIONI**

Cutterhead for joints
Fügefräser
Cabezal para juntas

118**AT 065****GRUPPO PER STONDANTE**

Tools' set for tenoning machine
Werkzeugsatz für Zapfenschneidmaschine
Cabezal para espigadora

120

AT 066**TESTA PER GIUNZIONI MINIZINKEN MODULARE**

Modular cutterhead for Minizinken joints
Verstellbarer modular Minizinken Fügefräser
Cabezal para juntas Minizinken modular

122**AT 070****TESTA PER PORTA CON INSERTI IN DIAMANTE**

Head for doors with diamond inserts
Messerkopf für Türen mit Diamant Inserten
Cabezal para puerta con insertos de diamante

126**AT 071****TESTA PER PORTA DRITTA CON INSERTI IN DIAMANTE**

Straight cutterhead for door with diamond inserts
Gerader Messerkopf für Türen mit Diamant Inserten
Cabezal recto para puerta con insertos de diamante

128**AT 072****TESTA PER ESECUZIONE TELAIO PORTA**

Cutterhead for door frame
Messerkopf für Türrahmen
Cabezal para realizar marco de puerta

130**AT 073****GRUPPO PER PORTA SCORREVOLE**

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

132**AT 075****TESTA PER CREMONESE**

Cutterhead for Cremonese
Messerkopf für Cremonesi
Cabezal para Cremonesi

133**AT 080****GRUPPO PER PROFILO E CONTROPROFILO SENZA RECUPERO LISTELLO**

Tools' set for profile and counterprofile without bead recovering
Profil - und Gegenprofilsatz ohne Leiste Realisierung
Juego para perfil y contraperfil sin recuperación listón

134**AT 081****GRUPPO PER PROFILO E CONTROPROFILO CON RECUPERO LISTELLO SP= 46 mm**

Tools' set for profile and counterprofile with bead recovering - TK=46 mm
Profil - und Gegenprofilsatz mit Leiste Realisierung- SP=46 mm
Juego para perfil y contraperfil con recuperación listón - ESP=46 mm

136

AT 082**GRUPPO PER PROFILO E CONTROPROFILO CON RECUPERO LISTELLO SP=54/59/64 mm**

Tools' set for profile and counterprofile with bead recovering - TK=54/59/64 mm
 Profil - und Gegenprofilsatz mit Leiste Realisierung SP=54/59/64 mm
 Juego para perfil y contraperfil con recuperación listón ESP=54/59/64 mm

138**AT 083****TESTA PER IL RECUPERO DEL LISTELLO**

Cutterhead for bead recovering
 Messerkopf für Leiste Realisierung
 Cabezal para recuperación listón

140**AT 084****GRUPPO PER PROFILO CONTROPROFILO E PIATTABANDA**

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

142**AT 085****GRUPPO MULTIPROFILO PER ANTINE**

Multi-profile tools' set for cabinet
 Multiprofil Werkzeugsatz für Türen
 Juego multiperfil para puertas

144**AT 086****PIATTABANDA MULTIPROFILO Z2**

Multi-profile platband Z2
 Multiprofil Abplattfräser Z2
 Platabanda multiperfil Z2

146**AT 087****PIATTABANDA MULTIPROFILO Z3**

Multi-profile platband Z3
 Multiprofil Abplattfräser Z3
 Platabanda multiperfil Z3

147**AT 088****PIATTABANDA MULTIPROFILO Z2+2**

Multi-profile platband Z2+2
 Multiprofil Abplattfräser Z2+2
 Platabanda multiperfil Z2+2

148**AT 101****TESTA MULTIPROFILO PER CORNICI**

Multi-profile cutterhead for frames
 Multiprofilfräser für Rahmen
 Cabezal multiperfil para marcos

150

AT 102



TESTA MULTIPROFILO PER CORNICI

Multi-profile cutterhead for frames
Multiprofilfräser für Rahmen
Cabezal multiperfil para marcos

152

AT 110



TESTA PORTACOLTELLI SPECIALE PER COLTELLI AFFILABILI, PP DA 0 A 20 mm

Special cutterhead with profiled knives, PP from 0 to 20 mm
Sonder profilierter Messerkopf, PP vom 0 bis 10 mm
Cabezal especial perfilado, PP de 0 a 20 mm

154

AT 115



TESTA PORTACOLTELLI SPECIALE PER COLTELLI AFFILABILI, PP DA 0 A 20 mm

Special cutterhead with profiled knives, PP from 0 to 20 mm
Sonder profilierter Messerkopf, PP vom 0 bis 10 mm
Cabezal especial perfilado, PP de 0 a 20 mm

154

AT 120



TESTA PORTACOLTELLI SPECIALE PER COLTELLI AFFILABILI, PP DA 0 A 20 mm

Special cutterhead with profiled knives, PP from 0 to 20 mm
Sonder profilierter Messerkopf, PP vom 0 bis 10 mm
Cabezal especial perfilado, PP de 0 a 20 mm

154

AT 130



TESTA MULTIPROFILO CON AREA PROFILABILE DI 30×10 mm

Multi-profile cutterhead - With 30x10 mm area to be profiled
Multiprofilfräser mit Fläche zum profilieren vom 30x10 mm
Cabezal multiperfil con area a perfilar de 30x10 mm

156

AT 140



TESTA MULTIPROFILO CON AREA PROFILABILE DI 35×16 O 40×21 mm

Multi-profile cutterhead - With 35x16 or 40x21 mm area to be profiled
Multiprofilfräser mit Fläche zum profilieren vom 35x16 oder 40x21 mm
Cabezal multiperfil con area a perfilar de 35x16 o 40x21 mm

157

AT 010

TESTA PER REFILARE E RAGGIARE

Cutterhead for trimming and rounding
Messerkopf für beschneiden und abrunden
Cabezal para desbarbar y redondear

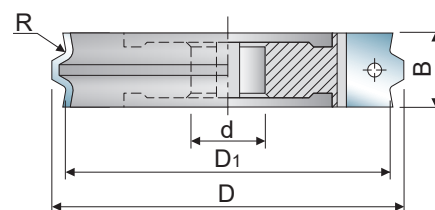


DIMENSIONE DEL RAGGIO A RICHIESTA

Radius dimension on request
Radiusabmessung auf Anfragen
Dimensión de el radio sobre pedido

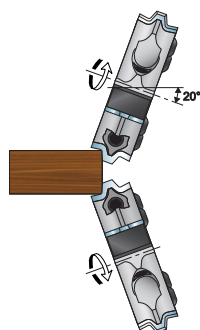
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	D1 mm	B mm	d mm	DKN mm	Z
AT01001	LEGA LEGG.	69	61	16	16	2 5x2,5	4
AT01002	LEGA LEGG.	78,2	70	16	16	2 5x2,5	4
AT01003	LEGA LEGG.	75	70	20	16	2 5x2,5	6

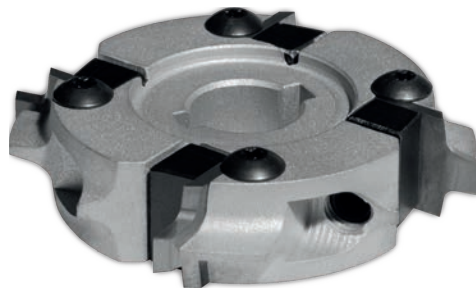
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT010		
			01	02	03
Coltello/Knife	16x17,5x2 R*	CRRA01	4	/	/
Coltello/Knife	16x15x2 R*	CRRA02	/	4	/
Coltello/Knife	20x16x2 R*	CRRA03	/	/	6
Cuneo/Wedge	15x10x8	CU071	4	4	6
Vite per Cuneo/Wedge's Screw	M8x10	VT015	4	4	6
Vite di Riferimento/Positioning Screw	M3,5x6,2 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

AT 011

TESTA PER ARROTONDARE

Cutterhead for rounding
Abrundmesserkopf
Cabezal para redondear

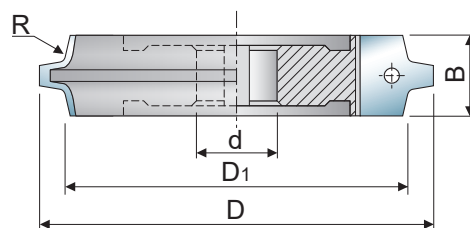


DIMENSIONE DEL RAGGIO A RICHIESTA

Radius dimension on request
Radiusabmessung auf Anfrage
Dimensión de el radio sobre pedido

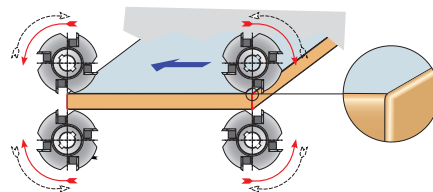
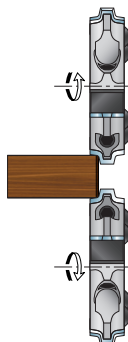
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	D1 mm	B mm	d mm	DKN mm	Z
AT01101	LEGA LEGG.	68	60	16	16	2 5x2,5	4
AT01102	LEGA LEGG.	73	61	16	16	2 5x2,5	4
AT01103	LEGA LEGG.	82	70	16	20	2 6x3	4

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT011		
			01	02	03
Coltello/Knife	16x14,9x2 R*	CRRA04	4	/	/
Coltello/Knife	16x18,9x2 R*	CRRA05	/	4	/
Coltello/Knife	16x19,9x2 R*	CRRA06	/	/	4
Cuneo/Wedge	15x10x8	CU071	4	4	4
Vite per Cuneo/Wedge's Screw	M8x10	VT015	4	4	4
Vite di Riferimento/Positioning Screw	M3,5x6,2 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

AT 020

TESTA PER MEZZOTONDO RAGGIO PICCOLO

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



COLTELLI CON RAGGI INTERMEDI A RICHIESTA

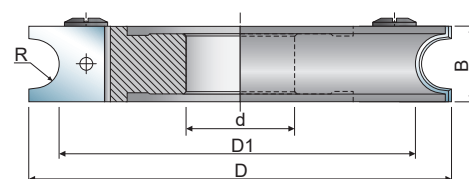
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

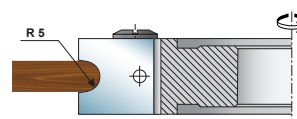
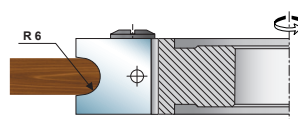
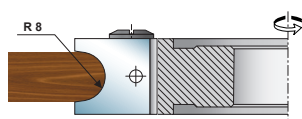
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 5 - 6 - 8

Knives' set with 5-6-8 radius included
Messerset mit Radius 5-6-8 inklusive
Set de cuchillas con radio 5-6-8 incluidos



ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D/D1 mm	B mm	d mm	Z	RAGGIO
AT02001	LEGA LEGG.	140/120	25	35/40	3	5
AT02002	LEGA LEGG.	140/120	25	35/40	3	6
AT02003	LEGA LEGG.	140/120	25	35/40	3	8
AT02004	LEGA LEGG.	140/120	25	35/40	3	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04
Coltello/Knife	25x25x2 R5	CSAT010	3	/	/	3
Coltello/Knife	25x25x2 R6	CSAT011	/	3	/	3
Coltello/Knife	25x25x2 R8	CSAT012	/	/	3	3
Cuneo/Wedge	24x29x8	CU003	3	3	3	3
Vite per Cuneo/Wedge's Screw	M8x16	VT005	3	3	3	3
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	3	3	3	3
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1
Valigetta/Handbag	310x280x115	VAL01	/	/	/	1

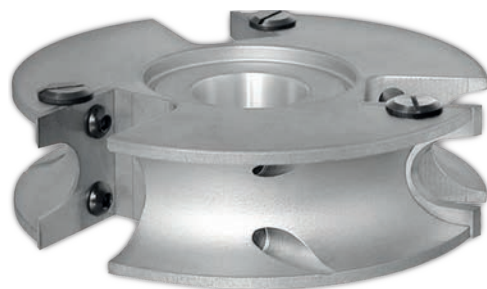
AT 021

TESTA PER MEZZOTONDO RAGGIO GRANDE

Head for half a round - Big radius

Halbkreisfräser - Großer Radius

Cabezal para medio de redondos - Radio grande



COLTELLI CON RAGGI INTERMEDI A RICHIESTA

Knives with intermediate radius on request

Messer mit Zwischenradius auf Anfrage

Cuchillas con radios intermedio a petición

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

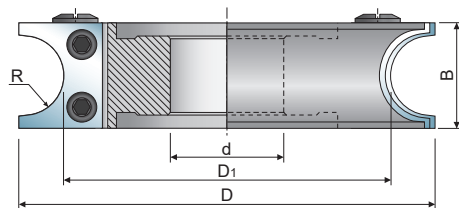
Cuerpo en aleación ligera, no utilizar sosa cáustica

* 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

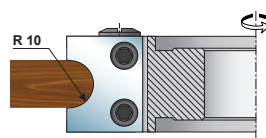
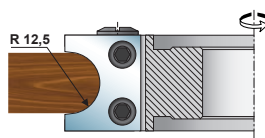
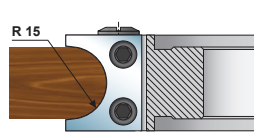


ESEMPLI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D/D1 mm	B mm	d mm	Z	RAGGIO
AT02101	LEGA LEGG.	150/116	40	35/40	3	10
AT02102	LEGA LEGG.	150/116	40	35/40	3	12,5
AT02103	LEGA LEGG.	150/116	40	35/40	3	15
AT02104	LEGA LEGG.	150/116	40	35/40	3	*

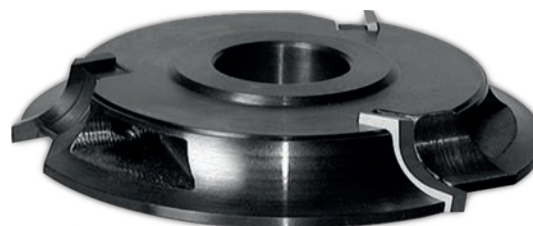
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04
Coltello/Knife	40x35x3 R10	CSAT007	3	/	/	3
Coltello/Knife	40x35x3 R12,5	CSAT008	/	3	/	3
Coltello/Knife	40x35x3 R15	CSAT009	/	/	3	3
Vite per Coltello/Knife's Screw	M6x13 Ø10,3	VT018	6	6	6	6
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	3	3	3	3
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1
Valigetta/Handbag	310x280x115	VAL01	/	/	/	1

AT 025

TESTA PER QUARTO DI TONDO

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

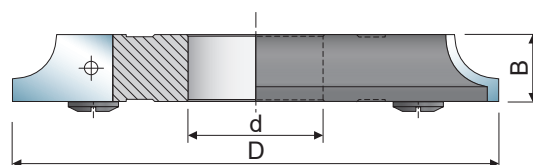


COLTELLI CON RAGGI INTERMEDI A RICHIESTA

Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

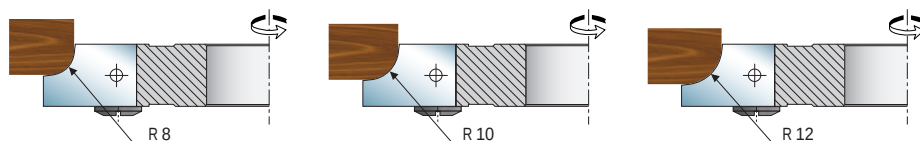
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 8 - 10 - 12

Knives' set with 8-10-12 radius included
Messersset mit Radius 8-10-12 inklusive
Set de cuchillas con radio 8-10-12 incluidos



ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	RAGGIO
AT02501	ACCIAIO	140	20	35/40	3	8
AT02502	ACCIAIO	140	20	35/40	3	10
AT02503	ACCIAIO	140	20	35/40	3	12
AT02504	ACCIAIO	140	20	35/40	3	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT025			
			01	02	03	04
Coltello/Knife	20×30×3 R8	CSAT013	3	/	/	3
Coltello/Knife	20×30×3 R10	CSAT014	/	3	/	3
Coltello/Knife	20×30×3 R12	CSAT015	/	/	3	3
Cuneo/Wedge	19×20×8	CU018	3	3	3	3
Vite per Cuneo/Wedge's Screw	M8×16	VT005	3	3	3	3
Vite di riferimento/Positioning Screw	M5×7 Ø16	VT012	3	3	3	3
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1
Valigetta/Handbag	310×280×115	VAL01	/	/	/	1

AT 030

TESTA PER QUARTO DI TONDO E MEZZO TONDO RAGGIO GRANDE

Cutterhead for quarter and half-round - Big radius
Messerkopf für Viertelrunde und Halbrunde
Profil großer Radius
Cabezal para cuarto de redondos - Radio grande



COLTELLI CON RAGGI INTERMEDI A RICHIESTA

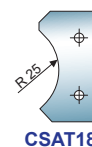
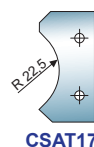
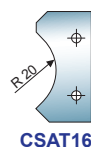
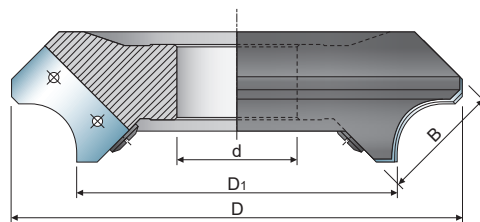
Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

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

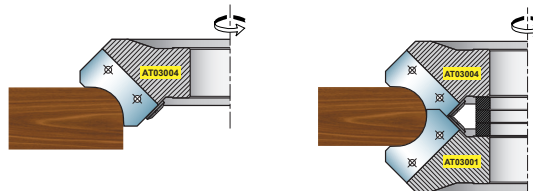
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 20 - 22,5 - 25

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



ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D/D1 mm	B mm	d mm	Z	ROT. AZ. ROTAT.	RAGGIO
AT03001	AT03004	ACCIAIO	190/135	50	35/40/50	3	R/L	20
AT03002	AT03005	ACCIAIO	190/135	50	35/40/50	3	R/L	22,5
AT03003	AT03006	ACCIAIO	190/135	50	35/40/50	3	R/L	25
AT03007	AT03008	ACCIAIO	190/135	50	35/40/50	3	R/L	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT030			
			01/04	02/05	03/06	07/08
Coltello/Knife	50x25x2 R20	CSAT016	3	/	/	3
Coltello/Knife	50x25x2 R22,5	CSAT017	/	3	/	3
Coltello/Knife	50x25x2 R25	CSAT018	/	/	3	3
Cuneo/Wedge	48x13x8	CU015	3	3	3	3
Vite per Cuneo/Wedge's Screw	M8x16	VT005	6	6	6	6
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	3	3	3	6
Set Anelli/Set Rings	d35/40/50x32	SA003	/	/	/	1
Chiave per Coltelli/Knife's Key	Esagonale 4	CH004	1	1	1	1
Valigetta/Handbag	310x280x115	VAL01	/	/	/	1

AT 033

TESTA MULTIRAGGIO PER QUARTO DI TONDO ACCOPPIABILE PER MEZZITONDO

Multi-radius cutterhead for quarter-round, coupling with half-round

Multiradius Messerkopf für Viertelrunde Profile - benutzbar für Halbkreis

Cabezal multiradios para cuarto de redondos, juntado para medio de redondos



* KIT COMPLETO

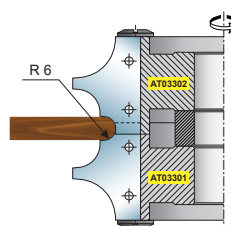
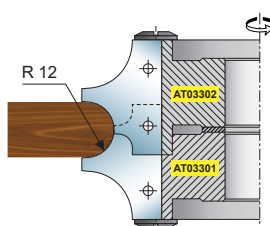
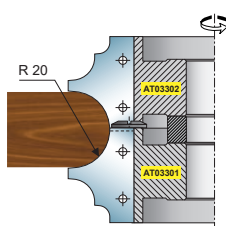
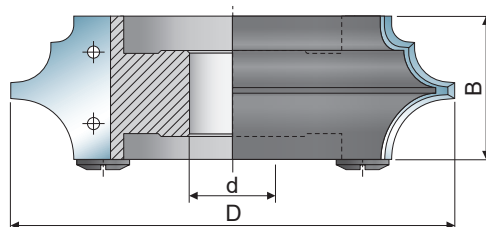
Complete set

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	ROTAZ. ROTAT.	RAGGIO
AT03301	ACCIAIO	160	50	35	3	R	6/12/20
AT03302	ACCIAIO	160	50	35	3	L	6/12/20
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	50x40x2 DX	CSAT019	3	/	3
Coltello/Knife	50x40x2 SX	CSAT020	/	3	3
Cuneo/Wedge	49x21x8 DX	CU034	3	/	3
Cuneo/Wedge	49x21x8 SX	CU035	/	3	3
Vite per Cuneo/Wedge's Screw	M8x16	VT005	6	6	12
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	3	3	6
Set Anelli/Set Rings	d35x17	SA013	/	/	1
Chiave per Coltello/Knife's Key	Esagonale 4	CH004	1	1	1

AT 035

TESTA MULTIRAGGIO PER QUARTO DI TONDO CONCAVO O CONVESSO

Multi-radius cutterhead for quarter-round
concave or convex

Multiradius Messerkopf für Viertelrunde Profile
konkav oder konvex

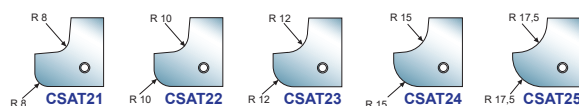
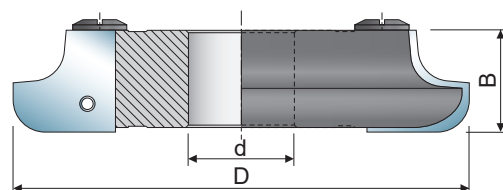
Cabezal multiradios para cuarto de redondos
cóncavo o convexo

COLTELLI CON RAGGI INTERMEDI A RICHIESTA

Knives with intermediate radius on request
Messer mit Zwischenradius auf Anfrage
Cuchillas con radios intermedio a petición

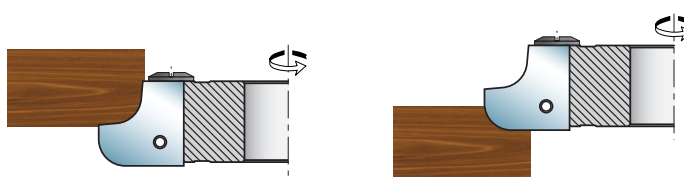
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 8-10-12-15-17,5

Knives' set with 8-10-12-15-17,5 radius included
Messerset mit Radius 8-10-12-15-17,5 inklusive
Set de cuchillas con radio 8-10-12-15-17,5 incluidos



ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	RAGGI
AT03501	ACCIAIO	160	40	35	2	8
AT03502	ACCIAIO	160	40	35	2	10
AT03503	ACCIAIO	160	40	35	2	12
AT03504	ACCIAIO	160	40	35	2	15
AT03505	ACCIAIO	160	40	35	2	17,5
AT03506	ACCIAIO	160	40	35	2	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06
Coltello P1/Knife P1	40x40x3	CSAT021	2	/	/	/	/	2
Coltello P2/Knife P2	40x40x3	CSAT022	/	2	/	/	/	2
Coltello P3/Knife P3	40x40x3	CSAT023	/	/	2	/	/	2
Coltello P4/Knife P4	40x40x3	CSAT024	/	/	/	2	/	2
Coltello P5/Knife P5	40x40x3	CSAT025	/	/	/	/	2	2
Cuneo/Wedge	36x20x8	CU126	2	2	2	2	2	2
Vite per Cuneo/Wedge's Screw	M8x16	VT005	4	4	4	4	4	4
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	4	4	4	4	4	4
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1	1	1
Valigetta/Handbag	310x280x115	VAL01	/	/	/	/	/	1

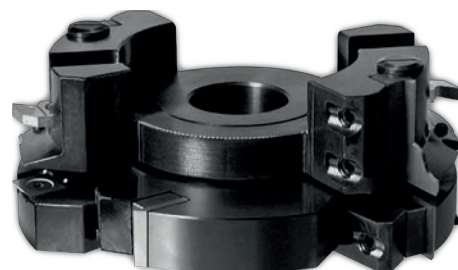
AT 040

TESTA MULTIPROFILO PER STONDARE O SMUSSARE REGOLABILE

Adjustable multi-profile cutterhead for rounding
or chamfering

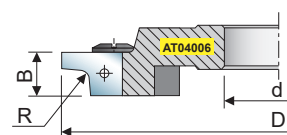
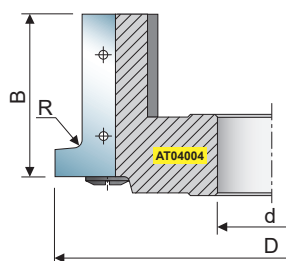
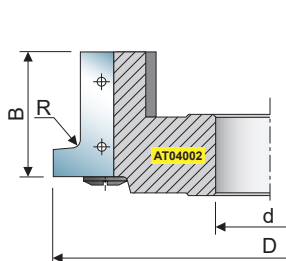
Messerkopf für Kanten und Abrunden

Cabezal multiperfil extensible para redondear o biselar



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.



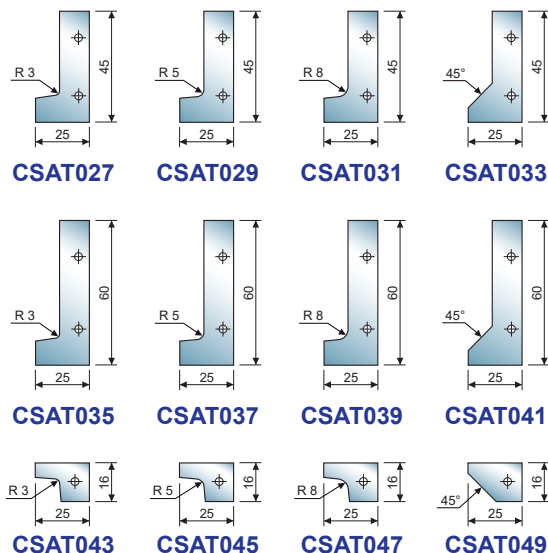
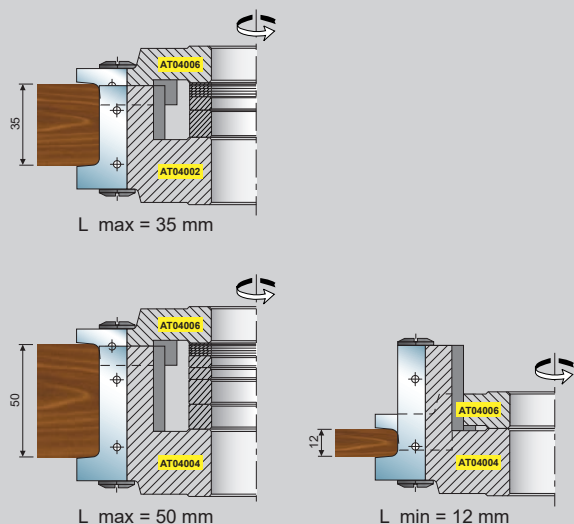
CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
AT04001	AT04002	ACCIAIO	160	45	40	4
AT04003	AT04004	ACCIAIO	160	60	40	4
AT04005	AT04006	ACCIAIO	160	16	40	4

DISTINTA BASE/Bill of Materials

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

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



COLTELLI STANDARD/Standard Knives

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

AT 042

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

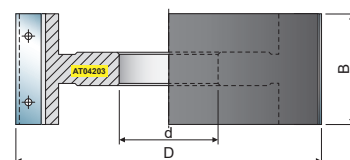
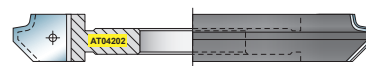
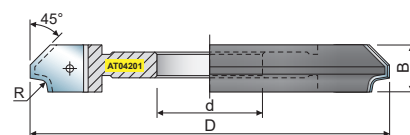
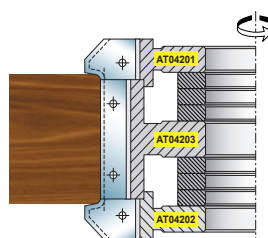
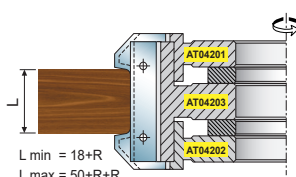
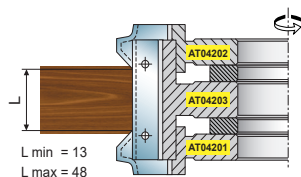
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

COLTELLI CON RAGGI A RICHIESTA TRA: R = 2 - 3 - 4 - 5 - 6

Knives with radius on request between: R = 2 - 3 - 4 - 5 - 6
Messer mit Radius auf Anfrage zwischen: R = 2 - 3 - 4 - 5 - 6
Cuchillas con radios a petición entre: R = 2 - 3 - 4 - 5 - 6

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT042		
			01	02	03
Coltello/Knife	20x25x2 DX	CSAT050	2	/	/
Coltello/Knife	20x25x2 SX	CSAT051	/	2	/
Coltello/Knife	50x12x1,5	CGZ215	/	/	2
Cuneo/Wedge	20x13,5x8	CU097	2	2	/
Cuneo/Wedge	48x12x8	CU098	/	/	3
Vite per Cuneo/Wedge's Screw	M8x16	VT005	2	2	4
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	2	2	2
Set Anelli/Set Rings	d35/40/50x38	SA010		*	
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1

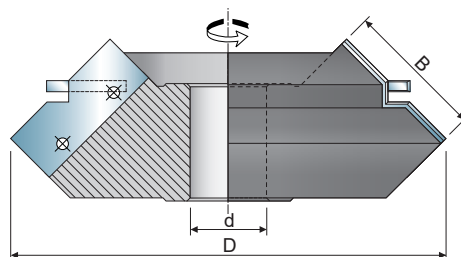
AT 050

TESTA PER GIUNZIONI A 45°

Cutterhead for 45° joints

Fügefräser 45°

Cabezal para juntas a 45°

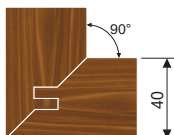
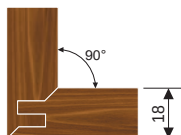


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



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	30×40×2	CSAT052	3	/
Coltello/Knife	60×25×2	CSAT053	/	3
Inseriti/Insert	34×16×5	IPC03	3	3
Cuneo/Wedge	28×15×8	CU014	3	/
Cuneo/Wedge	58×15×8	CU017	/	3
Vite per Cuneo/Wedge's Screw	M8×16	VT005	6	6
Vite per Inseriti/Insert's Screw	M5×10 Ø10	VT003	3	3
Vite di Riferimento/Positioning Screw	M5×7 Ø16	VT012	3	3
Chiave per Inseriti/Insert's Key	Esagonale 3	CH003	1	1
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1

AT 060

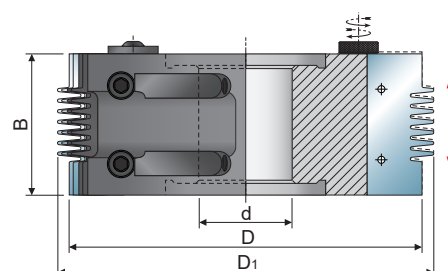
TESTA PER GIUNZIONI MULTIPROFILO

Multi-profile cutterhead for joints
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.



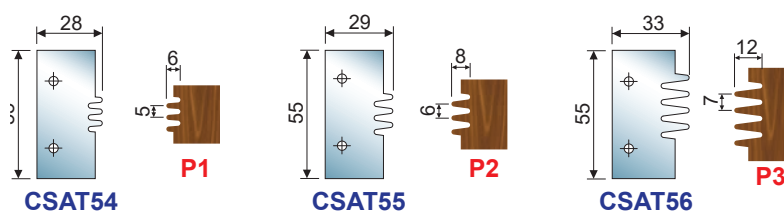
CODICE CODE	MATERIALE MATERIAL	D mm	D1 mm	B mm	d mm	Z
AT06001	ACCIAIO	128	134	55	35/40/50	4
AT06002	ACCIAIO	128	136	55	35/40/50	4
AT06003	ACCIAIO	132	132	55	35/40/50	4

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT060		
			01	02	03
Cuneo/Wedge	50×20×8	CU025	4	4	4
Vite per Cuneo/Wedge's Screw	M8×16	VT005	8	8	8
Vite di Regolazione/Adjustment Screw	M5×8 Ø20	VT044	2	2	2
Vite di Bloccaggio/Block Screw	M5×5	VT039	2	2	2
Cilindo in Ottone/Brass Cylinder	Ø 4×4	VT043	2	2	2
Vite di Riferimento/Positioning Screw	M5×7 Ø16	VT012	2	2	2
Vite per Rondella/Lock washer's Screw	M4×8,3 Ø9	VT013	2	2	2
Rondella di fermo/Lock washer	Ø 20/4,5×3	VT050	2	2	2
Vite per Supporto/Support Plate's Screw	M6×13 Ø10,3	VT018	8	8	2
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

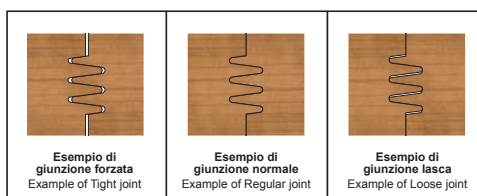
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ESEMPI DI REGOLAZIONE

Adjustment Examples

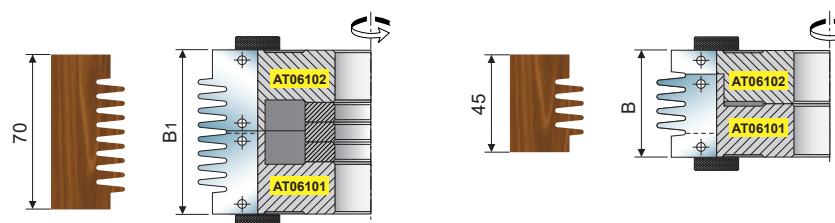


COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT060		
			01	02	03
Coltello P1/Knife P1	55×28×3	CSAT054	4	/	/
Coltello P2/Knife P2	55×29×3	CSAT055	/	4	/
Coltello P3/Knife P3	55×33×3	CSAT056	/	/	4
Supporto P1/Support Plate P1	54×26×5	SU010	4	/	/
Supporto P2/Support Plate P2	54×27×5	SU011	/	4	/
Supporto P3/Support Plate P3	54×31×5	SU012	/	/	4

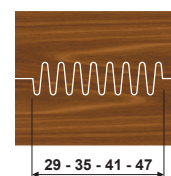
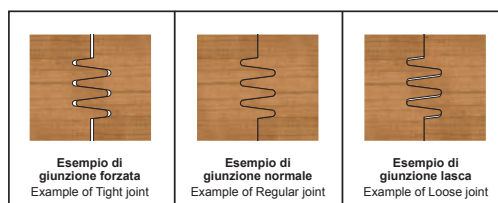
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ESEMPI DI REGOLAZIONE

Adjustment Examples



AT 062

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

Adjustable cutterhead for joints from 13,5 to 55,5 mm
Verstellbarer Fügefräser vom 13,5 bis 55,5 mm
Cabezal para juntas extensible desde 13,5 hasta 55,5 mm

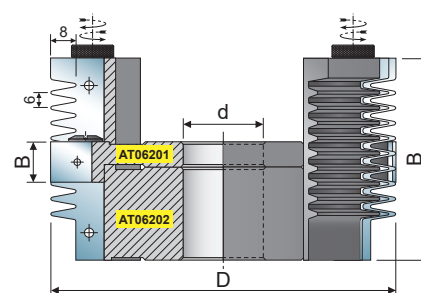


ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

I COLTELLI SONO INCLUSI NEL PREZZO

The knives are included in the price
Die Messer sind im Preis inbegriffen
Cuchillos incluidos en el precio



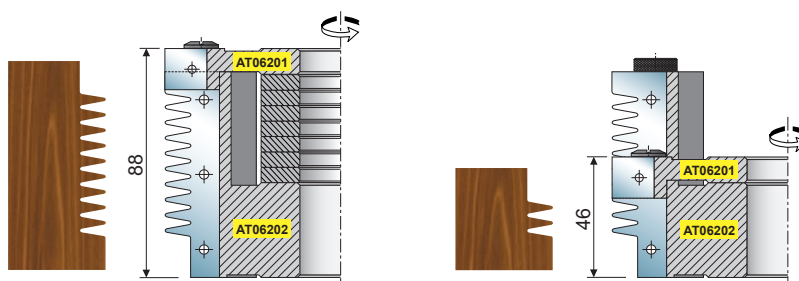
CODICE CODE	MATERIALE MATERIAL	D mm	B/B1 mm	d mm	Z
AT06201	ACCIAIO	140	16	35/40/50	3+3
AT06202	ACCIAIO	140	80	35/40/50	3+3

DISTINTA BASE/Bill of Materials

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

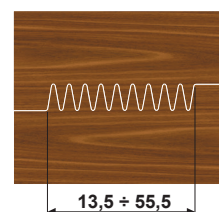
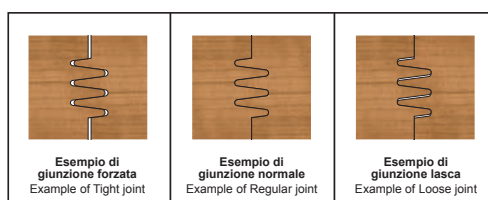
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ESEMPI DI REGOLAZIONE

Adjustment Examples



AT 063

TESTA PER GIUNZIONI

Cutterhead for joints
Fügefräser
Cabezal para juntas

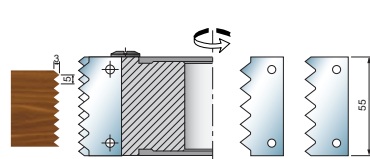
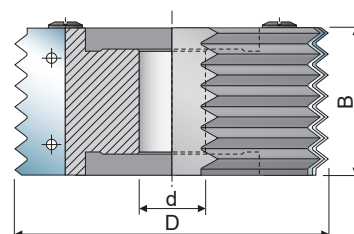


CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

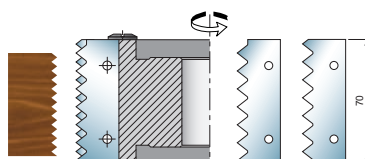
Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CSAT38 CSAT39



CSAT40 CSAT41

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	55x25x3	CSAT063	2	/
Coltello/Knife	55x25x3	CSAT064	2	/
Coltello/Knife	70x25x3	CSAT065	/	2
Coltello/Knife	70x25x3	CSAT066	/	2
Cuneo/Wedge	54x14x8	CU030	4	/
Cuneo/Wedge	69x14x8	CU031	/	4
Vite per Cuneo/Wedge's Screw	M8x16	VT005	8	12
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	4	4
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1



AT 065

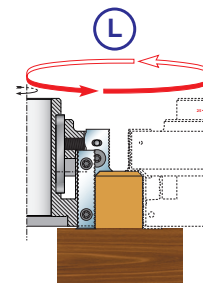
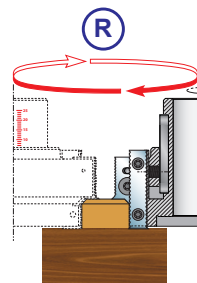
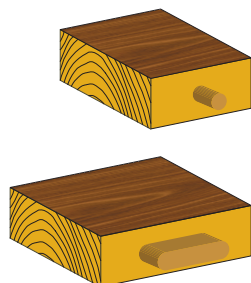
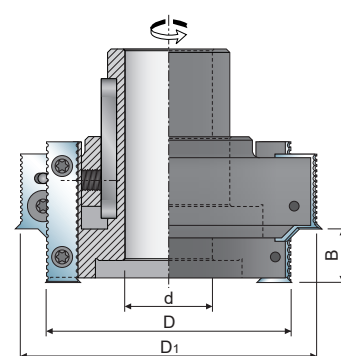
GRUPPO PER STONDANTE

Tools' set for tenoning machine
Werkzeugsatz für Zapfenschneidmaschine
Cabezal para espigadora



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D mm	D1 mm	B mm	d mm	Z	R
AT06501	AT06502	ACCIAIO	60	75	8,7/33	25	3+3	6
AT06503	AT06504	ACCIAIO	70	85	8,7/40	25	3+3	6
AT06505	-	ACCIAIO	90	150	8,3/52	30	3+6	6+3

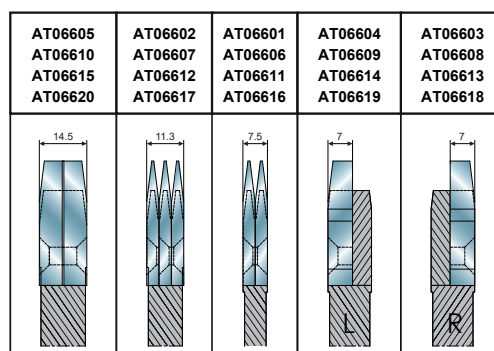
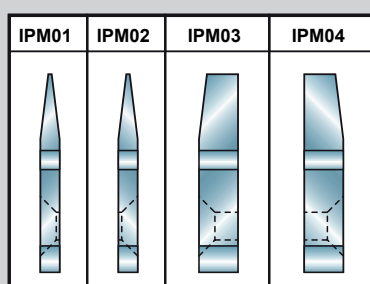
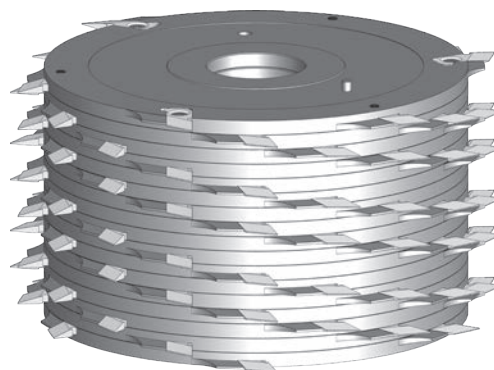
DISTINTA BASE/Bill of Materials

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

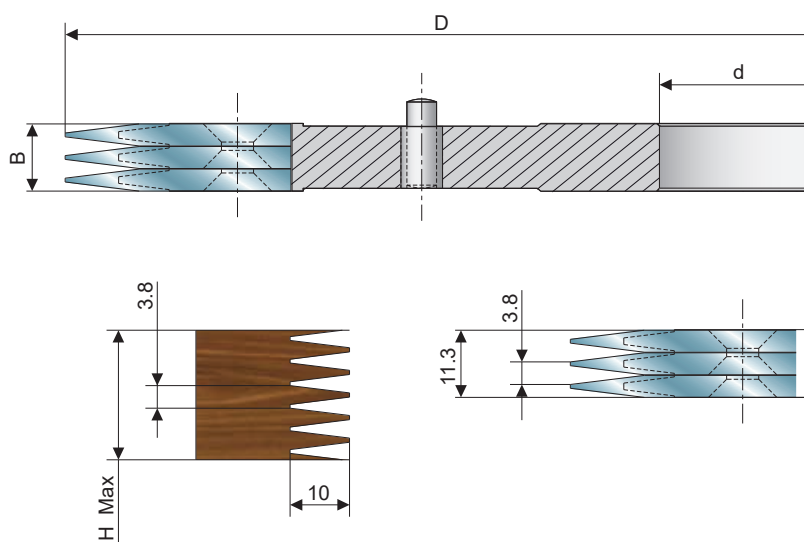
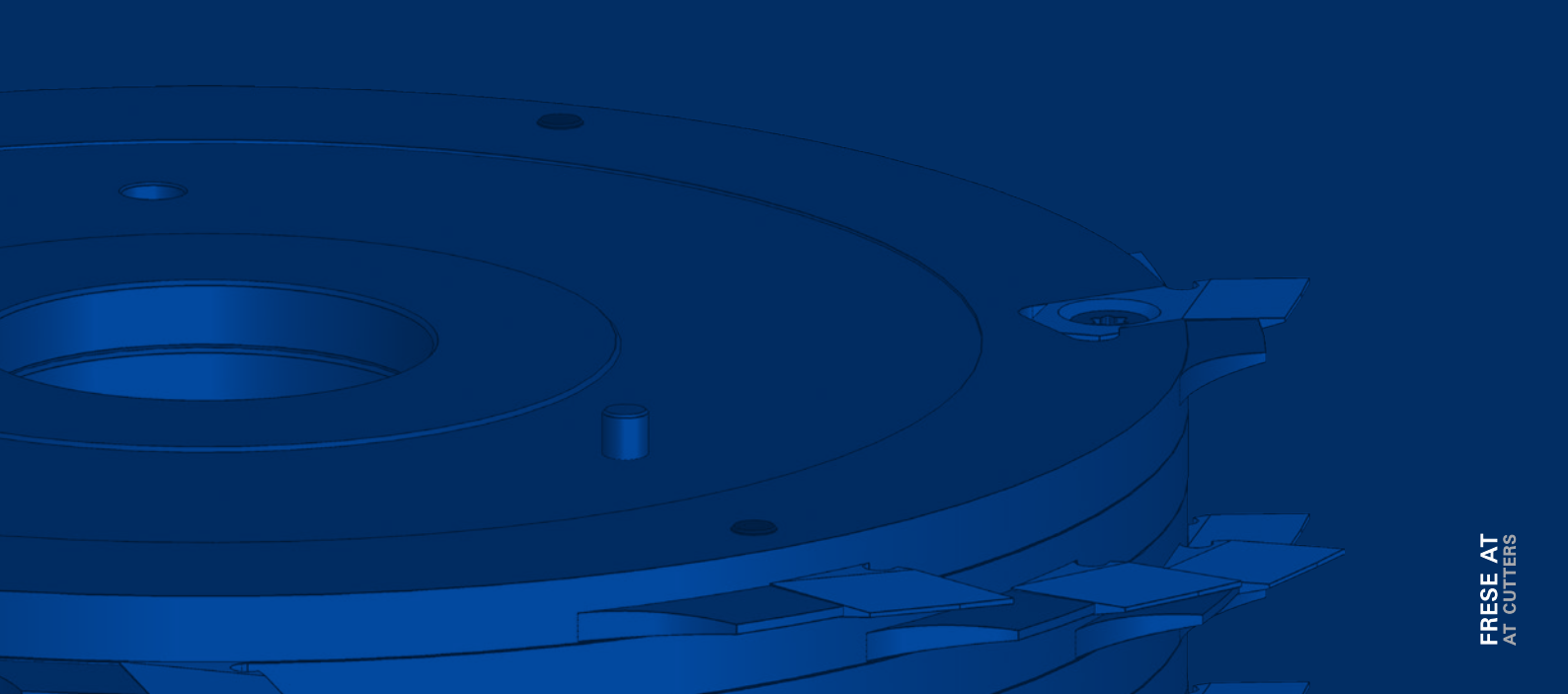
AT 066

TESTA PER GIUNZIONI MINIZINKEN MODULARE

Modular cutterhead for Minizinken joints
Verstellbarer modular Minizinken Fügefräser
Cabezal para juntas Minizinken modular



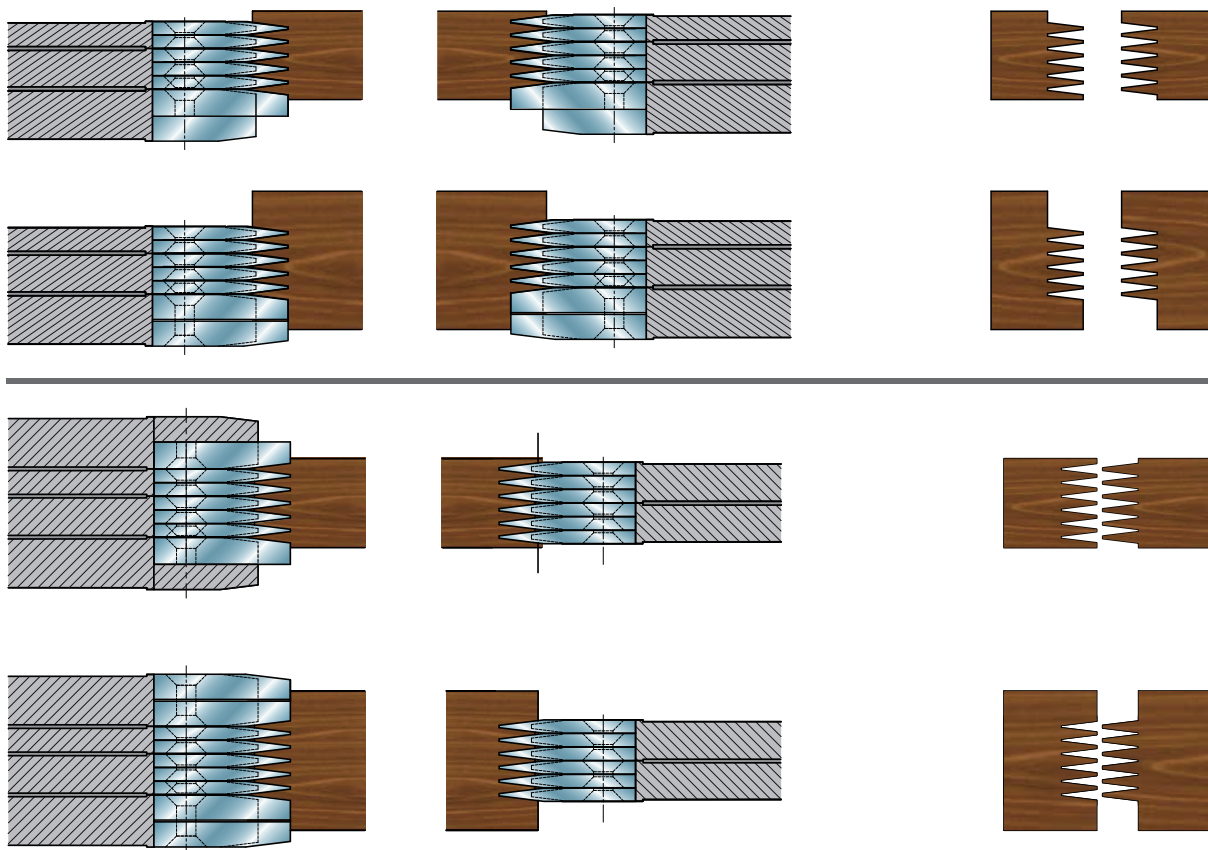
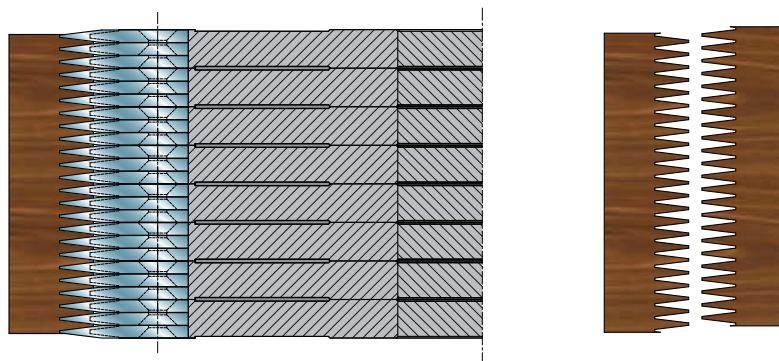
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	P.P.	ROTAZIONE ROTATION
AT06601	ACCIAIO	160	7,5	40/50	2+2	10	R
AT06602	ACCIAIO	160	11,3	40/50	2+2+2	10	R
AT06603	ACCIAIO	160	7	40/50	2	10	R
AT06604	ACCIAIO	160	7	40/50	2	10	L
AT06605	ACCIAIO	160	14,5	40/50	2+2	10	R
AT06606	ACCIAIO	160	7,5	40/50	3+3	10	R
AT06607	ACCIAIO	160	11,3	40/50	3+3+3	10	R
AT06608	ACCIAIO	160	7	40/50	3	10	R
AT06609	ACCIAIO	160	7	40/50	3	10	L
AT06610	ACCIAIO	160	14,5	40/50	3+3	10	R
AT06611	ACCIAIO	250	7,5	50/70	3+3	10	R
AT06612	ACCIAIO	250	11,3	50/70	3+3+3	10	R
AT06613	ACCIAIO	250	7	50/70	3	10	R
AT06614	ACCIAIO	250	7	50/70	3	10	L
AT06615	ACCIAIO	250	14,5	50/70	3+3	10	R
AT06616	ACCIAIO	250	7,5	50/70	4+4	10	R
AT06617	ACCIAIO	250	11,3	50/70	4+4+4	10	R
AT06618	ACCIAIO	250	7	50/70	4	10	R
AT06619	ACCIAIO	250	7	50/70	4	10	L
AT06620	ACCIAIO	250	14,5	50/70	4+4	10	R



H Max Legno mm	FRESE CUTTERS
10	1
21	2
32,5	3
44	4
55,5	5
66,5	6
78	7
89,5	8
101	9
112	10
124	11
135	12
146,5	13
158	14
169,5	15
181	16
192	17
203,5	18
215	19
226	20

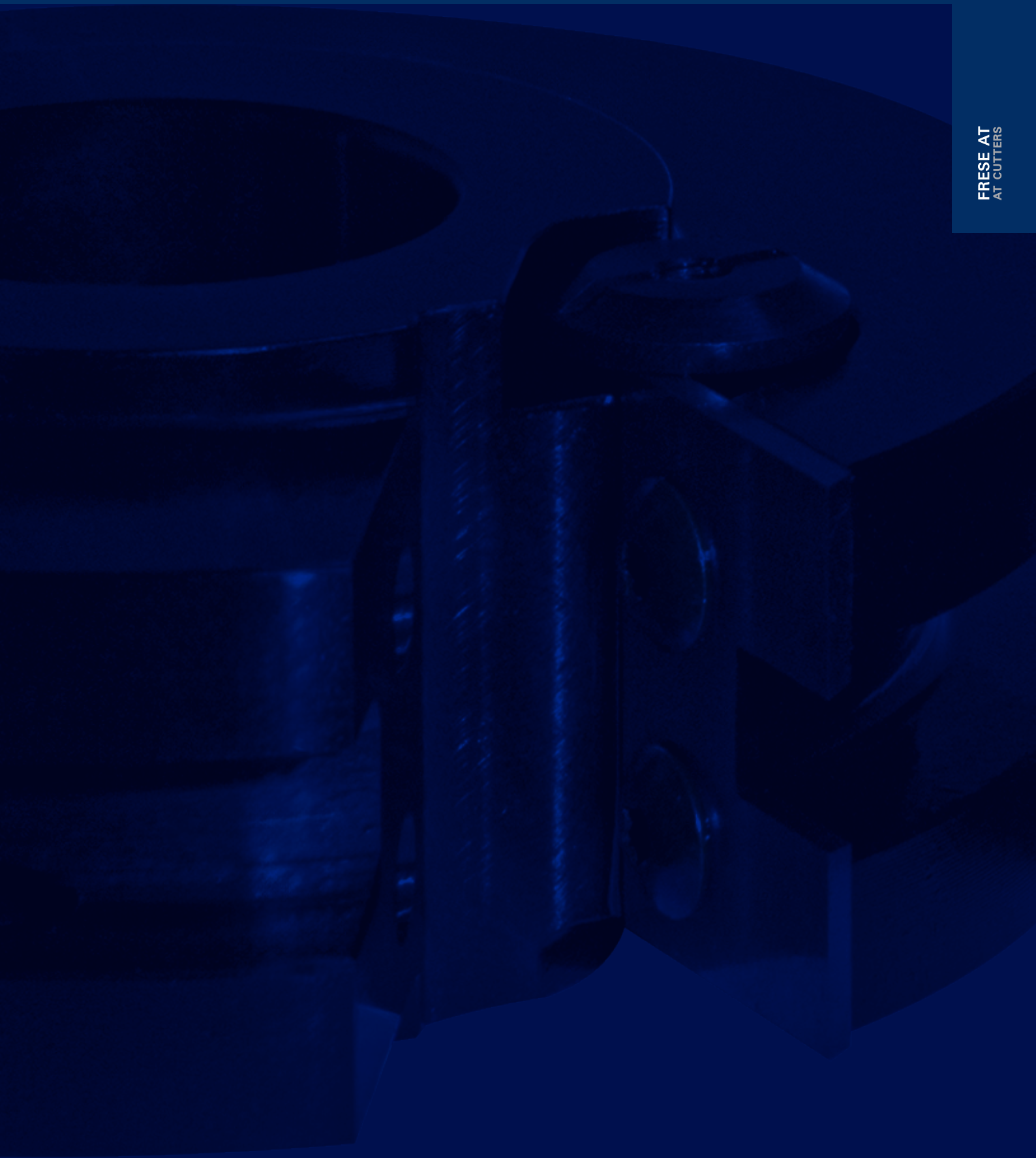
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT066																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
Inserto SX/insert LT	13x38x3,7	IPM01	2	4	/	/	/	3	6	/	/	/	3	6	/	/	/	4	8	/	/	/
Inserto DX/insert RT	13x38x3,7	IPM02	2	2	/	/	/	3	3	/	/	/	3	3	/	/	/	4	4	/	/	/
Inserto SX/insert LT	13x38x7,5	IPM03	/	/	/	2	2	/	/	/	3	3	/	/	/	3	3	/	/	/	4	4
Inserto DX/insert RT	13x38x7,5	IPM04	/	/	2	/	2	/	/	3	/	3	/	/	3	/	3	/	/	4	/	4
Vite per Inserto/Insert's Screw	M5x6,5 Ø9	VT064	4	6	/	/	/	6	9	/	/	/	6	9	/	/	/	8	12	/	/	/
Vite per Inserto/Insert's Screw	M5x12 Ø10	VT003	/	/	2	2	4	/	/	3	3	6	/	/	3	3	6	/	/	4	4	8
Chiave/Key	Torx 15	TK015	1	1	/	/	/	1	1	/	/	/	1	1	/	/	/	1	1	/	/	/
Chiave/Key	Esagonale 3	CH003	/	/	1	1	1	/	/	1	1	1	/	/	1	1	1	/	/	1	1	1



AT 070

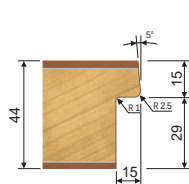
TESTA PER PORTA CON INSERTI IN DIAMANTE

Head for doors with diamond inserts
Messerkopf für Türen mit Diamant Inserten
Cabezal para puerta con insertos de diamante

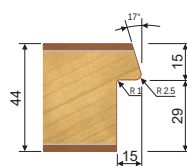
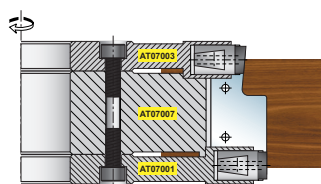


ESEMPI DI LAVORAZIONE

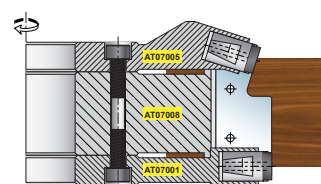
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



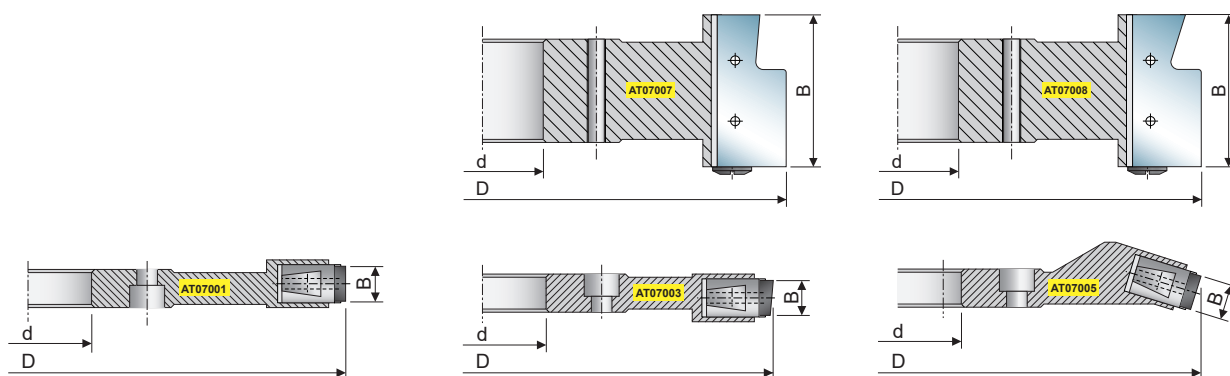
P1



P2



CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
AT07001	AT07002	ACCIAIO	200	11	40	3
AT07003	AT07004	ACCIAIO	183	11	40	3
AT07005	AT07006	ACCIAIO	190,6	11	40	3
AT07007	AT07008	ACCIAIO	200	50	40	6



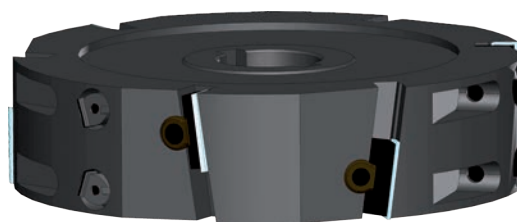
DISTINTA BASE/Bill of Materials

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

AT 071

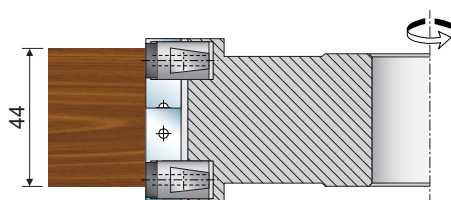
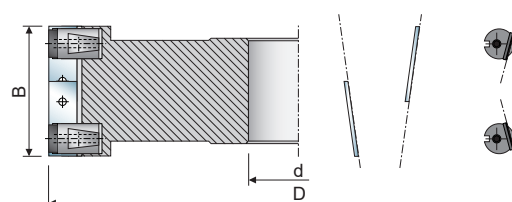
TESTA PER PORTA DRITTA CON INSERTI IN DIAMANTE

Straight cutterhead for door with diamond inserts
Gerader Messerkopf für Türen mit Diamant Inserten
Cabezal recto para puerta con insertos de diamante



ESEMPI DI LAVORAZIONE

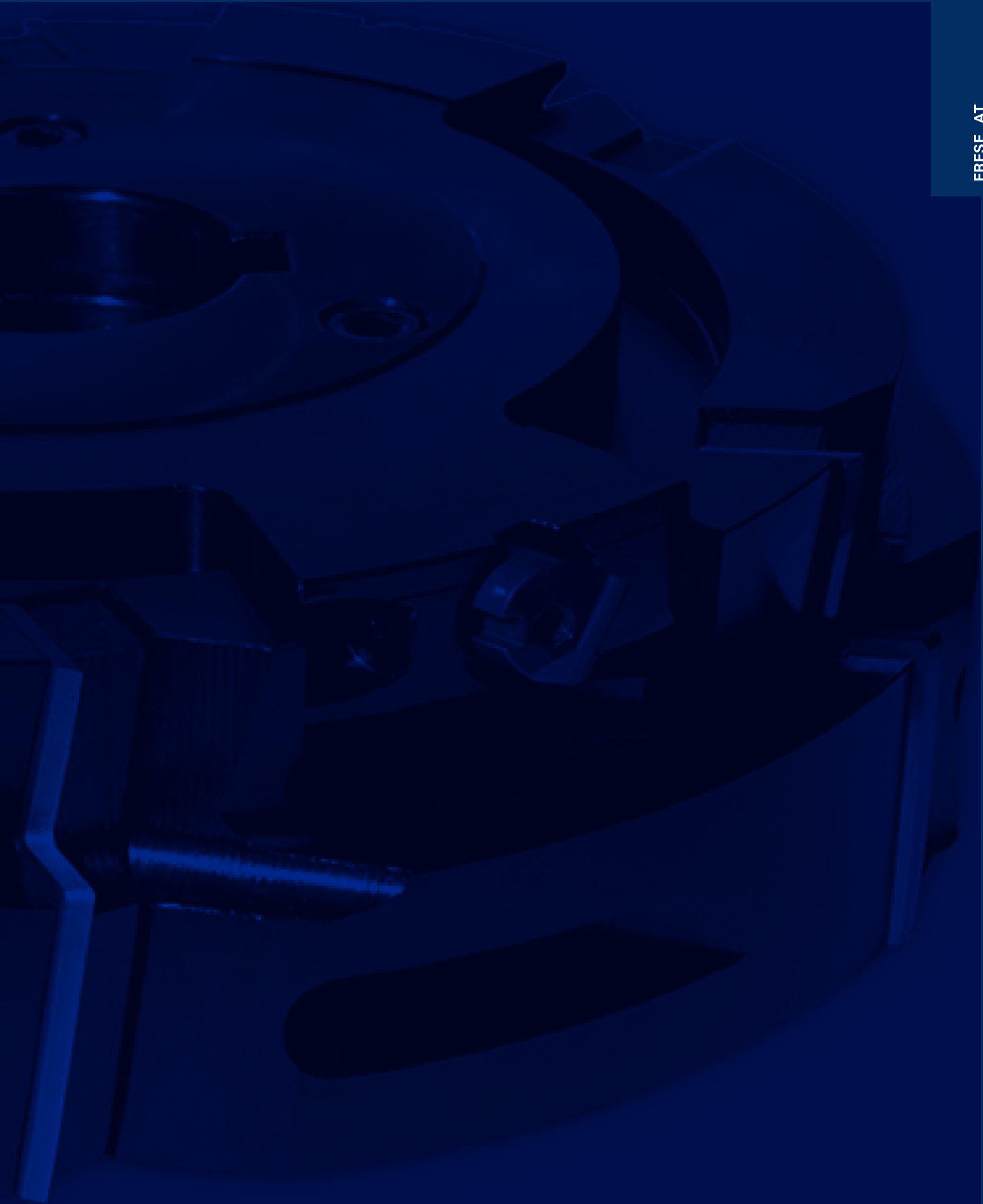
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

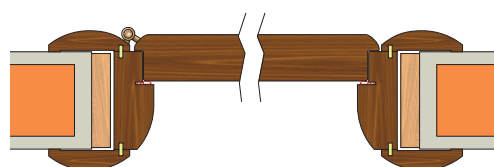
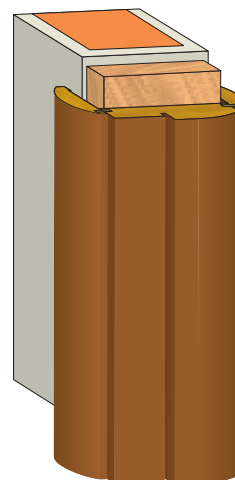
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT071 01
Inserto DP/DP Insert	Ø12×20 DX	IDP01	3
Inserto DP/DP Insert	Ø12×20 SX	IDP02	3
Coltello/Knife	30×12×1,5	CGZ211	12
Cuneo/Wedge	28×10×8	CU012	12
Vite per Inserto DP/DP Insert's Screw	M4×16	VT030	6
Vite per Cuneo/Wedge's Screw	M8×16	VT005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



AT 072

TESTA PER ESECUZIONE TELAIO PORTA

Cutterhead for door frame
Messerkopf für Türrahmen
Cabezal para realizar marco de puerta

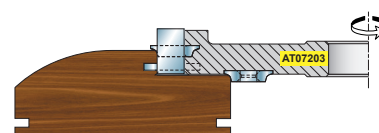
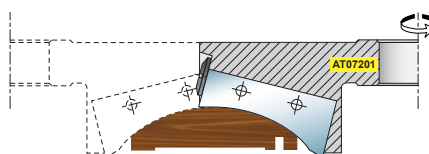
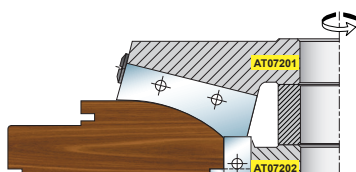


ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

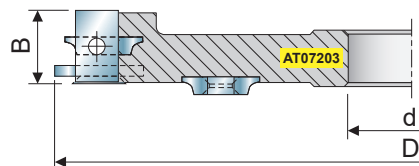
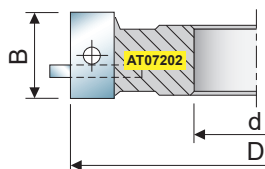
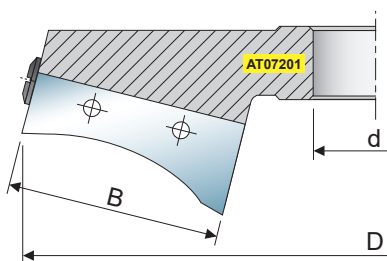
Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH 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



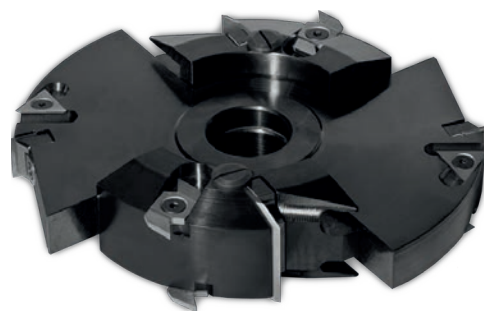
DISTINTA BASE/Bill of Materials

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

AT 073

GRUPPO PER PORTA SCORREVOLE

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

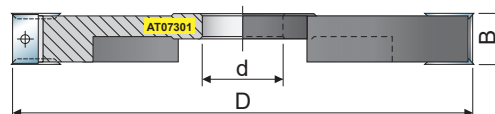
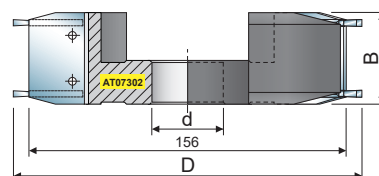
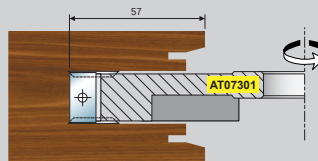
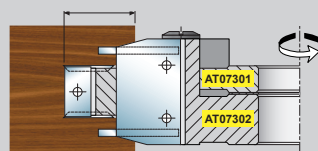
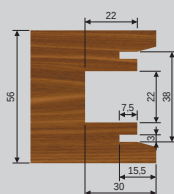


* ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

Spacer rings are supplied based on hole diameter
Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
Anillos distanciadores incluidos en función del diámetro del eje

ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	z	l	s
AT07301	ACCIAIO	200	22	35/40	2	2+2	/
AT07302	ACCIAIO	171	45	35/40	2	/	2+2

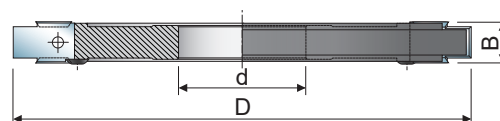
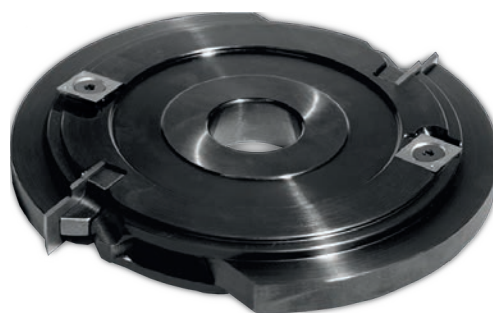
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT073 01 02	
Coltello/Knife	45x29,9x2	CSAT083	/	2
Coltello/Knife	22x12x1,5	CSAT084	2	/
Rasante/Spur	22x19x2	RAS06	4	/
Inserto per canale/Grooving Insert	34x16x3	IPC01	/	4
Cuneo/Wedge	45x20x8	CU087	/	2
Cuneo/Wedge	18x17x8	CU088	2	/
Ogiva/Nut	Ø13x9	OG001	2	/
Vite per Cuneo/Wedge's Screw	M8x16	VT005	2	4
Vite per Rasante/Spur's Screw	M5x6,5 Ø9	VT064	4	/
Viti per Inserto/Insert's Screw	M5x10 Ø10	VT003	/	4
Viti per Ogiva/Nut's Screw	M8x22	VT001	2	/
Vite di riferimento/Positioning Screw	M5x7 Ø16	VT012	/	2
Set Anelli/Set Rings	d35/40x1	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

AT 075

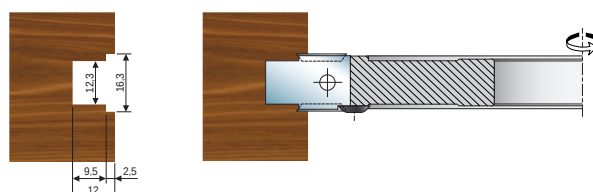
TESTA PER CREMONESE

Cutterhead for Cremonese
Messerkopf für Cremonesi
Cabezal para Cremonesi



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	16x25x2	CSAT085	2
Rasante/Spur	14x14x2	RAS02	4
Cuneo/Wedge	13,5x12,5x8	CU122	2
Vite per Cuneo/Wedge's Screw	M8x16	VT005	2
Vite per Rasante/Spur's Screw	M5x6,5 Ø9	VT064	4
Vite di Riferimento/Positioning Screw	M3,5x6,2 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

AT 080

GRUPPO PER PROFILO E CONTROPROFILO SENZA RECUPERO LISTELLO

Tools' set for profile and counterprofile without
bead recovering

Profil - und Gegenprofilsatz ohne Leiste Realisierung

Juego para perfil y contraperfil sin recuperación listón



LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE

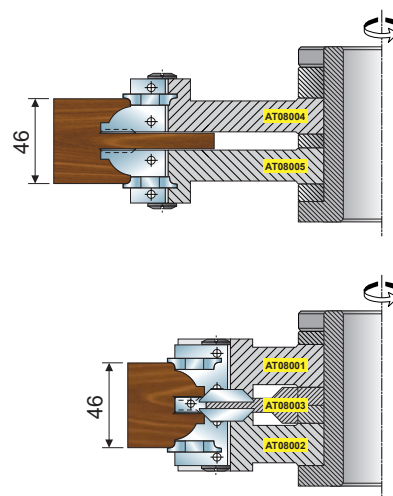
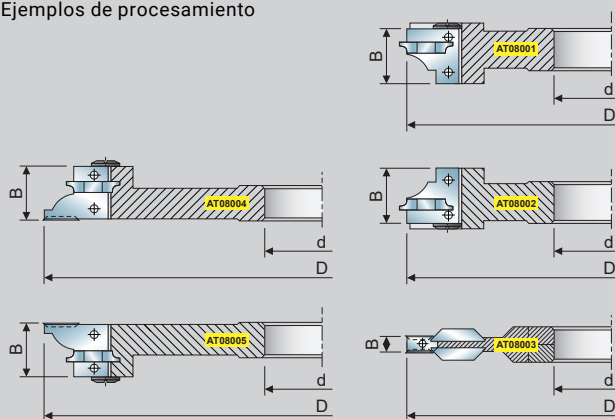
The sleeves and the spacer rings must be ordered separately
Die Büchsen und die Zwischenringe sind separat zu bestellen
Los casquillos y los anillos distanciadores son a pedir a parte

ESEMPLI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

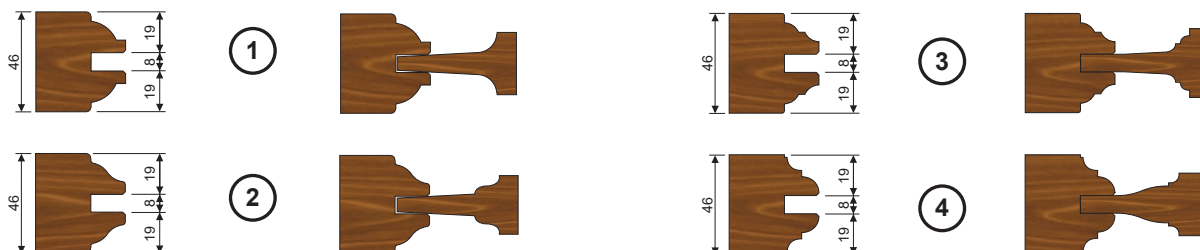
Ejemplos de procesamiento



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

ESEMPI DI PROFILI

Example of Profile



DISTINTA BASE/Bill of Materials

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

AT 081

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

Tools' set for profile and counterprofile with bead
recovering - TK=46 mm

Profil - und Gegenprofilsatz mit Leiste
Realisierung - SP=46 mm

Juego para perfil y contraperfil con recuperación
listón - ESP=46 mm

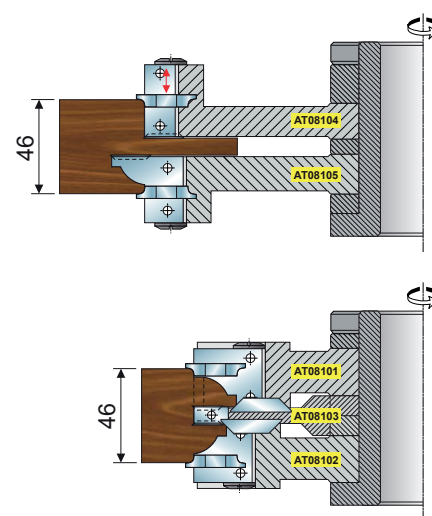
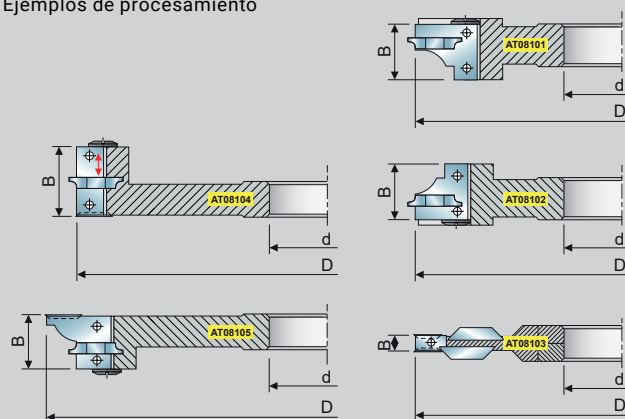


LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE

The sleeves and the spacer rings must be ordered separately
Die Büchsen und die Zwischenringe sind separat zu bestellen
Los casquillos y los anillos distanciadores son a pedir a parte

ESEMPI DI LAVORAZIONE

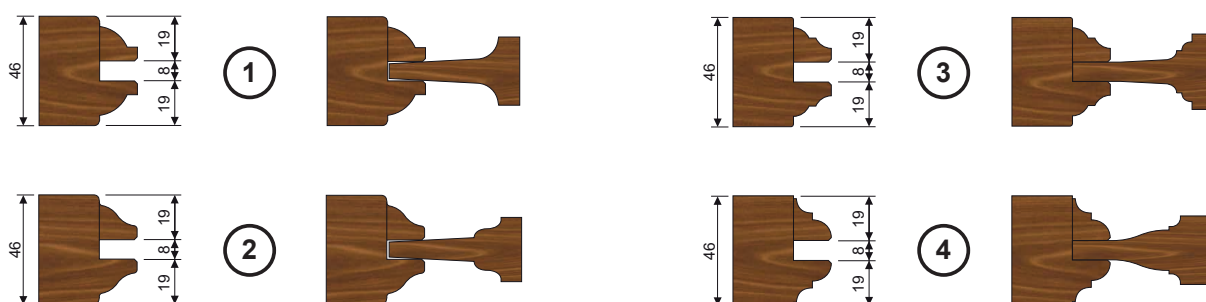
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

ESEMPI DI PROFILI

Example of Profile



DISTINTA BASE/Bill of Materials

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

AT 082

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

Tools' set for profile and counterprofile
with bead recovering - TK=54/59/64 mm

Profil - und Gegenprofilsatz mit Leiste Realisierung
SP=54/59/64 mm

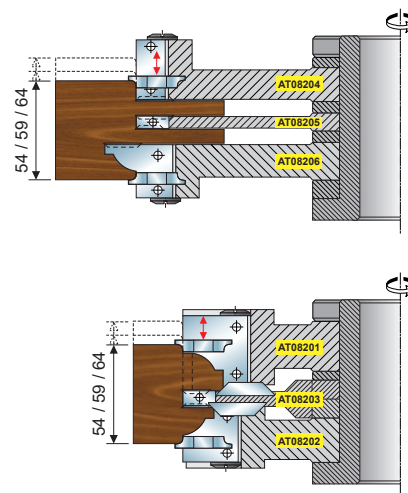
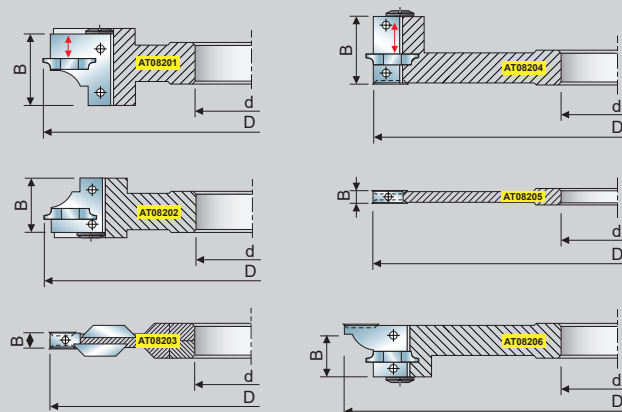
Juego para perfil y contraperfil con recuperación
listón ESP=54/59/64 mm



LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE

The sleeves and the spacer rings must be ordered separately
Die Büchsen und die Zwischenringe sind separat zu bestellen
Los casquillos y los anillos distanciadores son a pedir a parte

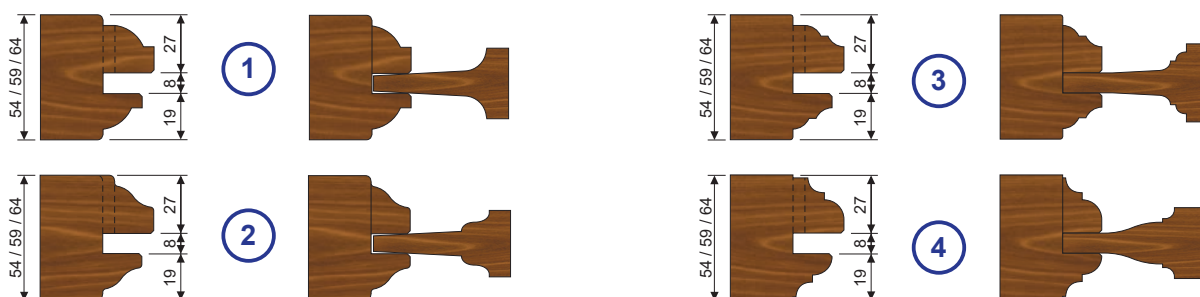
ESEMPI DI LAVORAZIONE Working Example



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	I
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

ESEMPI DI PROFILI

Example of Profile



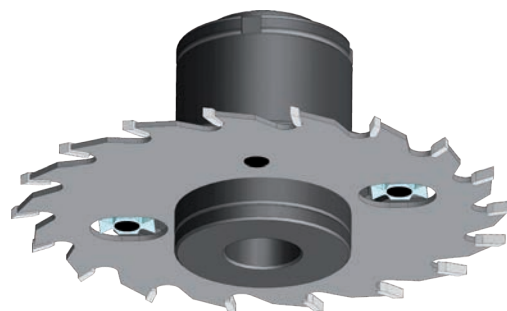
DISTINTA BASE/Bill of Materials

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

AT 083

TESTA PER IL RECUPERO DEL LISTELLO

Cutterhead for bead recovering
Messerkopf für Leiste Realisierung
Cabezal para recuperación listón



LE BOCCOLE E GLI ANELLI DISTANZIALI SONO DA ORDINARE SEPARATAMENTE

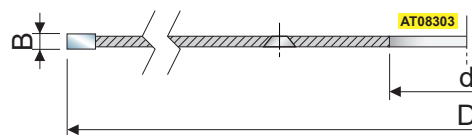
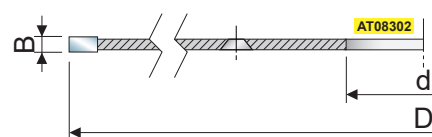
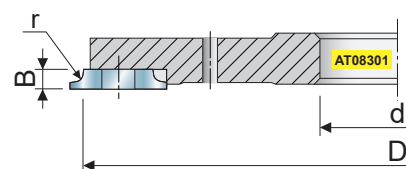
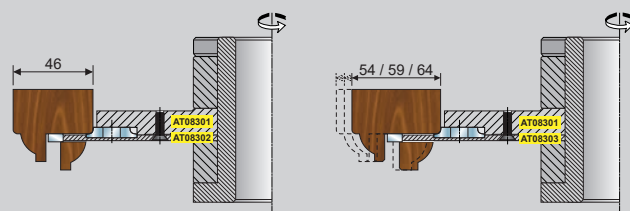
The sleeves and the spacer rings has to be ordered separately
Die Büchsen und die Zwischenringe sind separat zu bestellen
Los casquillos y los anillos distanciadores son a pedir a parte

AL MOMENTO DELL'ORDINE SPECIFICARE IL TIPO DI INSERTO

By ordering, please specify insert type
Bei der Bestellung, bitte geben Sie den Insert-Typ an
En el pedido especificar el tipo de inserto

ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	/

DISTINTA BASE/Bill of Materials

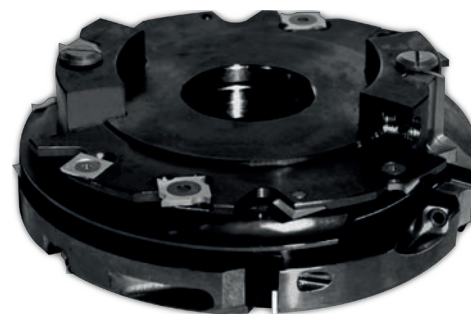
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT083		
			01	02	03
Inserto/Insert	22x16x5/6	SPF *	2	/	/
Vite per Inserto/Insert's Screw	M5x10 Ø10	VT003	2	/	/
Viti di Assieme/Assembling Screw	M5x15 Ø10	VT011	/	4	4
Chiave per vite/Screw's key	Esagonale 3	CH003	1	1	1



AT 084

GRUPPO PER PROFILO CONTROPROFILO E PIATTABANDA

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

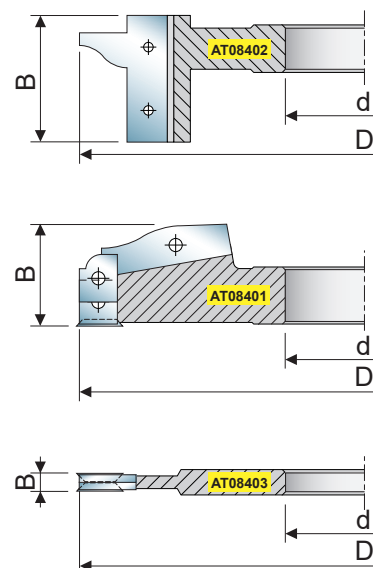
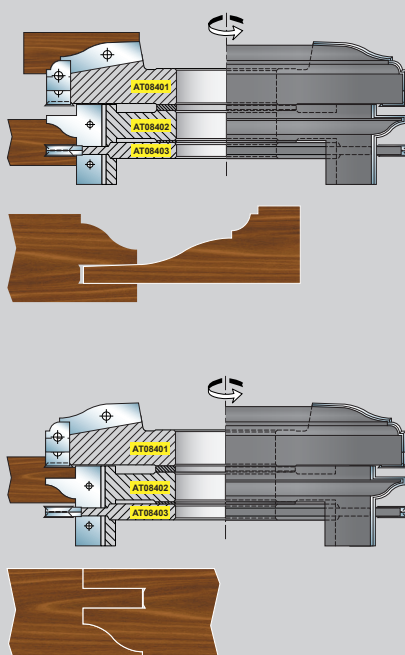


ANELLI DISTANZIALI FORNITI IN BASE AL DIAMETRO DEL FORO

Spacer rings are supplied based on hole diameter
 Zwischenringe sind nach dem Bohrungsdurchmesser geliefert
 Anillos distanciadores incluidos en función del diámetro del eje

ESEMPI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



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

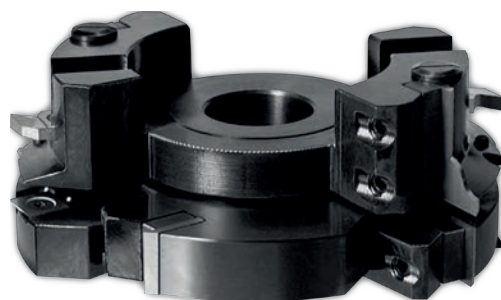
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT084		
			01	02	03
Coltello/Knife	41×12×1,5	CSAT094	2	/	/
Coltello/Knife	15×12×1,5	CSAT095	2	/	/
Coltello/Knife	15×12×1,5	CGZ205	2	/	/
Coltello/Knife	40×30×2	CSAT096	/	2	/
Coltello/Knife	18×18×2,45	IPCZ402	/	/	4
Rasante/Spur	14×14×2	RAS02	2	/	4
Cuneo/Wedge	42×12×8	CU103	2	/	/
Cuneo/Wedge	13×12×10	CU104	2	/	/
Cuneo/Wedge	15×12×10	CU105	2	/	/
Cuneo/Wedge	39×20×8	CU106	/	2	/
Ogiva/Nut	Ø13×9	OG001	4	/	/
Vite per Cuneo/Wedge's Screw	M8×12	VT049	4	/	/
Vite per Cuneo/Wedge's Screw	M8×16	VT005	/	4	/
Vite per Ogiva/Nut's Screw	M8×22	VT001	4	/	/
Vite per Rasante/Spur's Screw	M5×4 Ø9	VT065	/	/	8
Vite di Riferimento/Positioning Screw	M3,5×7 Ø9	VT026	2	/	/
Vite di Riferimento/Positioning Screw	M5×7 Ø16	VT012	/	2	/
Ghiera per Colt./Knife's Threaded Rings	Ø11,8×M4	GH002	/	/	4
Set Anelli/Set Rings	d35/40/50×4,3	SA016		*	
Chiave per Ogive/Nut's Key	Esagonale 4	CH004	1	/	/
Chiave per Rasante/Spur's Key	Torx 20	TK020	/	/	1

AT 085

GRUPPO MULTIPROFILO PER ANTINE

Multi-profile tools' set for cabinet
Multiprofil Werkzeugsatz für Türen
Juego multiperfil para puertas

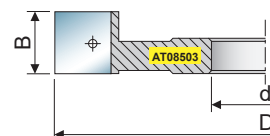
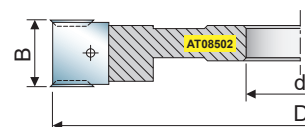
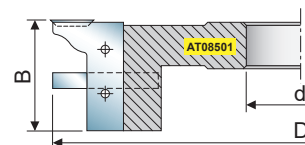


I PROFILI SONO GLI STESSI OTTENIBILI CON LE AP060

The profiles are the same as those that can be had with the AP060
Dieselben Profile können Anwendung der Art.-Nr. AP060
Los perfiles son los mismos conseguibles con los cód. AP060

COLTELLI DA ORDINARE A PARTE

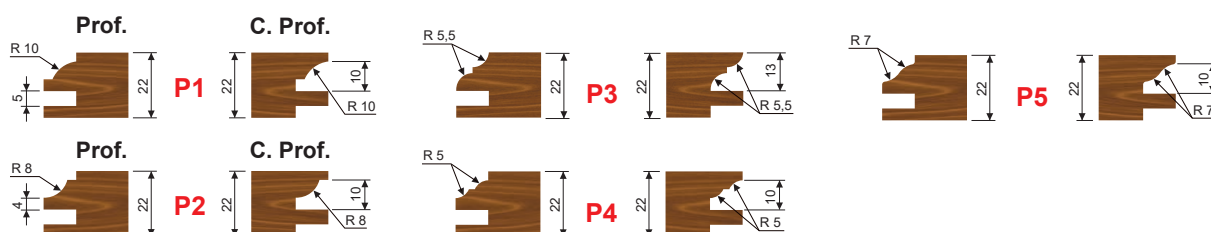
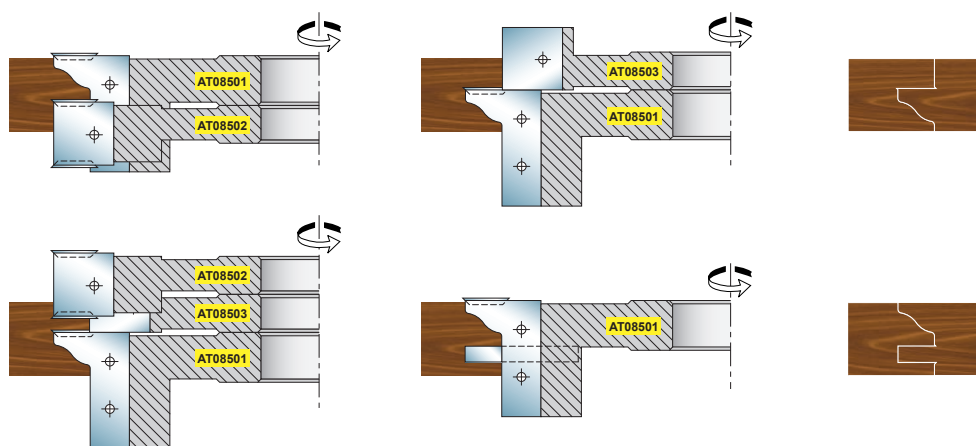
The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte



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	/	/

ESEMPI DI PROFILI

Example of Profile



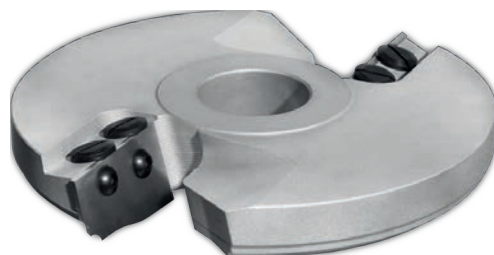
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT085		
			01	02	03
Coltello/Knife	20×20×3	CSAT097	/	2	2
Coltello Prof. P1/Profile Knife P1	35×25×3	CSAT098	2	/	/
Coltello C. Prof. P1/Scribe Knife P1	35×25×3	CSAT099	2	/	/
Coltello Prof. P2/Profile Knife P2	35×25×3	CSAT100	2	/	/
Coltello C. Prof. P2/Scribe Knife P2	35×25×3	CSAT101	2	/	/
Coltello P3/Knife P3	35×25×3	CSAT102	2	/	/
Coltello P4/Knife P4	35×25×3	CSAT103	2	/	/
Coltello P5/Knife P5	35×25×3	CSAT104	2	/	/
Rasante/Spur	14×14×2	RAS02	2	4	/
Inserto per canale/Grooving Insert	34×16×5	IPC03	2	/	/
Cuneo/Wedge	33×12×8	CU044	2	/	/
Cuneo/Wedge	17×17×8	CU045	/	2	2
Vite per Cuneo/Wedge's Screw	M8×16	VT005	4	2	2
Vite per Rasante/Spur's Screw	M5×6,5 Ø9	VT064	2	4	/
Vite per Inserto/Insert's Screw	M5×10 Ø10	VT003	2	/	/
Vite di Riferimento/Positioning Screw	M5×7 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

AT 086

PIATTABANDA MULTIPROFILO Z2

Multi-profile platband Z2
Multiprofil Abplattfräser Z2
Platabanda multiperfil Z2

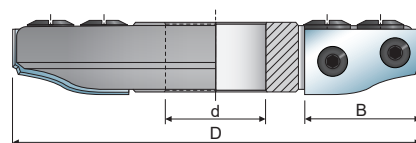


COLTELLI DA ORDINARE A PARTE

The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

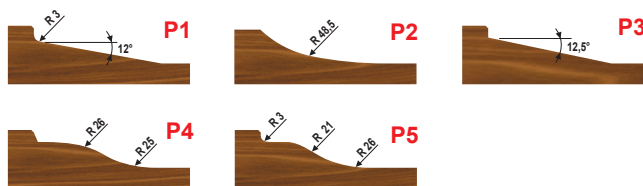
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



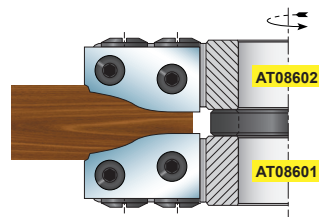
ESEMPI DI PROFILI

Example of Profile



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	ROT. AZ. ROTAT.	KIT
AT08601	LEGA LEGG.	140	40	35/40	2	R	
AT08602	LEGA LEGG.	140	40	35/40	2	L	

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT086	
			01	02
Coltello P1/Knife P1	40x25x3 DX	CSAT105	2	/
Coltello P2/Knife P2	40x25x3 DX	CSAT106	2	/
Coltello P3/Knife P3	40x25x3 DX	CSAT107	2	/
Coltello P4/Knife P4	40x25x3 DX	CSAT108	2	/
Coltello P5/Knife P5	40x25x3 DX	CSAT109	2	/
Coltello P1/Knife P1	40x25x3 SX	CSAT110	/	2
Coltello P2/Knife P2	40x25x3 SX	CSAT111	/	2
Coltello P3/Knife P3	40x25x3 SX	CSAT112	/	2
Coltello P4/Knife P4	40x25x3 SX	CSAT113	/	2
Coltello P5/Knife P5	40x25x3 SX	CSAT114	/	2
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT029	4	4
Vite per Coltelli/Knife's Screw	M6x13 Ø10,3	VT018	4	4
Chiave per Coltelli/Knife's Key	Esagonale 4	CH004	/	/
Valigetta/Handbag	310x280x115	VAL01	/	/

AT 087

PIATTABANDA MULTIPROFILO Z3

Multi-profile platband Z3
Multiprofil Abplattfräser Z3
Platabanda multiperfil Z3



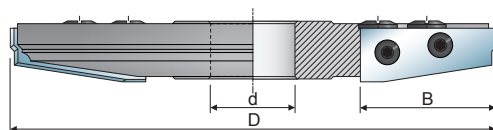
FRESE AT
AT CUTTERS

COLTELLI DA ORDINARE A PARTE

The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

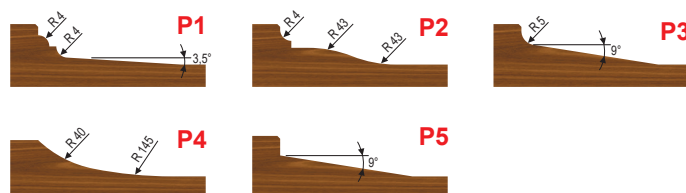
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



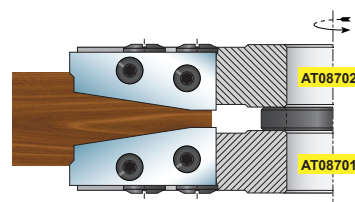
ESEMPI DI PROFILI

Example of Profile



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	

DISTINTA BASE/Bill of Materials

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

AT 088

PIATTABANDA MULTIPROFILO Z2+2

Multi-profile platband Z2+2
Multiprofil Abplattfräser Z2+2
Platabanda multiperfil Z2+2

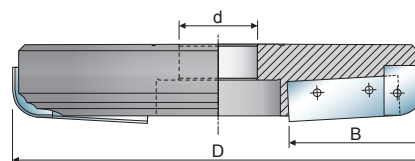


COLTELLI DA ORDINARE A PARTE

The knives must be ordered separately
Die Messer sind separat zu bestellen
Cuchillas a pedir aparte

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

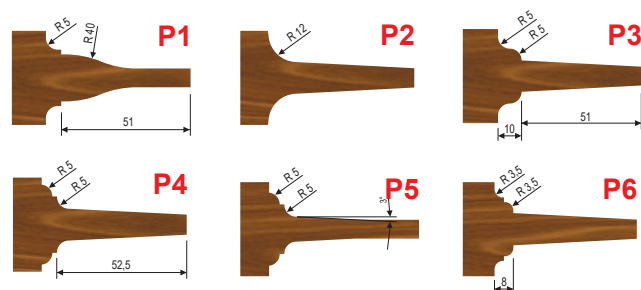
Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	ROTAZ. ROTAT.	KIT
AT08801	LEGA LEGG.	200	60	35/40/50	2+2	R	
AT08802	LEGA LEGG.	200	60	35/40/50	2+2	L	

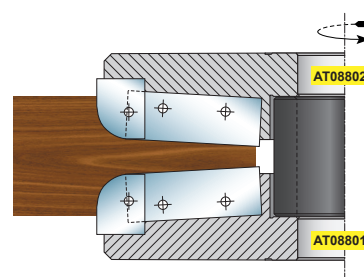
ESEMPLI DI PROFILI

Example of Profile



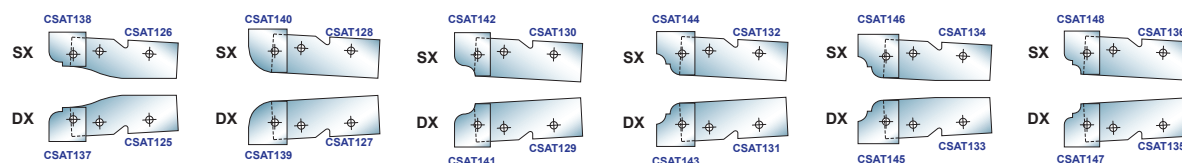
ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



* KIT COLTELLI STANDARD

Standard Knives' kit



DISTINTA BASE/Bill of Materials

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

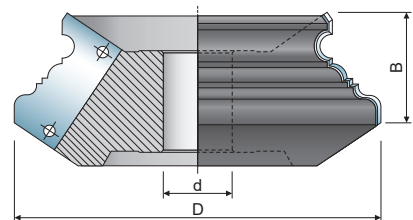
DOTAZIONE DEL KIT/Kit included

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT088	
			01	02
Coltello P1/Knife P1	60×25×2 DX	CSAT125	2	/
Coltello P1/Knife P1	60×25×2 SX	CSAT126	/	2
Coltello P2/Knife P2	60×25×2 DX	CSAT127	2	/
Coltello P2/Knife P2	60×25×2 SX	CSAT128	/	2
Coltello P3/Knife P3	60×25×2 DX	CSAT129	2	/
Coltello P3/Knife P3	60×25×2 SX	CSAT130	/	2
Coltello P4/Knife P4	60×25×2 DX	CSAT131	2	/
Coltello P4/Knife P4	60×25×2 SX	CSAT132	/	2
Coltello P5/Knife P5	60×25×2 DX	CSAT133	2	/
Coltello P5/Knife P5	60×25×2 SX	CSAT134	/	2
Coltello P6/Knife P6	60×25×2 DX	CSAT135	2	/
Coltello P6/Knife P6	60×25×2 SX	CSAT136	/	2
Coltello P1/Knife P1	25×25×2 DX	CSAT137	2	/
Coltello P1/Knife P1	25×25×2 SX	CSAT138	/	2
Coltello P2/Knife P2	25×25×2 DX	CSAT139	2	/
Coltello P2/Knife P2	25×25×2 SX	CSAT140	/	2
Coltello P3/Knife P3	25×25×2 DX	CSAT141	2	/
Coltello P3/Knife P3	25×25×2 SX	CSAT142	/	2
Coltello P4/Knife P4	25×25×2 DX	CSAT143	2	/
Coltello P4/Knife P4	25×25×2 SX	CSAT144	/	2
Coltello P5/Knife P5	25×25×2 DX	CSAT145	2	/
Coltello P5/Knife P5	25×25×2 SX	CSAT146	/	2
Coltello P6/Knife P6	25×25×2 DX	CSAT147	2	/
Coltello P6/Knife P6	25×25×2 SX	CSAT148	/	2

AT 101

TESTA MULTIPROFILO PER CORNICI

Multi-profile cutterhead for frames
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	55×30×3	CSAT153	2
Cuneo/Wedge	54×16×8	CU032	2
Vite per Cuneo/Wedge's Screw	M8×6	VT005	4
Vite di Riferimento/positioning Screw	M5×7 Ø16	VT012	2
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1

ESEMPI DI PROFILI

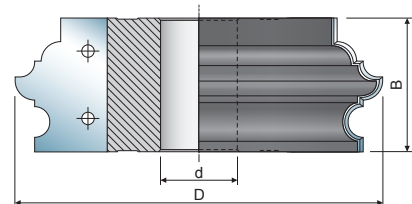
Example of Profile



AT 102

TESTA MULTIPROFILO PER CORNICI

Multi-profile cutterhead for frames
Multiprofilfräser für Rahmen
Cabezal multiperfil para marcos



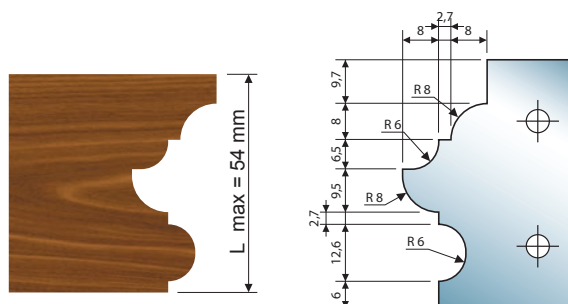
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
AT10201	ACCIAIO	165	55	35	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE AT102 01
Coltello/Knife	55×30×3	CSAT153	2
Cuneo/Wedge	54×16×8	CU032	2
Vite per Cuneo/Wedge's Screw	M8×6	VT005	4
Vite di Riferimento/positioning Screw	M5×7 Ø16	VT012	2
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1

ESEMPI DI PROFILI

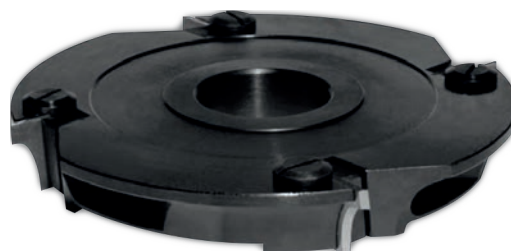
Example of Profile



AT 110-115-120

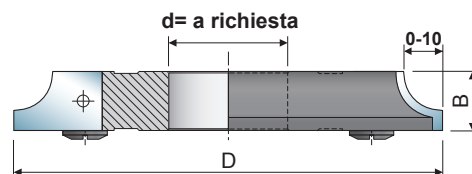
TESTA PORTACOLTELLI SPECIALE PER COLTELLI AFFILABILI, PP DA 0 A 20 mm

Special cutterhead with profiled knives, PP from 0 to 20 mm
Sonder profilierter Messerkopf, PP vom 0 bis 20 mm
Cabezal especial perfilado, PP de 0 a 20 mm



CORPO IN ACCIAIO

Steel body
Körper aus Stahl
Cuerpo en acero



da 0 a 10

CODICE CODE	P.P. mm	D mm	B mm	Z
AT11001	0/10	140	20	4
AT11002	0/10	160	20	4
AT11003	0/10	200	20	4
AT11004	0/10	250	20	4
AT11005	0/10	300	20	4
AT11006	0/10	140	30	4
AT11007	0/10	160	30	4
AT11008	0/10	200	30	4
AT11009	0/10	250	30	4
AT11010	0/10	300	30	4
AT11011	0/10	140	40	4
AT11012	0/10	160	40	4
AT11013	0/10	200	40	4
AT11014	0/10	250	40	4
AT11015	0/10	300	40	4
AT11016	0/10	140	50	4
AT11017	0/10	160	50	4
AT11018	0/10	200	50	4
AT11019	0/10	250	50	4
AT11020	0/10	300	50	4
AT11021	0/10	140	60	4
AT11022	0/10	160	60	4
AT11023	0/10	200	60	4
AT11024	0/10	250	60	4
AT11025	0/10	300	60	4
AT11026	0/10	140	80	4
AT11027	0/10	160	80	4
AT11028	0/10	200	80	4
AT11029	0/10	250	80	4
AT11030	0/10	300	80	4

da 11 a 15

CODICE CODE	P.P. mm	D mm	B mm	Z
AT11501	11/15	140	20	4
AT11502	11/15	160	20	4
AT11503	11/15	200	20	4
AT11504	11/15	250	20	4
AT11505	11/15	300	20	4
AT11506	11/15	140	30	4
AT11507	11/15	160	30	4
AT11508	11/15	200	30	4
AT11509	11/15	250	30	4
AT11510	11/15	300	30	4
AT11511	11/15	140	40	4
AT11512	11/15	160	40	4
AT11513	11/15	200	40	4
AT11514	11/15	250	40	4
AT11515	11/15	300	40	4
AT11516	11/15	140	50	4
AT11517	11/15	160	50	4
AT11518	11/15	200	50	4
AT11519	11/15	250	50	4
AT11520	11/15	300	50	4
AT11521	11/15	140	60	4
AT11522	11/15	160	60	4
AT11523	11/15	200	60	4
AT11524	11/15	250	60	4
AT11525	11/15	300	60	4
AT11526	11/15	140	80	4
AT11527	11/15	160	80	4
AT11528	11/15	200	80	4
AT11529	11/15	250	80	4
AT11530	11/15	300	80	4

da 16 a 20

CODICE CODE	P.P. mm	D mm	B mm	Z
AT12001	16/20	140	20	4
AT12002	16/20	160	20	4
AT12003	16/20	200	20	4
AT12004	16/20	250	20	4
AT12005	16/20	300	20	4
AT12006	16/20	140	30	4
AT12007	16/20	160	30	4
AT12008	16/20	200	30	4
AT12009	16/20	250	30	4
AT12010	16/20	300	30	4
AT12011	16/20	140	40	4
AT12012	16/20	160	40	4
AT12013	16/20	200	40	4
AT12014	16/20	250	40	4
AT12015	16/20	300	40	4
AT12016	16/20	140	50	4
AT1217	16/20	160	50	4
AT12018	16/20	200	50	4
AT12019	16/20	250	50	4
AT12020	16/20	300	50	4
AT12021	16/20	140	60	4
AT12022	16/20	160	60	4
AT12023	16/20	200	60	4
AT12024	16/20	250	60	4
AT12025	16/20	300	60	4
AT12026	16/20	140	80	4
AT12027	16/20	160	80	4
AT12028	16/20	200	80	4
AT12029	16/20	250	80	4
AT12030	16/20	300	80	4

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
20x20/25x2	CSAT200
30x20/25x2	CSAT201
40x20/25x2	CSAT202
50x20/25x2	CSAT203
60x20/25x2	CSAT204
80x20/25x2	CSAT205
19x17x8	CU155
29x17x8	CU156
39x17x8	CU157
49x17x8	CU158
59x17x8	CU159
79x17x8	CU160
Ø13x9	OG001
M5x7 Ø16	VT012
Esagonale 4	CH004

AT115

DIMENSIONI mm	CODICE CODE
20x25/30x2	CSAT206
30x25/30x2	CSAT207
40x25/30x2	CSAT208
50x25/30x2	CSAT209
60x25/30x2	CSAT210
80x25/30x2	CSAT211
19x22x8	CU161
29x22x8	CU162
39x22x8	CU163
49x22x8	CU164
59x22x8	CU165
79x22x8	CU166
Ø13x9	OG001
M5x7 Ø16	VT012
Esagonale 4	CH004

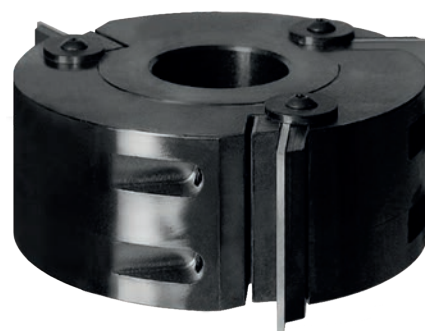
AT120

DIMENSIONI mm	CODICE CODE
20x30/35x2	CSAT212
30x30/35x2	CSAT213
40x30/35x2	CSAT214
50x30/35x2	CSAT215
60x30/35x2	CSAT216
80x30/35x2	CSAT217
19x25x8	CU167
29x25x8	CU168
39x25x8	CU169
49x25x8	CU170
59x25x8	CU171
79x25x8	CU172
Ø13x9	OG001
M5x7 Ø16	VT012
Esagonale 4	CH004

AT 130

TESTA MULTIPROFILO CON AREA PROFILABILE DI 30×10 mm

Multi-profile cutterhead - With 30×10 mm area to be profiled
Multiprofilfräser mit Fläche zum profilieren vom 30×10 mm
Cabezal multiperfil con area a perfilar de 30×10 mm

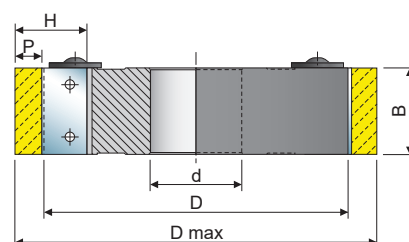
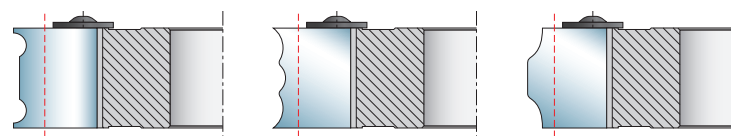


COLTELLI E SUPPORTI DA ORDINARE A PARTE

The knives and supports must be ordered separately
Die Messer und die Halterungen sind separat zu bestellen
Cuchillos y soportes a pedir aparte.

ESEMPI DI PROFILI

Example of Profile



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

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	40×30×2	CSAT218	3	/	/
Coltello/Knife	60×30×2	CSAT219	/	3	/
Coltello/Knife	80×30×2	CSAT220	/	/	3
Supporto/Support Plate	39×28×5	SU001	3	/	/
Supporto/Support Plate	59×28×5	SU002	/	3	/
Supporto/Support Plate	79×28×5	SU003	/	/	3
Cuneo/Wedge	39×15×8	CU019	3	/	/
Cuneo/Wedge	59×15×8	CU020	/	3	/
Cuneo/Wedge	79×15×8	CU021	/	/	3
Vite per Cuneo/Wedge's Screw	M8×16	VT005	6	6	/
Viti per Rond. di Rif./Positioning Washer's Screw	M4×8 Ø9	VT013	3	3	3
Rondella di Rif./Positioning Washer	Ø20×2	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

AT 140

TESTA MULTIPROFILO CON AREA PROFILABILE DI 35×16 O 40×21 mm

Multi-profile cutterhead - With 35×16 or 40×21 mm area to be profiled

Multiprofilfräser mit Fläche zum profilieren vom 35×16 oder 40×21 mm

Cabezal multiperfil con area a perfilar de 35×16 o 40×21 mm



FRESE AT
AT CUTTERS

COLTELLI E SUPPORTI DA ORDINARE A PARTE

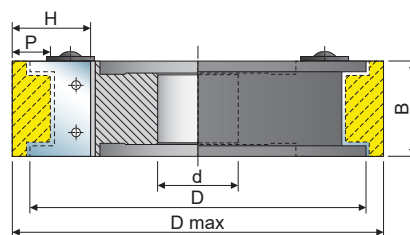
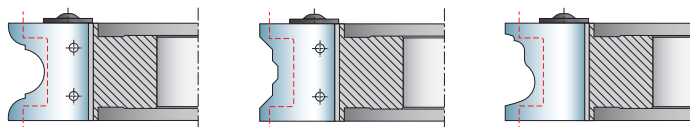
The knives and supports must be ordered separately

Die Messer und die Halterungen sind separat zu bestellen

Cuchillos y soportes a pedir aparte.

ESEMPI DI PROFILI

Example of Profile



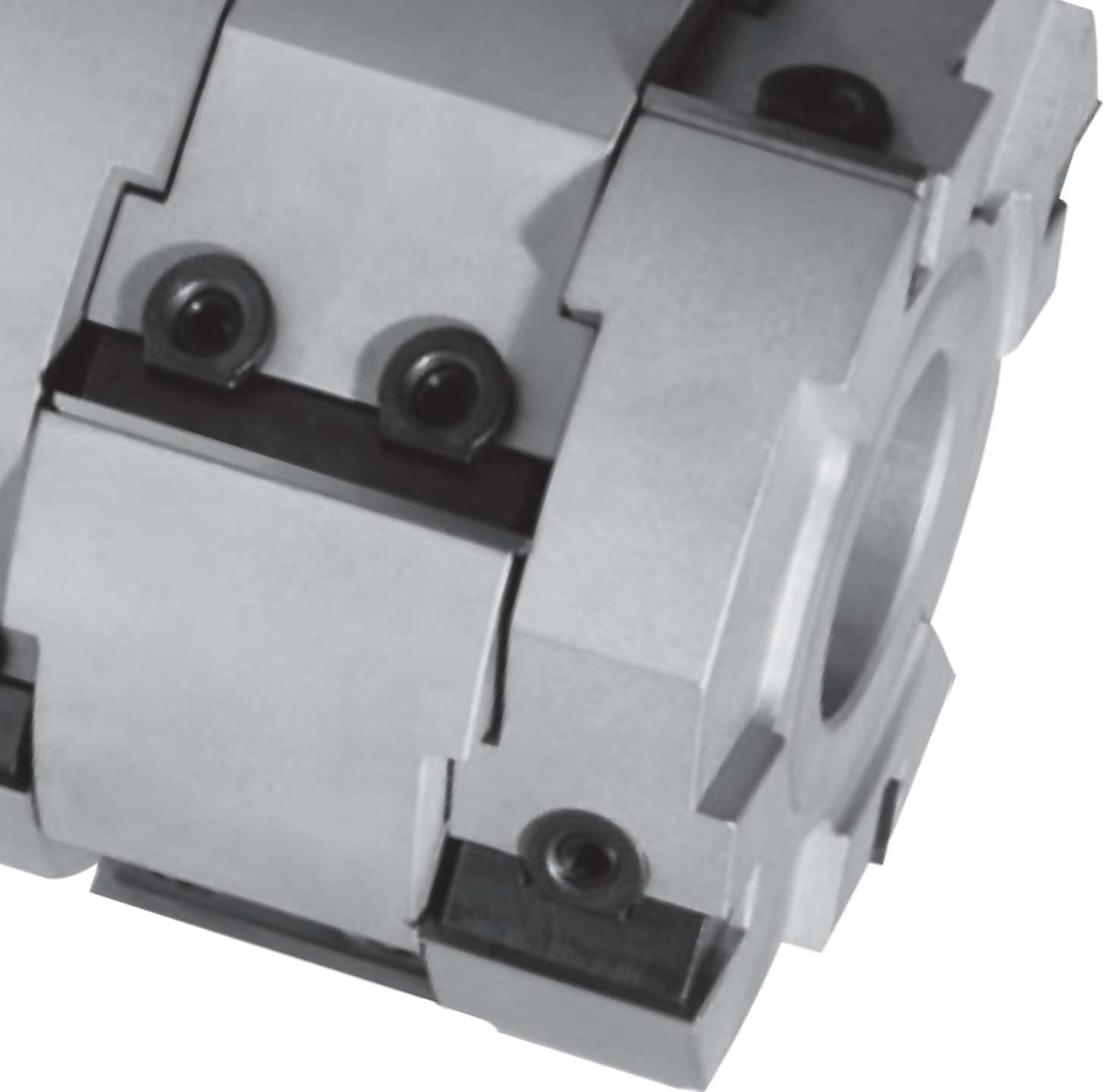
CODICE CODE	MATERIALE MATERIAL	D mm	D max mm	B mm	d mm	Z	B×P mm
AT14001	ACCIAIO	140	156	40	35	3	40×16
AT14002	ACCIAIO	140	166	40	35	3	40×21
AT14003	ACCIAIO	140	156	60	35	3	60×16
AT14004	ACCIAIO	140	166	60	35	3	60×21
AT14005	ACCIAIO	140	156	80	35	3	80×16
AT14006	ACCIAIO	140	166	80	35	3	80×21

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	40×35×2	CSAT221	3	/	/
Coltello/Knife	40×40×2	CSAT222	3	/	/
Coltello/Knife	60×35×2	CSAT223	/	3	/
Coltello/Knife	60×40×2	CSAT224	/	3	/
Coltello/Knife	80×35×2	CSAT225	/	/	3
Coltello/Knife	80×40×2	CSAT226	/	/	3
Supporti/Support Plates	39×33×5	SU004	3	/	/
Supporti/Support Plates	39×38×5	SU005	3	/	/
Supporti/Support Plates	59×33×5	SU006	/	3	/
Supporti/Support Plates	59×38×5	SU007	/	3	/
Supporti/Support Plates	79×33×5	SU008	/	/	3
Supporti/Support Plates	79×38×5	SU009	/	/	3
Cuneo/Wedge	39×25×8	CU022	3	/	/
Cuneo/Wedge	59×25×8	CU023	/	3	/
Cuneo/Wedge	79×25×8	CU024	/	/	3
Vite per Cuneo/Wedge's Screw	M8×16	VT005	6	6	6
Viti per Rond. di Rif./Positioning Washer's Screw	M4×8 Ø9	VT013	3	3	3
Rondella di Rif./Positioning Washer	Ø20×2	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



FRESE PT

PT CUTTERS

PT FRÄSER

FRESAS PT

PT 010**TESTA MODULARE**

Modular cutterhead
Modularmesserkopf
Cabezal modular

164**PT 020****GRUPPO DI TESTE PER PIANO RIGATO**

Tool set for scored surface
Werkzeugsatz für geriefelte Fläche
Juego de cabezales para plano rayado

165**PT 025****TESTA PER SEDE GUIDA LATERALE**

Cutterhead for lateral guide
Kopf für Seitenschiene
Cabezal para ranura por guía lateral

166**PT 030****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

167**PT 040****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

168**PT 045****TESTA MULTITAGLIENTE ELICOIDALE COLTELLO REVERSIBILE 14x14x2**

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

169**PT 050****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

170

FRESE PT

PT CUTTERS

PT FRÄSER

FRESAS PT

PT 053



TESTA ELICOIDALE - COLTELLI RAVVICINATI PER CREARE UN UNICO TAGLIENTE

Helical cutter - closely spaced knives to create a single cutting edge
Spiralförmiger mehrschneidiger Kopf - eng anliegende Wendschneidplatte zur Erzeugung einer einzigen Schneide
Cabezal helicoidal - cuchillas cercanas para crear un unico filo de corte

171

PT 056 HSS



TESTA PER FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

Finishing cutterhead - SIMPLE-LOCK Reversible knife Centrolock
Hobelmesserkopf - SIMPLE-LOCK mit Centrolock Wendschneidplatte
Cabezal para acabado - SIMPLE-LOCK Cuchilla reversible Centrolock

172

PT 056 HW



TESTA PER FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

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

173

PT 057 HSS



TESTA PER SGROSSATURA E FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

SIMPLE LOCK roughing and finishing cutterhead with Centrolock reversible knives
SIMPLE-LOCK Shrupp- und Schlichtkopf mit Centrolock Wendschneidplatte
Cabezal de desbaste y acabado SIMPLE-LOCK con cuchilla reversible

174

PT 057 HW



TESTA PER SGROSSATURA E FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

SIMPLE LOCK roughing and finishing cutterhead with Centrolock reversible knives
SIMPLE-LOCK Shrupp- und Schlichtkopf mit Centrolock Wendschneidplatte
Cabezal de desbaste y acabado SIMPLE-LOCK con cuchilla reversible

175

PT 058



TESTA ELICOIDALE A TAGLIO DIFFERENZIATO

Helical cutterhead with different cuts
Spiralmesserkopf mit verschiedenen Schneiden
Cabezal helicoidal de cortes diferente

176

PT 060



TESTA PER FINITURA COLTELLO REVERSIBILE BULLDOZER

Finishing cutterhead - Reversible knife Bulldozer
Hobelmesserkopf - mit Bulldozer Wendschneidplatte
Cabezal para acabado - Cuchilla reversible Bulldozer

177

PT 061**TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD
COLTELLO REVERSIBILE BULLDOZER**

Cutterhead with standard inserts for rounding and bevelling - Reversible knife Bulldozer
Hobelmesserkopf mit standard Kanten oder Runden Wendeplatte - mit Bulldozer Wendschneidplatte
Cabezal con insertos estándar para rayar y biselar - Cuchilla reversible Bulldozer

178**PT 070****TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD
COLTELLO 30×3 O 35×3**

Cutterhead with standard inserts for rounding and bevelling - Knife 30×3 or 35×3
Hobelmesserkopf mit standard Kanten oder Runden Wendeplatte - mit Messer vom 30×3 oder 35×3
Cabezal con insertos estándar para rayar y biselar Cuchilla de 30×3 o 35×3

180**PT 071****TESTA CON INSERTI RAGGIATORI O SPIGOLATORI SPECIALI
COLTELLO 30×3 O 35×3**

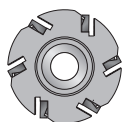
Cutterhead with special inserts for rounding and bevelling - Knife 30×3 or 35×3
Hobelmesserkopf mit standard Kanten oder Runden Wendeplatte - mit Messer vom 30×3 oder 35×3
Cabezal con insertos especiales para rayar y biselar - Cuchilla de 30×3 o 35×3

182**PT 080****TESTA STANDARD Z4/Z6/Z8 COLTELLO 30×3 O 35×3**

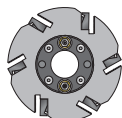
Standard cutterhead Z4/Z6/Z8 - Knife 30×3 o 35×3
Standard Messerkopf Z4/Z6/Z8 - mit Messer vom 30×3 oder 35×3
Cabezal estándar Z4/Z6/Z8 - Cuchilla de 30×3 o 35×3

184**PT 081****TESTA HYDRO STANDARD Z4/Z6/Z8 COLTELLO 30×3 O 35×3**

Standard Hydro cutter head Z4/Z6/Z8 Knife 30×3 o 35×3
Standard Hydro Messerkopf Z4/Z6/Z8 Messer vom 30×3 oder 35×3
Cabezal hidro estándar Z4/Z6/Z8 Cuchilla de 30×3 o 35×3

186**PT 090****TESTA CON PROFILO SAGOMATO Z4/Z6/Z8
COLTELLO ZIGRINATO S=8/10 mm**

Profiled cutterhead Z4/Z6/Z8 - Corrugated Knife S=8/10 mm
Profiliertes Messerkopf Z4/Z6/Z8 - Rückenverzahnte Blanketts Messer S=8/10 mm
Cabezal perfilado Z4/Z6/Z8 - Cuchilla corrugada S=8/10 mm

188**PT 091****TESTA HYDRO CON PROFILO SAGOMATO Z4/Z6/Z8
COLTELLO ZIGRINATO SP=8-10mm**

Profiled Hydro cutterhead Z4/Z6/Z8 - Corrugated Knife S=8/10 mm
Profiliertes Hydro Messerkopf Z4/Z6/Z8 - Rückenverzahnte Blanketts Messer S=8/10 mm
Cabezal Hidro perfilado Z4/Z6/Z8 - Cuchilla corrugada S=8/10 mm

190

CALCOLO DEL PASSO DEL TAGLIENTE F_z :

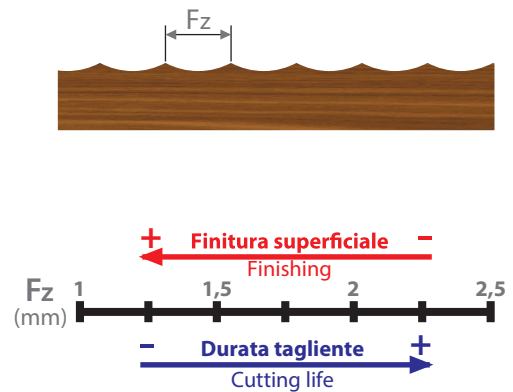
La dimensione di F_z dipende da:

- Rotazioni albero = n (giri/min)
- Velocità di avanzamento = V_a (m/min)
- Numero di denti = Z

TO CALCULATE CUTTING PITCH " F_z ":

The " F_z " is calculating on:

- Arbor rotation = n (rpm)
- Feed rate = V_a (m/min)
- Number of teeth = Z



$$F_z = \frac{V_a \times 1000}{n \times Z} = \text{mm}$$

ATTENZIONE :

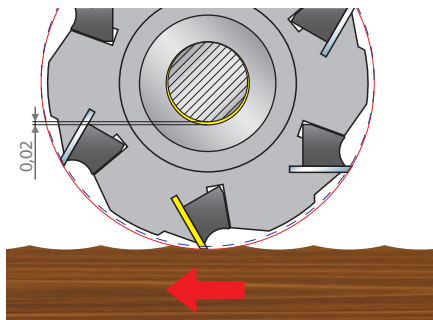
Nel caso di utensili montati direttamente su albero la formula è TEORICA perché esiste una differenza tra il diametro dell'albero e quello del foro dell'utensile (0,02 nel caso di tolleranza H7). Questa differenza fa sì che la rotazione dell'utensile sia eccentrica e quindi 1 dente lavora più in profondità degli altri e determina il passo effettivo del tagliente (f_z), 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 :

In the case of tools mounted directly on the spindle, the formula is theoretical because there is a difference between the spindle diameter and the tool bore diameter (0.02 mm in the case of an H7 tolerance).

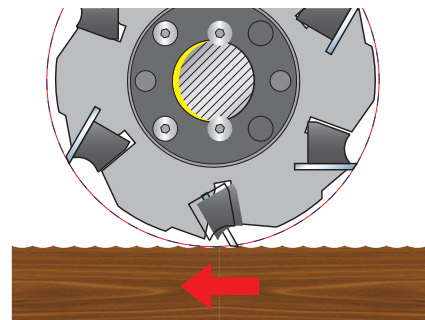
This difference causes the tool to rotate eccentrically, meaning that one tooth cuts deeper than the others, determining the actual cutting feed per tooth (f_z), regardless of the number of teeth on the tool.

To eliminate this issue, an Hydro bushing must be used. By expanding, it eliminates the H7 tolerance, ensuring that the tool runs perfectly centered. This allows for higher feed rates while achieving a good surface finish.



Montaggio diretto su albero
Tool assembly directly on machine spindle

--- TEORICA
Theoric
— REALE
Real



Montaggio su boccia Hydro
Tool assembly on Hydro sleeve

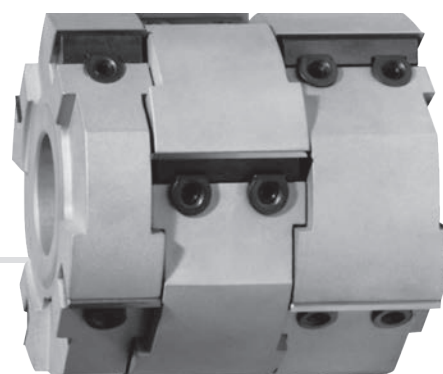
PT 010

TESTA MODULARE

Modular cutterhead
Modularmesserkopf
Cabezal modular

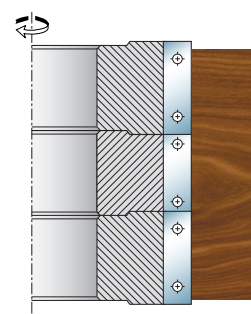
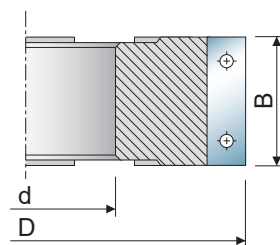
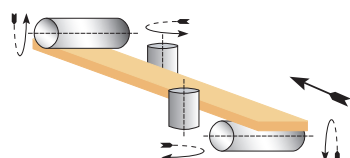
CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

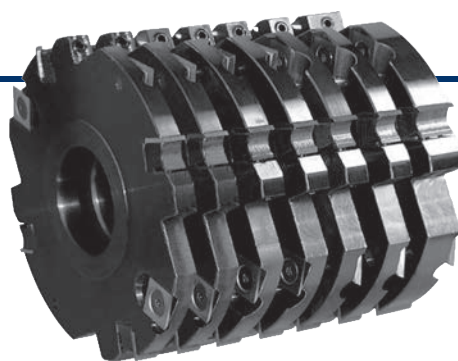
DISTINTA BASE / Bill of Materials

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	30x12x1,5	CGZ211	4	/	6	/	6	/	6	/
Coltello / Knife	50x12x1,5	CGZ215	/	4	/	6	/	6	/	6
Cuneo / Wedge	26x15x8	CU002	4	/	6	/	6	/	6	/
Cuneo / Wedge	46x15x8	CU004	/	4	/	6	/	6	/	6
Ogiva / Nut	Ø13x9	OG001	4	4	12	12	12	12	12	12
Vite per Ogiva / Nut's Screw	M8x22	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

PT 020

GRUPPO DI TESTE PER PIANO RIGATO

Tool set for scored surface
Werkzeugsatz für geriefelte Fläche
Juego de cabezales para plano rayado

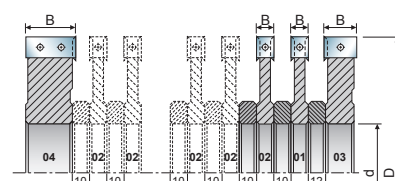


FRESE PT
PT CUTTERS

CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	PESO Kg
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MACCHINARI SCM - WEINIG

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

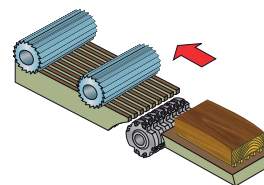
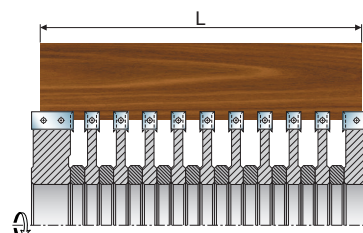


ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

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



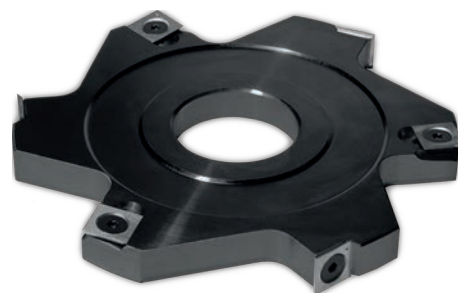
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT020			
			01	02	03	04
Coltello / Knife	8,6x12x1,5	CGZ203	4	/	/	/
Coltello / Knife	9,6x12x1,5	CGZ204	/	4	/	/
Coltello / Knife	20x12x1,5	CGZ207	/	/	4	/
Coltello / Knife	40x12x1,5	CGZ213	/	/	/	4
Rasante / Spur	14x14x2	RAS02	4	4	2	2
Cuneo / Wedge	8x12x10	CU082	4	/	/	/
Cuneo / Wedge	9x12x10	CU008	/	4	/	/
Cuneo / Wedge	18x12x10	CU083	/	/	4	4
Vite per Rasante / Spur's Screw	M5x6,5 Ø9	VT064	4	4	2	2
Vite per Cuneo / Wedge's Screw	M6x16	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

PT 025

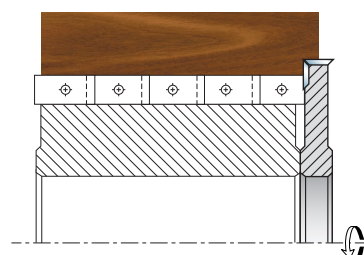
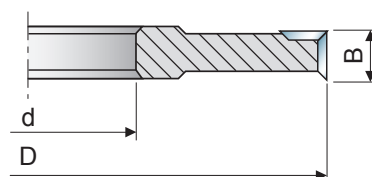
TESTA PER SEDE GUIDA LATERALE

Cutterhead for lateral guide
Kopf für Seitenschiene
Cabezal para ranura por guía lateral



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT025		
			01	02	03
Rasante / Spur	14x14x2	RAS02	6	6	6
Vite per Rasante / Spur's Screw	M5x6,5 Ø9	VT064	6	6	6
Chiave per Rasante / Spur's Key	Torx 20	TK020	1	1	1

PT 030

TESTA MULTITAGLIANTE 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

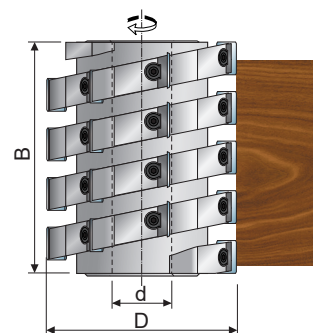
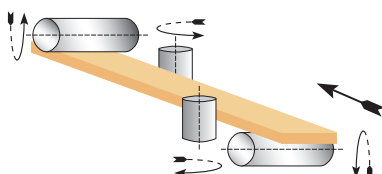
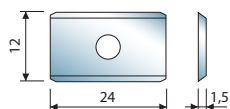
* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	24x12x1,5	CRAB01	18	30	12	21	24	27	30	36	39	
Cuneo / Wedge	21x15x 8	CU005	18	30	12	21	24	27	30	36	39	
Ogiva / Nut	Ø13x9	OG001	18	30	12	21	24	27	30	36	39	
Vite per Ogiva / Nut's Screw	M8x22	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	

PT 040

TESTA MULTITAGLIANTE 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**

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

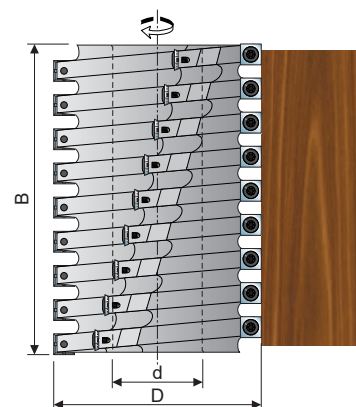
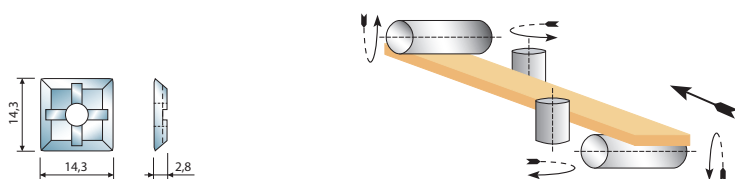
Cuerpo en aleación ligera, no utilizar sosa cáustica

ESEMPLI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



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	01/02	03/04	CODICE PT040 05/06	07/08	09/10	11/12
Coltello / Knife	14,3x14,3x2,8	CRC01	45	30	36	45	54	57
Vite per Coltello / Knife's Screw	M5x10,2 Ø10,5	VT004	45	30	36	45	54	57
Chiave per Coltello / Knife's Key	Torx 20	TK020	1	1	1	1	1	1

PT 045

TESTA MULTITAGLIANTE ELICOIDALE - COLTELLO REVERSIBILE 14×14×2

Helical multi-cutting head - Reversible knife 14×14×2

Spiralförmiger mehrschneidiger Kopf - Wendeschneidplatte 14×14×2

Cabezal helicoidal multidientes - Cuchilla reversible 14×14×2

* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

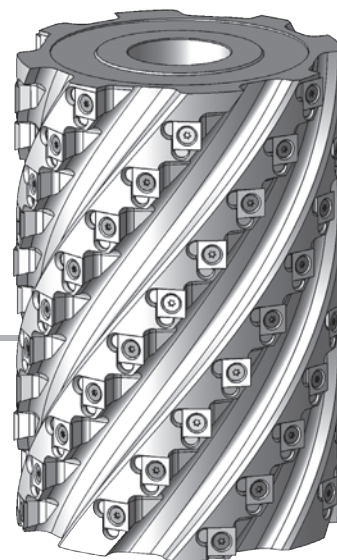
Cuerpo en aleación ligera, no utilizar sosa cáustica

A RICHIESTA ANCHE CON CORPO IN ACCIAIO

Steel body available on request

Stahlkörper auf Anfrage erhältlich

A petición también con cuerpo en acero

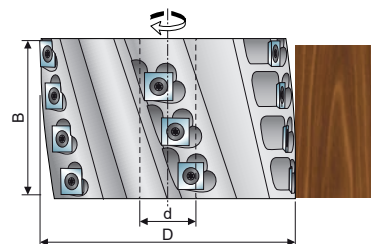
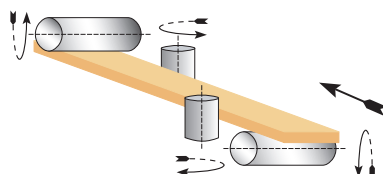
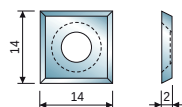


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



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	01	02	03	CODICE PT045							
			04/08	05/10	06/11	07	09	12	13				
Coltello / Knife	14×14×2	RAS02	14	16	20	30	39	45	24	33	51	57	
Vite per Coltello / Knife's Screw	M5×6,5 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	

PT 050

TESTA MULTITAGLIANTE 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

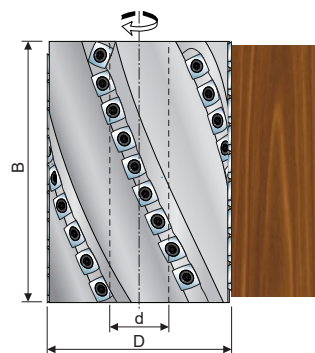
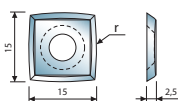
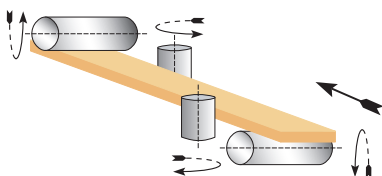


* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

A RICHIESTA ANCHE CON CORPO IN ACCIAIO

Steel body available on request
Stahlkörper auf Anfrage erhältlich
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	01	02	03	04	05	06	07	08
Coltello / Knife	15x15x2,5 r150	CRB01	/	/	36	54	24	39	54	72
Coltello / Knife	15x15x2,5 r50	CRB02	16	24	/	/	/	/	/	/
Rasante / Spur	14x14x2	RAS02	2	2	/	/	/	/	/	/
Vite per Coltello / Knife's Screw	M5x12,5 Ø9	VT051	16	24	36	54	54	39	54	72
Vite per Rasante / Spur's Screw	M5x6,5 Ø9	VT064	2	2	/	/	/	/	/	/
Chiave per Coltello / Knife's Key	Torx 20	TK020	1	/	1	1	1	1	1	1

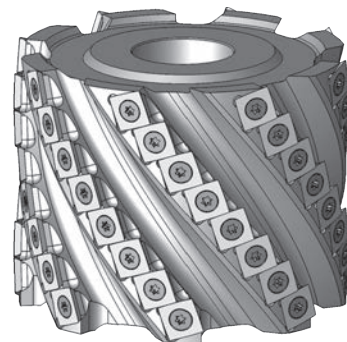
PT 053

TESTA ELICOIDALE COLTELLI RAVVICINATI PER CREARE UN UNICO TAGLIANTE

Helical cutter - closely spaced knives to create a single cutting edge

Spiralförmiger mehrschneidiger Kopf - eng anliegende
Wendeschneidplatte zur Erzeugung einer einzigen Schneide

Cabezal helicoidal - cuchillas cercanas para crear
un unico filo de corte



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

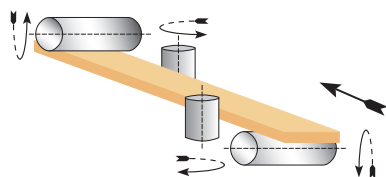
Cuerpo en aleación ligera, no utilizar sosa cáustica

A RICHIESTA ANCHE CON CORPO IN ACCIAIO

Steel body available on request

Stahlkörper auf Anfrage erhältlich

A petición también con cuerpo en acero

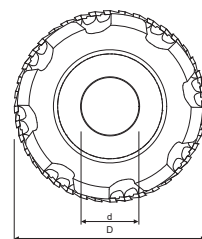
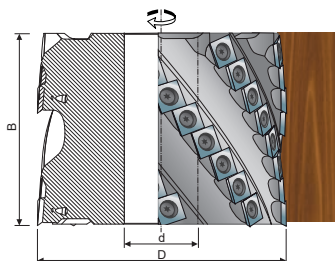
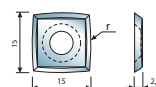


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05301	LEGA LEGGERA*	125	76,5	40	3
PT05302	LEGA LEGGERA*	125	114	40	3
PT05303	LEGA LEGGERA*	125	127	40	3
PT05304	LEGA LEGGERA*	125	164	40	3
PT05305	LEGA LEGGERA*	125	177	40	3
PT05306	LEGA LEGGERA*	125	201	40	3
PT05307	LEGA LEGGERA*	125	214	40	3
PT05308	LEGA LEGGERA*	125	226	40	3
PT05309	LEGA LEGGERA*	125	76,5	40	4
PT05310	LEGA LEGGERA*	125	114	40	4
PT05311	LEGA LEGGERA*	125	127	40	4
PT05312	LEGA LEGGERA*	125	164	40	4
PT05313	LEGA LEGGERA*	125	177	40	4
PT05314	LEGA LEGGERA*	125	201	40	4
PT05315	LEGA LEGGERA*	125	214	40	4
PT05316	LEGA LEGGERA*	125	226	40	4

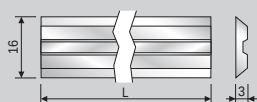
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Coltello / Knife	15x15x2.5	CRB01	18	27	30	39	42	48	51	54	24	36	40	52	56	64	68	72
Vite per coltello / Knife's screw	M5x12.5 Ø9	VT051	18	27	30	39	42	48	51	54	24	36	40	52	56	64	68	72
Chiave per coltello / Knife's Key	Torx 20	TK020	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PT 056 HSS

TESTA PER FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

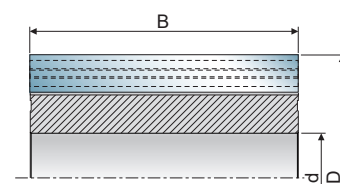
Finishing cutterhead - SIMPLE-LOCK Reversible knife Centrolock
Hobelmesserkopf - SIMPLE-LOCK mit Centrolock Wendeschneidplatte
Cabezal para acabado - SIMPLE-LOCK Cuchilla reversible Centrolock



CCL - HSS 18%

*** CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA**

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05601-HSS	ACCIAIO	125	80	40	4
PT05602-HSS	ACCIAIO	125	130	40	4
PT05603-HSS	ACCIAIO	125	160	40	4
PT05604-HSS	ACCIAIO	125	230	40	4
PT05605-HSS	ACCIAIO	140	80	40	6
PT05606-HSS	ACCIAIO	140	130	40	6
PT05607-HSS	ACCIAIO	140	160	40	6
PT05608-HSS	ACCIAIO	140	230	40	6
PT05609-HSS	LEGA LEGG.*	125	80	40	4
PT05610-HSS	LEGA LEGG.*	125	130	40	4
PT05611-HSS	LEGA LEGG.*	125	160	40	4
PT05612-HSS	LEGA LEGG.*	125	230	40	4
PT05613-HSS	LEGA LEGG.*	140	80	40	6
PT05614-HSS	LEGA LEGG.*	140	130	40	6
PT05615-HSS	LEGA LEGG.*	140	160	40	6
PT05616-HSS	LEGA LEGG.*	140	230	40	6

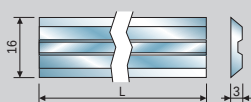
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT056-HSS							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	80x14x12	CU180	4	/	/	/	6	/	/	/
Cuneo / Wedge	130x14x12	CU181	/	4	/	/	/	6	/	/
Cuneo / Wedge	160x14x12	CU182	/	/	4	/	/	/	6	/
Cuneo / Wedge	230x14x12	CU183	/	/	/	4	/	/	/	6
Molla / Spring	Ø7x20	MOL02	8	8	8	8	12	12	12	12
Vite per Ogiva / Nut's Screw	M8x17 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

PT 056 HW

TESTA PER FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

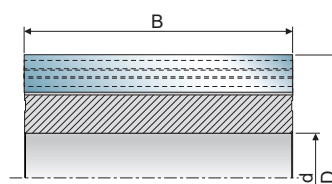
Finishing cutter head - SIMPLE-LOCK Reversible knife Centrolock
Schlichtkopf - SIMPLE-LOCK Wendeschneidplatte Centrolock
Cabezal para acabado - SIMPLE-LOCK Cuchilla reversible Centrolock



CCL - HW

*** CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA**

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



FRESE PT
PT CUTTERS

CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05601-HW	ACCIAIO	125	80	40	4
PT05602-HW	ACCIAIO	125	130	40	4
PT05603-HW	ACCIAIO	125	160	40	4
PT05604-HW	ACCIAIO	125	230	40	4
PT05605-HW	ACCIAIO	140	80	40	6
PT05606-HW	ACCIAIO	140	130	40	6
PT05607-HW	ACCIAIO	140	160	40	6
PT05608-HW	ACCIAIO	140	230	40	6
PT05609-HW	LEGA LEGG.*	125	80	40	4
PT05610-HW	LEGA LEGG.*	125	130	40	4
PT05611-HW	LEGA LEGG.*	125	160	40	4
PT05612-HW	LEGA LEGG.*	125	230	40	4
PT05613-HW	LEGA LEGG.*	140	80	40	6
PT05614-HW	LEGA LEGG.*	140	130	40	6
PT05615-HW	LEGA LEGG.*	140	160	40	6
PT05616-HW	LEGA LEGG.*	140	230	40	6

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT056-HW							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	80x14x12	CU180	4	/	/	/	6	/	/	/
Cuneo / Wedge	130x14x12	CU181	/	4	/	/	/	6	/	/
Cuneo / Wedge	160x14x12	CU182	/	/	4	/	/	/	6	/
Cuneo / Wedge	230x14x12	CU183	/	/	/	4	/	/	/	6
Molla / Spring	Ø7x20	MOL02	8	8	8	8	12	12	12	12
Vite per Ogiva / Nut's Screw	M8x17 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

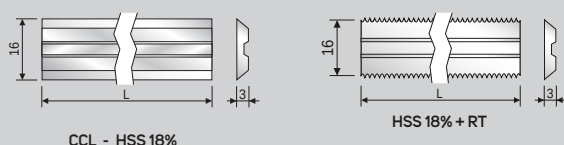
PT 057 HSS

TESTA PER SGROSSATURA E FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

SIMPLE LOCK roughing and finishing cutterhead
with Centrolock reversible knives

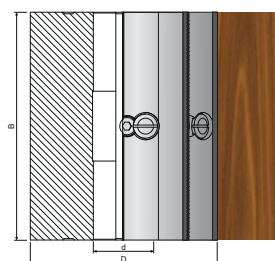
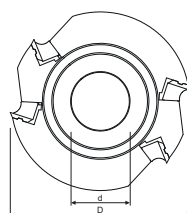
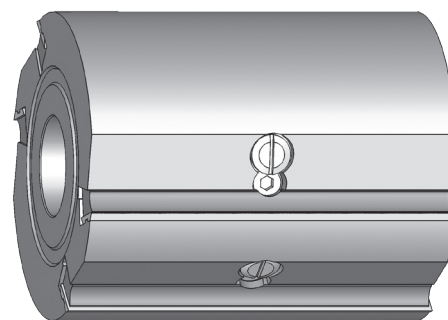
SIMPLE-LOCK Shrupp- und Schlichtkopf
mit Centrolock Wendeschneidplatte

Cabezal de desbaste y acabado SIMPLE-LOCK
con cuchilla reversible



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05701-HSS	ACCIAIO	125	80	40	2+2
PT05702-HSS	ACCIAIO	125	130	40	2+2
PT05703-HSS	ACCIAIO	125	160	40	2+2
PT05704-HSS	ACCIAIO	125	230	40	2+2
PT05705-HSS	ACCIAIO	140	80	40	3+3
PT05706-HSS	ACCIAIO	140	130	40	3+3
PT05707-HSS	ACCIAIO	140	160	40	3+3
PT05708-HSS	ACCIAIO	140	230	40	3+3
PT05709-HSS	LEGA LEGG.*	125	80	40	2+2
PT05710-HSS	LEGA LEGG.*	125	130	40	2+2
PT05711-HSS	LEGA LEGG.*	125	160	40	2+2
PT05712-HSS	LEGA LEGG.*	125	230	40	2+2
PT05713-HSS	LEGA LEGG.*	140	80	40	3+3
PT05714-HSS	LEGA LEGG.*	140	130	40	3+3
PT05715-HSS	LEGA LEGG.*	140	160	40	3+3
PT05716-HSS	LEGA LEGG.*	140	230	40	3+3

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE PT057-HSS							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	80x14x12	CU180	4	/	/	/	6	/	/	/
Cuneo / Wedge	130x14x12	CU181	/	4	/	/	/	6	/	/
Cuneo / Wedge	160x14x12	CU182	/	/	4	/	/	/	6	/
Cuneo / Wedge	230x14x12	CU183	/	/	/	4	/	/	/	6
Molla / Spring	Ø7x20	MOL02	8	8	8	8	12	12	12	12
Vite per Cuneo / Wedge's Screw	M8x17 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

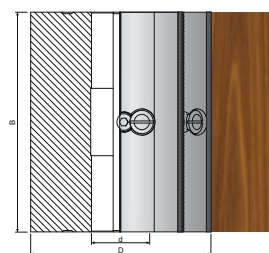
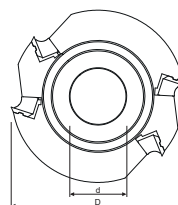
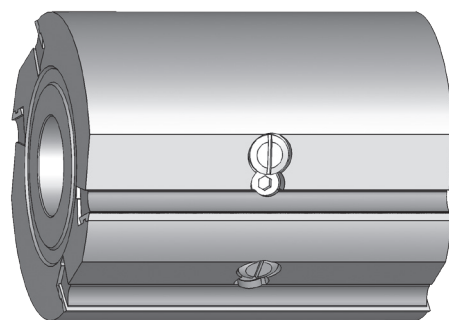
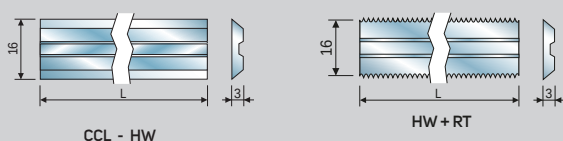
PT 057 HW

TESTA PER SGROSSATURA E FINITURA SIMPLE-LOCK COLTELLO REVERSIBILE CENTROLOCK

SIMPLE LOCK roughing and finishing cutterhead
with Centrolock reversible knives

SIMPLE-LOCK Shrupp- und Schlichtkopf
mit Centrolock Wendeschneidplatte

Cabezal de desbaste y acabado SIMPLE-LOCK
con cuchilla reversible



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

Cuerpo en aleación ligera, no utilizar sosa cáustica

FRESE PT
PT CUTTERS

CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05701-HW	ACCIAIO	125	80	40	2+2
PT05702-HW	ACCIAIO	125	130	40	2+2
PT05703-HW	ACCIAIO	125	160	40	2+2
PT05704-HW	ACCIAIO	125	230	40	2+2
PT05705-HW	ACCIAIO	140	80	40	3+3
PT05706-HW	ACCIAIO	140	130	40	3+3
PT05707-HW	ACCIAIO	140	160	40	3+3
PT05708-HW	ACCIAIO	140	230	40	3+3
PT05709-HW	LEGA LEGG.*	125	80	40	2+2
PT05710-HW	LEGA LEGG.*	125	130	40	2+2
PT05711-HW	LEGA LEGG.*	125	160	40	2+2
PT05712-HW	LEGA LEGG.*	125	230	40	2+2
PT05713-HW	LEGA LEGG.*	140	80	40	3+3
PT05714-HW	LEGA LEGG.*	140	130	40	3+3
PT05715-HW	LEGA LEGG.*	140	160	40	3+3
PT05716-HW	LEGA LEGG.*	145	230	40	3+3

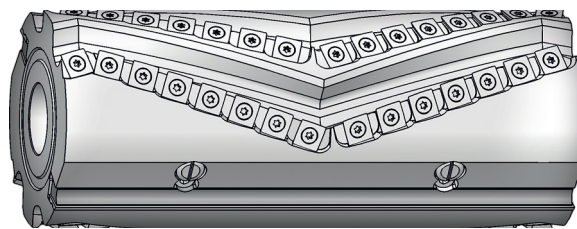
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE PT057-HW							
			01/09	02/10	03/11	04/12	05/13	06/14	07/15	08/16
Cuneo / Wedge	80x14x12	CU180	4	/	/	/	6	/	/	/
Cuneo / Wedge	130x14x12	CU181	/	4	/	/	/	6	/	/
Cuneo / Wedge	160x14x12	CU182	/	/	4	/	/	/	6	/
Cuneo / Wedge	230x14x12	CU183	/	/	/	4	/	/	/	6
Molla / Spring	Ø7x20	MOL02	8	8	8	8	12	12	12	12
Vite per Cuneo / Wedge's Screw	M8x17 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

PT 058

TESTA ELICOIDALE A TAGLIO DIFFERENZIATO

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

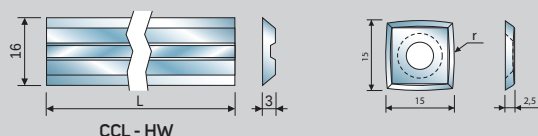


* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica

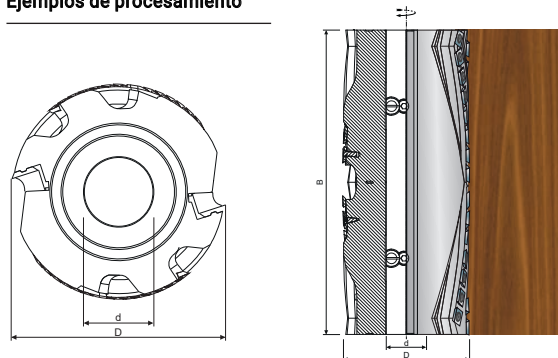
A RICHIESTA ANCHE CON CORPO IN ACCIAIO

Steel body available on request
Stahlkörper auf Anfrage erhältlich
A petición también con cuerpo en acero



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z
PT05801	LEGA LEGG.*	125	89	40	2+4
PT05802	LEGA LEGG.*	125	108	40	2+4
PT05803	LEGA LEGG.*	125	127	40	2+4
PT05804	LEGA LEGG.*	125	146	40	2+4
PT05805	LEGA LEGG.*	125	165	40	2+4
PT05806	LEGA LEGG.*	125	184	40	2+4
PT05807	LEGA LEGG.*	125	203	40	2+4
PT05808	LEGA LEGG.*	125	222	40	2+4
PT05809	LEGA LEGG.*	125	241	40	2+4

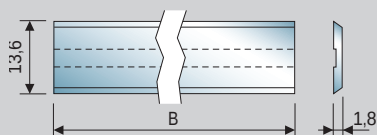
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06	07	08	09
Coltello / Knife	15x15x2.5	CRB01	16	20	24	28	32	36	40	44	48
Cuneo / Wedge	89x14x12	CU218	2	/	/	/	/	/	/	/	/
Cuneo / Wedge	108x14x12	CU219	/	2	/	/	/	/	/	/	/
Cuneo / Wedge	127x14x12	CU220	/	/	2	/	/	/	/	/	/
Cuneo / Wedge	146x14x12	CU221	/	/	/	2	/	/	/	/	/
Cuneo / Wedge	165x14x12	CU222	/	/	/	/	2	/	/	/	/
Cuneo / Wedge	184x14x12	CU223	/	/	/	/	/	2	/	/	/
Cuneo / Wedge	203x14x12	CU224	/	/	/	/	/	/	2	/	/
Cuneo / Wedge	222x14x12	CU225	/	/	/	/	/	/	/	2	/
Cuneo / Wedge	241x14x12	CU226	/	/	/	/	/	/	/	/	2
Molla / Spring	Ø7x20	MOL02	4	4	4	4	4	4	4	4	4
Vite per ogiva / Nut's Screw	M3.5x7.3 Ø9	VT080	2	2	2	2	2	2	4	4	4
Vite per coltello / Knife's screw	M5x12.5 Ø9	VT051	16	20	24	28	32	36	40	44	48
Chiave per ogiva / Nut's Key	Esagonale 4	CH004	1	1	1	1	1	1	1	1	1
Chiave per coltello / Knife's Key	Torx 20	TK020	1	1	1	1	1	1	1	1	1

PT 060

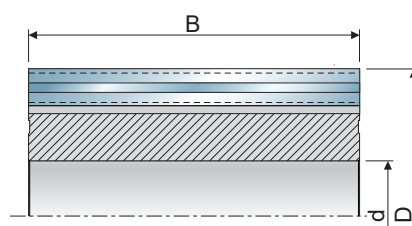
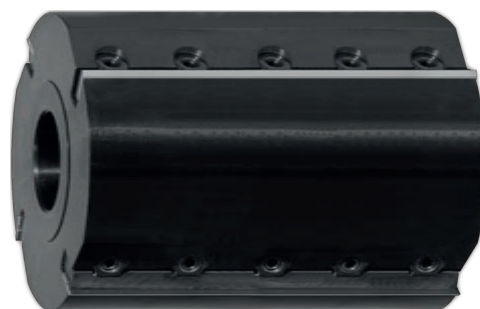
TESTA PER FINITURA COLTELLO REVERSIBILE BULLDOZER

Finishing cutterhead - Reversible knife Bulldozer
Hobelmesserkopf - mit Bulldozer Wendschneidplatte
Cabezal para acabado - Cuchilla reversible Bulldozer



*** CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA**

Light alloy body, do not use caustic soda
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
Cuerpo en aleación ligera, no utilizar sosa cáustica



FRESE PT
PT CUTTERS

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	80x13,6x1,8	CBZ03	4	/	/	/	6	/	/	/
Coltello / Knife	130x13,6x1,8	CBZ07	/	4	/	/	/	6	/	/
Coltello / Knife	160x13,6x1,8	CBZ10	/	/	4	/	/	/	6	/
Coltello / Knife	230x13,6x1,8	CBZ15	/	/	/	4	/	/	/	6
Cuneo / Wedge	78x15x8	CU057	4	/	/	/	6	/	/	/
Cuneo / Wedge	128x15x8	CU059	/	4	/	/	/	6	/	/
Cuneo / Wedge	158x15x8	CU060	/	/	4	/	/	/	6	/
Cuneo / Wedge	228x15x8	CU063	/	/	/	4	/	/	/	6
Ogiva / Nut	Ø13x9	OG001	12	16	20	24	18	24	30	36
Vite per Ogiva / Nut's Screw	M10x20	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

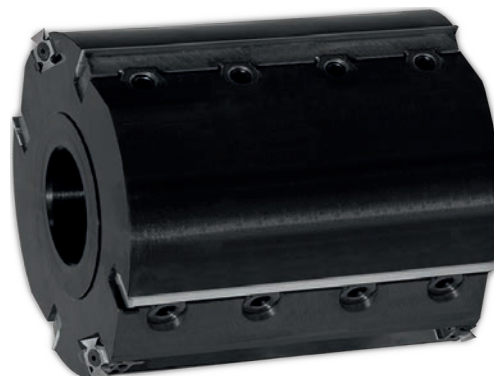
PT 061

TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD - COLTELLO REVERSIBILE BULLDOZER

Cutterhead with standard inserts for rounding and bevelling - Reversible knife Bulldozer

Hobelmesserkopf mit standard Kanten oder Runden
Wendeplatte - mit Bulldozer Wendeschneidplatte

Cabezal con insertos estándar para rayar
y biselar - Cuchilla reversible Bulldozer



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

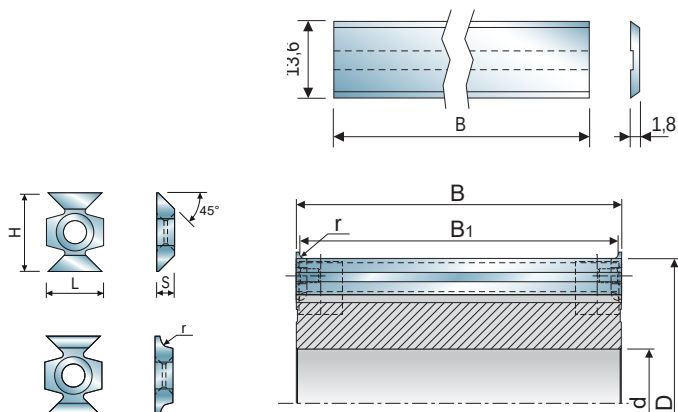
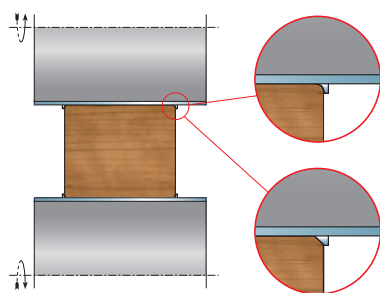
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT061							
			01/09	02/10	03/11	04/12	05/13/17	06/14/18	07/15/19	08/16/20
Coltello / Knife	80x13,6x1,8	CBZ03	4	/	/	/	6	/	/	/
Coltello / Knife	130x13,6x1,8	CBZ07	/	4	/	/	/	6	/	/
Coltello / Knife	160x13,6x1,8	CBZ10	/	/	4	/	/	/	6	/
Coltello / Knife	220x13,6x1,8	CBZ14	/	/	/	4	/	/	/	6
Cuneo / Wedge	78x15x8	CU057	4	/	/	/	6	/	/	/
Cuneo / Wedge	128x15x8	CU059	/	4	/	/	/	6	/	/
Cuneo / Wedge	158x15x8	CU060	/	/	4	/	/	/	6	/
Cuneo / Wedge	218x15x8	CU062	/	/	/	4	/	/	/	6
Supporto Reg. / Adjustable Support	17x27 H14,5	CAR01	4	4	4	4	4	4	4	4
Vite per Inserto / Insert's Screw	M5x10 Ø10	VT003	4	4	4	4	4	4	4	4
Vite per Supp. Reg. / Support's Screw	M6x16	VT006	8	8	8	8	8	8	8	8
Ogiva / Nut	Ø13x9	OG001	12	16	20	24	18	24	30	36
Vite per Ogiva / Nut's Screw	M8x22	VT001	12	16	20	24	18	24	30	36
Strum. di Reg. / Regulation instrument	Ø40/12x180	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									
			01/11	02/12	03/13	04/14	05/15	06/16	07/17	08/18	09/19	10/20
Inserto Smuss. / Beveling Insert	22x16x5 45°	SPF01	4	4	4	4	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r1,5	SPF02	4	4	4	4	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r2	SPF03	4	4	4	4	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r3	SPF04	4	4	4	4	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x6 r5	SPF06	4	4	4	4	4	4	4	4	4	4

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use
caustic soda

Körper aus Leichtmetall-Legierung,
kein Ätznatron verwenden

Cuerpo en aleación ligera,
no utilizar sosa cáustica

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.

I COLTELLI NON SONO INCLUSI NELLA TESTA

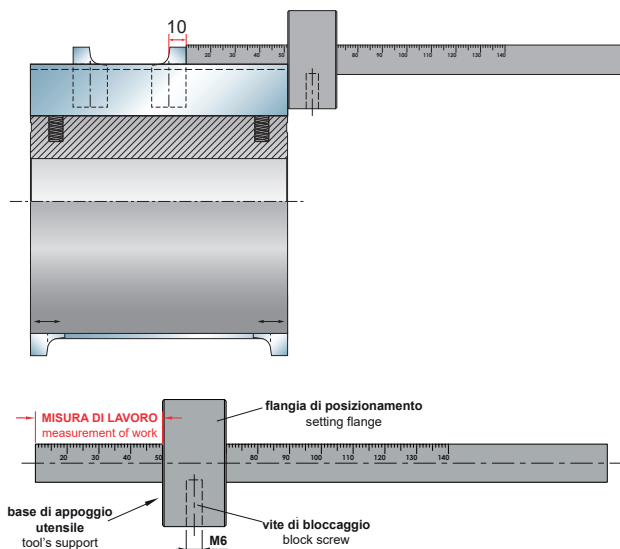
Knives are not included with the heads.

Die Köpfe werden ohne Messer geliefert

Los cabezales vienen sin cuchillas

STRUMENTO DI REGOLAZIONE

Regulation Instrument
Einstellwerkzeug



- 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

PT 070

TESTA CON INSERTI RAGGIATORI O SPIGOLATORI STANDARD - COLTELLO 30×3 o 35×3

Cutterhead with standard inserts for rounding and bevelling - Knife 30×3 or 35×3

Hobelmesserkopf mit standard Kanten oder Runden Wendplatte - mit Messer vom 30×3 oder 35×3

Cabezal con insertos estándar para rayar y biselar
Cuchilla de 30×3 o 35×3



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	B ₁ 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

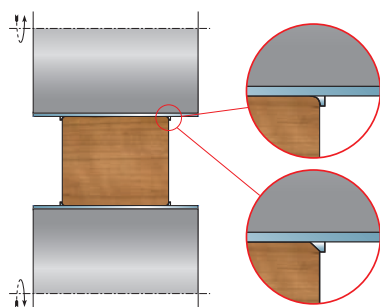
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT070					
			01/07	02/08	03/09	04/10	05/11	06/12
Cuneo / Wedge	78×25×10	CU112	4	/	/	/	4	/
Cuneo / Wedge	128×25×10	CU115	/	4	/	/	/	4
Cuneo / Wedge	158×25×10	CU117	/	/	4	/	/	/
Cuneo / Wedge	218×25×10	CU119	/	/	/	4	/	/
Molla / Spring	Ø7×32	MOL01	8	8	8	8	8	8
Supporto Reg. / Adjustable Support	17×27 H14,5	CAR01	4	4	4	4	4	4
Vite per Inserto / Insert's Screw	M5×10 Ø10	VT003	4	4	4	4	4	4
Vite per Supp. Reg. / Support's Screw	M6×16	VT006	8	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12×20	VT017	12	16	20	24	12	16
Strum. di Reg. / Regulation instrument	Ø40/12×180	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. / Beveling Insert	22x16x5 45°	SPF01	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r1,5	SPF02	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r2	SPF03	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x5 r3	SPF04	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	22x16x6 r5	SPF06	4	4	4	4	4	4

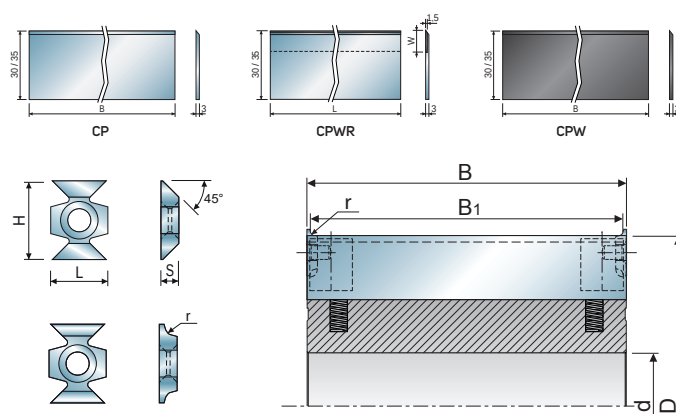
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



COLTELLI ORDINABILI

Knives to be ordered



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use
caustic soda

Körper aus Leichtmetall-Legierung,
kein Ätznatron verwenden

Cuerpo en aleación ligera,
no utilizar sosa cáustica

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.

I COLTELLI NON SONO INCLUSI NELLA TESTA

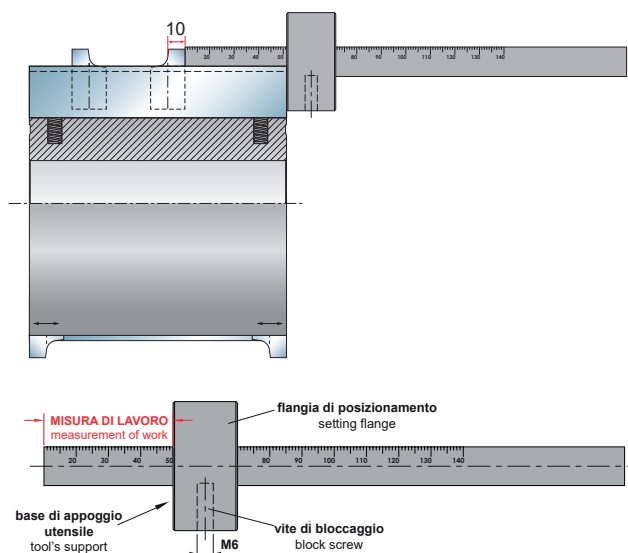
Knives are not included with the heads.

Die Köpfe werden ohne Messer geliefert

Los cabezales vienen sin cuchillas

STRUMENTO DI REGOLAZIONE

Regulation Instrument
Einstellwerkzeug



- 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

PT 071

TESTA CON INSERTI RAGGIATORI O SPIGOLATORI SPECIALI - COLTELLO 30×3 o 35×3

Cutterhead with special inserts for rounding and bevelling - Knife 30×3 or 35×3

Hobelmesserkopf mit standard Kanten oder Runden
Wendeplatte - mit Messer vom 30×3 oder 35×3

Cabezal con insertos especiales para rayar
y biselar - Cuchilla de 30×3 o 35×3



CODICE CODE	MATERIALE MATERIAL	D mm	D1 mm	B mm	B1 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

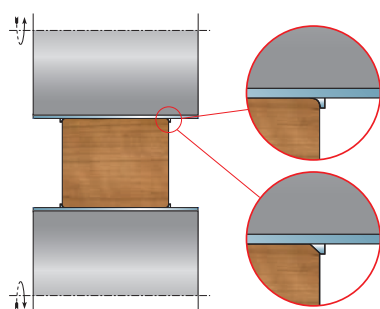
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/07	02/08	03/09	04/10	05/11	06/12
Cuneo / Wedge	78×25×10	CU112	4	/	/	/	4	/
Cuneo / Wedge	128×25×10	CU115	/	4	/	/	/	4
Cuneo / Wedge	158×25×10	CU117	/	/	4	/	/	/
Cuneo / Wedge	218×25×10	CU119	/	/	/	4	/	/
Molla / Spring	Ø7×32	MOL01	8	8	8	8	8	8
Supporto Ins. Reg. / Adjustable Insert Support	20×16 H18	CAR02	4	4	4	4	4	4
Vite per Supp. Ins. Reg. / Insert Support's Screw	M6×16	VT006	8	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12×20	VT017	12	12	16	20	12	12
Strumento di Reg. / Regulation instrument	Ø40/12×180	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. / Beveling Insert	35x20x8 45°	CSPS*	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35x20x8 r1,5	CSPS*	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35x20x8 r2	CSPS*	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35x20x8 r3	CSPS*	4	4	4	4	4	4
Inserto Ragg. / Rounding Insert	35x20x8 r5	CSPS*	4	4	4	4	4	4

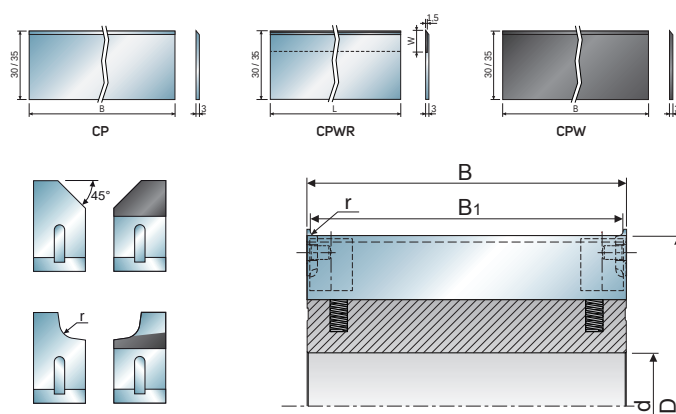
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



COLTELLI ORDINABILI

Knives to be ordered



* CORPO IN LEGA LEGGERA,
NON USARE SODA CAUSTICA

Light alloy body, do not use
caustic soda

Körper aus Leichtmetall-Legierung,
kein Ätznatron verwenden

Cuerpo en aleación ligera,
no utilizar sosa cáustica

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.

I COLTELLI NON SONO INCLUSI NELLA TESTA

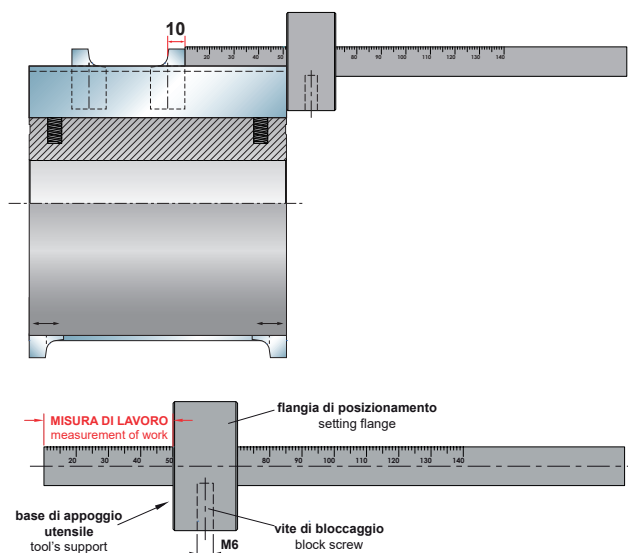
Knives are not included with the heads.

Die Köpfe werden ohne Messer geliefert

Los cabezales vienen sin cuchillas

STRUMENTO DI REGOLAZIONE

Regulation Instrument
Einstellwerkzeug



- 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

PT 080

TESTA STANDARD Z4/Z6/Z8 - COLTELLO 30×3 o 35×3

Standard cutterhead Z4/Z6/Z8
Knife 30×3 o 35×3

Standard Messerkopf Z4/Z6/Z8
mit Messer vom 30×3 oder 35×3

Cabezal estándar Z4/Z6/Z8
Cuchilla de 30×3 o 35×3



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

*** CORPO IN LEGA LEGGERA,
NON USARE SODA CAUSTICA**

Light alloy body, do not use
caustic soda

Körper aus Leichtmetall-Legierung,
kein Ätznatron verwenden

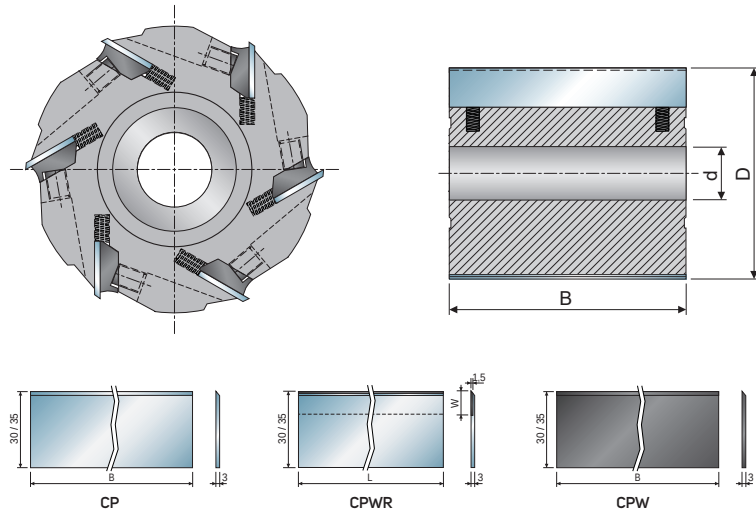
Cuerpo en aleación ligera,
no utilizar sosa cáustica

**A RICHIESTA ANCHE
CON CORPO IN ACCIAIO**

Steel body available on request
Stahlkörper auf Anfrage erhältlich
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 geliefert
Los cabezales vienen sin cuchillas



COLTELLI ORDINABILI

Knives to be ordered

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	98×25×10	CU113	4	/	/	/	/
Cuneo / Wedge	118×25×10	CU114	/	4	/	/	/
Cuneo / Wedge	148×25×10	CU116	/	/	4	/	/
Cuneo / Wedge	178×25×10	CU118	/	/	/	4	/
Cuneo / Wedge	228×25×10	CU120	/	/	/	/	4
Molla / Spring	Ø7×25	MOL01	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12×20	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	98×25×10	CU113	6	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	118×25×10	CU114	/	6	/	/	/	/	8	/	/	/
Cuneo / Wedge	148×25×10	CU116	/	/	6	/	/	/	/	8	/	/
Cuneo / Wedge	178×25×10	CU118	/	/	/	6	/	/	/	/	8	/
Cuneo / Wedge	228×25×10	CU120	/	/	/	/	6	/	/	/	/	8
Molla / Spring	Ø7×25	MOL01	12	12	12	12	12	16	16	16	16	16
Vite per Cuneo / Wedge's Screw	M12×20	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

PT 081

TESTA HYDRO STANDARD Z4/Z6/Z8 COLTELLO 30×3 o 35×3

Standard Hydro cutter head Z4/Z6/Z8
Knife 30×3 o 35×3

Standard Hydro Messerkopf Z4/Z6/Z8
mit Messer vom 30×3 oder 35×3

Cabezal Hydro estándar Z4/Z6/Z8
Cuchilla de 30×3 o 35×3



RICAMBI ORDINABILI		SPARE PARTS	
	VT024		VT025
VALVOLA DI INGRASSAGGIO GREASER VALVE		VITE DI SFIATO EXHAUST SCREW	
			GOR01
		GUARNIZIONE PER BUSSOLA O-RING'S BUSH	

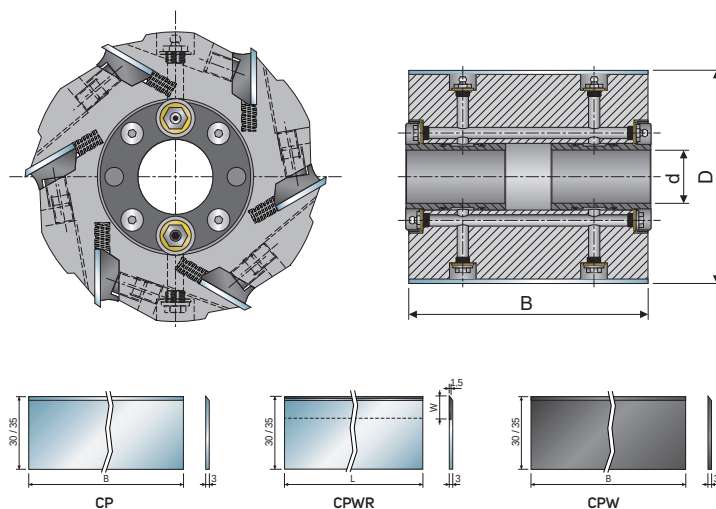
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	PESO Kg
PT08101	ACCIAIO	125	100	40	4	8,64
PT08102	ACCIAIO	125	120	40	4	10,37
PT08103	ACCIAIO	125	150	40	4	12,96
PT08104	ACCIAIO	125	180	40	4	15,56
PT08105	ACCIAIO	125	230	40	4	19,88
PT08106	ACCIAIO	140	100	40	4	11,09
PT08107	ACCIAIO	140	120	40	4	13,31
PT08108	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

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas

COLTELLI ORDINABILI

Knives to be ordered



FRESE PT
PT CUTTERS

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	98x25x10	CU113	4	/	/	/	/
Cuneo / Wedge	118x25x10	CU114	/	4	/	/	/
Cuneo / Wedge	148x25x10	CU116	/	/	4	/	/
Cuneo / Wedge	178x25x10	CU118	/	/	/	4	/
Cuneo / Wedge	228x25x10	CU120	/	/	/	/	4
Molla / Spring	Ø7x25	MOL01	8	8	8	8	8
Vite per Cuneo / Wedge's Screw	M12x20	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	98x25x10	CU113	6	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	118x25x10	CU114	/	6	/	/	/	/	8	/	/	/
Cuneo / Wedge	148x25x10	CU116	/	/	6	/	/	/	/	8	/	/
Cuneo / Wedge	178x25x10	CU118	/	/	/	6	/	/	/	/	8	/
Cuneo / Wedge	228x25x10	CU120	/	/	/	/	6	/	/	/	/	8
Molla / Spring	Ø7x25	MOL01	12	12	12	12	12	16	16	16	16	16
Vite per Cuneo / Wedge's Screw	M12x20	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

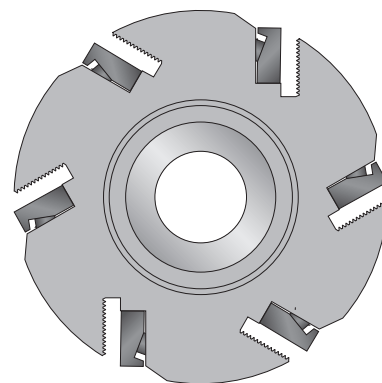
PT 090

TESTA CON PROFILO SAGOMATO Z4/Z6/Z8 COLTELLO ZIGRINATO S=8-10 mm

Profiled cutterhead Z4/Z6/Z8 - Corrugated Knife S=8/10 mm

Profiliertes Messerkopf Z4/Z6/Z8 - Rückenverzähnte
Blanketts Messer S=8/10 mm

Cabezal perfilado Z4/Z6/Z8 - Cuchilla corrugada S=8/10 mm



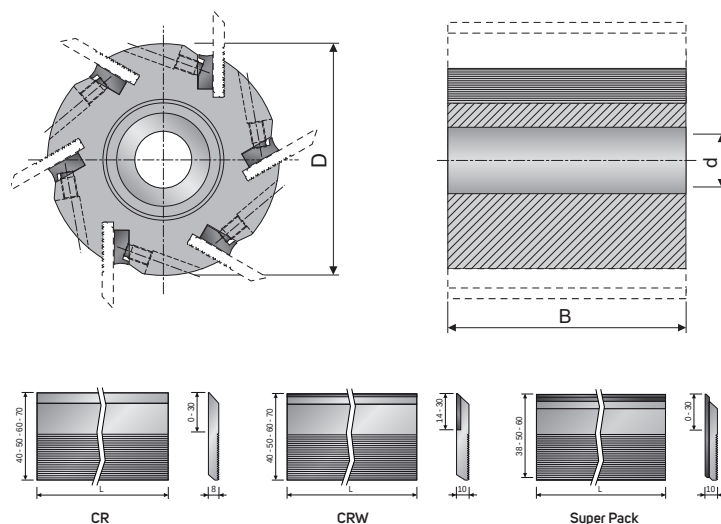
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	PESO Kg
PT09001	ACCIAIO	122	40	40	4	2,91
PT09002	ACCIAIO	122	60	40	4	4,37
PT09003	ACCIAIO	122	80	40	4	5,82
PT09004	ACCIAIO	122	100	40	4	7,28
PT09005	ACCIAIO	122	130	40	4	9,46
PT09006	ACCIAIO	122	150	40	4	10,91
PT09007	ACCIAIO	122	180	40	4	13,10
PT09008	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	130	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

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas

COLTELLI ORDINABILI

Knives to be ordered



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	38x24x10	CU132	4	/	/	/	/	/	/	/	/
Cuneo / Wedge	58x24x10	CU133	/	4	/	/	/	/	/	/	/
Cuneo / Wedge	78x24x10	CU134	/	/	4	/	/	/	/	/	/
Cuneo / Wedge	98x24x10	CU135	/	/	/	4	/	/	/	/	/
Cuneo / Wedge	128x24x10	CU136	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	148x24x10	CU137	/	/	/	/	/	4	/	/	/
Cuneo / Wedge	178x24x10	CU139	/	/	/	/	/	/	4	/	/
Cuneo / Wedge	198x24x10	CU140	/	/	/	/	/	/	/	4	/
Cuneo / Wedge	228x24x10	CU142	/	/	/	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M10x20	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 Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE PT090													
			19	20	21	22	23	24	25	26	27	28	29	30	31	32
Cuneo / Wedge	58x24x10	CU133	6	/	/	/	/	/	/	8	/	/	/	/	/	/
Cuneo / Wedge	98x24x10	CU135	/	6	/	/	/	/	/	/	8	/	/	/	/	/
Cuneo / Wedge	128x24x10	CU136	/	/	6	/	/	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	148x24x10	CU137	/	/	/	6	/	/	/	/	/	/	8	/	/	/
Cuneo / Wedge	178x24x10	CU139	/	/	/	/	6	/	/	/	/	/	/	8	/	/
Cuneo / Wedge	198x24x10	CU140	/	/	/	/	/	6	/	/	/	/	/	/	8	/
Cuneo / Wedge	228x24x10	CU142	/	/	/	/	/	/	6	/	/	/	/	/	/	8
Vite per Cuneo / Wedge's Screw	M10x20	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

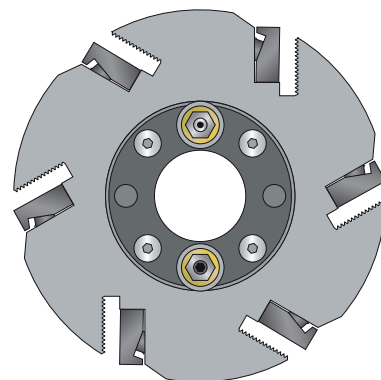
PT 091

TESTA HYDRO CON PROFILO SAGOMATO Z4/Z6/Z8 COLTELLO ZIGRINATO SP=8-10mm

Profiled hydro cutterhead Z4/Z6/Z8 - Corrugated Knife S=8/10 mm

Profilierter Hydro Messerkopf Z4/Z6/Z8 - Rückenverzahnte Blanketts Messer S=8/10 mm

Cabezal hidro perfilado Z4/Z6/Z8 - Cuchilla corrugada S=8/10 mm



RICAMBI ORDINABILI		SPARE PARTS	
	VT024		VT025
VALVOLA DI INGRASSAGGIO GREASER VALVE		VITE DI SFIATO EXHAUST SCREW	
			GOR01
		GUARNIZIONE PER BUSSOLA O-RING'S BUSH	

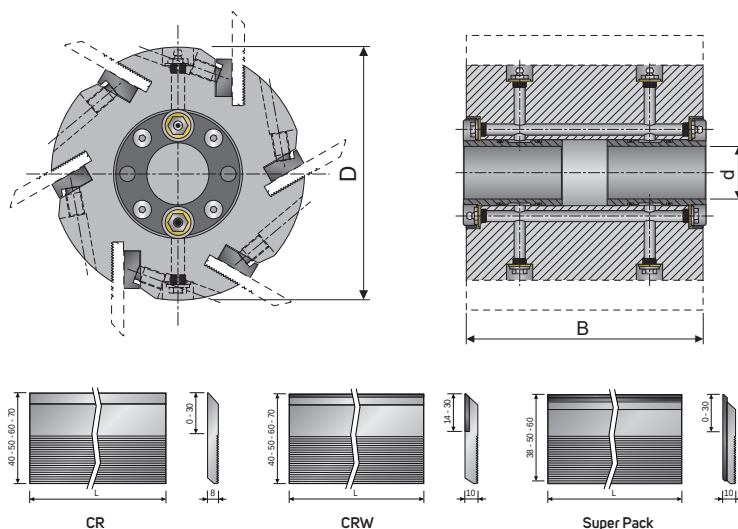
CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	PESO Kg
PT09101	ACCIAIO	122	60	40	4	4,37
PT09102	ACCIAIO	122	100	40	4	7,28
PT09103	ACCIAIO	122	130	40	4	9,46
PT09104	ACCIAIO	122	150	40	4	10,91
PT09105	ACCIAIO	122	180	40	4	13,10
PT09106	ACCIAIO	122	200	40	4	14,55
PT09107	ACCIAIO	122	230	40	4	16,73
PT09108	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

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas

COLTELLI ORDINABILI

Knives to be ordered



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	58x24x10	CU133	4	/	/	/	/	/	/
Cuneo / Wedge	98x24x10	CU135	/	4	/	/	/	/	/
Cuneo / Wedge	128x24x10	CU136	/	/	4	/	/	/	/
Cuneo / Wedge	148x24x10	CU137	/	/	/	4	/	/	/
Cuneo / Wedge	178x24x10	CU139	/	/	/	/	4	/	/
Cuneo / Wedge	198x24x10	CU140	/	/	/	/	/	4	/
Cuneo / Wedge	228x24x10	CU142	/	/	/	/	/	/	4
Vite per Cuneo / Wedge's Screw	M10x20	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	58x24x10	CU133	6	/	/	/	/	/	/	8	/	/	/	/	/	/
Cuneo / Wedge	98x24x10	CU135	/	6	/	/	/	/	/	/	8	/	/	/	/	/
Cuneo / Wedge	128x24x10	CU136	/	/	6	/	/	/	/	/	/	8	/	/	/	/
Cuneo / Wedge	148x24x10	CU137	/	/	/	6	/	/	/	/	/	/	8	/	/	/
Cuneo / Wedge	178x24x10	CU139	/	/	/	/	6	/	/	/	/	/	/	8	/	/
Cuneo / Wedge	198x24x10	CU140	/	/	/	/	/	6	/	/	/	/	/	/	8	/
Cuneo / Wedge	228x24x10	CU142	/	/	/	/	/	/	6	/	/	/	/	/	/	8
Vite per Cuneo / Wedge's Screw	M10x20	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

FRESE PL

PL CUTTERS

PL FRÄSER

FRESAS PL



PL 010



ALBERO PORTAUTENSILI CON ATTACCO HSK 85W

Tool's holder with HSK 85W
Werkzeugaufnahme mit HSK 85W
Portaherramientas con HSK 85W

194

PL 015



ALBERO PORTAUTENSILI CON ATTACCO HSK 85W

Tool's holder with HSK 85W
Werkzeugaufnahme mit HSK 85W
Portaherramientas con HSK 85W

195

PL 020



TESTA A SGROSSARE CON COLTELLO REVERSIBILE RAGGIATO

Cutterhead for roughing with reversible square knives with radius
Schrupp- Hobelmesserkopf mit quadratische Wendeschneidplatten mit Radius
Cabezal para desbastar con cuchillas reversibles cuadradas y radio

196

PL 030



TESTA A SGROSSARE CON COLTELLO REVERSIBILE CON ANGOLI SMUSSATI

Cutterhead for roughing with reversible knife with chamfered edges
Schrupp-Hobelmesserkopf mit Wendeschneidplatte mit Fase
Cabezal para desbastar con cuchilla reversible con cantos biselados

197

PL 040



TESTA A FINITURE CON COLTELLI BULLDOZER

Finishing cutterhead with Bulldozer knives
Hobelmesserkopf mit Bulldozer Wendeplatten
Cabezal para acabado con cuchillas Bulldozer

198

PL 050



TESTA A FINITURA CON COLTELLI CENTROLOCK

Finishing cutterhead with Centrolock knives
Hobelmesserkopf mit Centrolock Wendeplatten
Cabezal para acabado con cuchillas Centrolock

199

PL 060



TESTA PER PROFILO SAGOMATO CON COLTELLO ZIGRINATO S=8-10mm

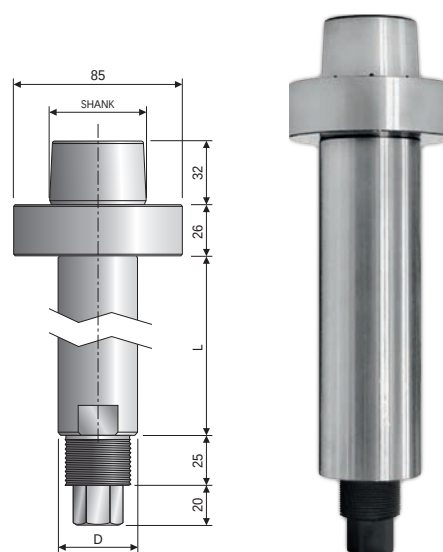
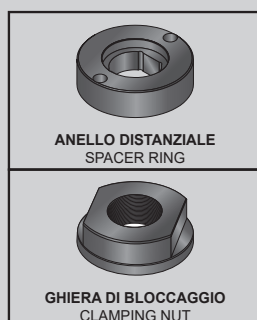
Profiled cutterhead with corrugated knife S=8-10mm
Profilmesserkopf mit Rückverzahnte Messer S=8-10mm
Cabezal para perfiles con cuchilla corrugada S=8-10mm

200

PL 010

ALBERO PORTAUTENSILI CON ATTACCO HSK 85W

Tool's holder with HSK 85W
Werkzeugaufnahme mit HSK 85W
Portaherramientas con HSK 85W



CODICE CODE	ATTACCO SHANK	D mm	L mm
PL01001	HSK 85W	30	63
PL01002	HSK 85W	30	93
PL01003	HSK 85W	30	103
PL01004	HSK 85W	30	123
PL01005	HSK 85W	30	203
PL01006	HSK 85W	35	63
PL01007	HSK 85W	35	93
PL01008	HSK 85W	35	103
PL01009	HSK 85W	35	123
PL01010	HSK 85W	35	203
PL01011	HSK 85W	40	63
PL01012	HSK 85W	40	93
PL01013	HSK 85W	40	103
PL01014	HSK 85W	40	123
PL01015	HSK 85W	40	203
PL01016	HSK 85W	50	63
PL01017	HSK 85W	50	93
PL01018	HSK 85W	50	103
PL01019	HSK 85W	50	123
PL01020	HSK 85W	50	203

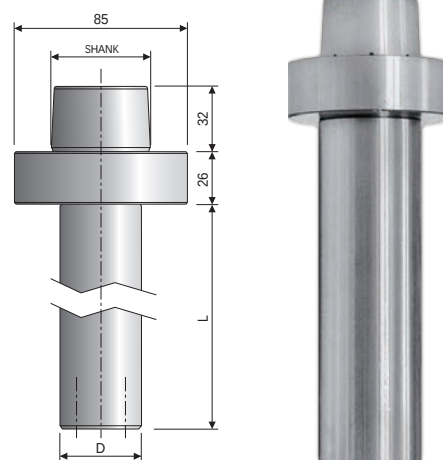
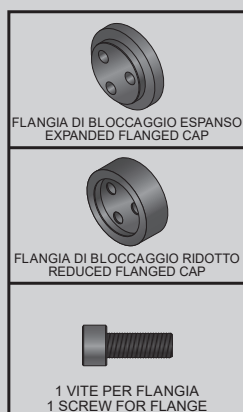
PL 015

ALBERO PORTAUTENSILI CON ATTACCO HSK 85W

Tool's holder with HSK 85W

Werkzeugaufnahme mit HSK 85W

Portaherramientas con HSK 85W



FRESE PL
PL CUTTERS

CODICE CODE	ATTACCO SHANK	D mm	L mm
PL01501	HSK 85W	30	63
PL01502	HSK 85W	30	93
PL01503	HSK 85W	30	103
PL01504	HSK 85W	30	123
PL01505	HSK 85W	30	203
PL01506	HSK 85W	35	63
PL01507	HSK 85W	35	93
PL01508	HSK 85W	35	103
PL01509	HSK 85W	35	123
PL01510	HSK 85W	35	203
PL01511	HSK 85W	40	63
PL01512	HSK 85W	40	93
PL01513	HSK 85W	40	103
PL01514	HSK 85W	40	123
PL01515	HSK 85W	40	203
PL01516	HSK 85W	50	63
PL01517	HSK 85W	50	93
PL01518	HSK 85W	50	103
PL01519	HSK 85W	50	123
PL01520	HSK 85W	50	203

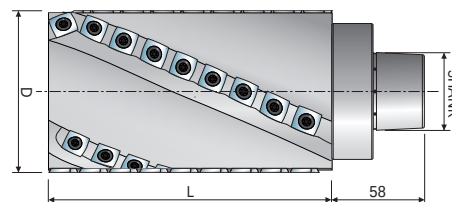
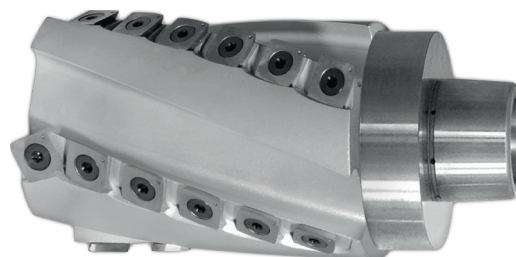
PL 020

TESTA A SGROSSARE CON COLTELLO REVERSIBILE RAGGIATO

Cutterhead for roughing with reversible
square knives with radius

Schrupp- Hobelmesserkopf mit quadratische
Wendeschneidplatten mit Radius

Cabezal para desbastar con cuchillas reversibles
cuadradas y radio

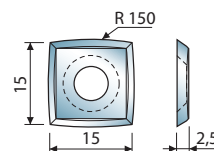


* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda

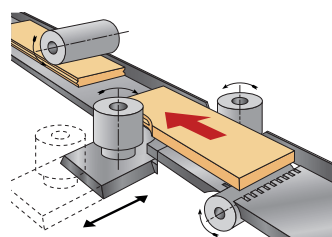
Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

Cuerpo en aleación ligera, no utilizar sosa cáustica



SCHEMA DI LAVORAZIONE

Working System



CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D mm	ATTACCO SHANK	L mm	Z
PL02001	PL02007	LEGA LEGG.*	93	HSK 85W	84	4
PL02002	PL02008	LEGA LEGG.*	93	HSK 85W	103	4
PL02003	PL02009	LEGA LEGG.*	93	HSK 85W	131	4
PL02004	PL02010	LEGA LEGG.*	93	HSK 85W	160	4
PL02005	PL02011	LEGA LEGG.*	93	HSK 85W	188	4
PL02006	PL02012	LEGA LEGG.*	93	HSK 85W	226	4

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/07	02/08	03/09	04/10	05/11	06/12
Coltello / Knife	15x15x2,5 r150	CRB02	16	20	26	32	38	46
Vite per Coltello / Knife's Screw	M5x12,5 Ø9	VT051	16	20	26	32	38	46
Chiave per Coltello / Knife's Key	Torx 20	TK020	1	1	1	1	1	1

PL 030

TESTA A SGROSSARE CON COLTELLO REVERSIBILE CON ANGOLI SMUSSATI

Cutterhead for roughing with reversible knife
with chamfered edges

Schrupp-Hobelmesserkopf mit Wendeschneidplatte
mit Fase

Cabezal para desbastar con cuchilla reversible
con cantos biselados

* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

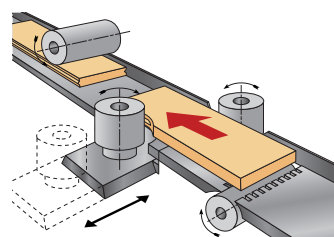
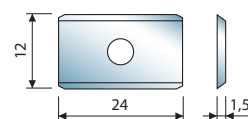
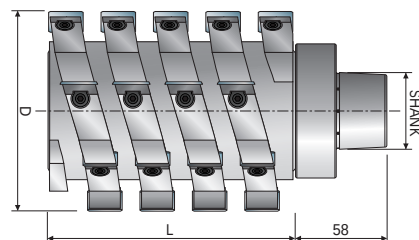
Body in a light alloy, do not use caustic soda

Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden

Cuerpo en aleación ligera, no utilizar sosa cáustica

SCHEMA DI LAVORAZIONE

Working System



FRESE PL
PL CUTTERS

CODICE DX RH CODE	CODICE SX LH CODE	MATERIALE MATERIAL	D mm	ATTACCO SHANK	L mm	Z
PL03001	PL03006	LEGA LEGG.*	100	HSK 85W	79	6
PL03002	PL03007	LEGA LEGG.*	100	HSK 85W	130	6
PL03003	PL03008	LEGA LEGG.*	100	HSK 85W	166	6
PL03004	PL03009	LEGA LEGG.*	100	HSK 85W	184	6
PL03005	PL03010	LEGA LEGG.*	100	HSK 85W	237	6

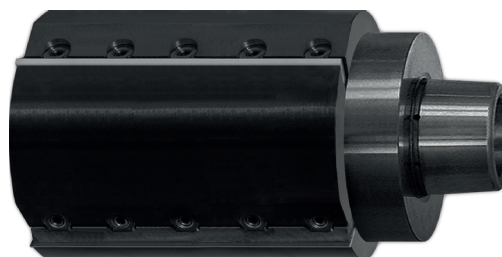
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/06	02/07	03/08	04/09	05/10
Coltello / Knife	24x12x1,5	CRAB01	12	21	27	30	39
Cuneo / Wedge	21x15x8	CU005	12	21	27	30	39
Ogiva / Nut	Ø13x9	OG001	12	21	27	30	39
Vite per Ogiva / Nut's Screw	M8x22	VT001	12	21	27	30	39
Chiave per Ogiva / Nut's Key	Esagonale 4	CH004	1	1	1	1	1

PL 040

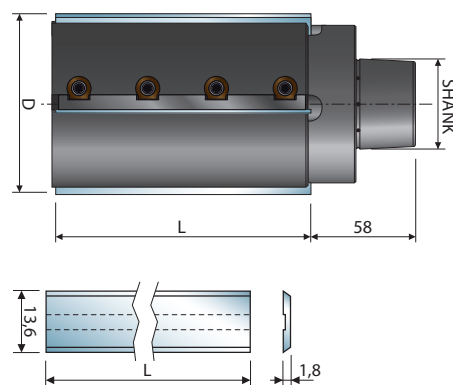
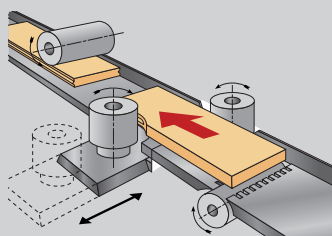
TESTA A FINITURE CON COLTELLI BULLDOZER

Finishing cutterhead with Bulldozer knives
Hobelmesserkopf mit Bulldozer Wendeplatten
Cabezal para acabado con cuchillas Bulldozer



SCHEMA DI LAVORAZIONE

Working System



CODICE DX RH CODE	CODICE SX LH CODE	D mm	ATTACCO SHANK	L mm	Z
PL04001	PL04006	93	HSK 85W	80	4
PL04002	PL04007	93	HSK 85W	100	4
PL04003	PL04008	93	HSK 85W	160	4
PL04004	PL04009	93	HSK 85W	180	4
PL04005	PL04010	93	HSK 85W	230	4

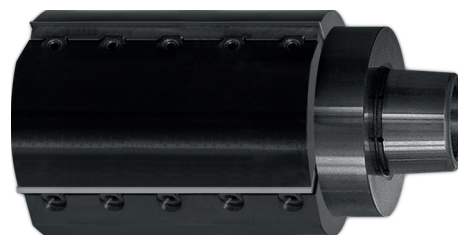
DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/06	CODICE/CODE 02/07	03/08	PL040 04/09	05/10
Coltello / Knife	80x13,6x1,8	CBZ03	4	/	/	/	/
Coltello / Knife	100x13,6x1,8	CBZ04	/	4	/	/	/
Coltello / Knife	160x13,6x1,8	CBZ10	/	/	4	/	/
Coltello / Knife	180x13,6x1,8	CBZ11	/	/	/	4	/
Coltello / Knife	220x13,6x1,8	CBZ15	/	/	/	/	4
Cuneo / Wedge	78x15x8	CU057	4	/	/	/	/
Cuneo / Wedge	98x15x8	CU058	/	4	/	/	/
Cuneo / Wedge	158x15x8	CU060	/	/	4	/	/
Cuneo / Wedge	178x15x8	CU061	/	/	/	4	/
Cuneo / Wedge	228x15x8	CU063	/	/	/	/	4
Ogiva / Nut	Ø13x9	OG001	12	12	20	20	24
Vite per Ogiva / Nut's Screw	M8x22	VT001	12	12	20	20	24
Chiave per Ogiva / Nut's Key	Esagonale 4	CH004	1	1	1	1	1

PL 050

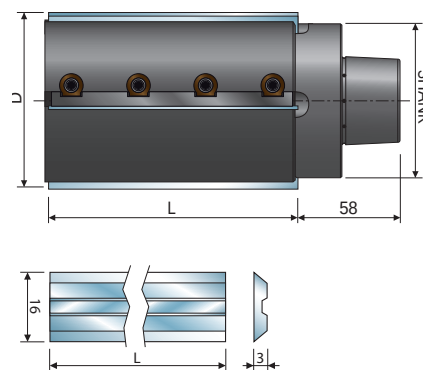
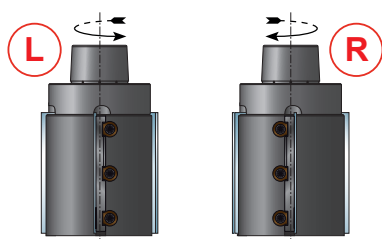
TESTA A FINITURA CON COLTELLI CENTROLOCK

Finishing cutterhead with Centrolock knives
Hobelmesserkopf mit Centrolock Wendeplatten
Cabezal para acabado con cuchillas Centrolock



INDICARE NELL' ORDINE LA ROTAZIONE DELL' UTENSILE

Specify tool's rotation in the order
Drehung des Werkzeugs in der Bestellung angeben
Señalar en el pedido la rotación de la herramienta



FRESE PL
PL CUTTERS

CODICE DX RH CODE	D mm	ATTACCO SHANK	L mm	Z	COLT. KNIFE
PL05001	93	HSK 85W	80	4	HSS
PL05002	93	HSK 85W	100	4	HSS
PL05003	93	HSK 85W	160	4	HSS
PL05004	93	HSK 85W	180	4	HSS
PL05005	93	HSK 85W	230	4	HSS
PL05006	93	HSK 85W	80	4	HW
PL05007	93	HSK 85W	100	4	HW
PL05008	93	HSK 85W	160	4	HW
PL05009	93	HSK 85W	180	4	HW
PL05010	93	HSK 85W	230	4	HW

DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06	07	08	09	10
Coltello HW / Knife HW	80x16x3	CCL05	4	/	/	/	/	/	/	/	/	/
Coltello HW / Knife HW	100x16x3	CCL06	/	4	/	/	/	/	/	/	/	/
Coltello HW / Knife HW	160x16x3	CCL11	/	/	4	/	/	/	/	/	/	/
Coltello HW / Knife HW	180x16x3	CCL13	/	/	/	4	/	/	/	/	/	/
Coltello HW / Knife HW	230x16x3	CCL17	/	/	/	/	4	/	/	/	/	/
Coltello HSS / Knife HSS	80x16x3	CCL29	/	/	/	/	/	4	/	/	/	/
Coltello HSS / Knife HSS	100x16x3	CCL30	/	/	/	/	/	/	4	/	/	/
Coltello HSS / Knife HSS	160x16x3	CCL35	/	/	/	/	/	/	/	4	/	/
Coltello HSS / Knife HSS	180x16x3	CCL37	/	/	/	/	/	/	/	/	4	/
Coltello HSS / Knife HSS	230x16x3	CCL41	/	/	/	/	/	/	/	/	/	4
Cuneo / Wedge	78x15x8	CU049	4	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	98x15x8	CU050	/	4	/	/	/	/	4	/	/	/
Cuneo / Wedge	158x15x8	CU052	/	/	4	/	/	/	/	4	/	/
Cuneo / Wedge	178x15x8	CU053	/	/	/	4	/	/	/	/	4	/
Cuneo / Wedge	228x15x8	CU055	/	/	/	/	4	/	/	/	/	4
Ogiva / Nut	Ø13x9	OG001	12	12	20	20	24	12	12	20	20	24
Vite per Ogiva / Nut's Screw	M8x22	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

PL 060

TESTA PER PROFILO SAGOMATO CON COLTELLO ZIGRINATO S=8-10 mm

Profiled cutterhead with corrugated knife S=8-10mm
 Profilmesserkopf mit Rückverzahnte Messer S=8-10mm
 Cabezal para perfiles con cuchilla corrugada S=8-10mm

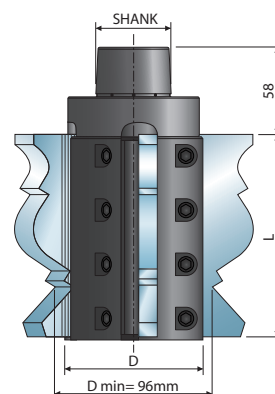
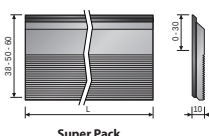
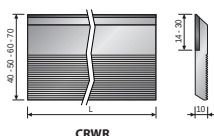
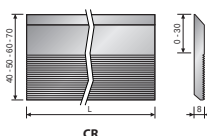


I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads
 Die Köpfe werden ohne Messer geliefert
 Los cabezales vienen sin cuchillas

COLTELLI ORDINABILI

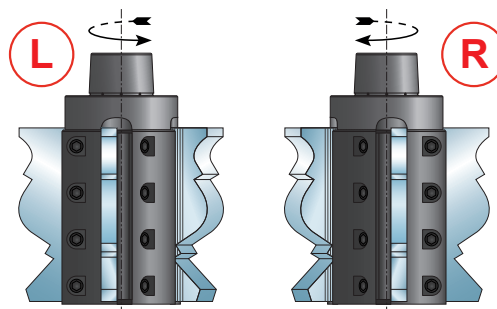
Knives to be ordered



CODICE DX RH CODE	D mm	ATTACCO SHANK	L mm	Z
PL06001	90	HSK 85W	40	4
PL06002	90	HSK 85W	60	4
PL06003	90	HSK 85W	80	4
PL06004	90	HSK 85W	100	4
PL06005	90	HSK 85W	130	4
PL06006	90	HSK 85W	150	4
PL06007	90	HSK 85W	180	4
PL06008	90	HSK 85W	200	4
PL06009	90	HSK 85W	230	4
PL06010	90	HSK 85W	310	4

INDICARE NELL' ORDINE LA ROTAZIONE DELL' UTENSILE

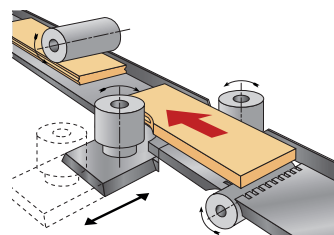
Specify tool's rotation in the order
Drehung des Werkzeugs in der Bestellung angeben
Indique en el pedido la rotación de la herramienta



FRESE PL
PL CUTTERS

SCHEMA DI LAVORAZIONE

Working System



DISTINTA BASE / Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE PL060									
			01	02	03	04	05	06	07	08	09	10
Cuneo / Wedge	38x24x10	CU132	4	/	/	/	/	/	/	/	/	/
Cuneo / Wedge	58x24x10	CU133	/	4	/	/	/	/	/	/	/	/
Cuneo / Wedge	78x24x10	CU134	/	/	4	/	/	/	/	/	/	/
Cuneo / Wedge	98x24x10	CU135	/	/	/	4	/	/	/	/	/	/
Cuneo / Wedge	128x24x10	CU136	/	/	/	/	4	/	/	/	/	/
Cuneo / Wedge	148x24x10	CU137	/	/	/	/	/	4	/	/	/	/
Cuneo / Wedge	178x24x10	CU139	/	/	/	/	/	/	4	/	/	/
Cuneo / Wedge	198x24x10	CU140	/	/	/	/	/	/	/	4	/	/
Cuneo / Wedge	228x24x10	CU142	/	/	/	/	/	/	/	/	4	/
Cuneo / Wedge	308x24x10	CU143	/	/	/	/	/	/	/	/	/	4
Vite per Ogiva / Nut's Screw	M10x20	VT022	8	8	12	12	16	16	20	24	24	32
Chiave per Ogiva / Nut's Key	Esagonale 5	CH005	1	1	1	1	1	1	1	1	1	1

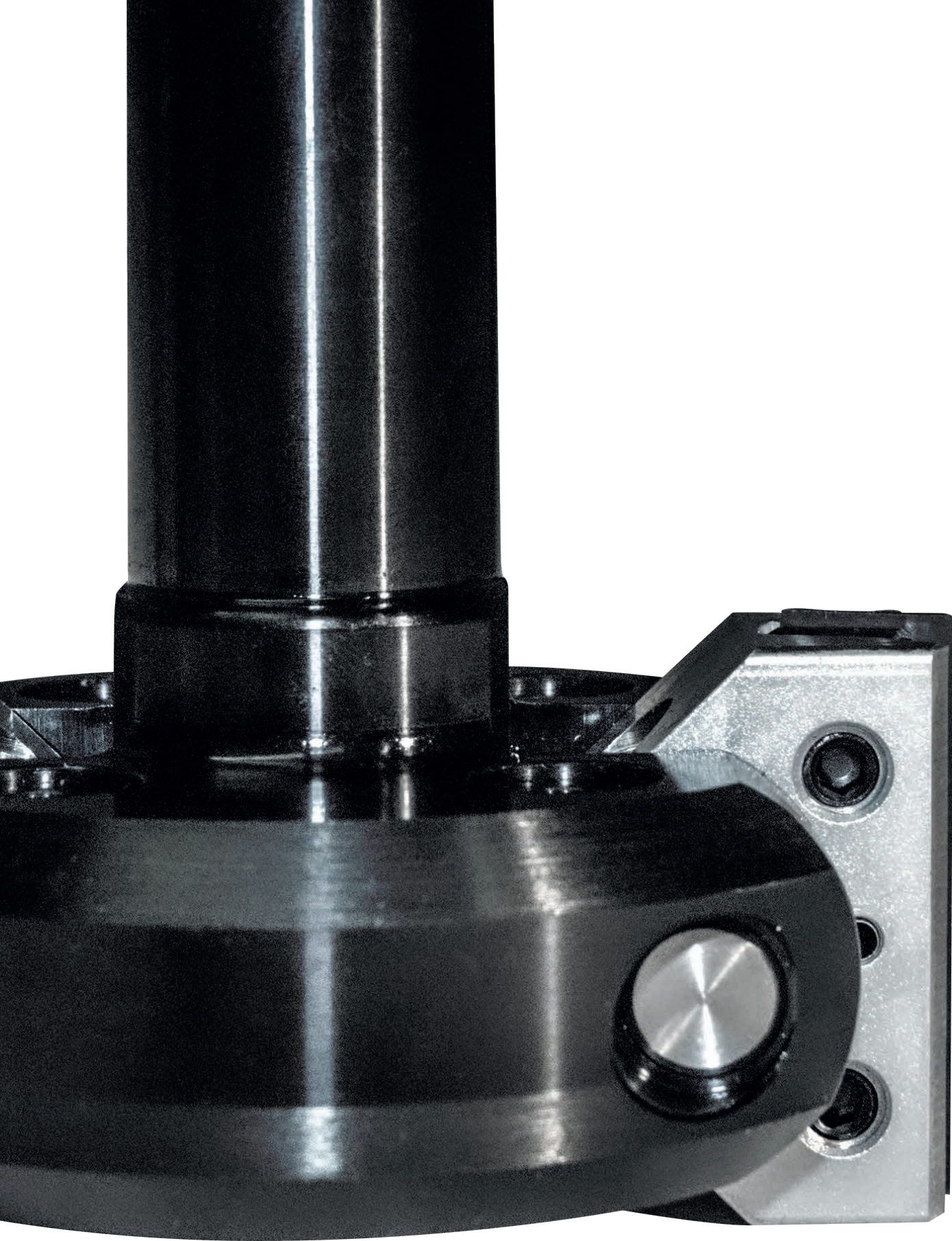
FRESE GP

GP CUTTERS

GP FRÄSER

FRESAS GP





FRESE GP

GP CUTTERS

GP FRÄSER

FRESAS GP

GP 010



FRESA PER FORARE E SPIANARE

Cutter for drilling and planing
Fräser für bohren und planen
Fresa para taladrar y planear

206

GP 015



FRESA PER SPIANARE

Cutter for planing
Planfräser
Fresa para planear

207

GP 020



FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

208

GP 030



FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

209

GP 040



FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

210

GP 050



FRESA PER CONTORNARE Z2

Cutter for contouring Z2
Konturfräser Z2
Fresa para contornear Z2

211

GP 060



FRESA PER FORARE E CONTORNARE CON ANGOLO ASSIALE ALTERNO

Cutter for drilling and contouring with alternate axial angle
Fräser für bohren und konturfräsen mit wechselseitigen Achswinkel
Fresa para taladrar y contornear con ángulos axiales alternos

212

GP 070



FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

213

GP 080



FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

214

GP 090



FRESA PER CONTORNARE E SPIANARE GRANDI ASPORTAZIONI

Cutter for contouring and planing - High material removal
Fräser für konturfräsen und planen - Große Materialabtrag
Fresa para contornar y planear - Grandes desbaste

215

GP 100



FRESA PER CONTORNARE E SPIANARE BUONA FINITURA

Cutter for contouring and planing - Good finishing
Fräser für Konturfräsen und planen - Gute Feinbearbeitung
Fresa para contornar y planear - Buen acabado

216

GP 110



FRESA PER FOLDING

Folding cutter
Foldingfräser
Fresa para Folding

217

GP 120



FRESA REGOLABILE DA +45° A -90°

Adjustable chamfering cutter from +45° to -90°
Verstellbare Schwenkmesserkopf vom +45° zum -90°
Fresa para biseles regulable desde +45° hasta -90°

218

GP 130



FRESA PER CERNIERE

Cylinder boring bit
Zylinderkopfböhrer
Fresa para bisagra

219

GP 140



FRESA IN ACCIAIO ANTIVIBRANTE PER SERRATURE

Heavysteel cutter for lock-set
Schließkastenfräser mit Antivibrationsstahl
Fresa en acero antivibración para cerraduras

220

GP 150



FRESA PER CANALI CON SMUSSO

Grooving cutter with bevel
Nutfräser mit Fasen
Fresa para ranurar con biseles

221

GP 160



FRESA MULTIPROFILO

Multiprofile cutter
Multiprofilfräser
Fresa para perfilar

222

GP 165



FRESA MULTIPROFILO

Multiprofile cutter
Multiprofilfräser
Fresa para perfilar

223

GP 170



FRESA PER INCISIONI MULTIPROFILO

Multiprofile engraving cutter
Multiprofilsschriftfräser
Fresa para grabados para perfilar

224

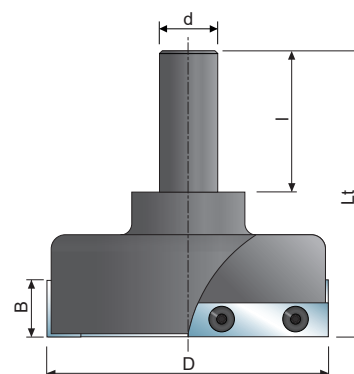
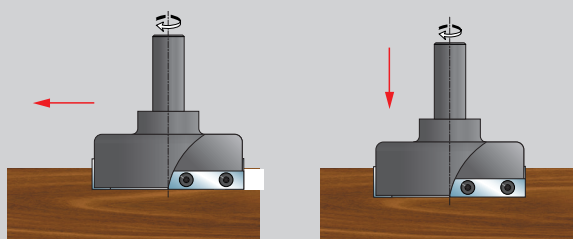
GP 010

FRESA PER FORARE E SPIANARE

Cutter for drilling and planing
Fräser für bohren und planen
Fresa para taladrar y planear

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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/CODE 01	GP010 02
Coltello/Knife	29,5×12×1,5	CGZ407	2	/
Coltello/Knife	39,5×12×1,5	CGZ410	2	/
Coltello/Knife	19,5×12×1,5	CGZ404	/	2
Coltello/Knife	49,5×12×1,5	CGZ413	/	2
Cuneo/Wedge	16×15×8	CU001	/	2
Ogiva/Nut	Ø13×9	OG001	/	2
Vite per Ogiva/Nut's Screw	M8×22	VT001	/	2
Vite per Coltello/Knife's Screw	M3,5×7 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

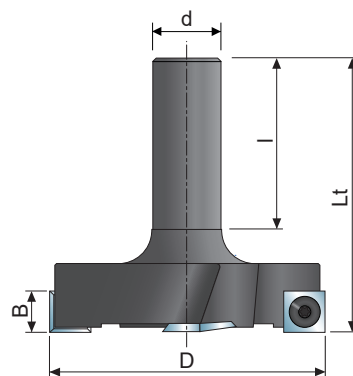
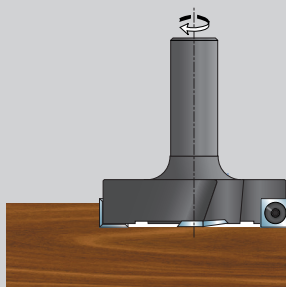
GP 015

FRESA PER SPIANARE

Cutter for planing
Planfräser
Fresa para planear

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



FRESE GP
GP CUTTERS

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
GP01501	80	12	80	20/25	50	2+2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	GP015
Coltello/Knife	12x12x1,5	CGZ401	2	
Rasante/Spur	14x14 x2	RAS02	2	
Vite per Coltello/Knife's Screw	M4x8 Ø9	VT013	8	
Vite per Rasante/Spur's Screw	M5x7 Ø8,8	VT001	/	
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	

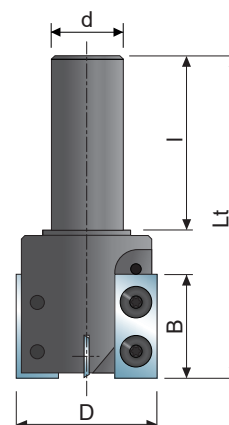
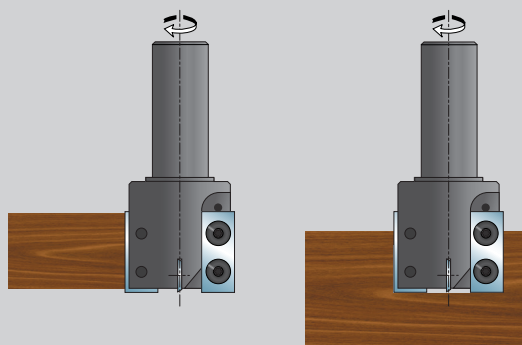
GP 020

FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
GP02001	30	40	100	20/25	50	2+1
GP02002	40	30	90	20/25	50	2+1
GP02003	40	50	100	20/25	50	2+1

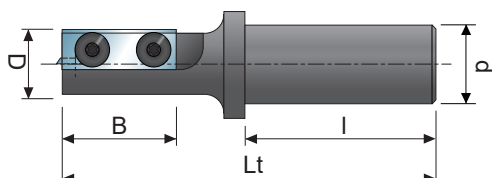
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE GP020		
			01	02	03
Coltello/Knife	12x12x1,5	CGZ401	1	/	/
Coltello/Knife	15x12x1,5	CGZ205	/	1	1
Coltello/Knife	39,5x12x1,5	CGZ410	2	/	/
Coltello/Knife	29,5x12x1,5	CGZ407	/	2	/
Coltello/Knife	49,5x12x1,5	CGZ413	/	/	2
Vite per Coltello/Knife's Screw	M3,5x7 Ø9	VT026	4	4	4
Vite per Coltello/Knife's Screw	M3,5x7 Ø7,5	VT053	1	1	1
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1

GP 030

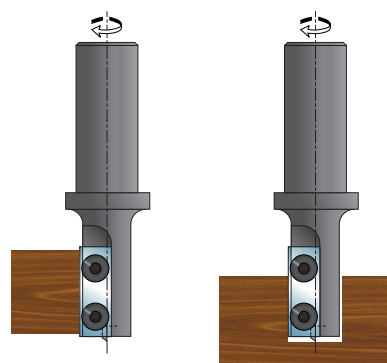
FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
GP03001	GP03008	12	30	100	20/25	50	1
GP03002	GP03009	16	30	100	20/25	50	1
GP03003	GP03010	16	50	120	20/25	50	1
GP03004	GP03011	18	30	100	20/25	50	1+1
GP03005	GP03012	18	50	120	20/25	50	1+1
GP03006	GP03013	20	30	100	20/25	50	1+1
GP03007	GP03014	20	50	120	20/25	50	1+1

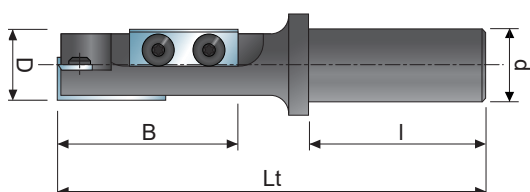
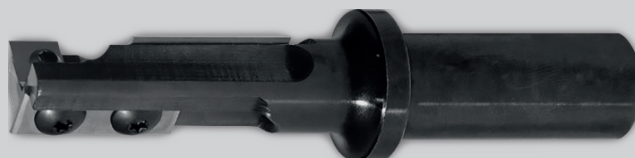
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01/08	02/09	03/10	04/11	05/12	GP030			
								06	07	13	14
Coltello/Knife	9,7x9,7x1,5	CGGP03	/	/	/	1	1	/	/	/	/
Coltello/Knife	9,7x10,6x1,5 DX	CGGP04	/	/	/	/	/	1	1	/	/
Coltello/Knife	9,7x10,6x1,5 SX	CGGP05	/	/	/	/	/	/	/	1	1
Coltello/Knife	29,5x9x1,5	CGZ406	1	1	/	/	/	/	/	/	/
Coltello/Knife	30x12x1,5	CGZ211	/	/	/	1	/	1	/	1	/
Coltello/Knife	49,5x9x1,5	CGZ412	/	/	1	/	/	/	/	/	/
Coltello/Knife	50x12x1,5	CGZ215	/	/	/	/	1	/	1	/	1
Supporto/Support Plate	50x10x2,5	SU023	/	/	/	/	1	/	1	/	1
Vite per Coltello/Knife's Screw	M3,5x9 Ø6	VT027	/	2	/	1	3	1	3	1	3
Vite per Coltello/Knife's Screw	M3x5,8 Ø5,4	VT028	2	/	/	/	/	/	/	/	/
Vite per Coltello/Knife's Screw	M3x7 Ø7	VT053	/	/	2	/	/	/	/	/	/
Vite per Coltello/Knife's Screw	M3,5x6,2 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

GP 040

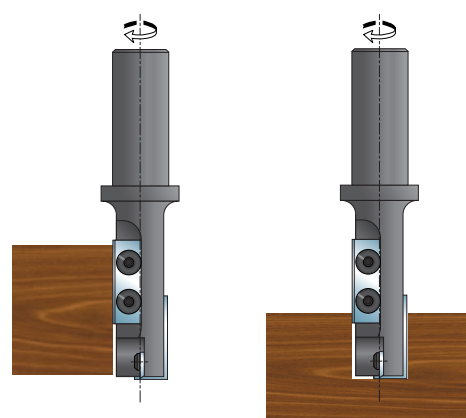
FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE			
			01	02	GP040 03	04
Coltello/Knife	9,7×9,7×1,5	CGGP03	1	/	/	/
Coltello/Knife	9,7×10,6×1,5 DX	CGGP04	/	1	1	1
Coltello/Knife	20×12×1,5	CGZ207	2	2	/	/
Coltello/Knife	30×12×1,5	CGZ211	/	/	2	2
Vite per Coltello/Knife's Screw	M3,5×6,2 Ø9	VT029	2	2	4	4
Vite per Coltello/Knife's Screw	M3,5×6,5 Ø6	VT047	1	1	1	1
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1

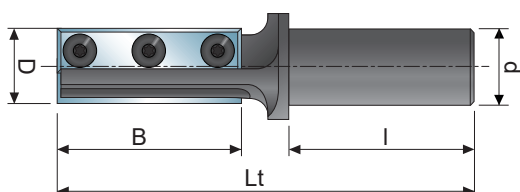
GP 050

FRESA PER CONTORNARE Z2

Cutter for contouring Z2

Konturfräser Z2

Fresa para contornear Z2



ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
GP05001	GP05002	20	30	95	20/25	50	2
GP05003	GP05004	20	50	115	20/25	50	2
GP05005	GP05006	25	50	115	20/25	50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE		GP050
			01/02	03/04	05/06
Coltello/Knife	29,5×12×1,5	CGZ407	2	/	/
Coltello/Knife	50×12×1,7	CGZ416	/	2	2
Vite per Coltello/Knife's Screw	M3,5×4 Ø9	VT029	4	6	6
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1

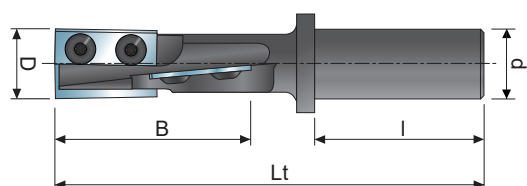
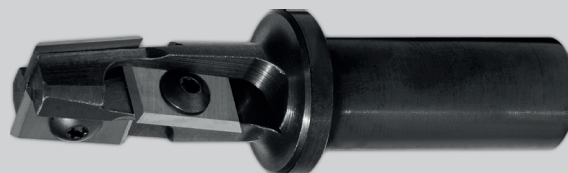
GP 060

FRESA PER FORARE E CONTORNARE CON ANGOLO ASSIALE ALTERNO

Cutter for drilling and contouring
with alternate axial angle

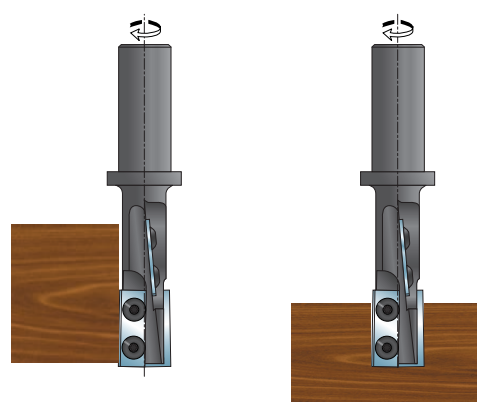
Fräser für bohren und konturfräsen
mit wechselseitigen Achswinkel

Fresa para taladrar y contornear
con ángulos axiales alternos



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
GP06001	GP06003	20	35	100	20/25	50	2+2
GP06002	GP06004	20	55	120	20/25	50	2+2

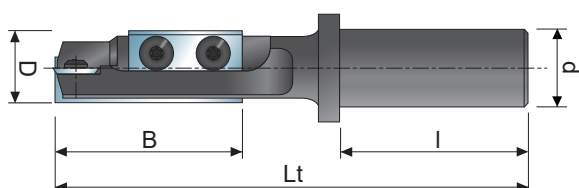
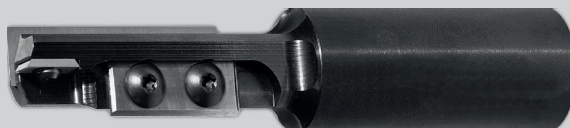
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	CODICE/CODE 02	GP060 03	04
Coltello/Knife	19,5×12×1,5	CGZ404	4	/	4	/
Coltello/Knife	29,5×12×1,5	CGZ407	/	4	/	4
Vite per Coltello/Knife's Screw	M3,5×6,2 Ø9	VT029	4	8	4	8
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1

GP 070

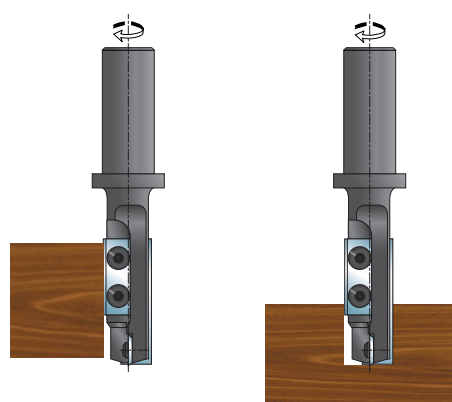
FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



FRESE GP
GP CUTTERS

CODICE DX RH CODE	CODICE SX LH CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm l mm	Z
GP07001	GP07002	20	50	125	20/25 50	2+1

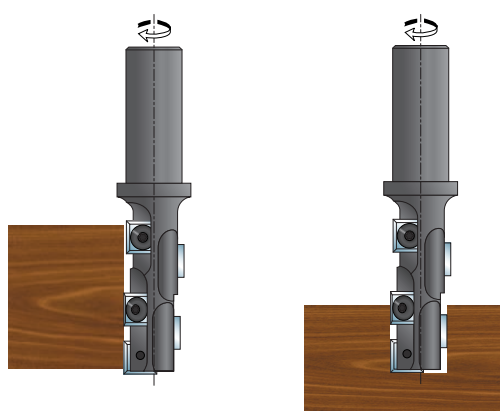
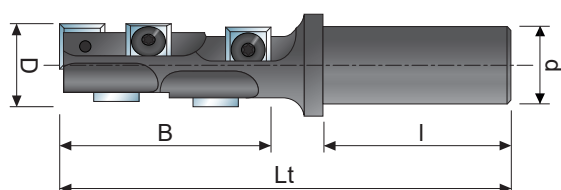
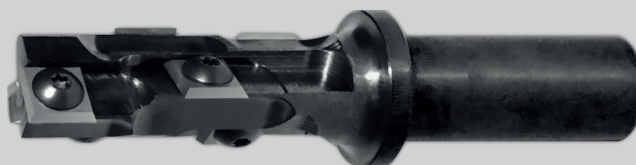
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	GP070 02
Coltello/Knife	7,5x12x1,5	CGZ201	1	1
Coltello/Knife	30x12x1,5	CGZ211	1	1
Coltello/Knife	50x12x1,7	CGZ416	1	1
Vite per Coltello/Knife's Screw	M3,5x4 Ø9	VT029	5	5
Vite per Coltello/Knife's Screw	M3,5x4 Ø6	VT027	1	1
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1

GP 080

FRESA PER FORARE E CONTORNARE

Cutter for drilling and contouring
Fräser für bohren und konturfräsen
Fresa para taladrar y contornear



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
GP08001	22	56	115	20/25	60	6+1
GP08002	26	56	115	20/25	60	6+1

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	GP080 02
Coltello/Knife	12×12×1,5	CGZ203	6	6
Coltello/Knife	7,5×12×1,5	CGZ201	1	1
Vite per Coltello/Knife's Screw	M3,5×4 Ø9	VT029	6	6
Vite per Coltello/Knife's Screw	M3,5×7 Ø6	VT027	1	1
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1

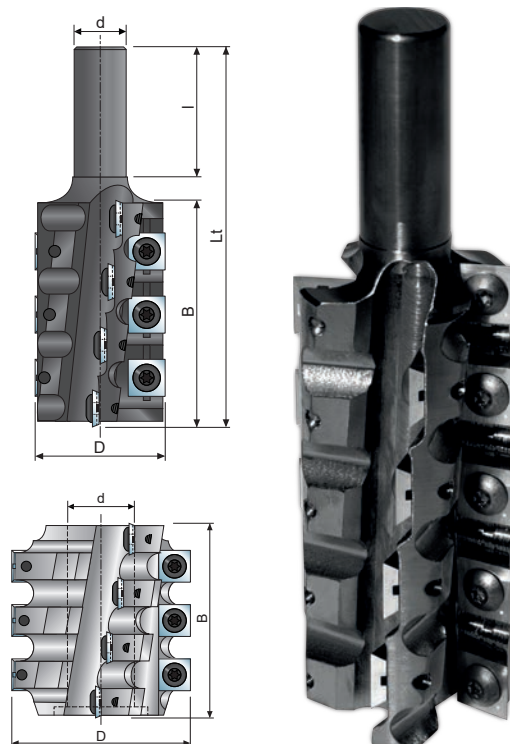
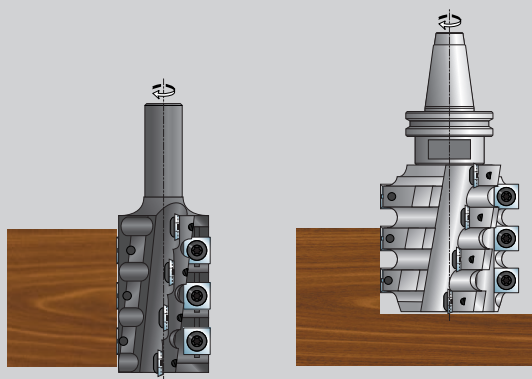
GP 090

FRESA PER CONTORNARE E SPIANARE - GRANDI ASPORTAZIONI

Cutter for contouring and planing
High material removal

Fräser für Konturfräsen und planen
Große Materialabtrag

Fresa para contornar y planear
Grandes desbaste



ESEMPI DI LAVORAZIONE

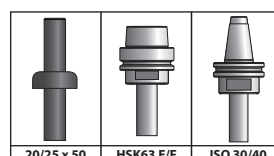
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

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 con cuerpos en aleación ligera son a pedir a parte

ATTACCO PER CODICE GP090

Shank for code GP090



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
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	/	/	/	2+2
GP09005	LEGA LEGG.*	80	74	/	/	/	2+2
GP09006	LEGA LEGG.*	80	86	/	/	/	2+2

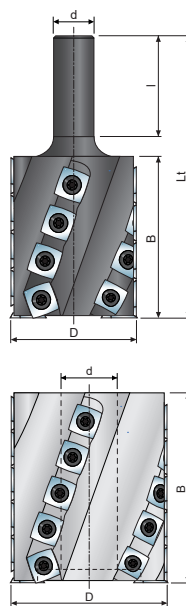
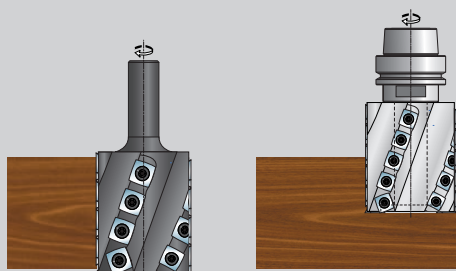
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06
Coltello/Knife	14,3x14,3x2,8	CRC01	10	14	18	10	14	18
Vite per Coltello/Knife's Screw	M5x10,2 Ø10,5	VT004	10	14	18	10	14	18
Chiave per Coltello/Knife's Key	Torx 20	TK020	1	1	1	1	1	1

GP 100

FRESA PER CONTORNARE E SPIANARE BUONA FINITURA

Cutter for contouring and planing - Good finishing
Fräser für konturfäsen und planen - Gute Feinbearbeitung
Fresa para contornar y planear - Buen acabado



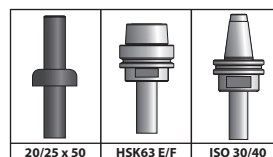
ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

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 con cuerpos en aleación ligera son a pedir a parte

ATTACCO PER CODICE GP100 Shank for code GP100



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	R
					d mm	l mm		
GP10001	ACCIAIO	50	65	122	20/25	50	2+2	2
GP10002	ACCIAIO	50	84	141	20/25	50	2+2	2
GP10003	ACCIAIO	50	113	171	20/25	50	2+2	2
GP10004	LEGA LEGG.*	60	65	/	/	/	2+2	2
GP10005	LEGA LEGG.*	60	84	/	/	/	2+2	2
GP10006	LEGA LEGG.*	80	84	/	/	/	2+2	2
GP10007	LEGA LEGG.*	80	103	/	/	/	2+2	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06	07
Coltello/Knife	15x15x2,5	CRB03	12	16	24	12	16	/	/
Coltello/Knife	15x15x2,5	CRB01	/	/	/	/	/	16	20
Rasante/Spur	14x14x2	RAS02	2	2	2	2	2	2	2
Vite per Coltello/Knife's Screw	M5x12,5 Ø9	VT051	12	16	24	12	16	16	20
Vite per Coltello/Knife's Screw	M5x6,5 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

GP 110

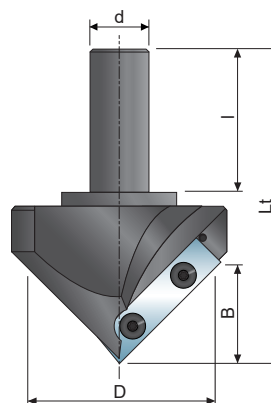
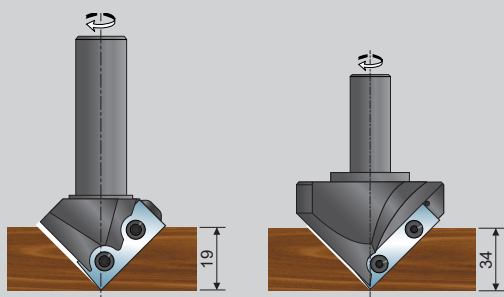
FRESA PER FOLDING

Folding cutter
Foldingfräser
Fresa para Folding



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	CODICE SX LH CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
GP11001	GP11002	38	19	80	16	50	1
GP11003	GP11004	68	34	110	20	50	1

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	CODICE/CODE 02	GP110 03	04
Coltello/Knife	29×12×1,5	CG4501	1	/	/	/
Coltello/Knife	29×12×1,5	CG4502	/	1	/	/
Coltello/Knife	49×12×1,5	CG4503	/	/	1	/
Coltello/Knife	49×12×1,5	CG4504	/	/	/	1
Vite per Coltello/Knife's Screw	M3,5×6,5 Ø6	VT047	2	2	/	/
Vite per Coltello/Knife's Screw	M3,5×6,2 Ø9	VT029	/	/	2	2
Vite di riferimento/Positioning Screw	M3,5×6,2 Ø9	VT029	1	1	/	/
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1

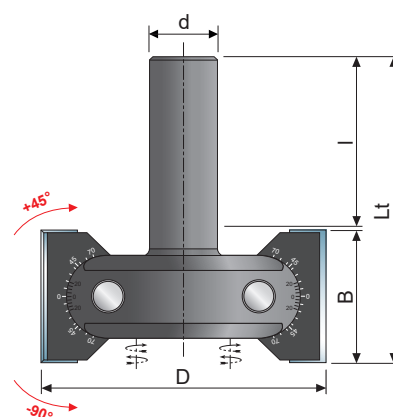
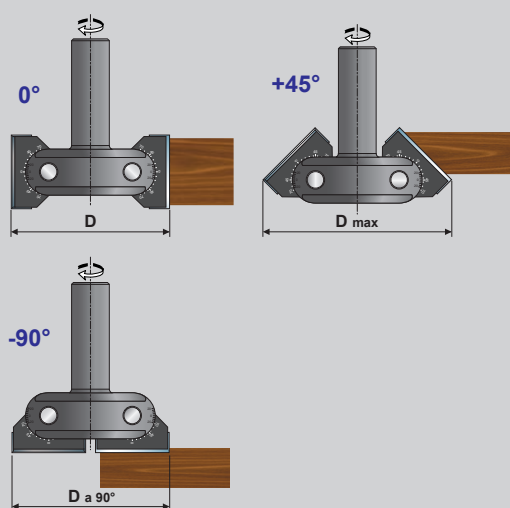
GP 120

FRESA REGOLABILE DA +45° A -90°

Adjustable chamfering cutter from +45° to -90°
Verstellbare Schwenkmesserkopf vom +45° zum -90°
Fresa para biseles regulable desde +45° hasta -90°

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE DX RH CODE	D mm	B mm	D Max mm	D a 90° mm	Lt mm	ATTACCO - SHANK		Z
						d mm	l mm	
GP12001	70	30	80,4	63	83	16	50	2
GP12002	85	40	102	88	93	20	50	2
GP12003	110	50	134,5	123	105	25	55	2

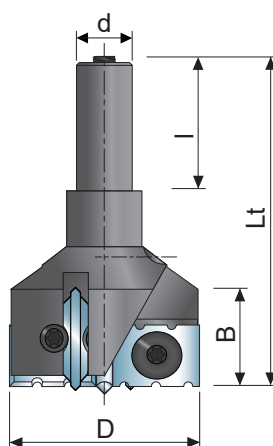
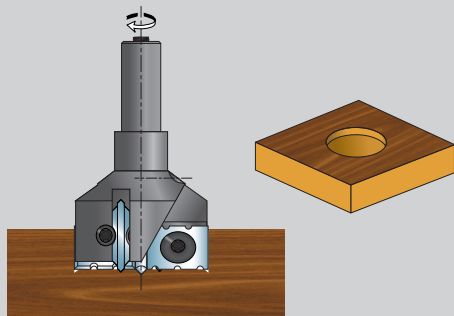
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE			GP120
			01	02	03	
Coltello/Knife	30×12×1,5	CGZ211	2	/	/	
Coltello/Knife	40×12×1,5	CGZ213	/	2	/	
Coltello/Knife	50×12×1,5	CGZ215	/	/	2	
Cuneo/Wedge	28×11×6	CU215	2	/	/	
Cuneo/Wedge	38×11×6	CU078	/	2	/	
Cuneo/Wedge	48×11×6	CU127	/	/	2	
Vite per Cuneo/Wedge's Screw	M6×8	VT054	4	4	4	
Chiave per Coltelli/Knife's Key	Esagonale 3	CH003	1	1	1	
Chiave di Regolaz./Adjustment Key	Esagonale 4	CH004	1	1	1	

GP 130

FRESA PER CERNIERE

Cylinder boring bit
Zylinderkopfböhrer
Fresa para bisagra



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		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/CODE GP130				
			01	02	03	04	05
Coltello/Knife	10,5x12x1,5	CPC01	2	/	/	/	/
Coltello/Knife	11x12x1,5	CPC03	/	2	/	/	/
Coltello/Knife	13x12x1,5	CPC05	/	/	2	/	/
Coltello/Knife	15,5x12x1,5	CPC07	/	/	/	2	/
Coltello/Knife	18x12x1,5	CPC09	/	/	/	/	2
Centrino/Centering Drill	Ø3x33,5	CNTR01	1	1	1	1	1
Rasante/Spur	18x5,7x3,5	IRAS02	2	2	2	2	2
Vite per Coltello/Knife's Screw	M3,5x6,2 Ø9	VT029	2	2	2	2	2
Vite per Coltello/Knife's Screw	M4x8,3 Ø5,7	VT036	2	2	2	2	2
Vite per Coltello/Knife's Screw	M4x5	VT055	1	1	1	1	1
Vite di Regolazione/Adjustment Screw	M5x10	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

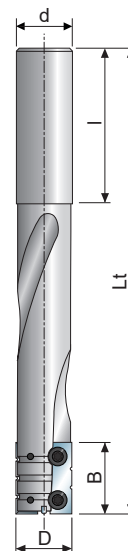
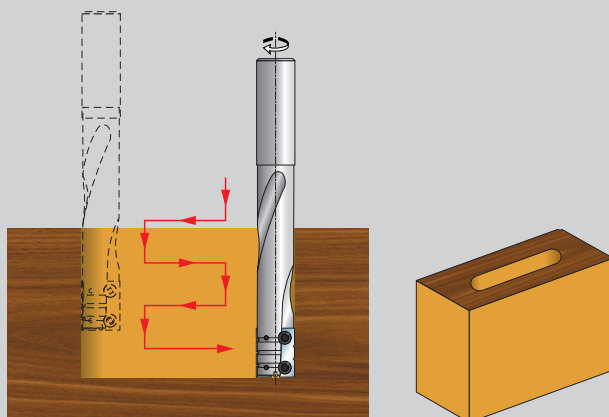
GP 140

FRESA IN ACCIAIO ANTIVIBBRANTE PER SERRATURE

Heavysteel cutter for lock-set

Schlöskastenfräser mit Antivibrationsstahl

Fresa en acero antivibración para cerraduras



ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento

CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
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/CODE 01	GP140 02
Coltello/Knife	23×6×1,5	CMT03	1	/
Coltello/Knife	23×6×1,5	CMT04	1	/
Coltello/Knife	23×7×1,5	CMT05	/	1
Coltello/Knife	23×7×1,5	CMT06	/	1
Vite per Coltello/Knife's Screw	M3×5,8 Ø5,4	VT028	4	4
Chiave per Coltello/Knife's Key	Torx 9	TK009	1	1

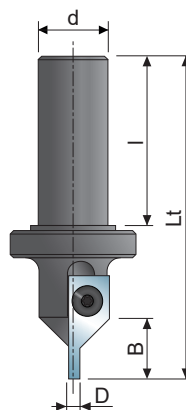
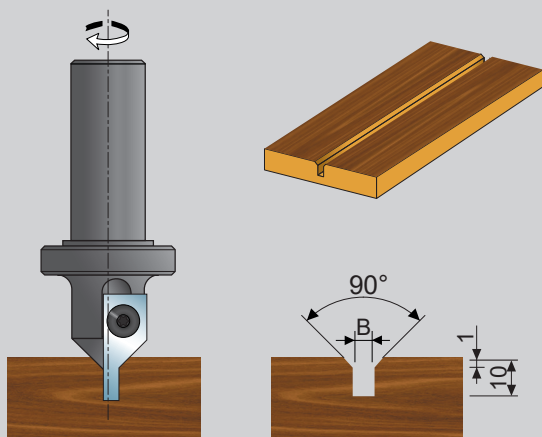
GP 150

FRESA PER CANALI CON SMUSSO

Grooving cutter with bevel

Nutfräser mit Fasen

Fresa para ranurar con biseles



ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		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/CODE GP150					
			01	02	03	04	05	06
Coltelli PR4/Knife PR4	40x12x1,5	CGP01	1	/	/	/	/	/
Coltelli PR5/Knife PR5	40x12x1,5	CGP02	/	1	/	/	/	/
Coltelli PR6/Knife PR6	40x12x1,5	CGP03	/	/	1	/	/	/
Coltelli PR7/Knife PR7	40x12x1,5	CGP04	/	/	/	1	/	/
Coltelli PR8/Knife PR8	40x12x1,5	CGP05	/	/	/	/	1	/
Coltelli PR9/Knife PR9	40x12x1,5	CGP06	/	/	/	/	/	1
Vite per Coltello/Knife's Screw	M3,5x4 Ø9	VT029	1	1	1	1	1	1
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1	1	1

GP 160

FRESA MULTIPROFILO

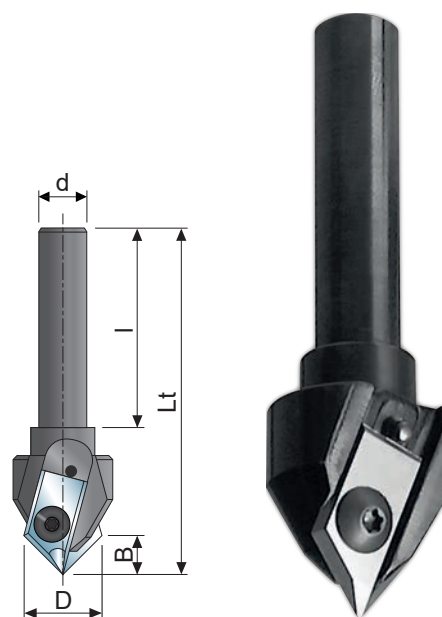
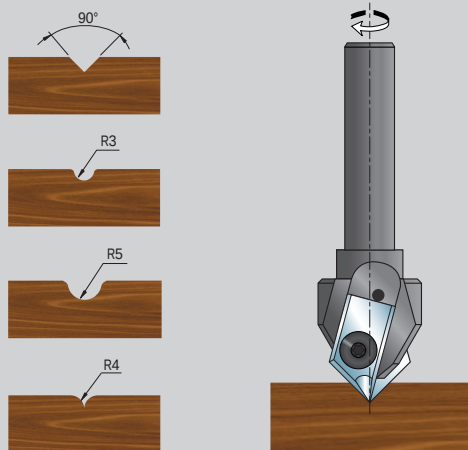
Multiprofile cutter

Multiprofilfräser

Fresa para perfilar

DOTAZIONE DEL KIT

Provided KIT



ESEMPLI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.	KIT
				d mm	l mm			
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/CODE			
			01	02	GP160 03	04
Coltello/Knife	25×12×1,5 90°	CGP07	/	/	2	2
Coltello Conc./Concave Knife	25×12×1,5 r3	CGP08	/	/	2	2
Coltello Conc./Concave Knife	25×12×1,5 r5	CGP09	/	/	2	2
Coltello Conv./Convex Knife	25×12×1,5 r4	CGP10	/	/	2	2
Vite per Coltello/Knife's Screw	M3,5×4 Ø9	VT029	2	2	3	3
Chiave per Coltello/Knife's Key	Torx15	TK015	1	1	1	1
Scatola di legno/Wood box	180×130×55	BOX01	/	/	1	1

GP 165

FRESA MULTIPROFILO

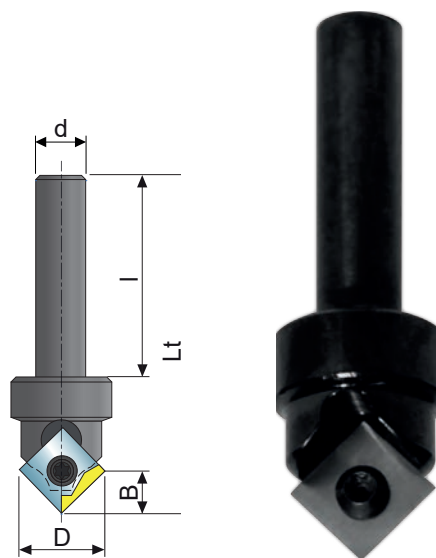
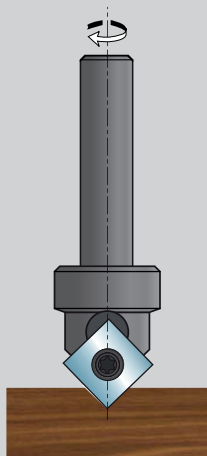
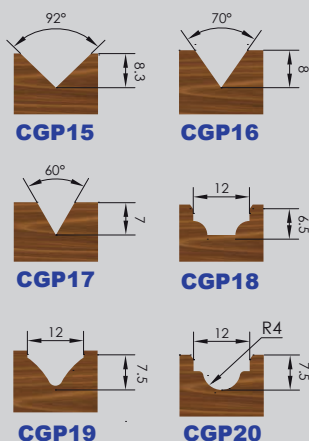
Multiprofile cutter

Multiprofilfräser

Fresa para perfilar

DOTAZIONE DEL KIT

Provided KIT



ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.	KIT
				d mm	l mm			
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	*

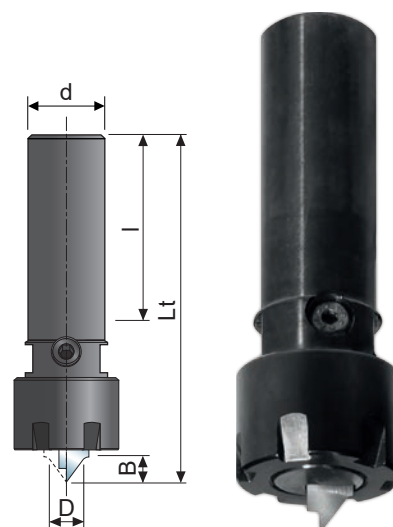
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	CODICE/CODE 02	GP165 03	04
Coltello/Knife	12x12x1,5 92°	CGP15	/	/	1	1
Coltello/Knife	12x12x1,5 70°	CGP16	/	/	1	1
Coltello/Knife	12x12x1,5 60°	CGP17	/	/	1	1
Coltello/Knife	12x12x1,5 PR1	CGP18	/	/	1	1
Coltello/Knife	12x12x1,5 PR2	CGP19	/	/	1	1
Coltello/Knife	12x12x1,5 PR3	CGP20	/	/	1	1
Vite per Coltello/Knife's Screw	M3,5x5,5 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

GP 170

FRESA PER INCISIONI MULTIPROFILO

Multiprofile engraving cutter
Multiprofilschriftfräser
Fresa para grabados para perfilar



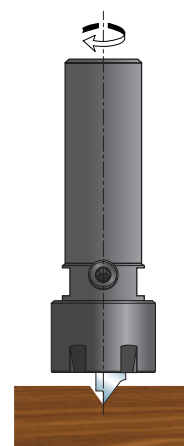
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas

Coltello / Knife : 8 x 15 x 3



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.
				d mm	l mm		
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/CODE 01	GP170 02
Cuneo/Wedge	28,5x8x6,5	CU079	1	1
Ghiera/Loking Ring	Ø28x20	GH005	1	1
Vite per cuneo/Wedge's Screw	M4x16	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



FRESE AP

AP CUTTERS

AP FRÄSER

FRESAS AP

AP 010

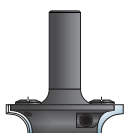


FRESA PER MEZZITONDI

Cutter for half-round
Schafffräser für Halbrunde Profile
Cabezal para medio de redondos

230

AP 015



FRESA PER QUARTO DI TONDO

Cabezal para cuarto de redondos
Schafffräser für Viertelrunde Profile
Cabezal para cuarto de redondos

231

AP 020



FRESA PER GIUNZIONI

Cutter for joints
Fügefräser
Cabezal para juntas

232

AP 030



FRESA MULTIPROFILO PER STONDARE E SMUSSARE

Adjustable multi-profile cutter for rounding and chamfering
Verstellbarer Multiprofilfräser für kanten und abrunden
Cabezal multiperfil regulable para redondear y biselar

234

AP 035



FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø MIN=20 mm

Adjustable multi-profile cutter for rounding and chamfering Ø min 20mm
Verstellbarer Multiprofilfräser für kanten und abrunden - Ø min 20mm
Cabezal multiperfil extensible para redondear o biselar Ø min 20mm

236

AP 040



FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø MIN=80 mm

Adjustable multi-profile cutter for rounding and chamfering Ø min 80mm
Verstellbarer Multiprofilfräser für kanten und abrunden Ø min 80mm
Cabezal multiperfil extensible para redondear o biselar Ø min 80mm

238

AP 050



FRESE PER PORTE - PROFILO E CONTROPROFILO

Cutter for doors - Profile and counterprofile
Profil - und Gegenprofilfräser für Türen
Cabezal para perfil y contraperfil para puertas

240

AP 060



FRESE PER ANTINE - PROFILO E CONTROPROFILO

Cutter for cabinet - Profile and counterprofile
Profil - und Gegenprofilfräser für Türen
Cabezal para perfil y contraperfil para puertas

242

FRESE AP

AP CUTTERS

AP FRÄSER

FRESAS AP

AP 070



PIATTABANDA MULTIPROFILO Z3

Multi-profile platband Z3
Multiprofil Abplattfräser Z3
Platabanda multiperfil Z3

244

AP 080



PIATTABANDA MULTIPROFILO Z2

Multi-profile platband Z2
Multiprofil Abplattfräser Z2
Platabanda multiperfil Z2

246

AP 081



SOTTOPUNTA OPZIONALE PER AP080

Optional drilling insert for AP080
Optionale Spitze für AP080
Inserto adicional por broca montable en AP080

247

AP 090



PIATTABANDA MULTIPROFILO PER SAGOME INTERNE

Multi-profile platband for internal profiles
Multiprofil Abplattfräser für innere Konturen
Platabanda multiperfil para perfiles internos

248

AP 100



FRESA MULTIPROFILO PER SAGOME INTERNE O ESTERNE DI ANTINE

Multi-profile cutter for internal and external profiles for cabinet
Multiprofil Abplattfräser für innere oder äußere Konturen für Schranktüren
Cabezal multiperfil para perfiles internos y externos para puertas

249

AP 110



FRESA MULTIPROFILO PER SAGOME ESTERNE DI ANTINE

Multi-profile cutter for external profiles for cabinet
Multiprofil Abplattfräser für äußere Konturen für Schranktüren
Cabezal multiperfil para perfiles externos para puertas

250

AP 120



FRESA MULTIPROFILO PER SAGOME INTERNE - COLTELLO BIFACCIALE

Multi-profile cutter for internal profiles - Double-sided knife
Multiprofilfräser für innere Konturen - Zweiseitiges Messer
Cabezal multiperfil para perfiles internos - Cuchilla bilateral

252

AP 130



FRESA MULTIPROFILO PER SAGOME INTERNE - COLTELLO FIX

Multi-profile cutter for internal profiles - FIX Knife
Multiprofilfräser für Innenprofile - Messer FIX
Fresa multiperfil para perfiles interiores - Cuchilla FIX

254

AP 140



FRESA PROFILATA PER SAGOME INTERNE

Profiled cutter for internal profiles
Profilfräser für innere Konturen
Cabezal perfilada para perfiles internos

255

AP 150



FRESA MULTIPROFILO CON CONTROPLACCHE

Multi-profile cutter with backplates
Multiprofilfräser mit Gegenplatten
Cabezal multiperfil con soporte

256

AP 160



FRESA MULTIPROFILO PER CORNICI

Multi-profile cutter for frames
Multiprofilfräser für Rahmen
Cabezal multiperfil por marcos

258

AP 170



FRESA SAGOMATA CON PROFILO DA 0 A 10 mm

Profiled cutter for profiles from 0 to 10 mm
Profilfräser, für Profil vom 0 bis 10 mm
Cabezal multiperfil de 0 a 10 mm

259

AP 180



FRESA SAGOMATA CON PROFILO DA 10 A 20 mm

Profiled cutter for profiles from 10 to 20 mm
Profilfräser, für Profil vom 10 bis 20 mm
Cabezal multiperfil de 10 a 20 mm

260

AP 010

FRESA PER MEZZITONDI

Cutter for half-round
Schaftfräser für Halbrunde Profile
Cabezal para medio de redondos

A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

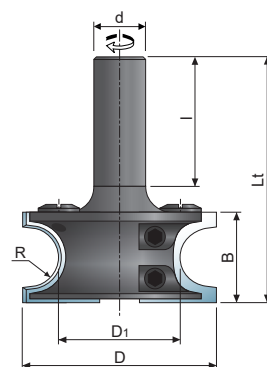
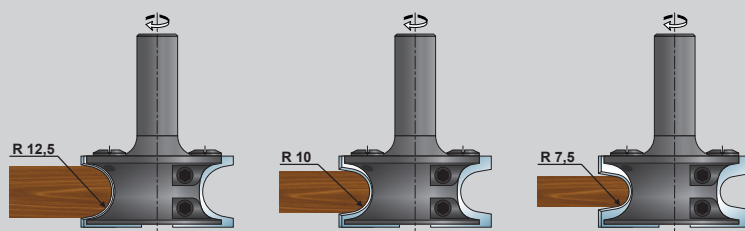
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 7,5-10-12,5

Set of knives included with radius 7,5-10-12,5
Begreifende Messerset mit Radius 7,5-10-12,5
Set de cuchillas con radio 7,5-10-12,5 incluidos



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO - SHANK		Z	R
					d mm	l mm		
AP01001	75	45	35	95	20/25	50	2	7,5
AP01002	75	45	35	95	20/25	50	2	10
AP01003	75	45	35	95	20/25	50	2	12,5
AP01004	75	45	35	95	20/25	50	2	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04
Coltello/Knife	35x30x3 R12,5	CSAP001	/	/	2	2
Coltello/Knife	35x30x3 R10	CSAP002	/	2	/	2
Coltello/Knife	35x30x3 R7,5	CSAP003	2	/	/	2
Cuneo/Wedge	32x20x8	CU099	2	2	2	2
Vite per Cuneo/Wedge's Screw	M8x10	VT026	4	4	4	4
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	2	2	2	2
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1

AP 015

FRESA PER QUARTO DI TONDO

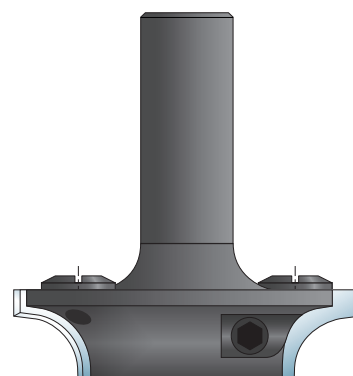
Cabezal para cuarto de redondos
Schaftfräser für Viertelrunde Profile
Cabezal para cuarto de redondos

A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

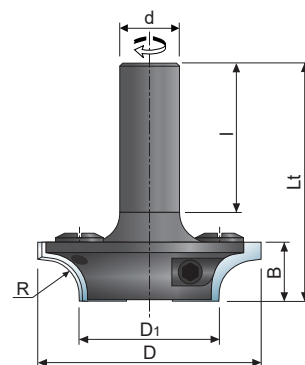
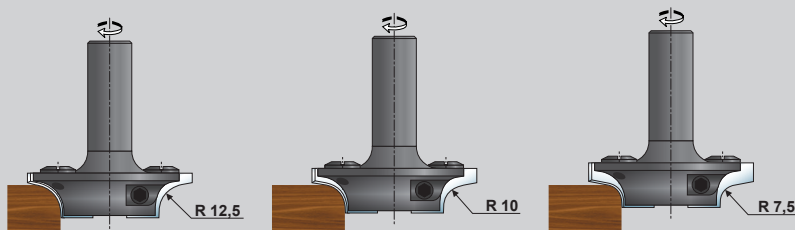
* COMPRENDE UN SET DI COLTELLI CON RAGGI: 7,5-10-12,5

Set of knives included with radius 7,5-10-12,5
Begreifende Messerset mit Radius 7,5-10-12,5
Set de cuchillas con radio 7,5-10-12,5 incluidos



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO - SHANK		Z	R
					d mm	l mm		
AP01501	75	45	20	80	20/25	50	2	7,5
AP01502	75	45	20	80	20/25	50	2	10
AP01503	75	45	20	80	20/25	50	2	12,5
AP01504	75	45	20	80	20/25	50	2	*

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04
Coltello/Knife	20x30x3 R12,5	CSAP004	/	/	2	2
Coltello/Knife	20x30x3 R10	CSAP005	/	2	/	2
Coltello/Knife	20x30x3 R7,5	CSAP006	2	/	/	2
Cuneo/Wedge	18x20x8	CU131	2	2	2	2
Vite per Cuneo/Wedge's Screw	M8x10	VT026	4	4	4	2
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	2	2	2	2
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1	1

AP 020

FRESA PER GIUNZIONI

Cutter for joints
Fügefräser
Cabezal para juntas

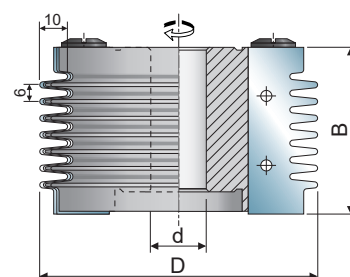
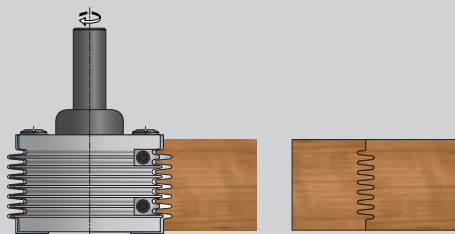


A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

ESEMPI DI LAVORAZIONE

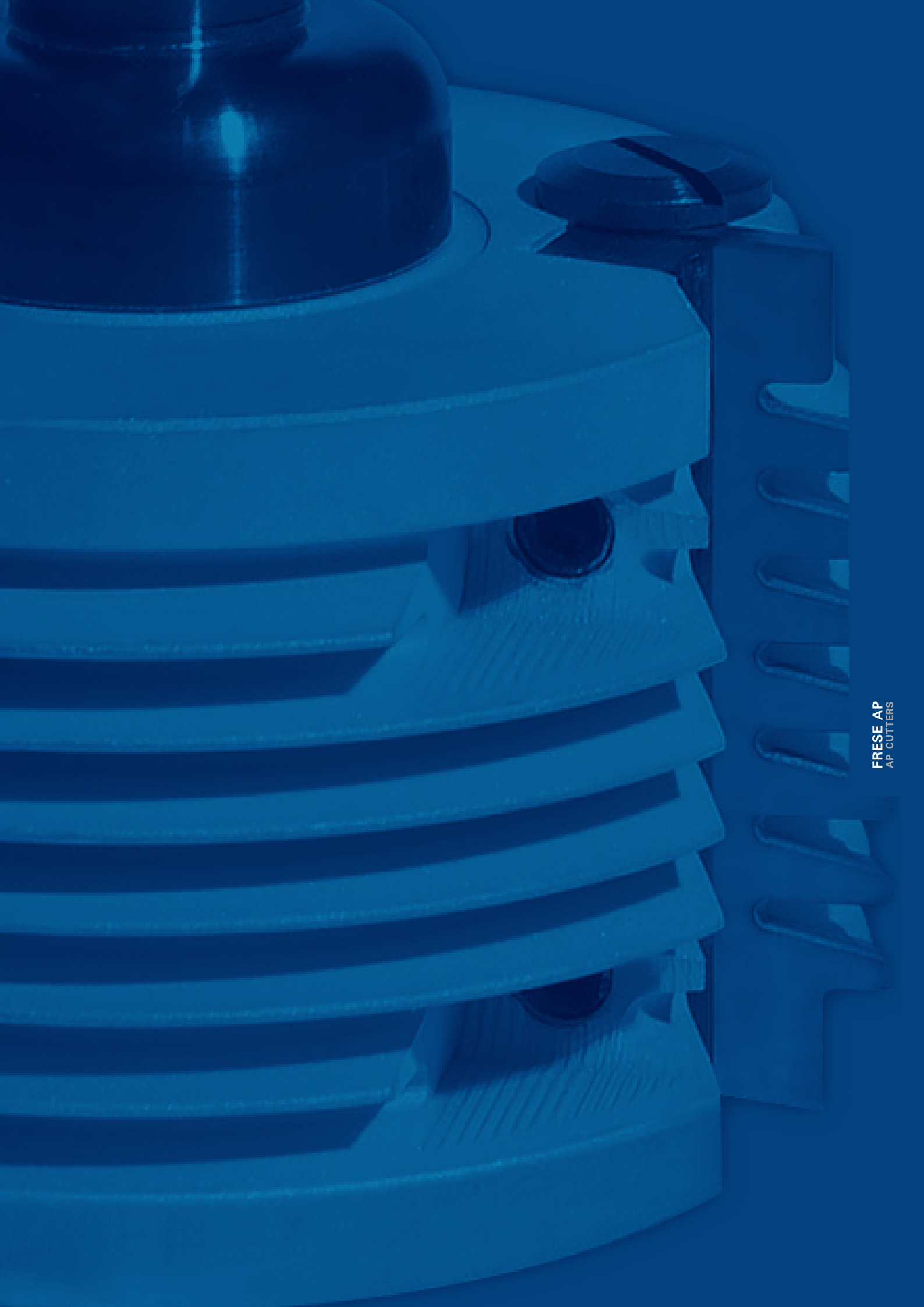
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	ATTACCO - SHANK d mm	l mm	Z
AP02001	100	60	20/25	50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP020
Coltello/Knife	60x25x3	CSAP035	2	
Cuneo/Wedge	58x12x8	CU123	2	
Vite per Cuneo/Wedge's Screw	M8x10	VT015	4	
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	2	
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	



AP 030

FRESA MULTIPROFILO PER STONDARE E SMUSSARE

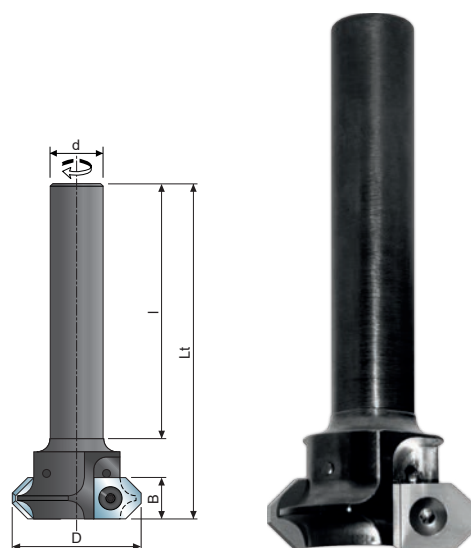
Adjustable multi-profile cutter for rounding and chamfering
Verstellbarer Multiprofilfräser für kanten und abrunden
Cabezal multiperfil regulable para redondear y biselar

A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas



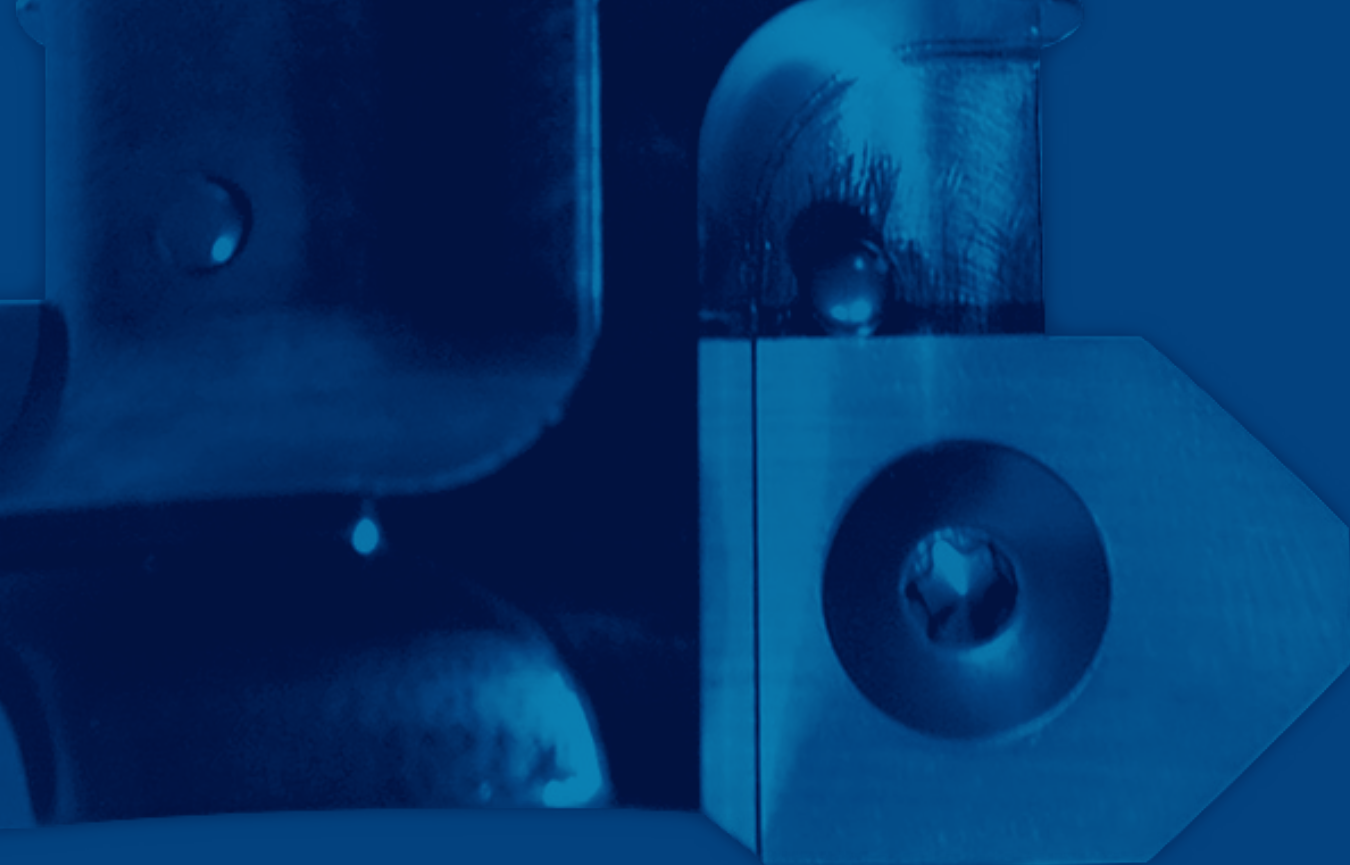
CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm	l mm	Z	ROTAT. ROTAT.
AP03001	50	16	130	20/25	100	2	R

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP030
Vite di Riferimento/Positioning Screw	M4x8,3 Ø9	VT013	2	
Chiave per Cuneo/Wedge's Key	Torx 15	TK015	1	

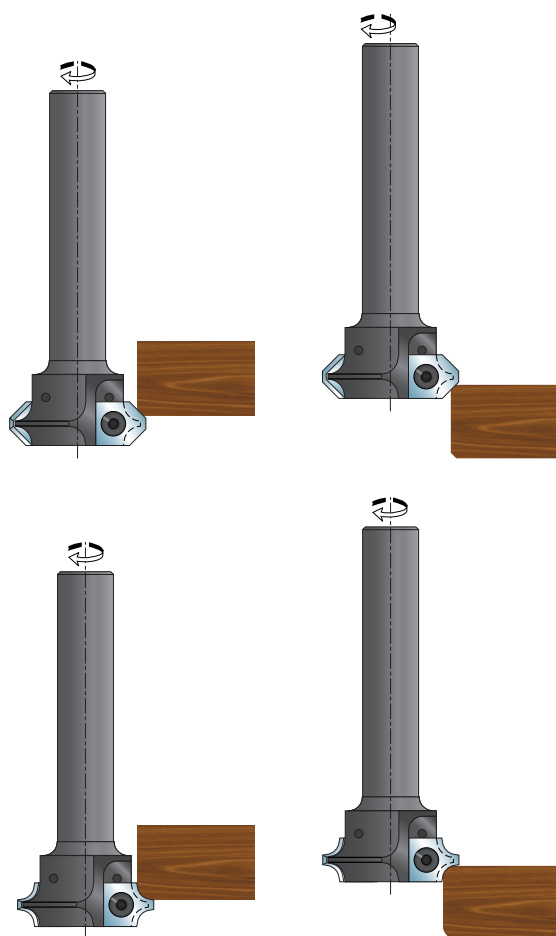
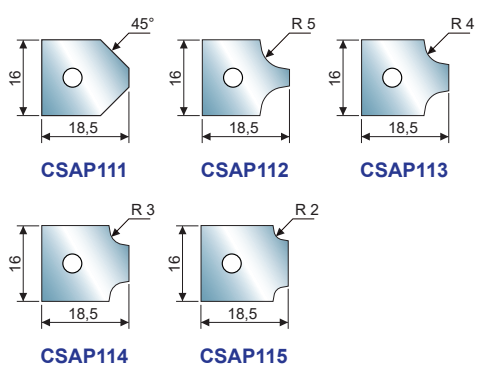
COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP030
Coltello 45°/Knife 45°	16x18,5x2	CSAP111	2	
Coltello R2/Knife R2	16x18,5x2	CSAP115	2	
Coltello R3/Knife R3	16x18,5x2	CSAP114	2	
Coltello R4/Knife R4	16x18,5x2	CSAP113	2	
Coltello R5/Knife R5	16x18,5x2	CSAP112	2	



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



AP 035

FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø min = 20 mm

Adjustable multi-profile cutter for rounding and chamfering Ø min 20 mm

Verstellbarer Multiprofilfräser für kanten und abrunden - Ø min 20 mm

Cabezal multiperfil extensible para redondear o biselar Ø min 20 mm

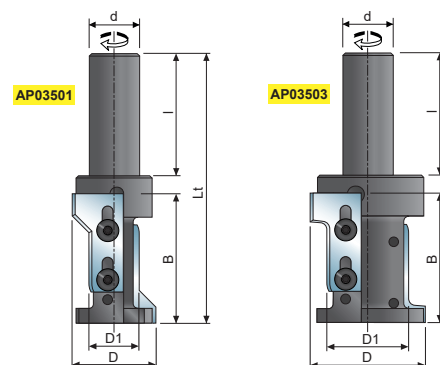


A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

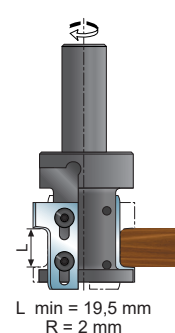
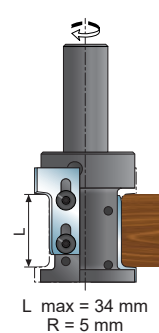
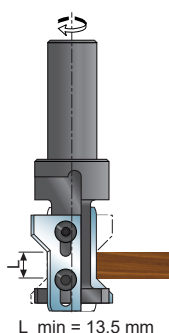
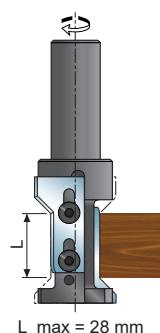
I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas



ESEMPI DI LAVORAZIONE

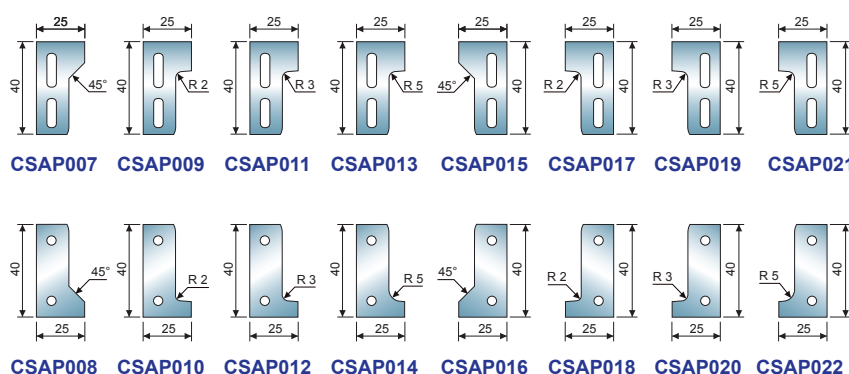
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	D1 mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTATZ. ROTAT.
					d mm	l mm		
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

COLTELLI STANDARD

Standard knives



DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE AP035			
			01	02	03	04
Vite per Coltello/Knife's Screw	M4x8,3 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/CODE AP035			
			01	02	03	04
Coltello 45° A/Knife 45° A	40x25x2 DX	CSAP007	1	/	1	/
Coltello 45° B/Knife 45° B	40x25x2 DX	CSAP008	1	/	1	/
Coltello R2 A/Knife R2 A	40x25x2 DX	CSAP009	1	/	1	/
Coltello R2 B/Knife R2 B	40x25x2 DX	CSAP010	1	/	1	/
Coltello R3 A/Knife R3 A	40x25x2 DX	CSAP011	1	/	1	/
Coltello R3 B/Knife R3 B	40x25x2 DX	CSAP012	1	/	1	/
Coltello R5 A/Knife R5 A	40x25x2 DX	CSAP013	1	/	1	/
Coltello R5 B/Knife R5 B	40x25x2 DX	CSAP014	1	/	1	/
Coltello 45° A/Knife 45° A	40x25x2 DX	CSAP015	/	1	/	1
Coltello 45° B/Knife 45° B	40x25x2 DX	CSAP016	/	1	/	1
Coltello R2 A/Knife R2 A	40x25x2 DX	CSAP017	/	1	/	1
Coltello R2 B/Knife R2 B	40x25x2 DX	CSAP018	/	1	/	1
Coltello R3 A/Knife R3 A	40x25x2 DX	CSAP019	/	1	/	1
Coltello R3 B/Knife R3 B	40x25x2 DX	CSAP020	/	1	/	1
Coltello R5 A/Knife R5 A	40x25x2 DX	CSAP021	/	1	/	1
Coltello R5 B/Knife R5 B	40x25x2 DX	CSAP022	/	1	/	1

AP 040

FRESA MULTIPROFILO PER STONDARE E SMUSSARE REGOLABILE Ø min = 80 mm

Adjustable multi-profile cutter for rounding
and chamfering Ø min 80mm

Verstellbarer Multiprofilfräser für kanten
und abrunden Ø min 80mm

Cabezal multiperfil extensible para redondear
o biselar Ø min 80mm

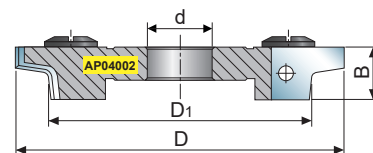
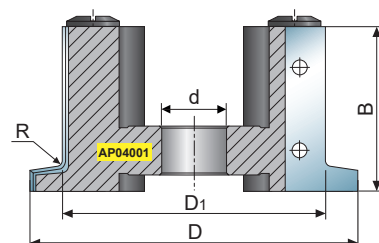


A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

I COLTELLI NON SONO INCLUSI NELLA TESTA

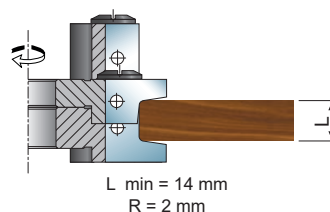
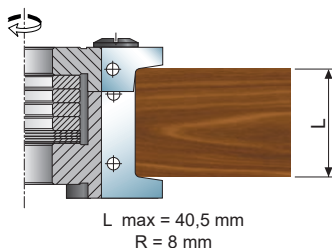
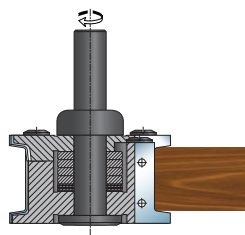
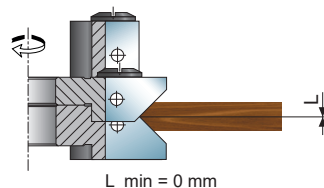
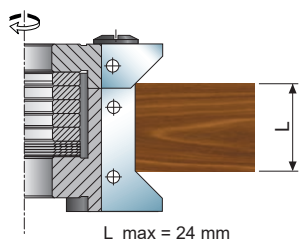
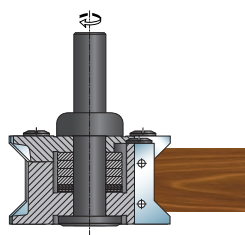
Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas



CODICE CODE	D mm	D1 mm	B mm	ATTACCO - SHANK		Z
				d mm	l mm	
AP04001	100	80	50	20/25	50	2
AP04002	100	80	16	20/25	50	2

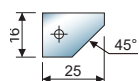
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE		AP040
			01	02	
Cuneo/Wedge	48x15x8	CU130	2	/	
Cuneo/Wedge	15x15x8	CU124	/	2	
Set Anelli/Set Rings	Ø20x25	SA022	1	1	
Vite per cuneo/Wedge's Screw	M8x10	VT015	4	2	
Viti di Riferimento/Positioning Screw	M5x7 Ø16	VT012	2	2	

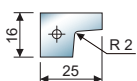


ESEMPI DI LAVORAZIONE

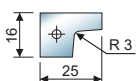
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



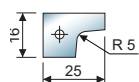
CSAP029



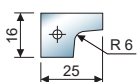
CSAP030



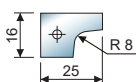
CSAP031



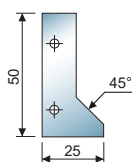
CSAP032



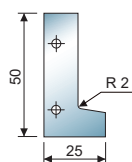
CSAP033



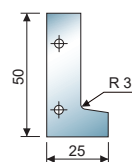
CSAP034



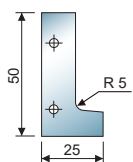
CSAP023



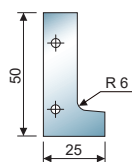
CSAP024



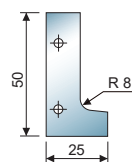
CSAP025



CSAP026



CSAP027



CSAP028

COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE		AP040
			01	02	
Coltello 45°/Knife 45°	50×25×2	CSAP023	2	/	
Coltello R2/Knife R2	50×25×2	CSAP024	2	/	
Coltello R3/Knife R3	50×25×2	CSAP025	2	/	
Coltello R5/Knife R5	50×25×2	CSAP026	2	/	
Coltello R6/Knife R6	50×25×2	CSAP027	2	/	
Coltello R8/Knife R8	50×25×2	CSAP028	2	/	
Coltello 45°/Knife 45°	16×25×2	CSAP029	/	2	
Coltello R2/Knife R2	16×25×2	CSAP030	/	2	
Coltello R3/Knife R3	16×25×2	CSAP031	/	2	
Coltello R5/Knife R5	16×25×2	CSAP032	/	2	
Coltello R6/Knife R6	16×25×2	CSAP033	/	2	
Coltello R8/Knife R8	16×25×2	CSAP034	/	2	

AP 050

FRESE PER PORTE PROFILO E CONTROPROFILO

Cutter for doors - Profile and counterprofile
 Profil - und Gegenprofilfräser für Türen
 Cabezal para perfil y contraperfil para puertas



* CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA.

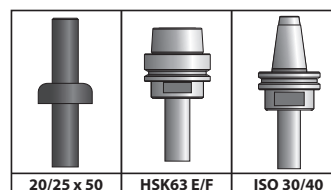
Light alloy body, do not use caustic soda.
 Körper aus Leichtmetall-Legierung, kein Ätznatron verwenden
 Cuerpo en aleación ligera, no utilizar sosa cáustica.

A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
 Weitere Profile auf Anfrage verfügbar
 Más perfiles disponibles a pedir

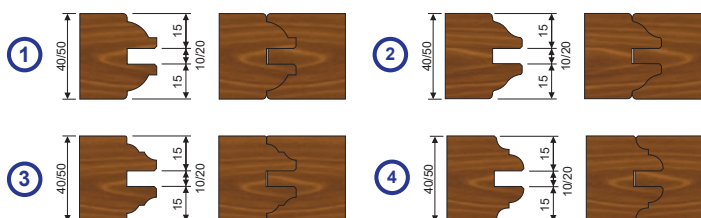
MANDRINO PORTAFRESA NON COMPRESO

Toolholder not included



ESEMPI DI PROFILI

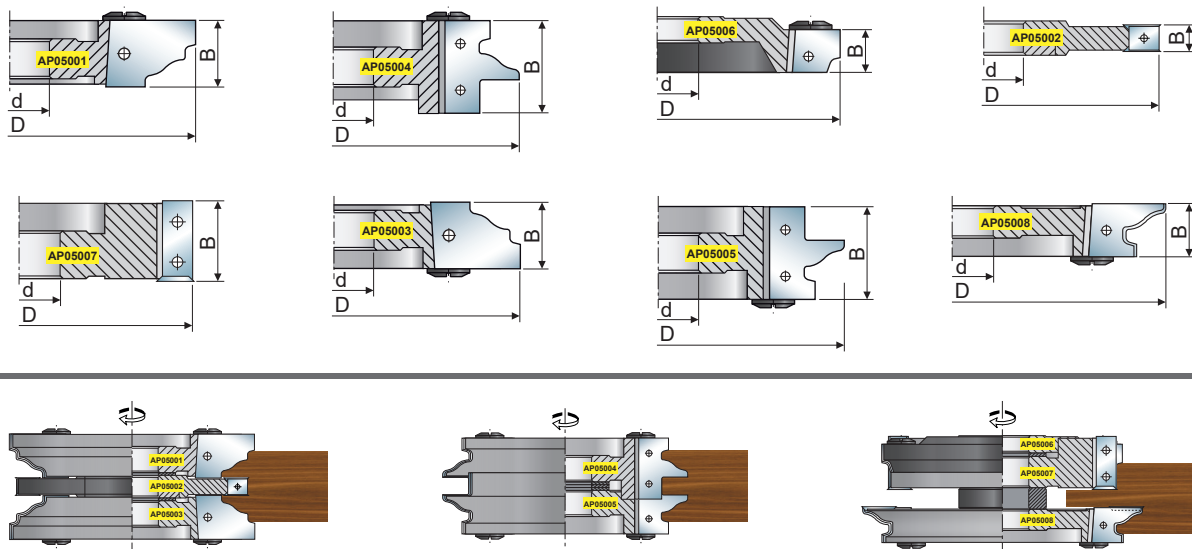
Example of Profile



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

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05	06	07	08
Coltello/Knife	25x35x2 DX	CSAP036	3	/	/	/	/	/	/	/
Coltello/Knife	9,6x12x1,5	CGZ204	/	4	/	/	/	/	/	/
Coltello/Knife	25x35x2 SX	CSAP037	/	/	3	/	/	/	/	/
Coltello/Knife	35x30x2 DX	CSAP038	/	/	/	3	/	/	/	/
Coltello/Knife	35x30x2 SX	CSAP039	/	/	/	/	3	/	/	/
Coltello/Knife	16x20x2	CSAP040	/	/	/	/	/	3	/	/
Coltello/Knife	30x12x1,5	CGZ211	/	/	/	/	/	/	3	/
Coltello/Knife	20x30x2	CSAP041	/	/	/	/	/	/	/	3
Rasante/Spur	14x14x2	RAS02	/	/	/	/	/	/	3	/
Rasante/Spur	22x19x2	RAS06	/	/	/	/	/	/	/	3
Cuneo/Wedge	24x25x8 DX	CU145	3	/	/	/	/	/	/	/
Cuneo/Wedge	9x12x10	CU008	/	4	/	/	/	/	/	/
Cuneo/Wedge	24x25x8 SX	CU146	/	/	3	/	/	/	/	/
Cuneo/Wedge	35x12x8 DX	CU147	/	/	/	3	/	/	/	/
Cuneo/Wedge	35x12x8 SX	CU148	/	/	/	/	3	/	/	/
Cuneo/Wedge	16x13,5x8	CU149	/	/	/	/	/	3	/	/
Cuneo/Wedge	26x15x8	CU002	/	/	/	/	/	/	3	/
Cuneo/Wedge	19x15x8	CU150	/	/	/	/	/	/	/	3
Vite per Cuneo/Wedge's Screw	M8x16	VT005	3	/	3	6	6	3	6	3
Vite per Cuneo/Wedge's Screw	M6x16	VT006	/	4	/	/	/	/	/	/
Vite per Rasante/Spur's Screw	M5x6,5 Ø9	VT064	/	4	/	/	/	/	/	/
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT001	3	/	3	3	3	3	/	3
Set Anelli/Set Rings	d30x12,4	SA023		*		/	/	/	/	/
Set Anelli/Set Rings	d30x15	SA024	/	/	/	*	/	/	/	/
Set Anelli/Set Rings	d30x24,6	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

AP 060

FRESA PER ANTINE PROFILO E CONTROPROFILO

Cutter for cabinet - Profile and counterprofile
 Profil - und Gegenprofilfräser für Türen
 Fresa para perfil y contraperfil para puertas

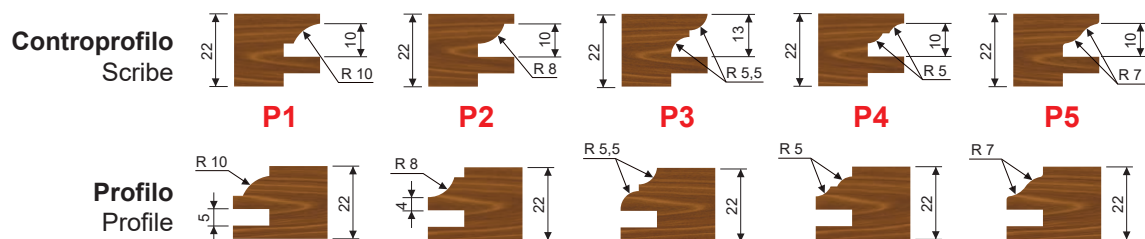


A RICHIESTA DISPONIBILI ALTRI PROFILI

More profile available on request
 Weitere Profile auf Anfrage verfügbar
 Más perfiles disponibles a pedir

ESEMPI DI PROFILI

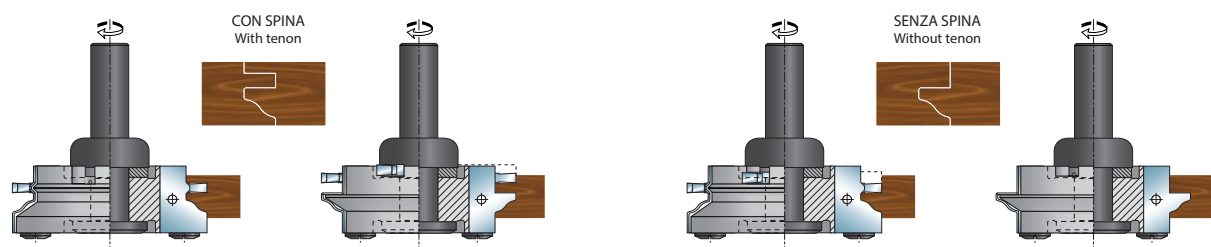
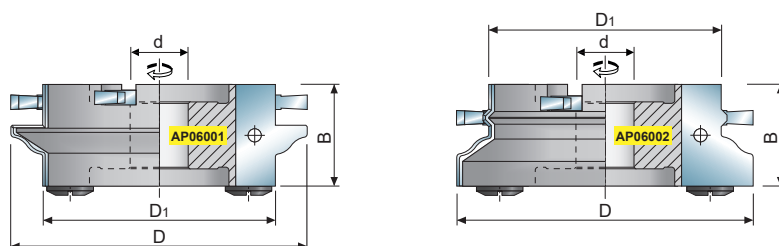
Example of Profile



CODICE CODE	D mm	D1 mm	B mm	ATTACCO - SHANK		Z
				d mm	l mm	
AP06001	102	80	35	20/25	50	2
AP06002	102	80	35	20/25	50	2

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP060 02
Inserto/Insert	25×16×5	IPC07	2	2
Inserto/Insert	25×16×6	IPC08	2	2
Cuneo/Wedge	35×20×8	CU069	2	/
Cuneo/Wedge	35×20×8	CU070	/	2
Vite per Cuneo/Wedge's Screw	M8×16	VT005	4	4
Vite di Riferimento/Positioning Screw	M5×7 Ø16	VT012	2	2
Vite per Inserti/Insert's Screw	M5×10	VT003	4	4
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1
Chiave per Inserti/Insert's Key	Esagonale 3	CH003	1	1

COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP060 02
Coltello Prof. P1/Profile Knife P1	35×30×3	CSAP042	2	/
Coltello Prof. P2/Profile Knife P2	35×30×3	CSAP043	2	/
Coltello Prof. P3/Profile Knife P3	35×30×3	CSAP044	2	/
Coltello Prof. P4/Profile Knife P4	35×30×3	CSAP045	2	/
Coltello Prof. P5/Profile Knife P5	35×30×3	CSAP046	2	/
Coltello C. Prof. P1/Scribe Knife P1	35×30×3	CSAP047	/	2
Coltello C. Prof. P2/Scribe Knife P2	35×30×3	CSAP048	/	2
Coltello C. Prof. P3/Scribe Knife P3	35×30×3	CSAP049	/	2
Coltello C. Prof. P4/Scribe Knife P4	35×30×3	CSAP050	/	2
Coltello C. Prof. P5/Scribe Knife P5	35×30×3	CSAP051	/	2

AP 070

PIATTABANDA MULTIPROFILO Z3

Multi-profile platband Z3
Multiprofil Abplattfräser Z3
Platabanda multiperfil Z3



I PROFILI SONO GLI STESSI OTTENIBILI CON LE AT087

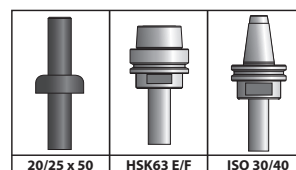
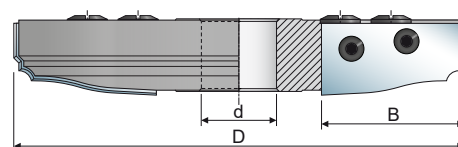
The profiles are the same as those that can be had with the AT087
Dieselben Profile können Anwendung der Art.-Nr. AT087
Los perfiles son los mismos conseguibles con los cód. AT087

A RICHIESTA DISPONIBILI ALTRI PROFILI

More profiles available on request
Weitere Profile auf Anfrage verfügbar
Más perfiles disponibles a pedir

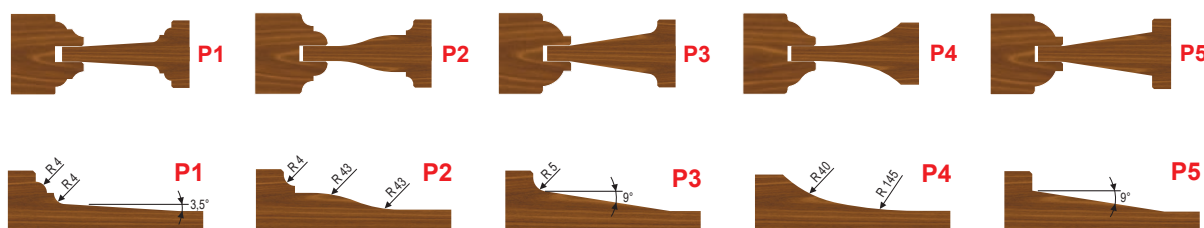
MANDRINO PORTAFRESA NON COMPRESO

Toolholder not included



ESEMPI DI PROFILI

Example of Profile



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

CORPO IN LEGA LEGGERA, NON USARE SODA CAUSTICA

Light alloy body, do not use caustic soda.

Körper aus Leichtmetall-Legierung,
kein Ätznatron verwenden

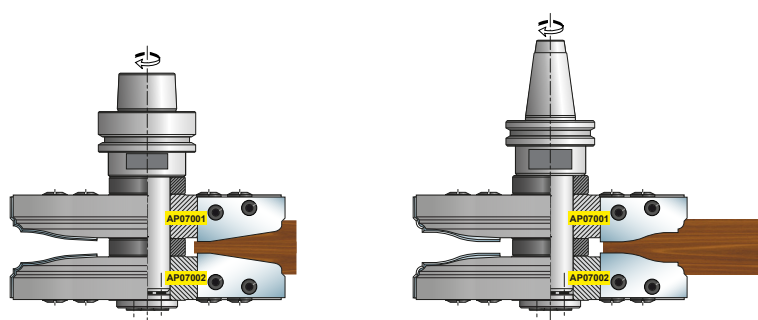
Cuerpo en aleación ligera, no utilizar
sosa cáustica.

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE				AP070
			01	02	03	04	
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	6	6	6	6	
Vite per Coltelli/Knife's Screw	M6x13 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/CODE				AP070
			01	02	03	04	
Coltello P1/Knife P1	55x30x3 DX	CSAP052	3	/	3	/	
Coltello P2/Knife P2	55x30x3 DX	CSAP053	3	/	3	/	
Coltello P3/Knife P3	55x30x3 DX	CSAP054	3	/	3	/	
Coltello P4/Knife P4	55x30x3 DX	CSAP055	3	/	3	/	
Coltello P5/Knife P5	55x30x3 DX	CSAP056	3	/	3	/	
Coltello P1/Knife P1	55x30x3 SX	CSAP057	/	3	/	3	
Coltello P2/Knife P2	55x30x3 SX	CSAP058	/	3	/	3	
Coltello P3/Knife P3	55x30x3 SX	CSAP059	/	3	/	3	
Coltello P4/Knife P4	55x30x3 SX	CSAP060	/	3	/	3	
Coltello P5/Knife P5	55x30x3 SX	CSAP061	/	3	/	3	

AP 080

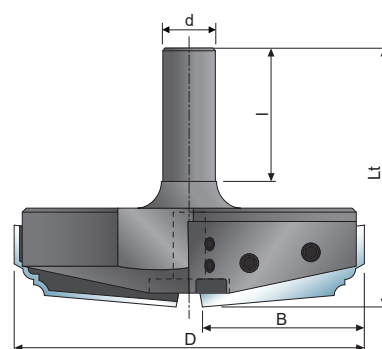
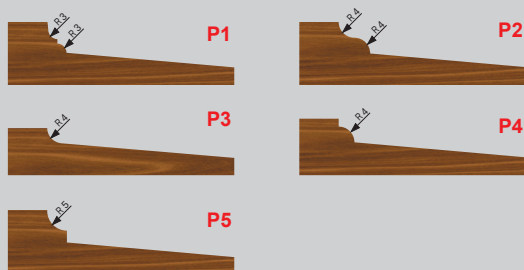
PIATTABANDA MULTIPROFILO Z2

Multi-profile platband Z2
Multiprofil Abplattfräser Z2
Platabanda multiperfil Z2



ESEMPI DI PROFILI

Example of Profile



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
AP08001	138	46,5	97	20/25	50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP080
Cuneo/Wedge	58x15x8	CU046	2	
Vite per Cuneo/Wedge's Screw	M8x16	VT005	4	
Vite per AP081/Screw for AP081	M5x10	VT038	2	
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	

COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP080
Coltello P1/Knife P1	65x25x2	CSAP062	2	
Coltello P2/Knife P2	65x25x2	CSAP063	2	
Coltello P3/Knife P3	65x25x2	CSAP064	2	
Coltello P4/Knife P4	65x25x2	CSAP065	2	
Coltello P5/Knife P5	65x25x2	CSAP066	2	
Supporto P1/Support Plate P1	62x25x4	SU016	2	
Supporto P2/Support Plate P2	62x25x4	SU017	2	
Supporto P3/Support Plate P3	62x25x4	SU018	2	
Supporto P4/Support Plate P4	62x25x4	SU019	2	
Supporto P5/Support Plate P5	62x25x4	SU020	2	

AP 081

SOTTOPUNTA OPZIONALE PER AP 080

Optional drilling insert for AP 080

Optionale Spitze für AP 080

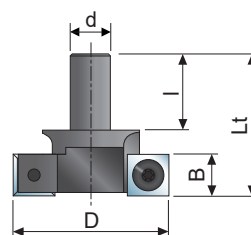
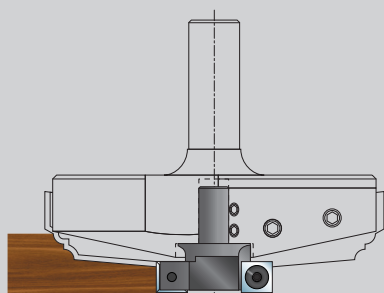
Inserto adicional por broca montable en AP 080

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z
				d mm	l mm	
AP08101	45	12	40	12	22	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP081
Coltello/Knife	12×12×1,5	CGZ203	2	
Vite per Coltello/Knife's Screw	M3,5×7 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	

AP 090

PIATTABANDA MULTIPROFILO PER SAGOME INTERNE

Multi-profile platband for internal profiles
Multiprofil Abplattfräser für innere Konturen
Platabanda multiperfil para perfiles internos

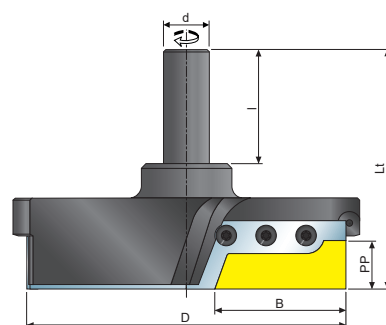


AREA PROFILABILE

Area to be profiled
Profilierbarer Bereich
Área a perfilar

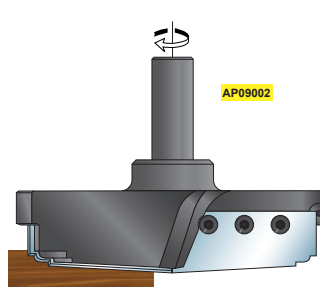
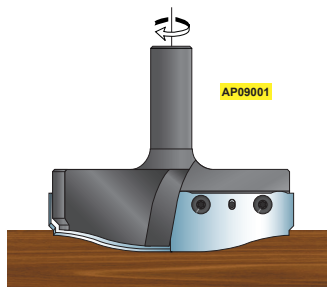
MATERIALE : MDF - LEGNO

Material : MDF - Wood
Werkstoff : MDF - Holz
Material : MDF - Madera



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	PP mm	Lt mm	ATTACCO - SHANK d mm l mm	Z
AP09001	119	59,5	14	100	20 50	2
AP09002	140	57	21	105	20 50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP090 02
Coltelli/Knife	70x30x2	CSAP067	/	2
Coltelli FIX/Knife FIX	60x30x2	CSAP068	2	/
Vite per coltello/Knife's Screw	M4x8,3 Ø9	VT013	/	6
Vite per coltello/Knife's Screw	M5x10,2 Ø10,5	VT004	4	/
Chiave per Coltello/Knife's Key	Torx 15	TK015	/	1
Chiave per Coltello/Knife's Key	Torx 20	TK020	1	/

AP 100

FRESA MULTIPROFILO PER SAGOME INTERNE O ESTERNE DI ANTINE

Multi-profile cutter for internal and external profiles for cabinet
 Multiprofil Abplattfräser für innere oder äußere Konturen für Schranktüren
 Cabezal multiperfil para perfiles internos y externos para puertas



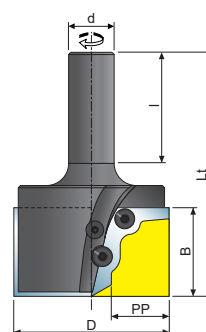
AREA PROFILABILE



Area to be profiled
 Profilierbarer Bereich
 Área a perfilar

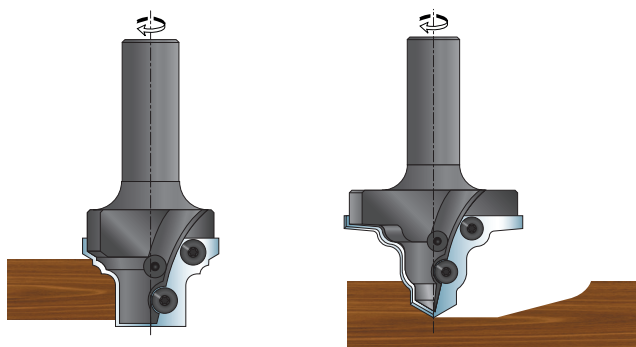
MATERIALE : MDF - LEGNO

Material : MDF - Wood
 Werkstoff : MDF - Holz
 Material : MDF - Madera



ESEMPI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



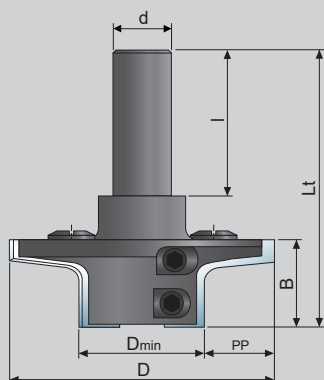
CODICE CODE	D max mm	B max mm	PP mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
AP10001	70	29	22	100	20	50	2
AP10002	70	39	22	110	20	50	2
AP10003	90	39	32	110	20	50	2

DISTINTA BASE/Bill of Materials						
DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE			AP100
			01	02	03	
Coltello/Knife	30x35x2	CSAP069	2	/	/	
Coltello/Knife	40x35x2	CSAP070	/	2	/	
Coltello/Knife	40x45x2	CSAP071	/	/	2	
Vite per Coltello/Knife's Screw	M4x8,3 Ø9	VT013	4	4	4	
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	

AP 110

FRESA MULTIPROFILO PER SAGOME ESTERNE DI ANTINE

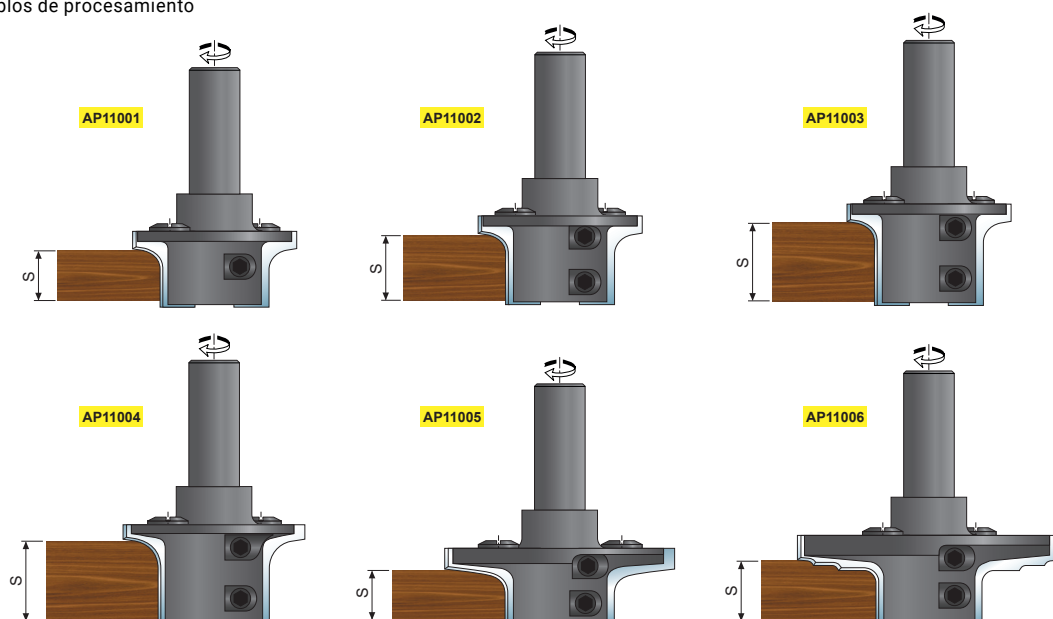
Multi-profile cutter for external profiles for cabinet
Multiprofil Abplattfräser für äußere Konturen für Schranktüren
Cabezal multiperfil para perfiles externos para puertas



CODICE CODE	D mm	D min mm	B mm	S max mm	PP mm	Lt mm	ATTACCO - SHANK d mm 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

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE AP110					
			01	02	03	04	05	06
Coltello/Knife	30x25x2	CSAP072	2	/	/	/	/	/
Coltello/Knife	35x25x2	CSAP073	/	2	/	/	/	/
Coltello/Knife	40x25x2	CSAP074	/	/	2	/	/	/
Coltello/Knife	40x30x2	CSAP075	/	/	/	2	/	/
Coltello/Knife	30x40x2	CSAP076	/	/	/	/	2	/
Coltello/Knife	50x35x2	CSAP077	/	/	/	/	/	2
Cuneo/Wedge	28x15x8	CU072	2	/	/	/	/	/
Cuneo/Wedge	33x15x8	CU073	/	2	/	/	/	/
Cuneo/Wedge	38x15x8	CU074	/	/	2	/	/	/
Cuneo/Wedge	38x25x8	CU075	/	/	/	2	/	/
Cuneo/Wedge	28x25x8	CU076	/	/	/	/	2	/
Cuneo/Wedge	34x42x8	CU077	/	/	/	/	/	2
Vite per Cuneo/Wedge's Screw	M8x10	VT015	2	4	4	/	4	/
Vite per Cuneo/Wedge's Screw	M8x12	VT049	/	/	/	4	/	4
Vite di Riferimento/Positioning Screw	M5x7 Ø16	VT012	2	2	2	2	2	2
Chiave per Cuneo/Wedge's Key	Esagonale	CH004	1	1	1	1	1	1

AP 120

FRESA MULTIPROFILO PER SAGOME INTERNE COLTELLO BIFACCIALE

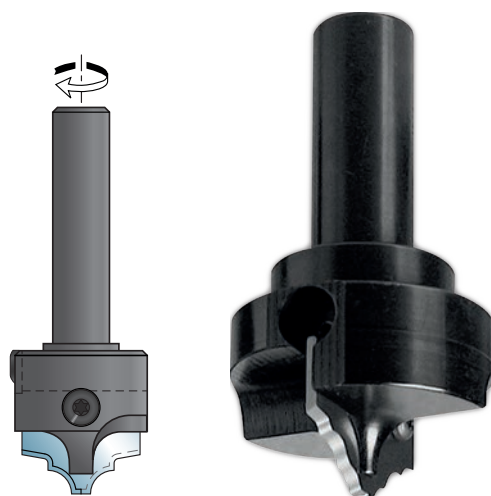
Multi-profile cutter for internal profiles
Double-sided knife

Multiprofilfräser für innere Konturen
Zweiseitiges Messer

Cabezal multiperfil para perfiles internos
Cuchilla bilateral

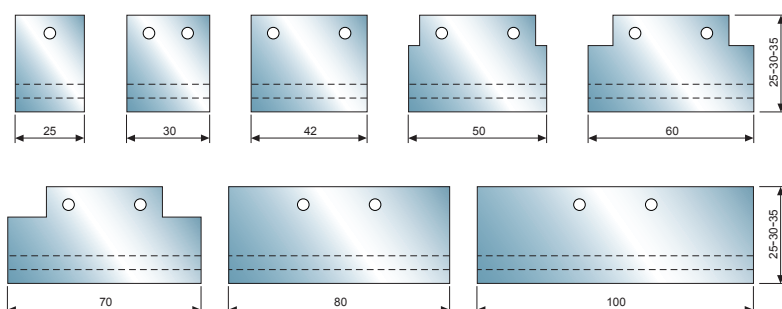
MATERIALE:
MDF - MATERIE PLASTICHE

Material : MDF - Plastic materials
Werkstoff : MDF - Plastikstoffe
Material : MDF - Materiales plásticos



I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
Die Köpfe werden ohne Messer geliefert
Los cabezales vienen sin cuchillas



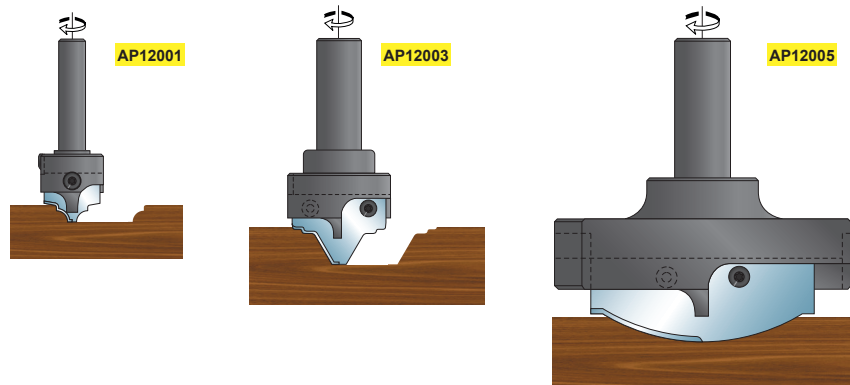
CODICE CODE	D mm	B mm	PP Max mm	Lt mm	ATTACCO - SHANK		Z
					d mm	l mm	
AP12001	28	25	12-17-22	82-87-92	12	50	2
AP12002	28	25	12-17-22	82-87-92	16	50	2
AP12003	49	30/42	12-17-22	94-99-104	20	50	2
AP12004	49	30/42	12-17-22	94-99-104	25	50	2
AP12005	106	80/90/100	12-17-22	104-109-114	20	50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	01	02	03	04	05
Viti di Riferimento/Positioning Screw	M3,5x4 Ø9	VT029	1	1	1	1	1
Vite per coltello/Knife's Screw	M3,5x10 Ø7,5	VT031	1	1	2	2	2
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1	1

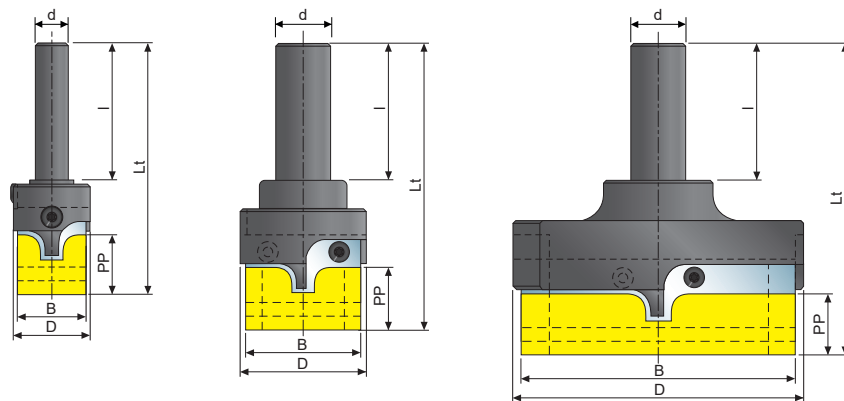
ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



AREA PROFILABILE

Area to be profiled
Profilierbarer Bereich
Área a perfilar



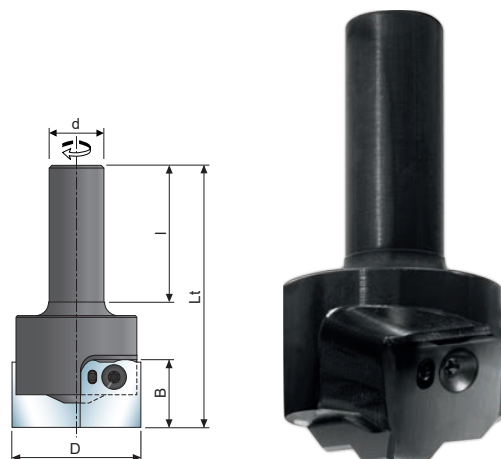
COLTELLI STANDARD/Standard Knives

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE				
			01	02	03	04	05
Sagomato/Profiliated Knife	25×25×2	CSAP078	1	1	/	/	/
Sagomato/Profiliated Knife	25×30×2	CSAP079	1	1	/	/	/
Sagomato/Profiliated Knife	25×35×2	CSAP080	1	1	/	/	/
Sagomato/Profiliated Knife	30×25×2	CSAP081	/	/	1	1	/
Sagomato/Profiliated Knife	30×30×2	CSAP082	/	/	1	1	/
Sagomato/Profiliated Knife	30×35×2	CSAP083	/	/	1	1	/
Sagomato/Profiliated Knife	42×25×2	CSAP084	/	/	1	1	/
Sagomato/Profiliated Knife	42×30×2	CSAP085	/	/	1	1	/
Sagomato/Profiliated Knife	42×35×2	CSAP086	/	/	1	1	/
Sagomato/Profiliated Knife	80×25×2	CSAP087	/	/	/	/	1
Sagomato/Profiliated Knife	80×30×2	CSAP088	/	/	/	/	1
Sagomato/Profiliated Knife	80×35×2	CSAP089	/	/	/	/	1
Sagomato/Profiliated Knife	100×25×2	CSAP090	/	/	/	/	1
Sagomato/Profiliated Knife	100×30×2	CSAP091	/	/	/	/	1
Sagomato/Profiliated Knife	100×35×2	CSAP092	/	/	/	/	1

AP 130

FRESA MULTIPROFILO PER SAGOME INTERNE COLTELLO FIX

Multi-profile cutter for internal profiles - FIX Knife
 Multiprofilfräser für innere Konturen - FIX Messer
 Cabezal multiperfil para perfiles internos - Cuchilla FIX

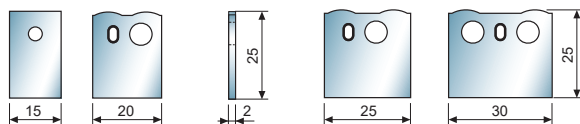
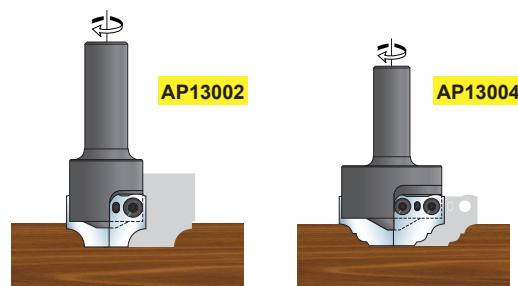


ESEMPLI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento

I COLTELLI NON SONO INCLUSI NELLA TESTA

Knives are not included with the heads.
 Die Köpfe werden ohne Messer geliefert
 Los cabezales vienen sin cuchillas



CODICE CODE	D mm	B mm	PP max mm	Lt mm	ATTACCO - SHANK d mm 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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01 02 03 04	AP130
Coltelli/Knife	15x25x2	CSAP093	2 / / /	
Coltelli FIX/Knife FIX	20x25x2	CSAP094	/ 2 / /	
Coltelli FIX/Knife FIX	25x25x2	CSAP095	/ / 2 /	
Coltelli FIX/Knife FIX	30x25x2	CSAP096	/ / / 2	
Vite per coltello/Knife's Screw	M3,5x6,2 Ø9	VT029	2 / 2 /	
Vite per coltello/Knife's Screw	M4x8,3 Ø7,5	VT013	/ 2 / /	
Vite per coltello/Knife's Screw	M5x10,2 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	

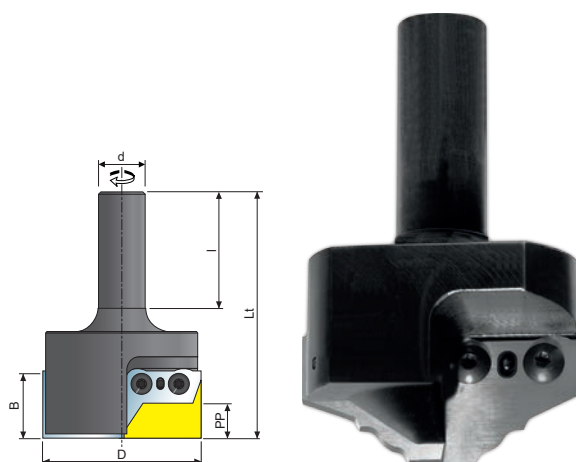
AP 140

FRESA PROFILATA PER SAGOME INTERNE

Profiled cutter for internal profiles
 Profilfräser für innere Konturen
 Cabezal perfilada para perfiles internos

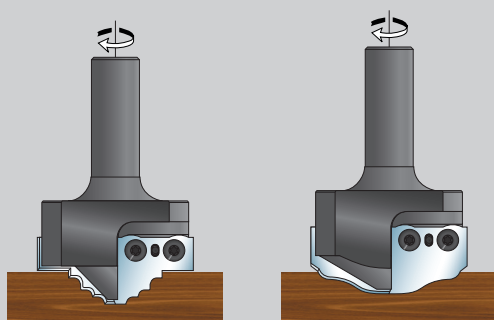
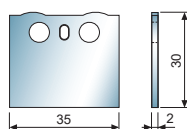
AREA PROFILABILE

Area to be profiled
 Profilierbarer Bereich
 Área a perfilar



ESEMPI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



CODICE CODE	D max mm	B mm	PP mm	Lt mm	ATTACCO - SHANK		Z
	d mm	l mm					
AP14001	68	30	20	103	20/25	50	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE 01	AP140
Coltelli FIX/Knife FIX	35x30x2	CSAP097	2	
Vite per coltello/Knife's Screw	M5x10,2 Ø10,5	VT004	/	
Chiave per Coltello/Knife's Key	Torx 20	TK020	1	

AP 150

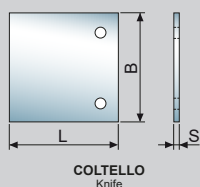
FRESA MULTIPROFILO CON CONTROPLACCHE

Multi-profile cutter with backplates
Multiprofilfräser mit Gegenplatten
Cabezal multiperfil con soporte

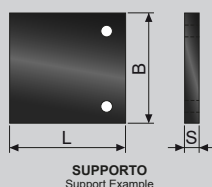


AREA PROFILABILE

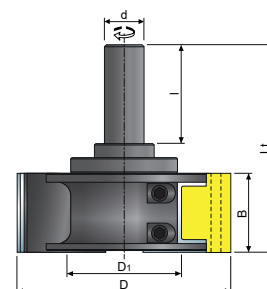
Area to be profiled
Profilierbarer Bereich
Área a perfilar



COLTELLO
Knife



SUPPORTO
Support Example



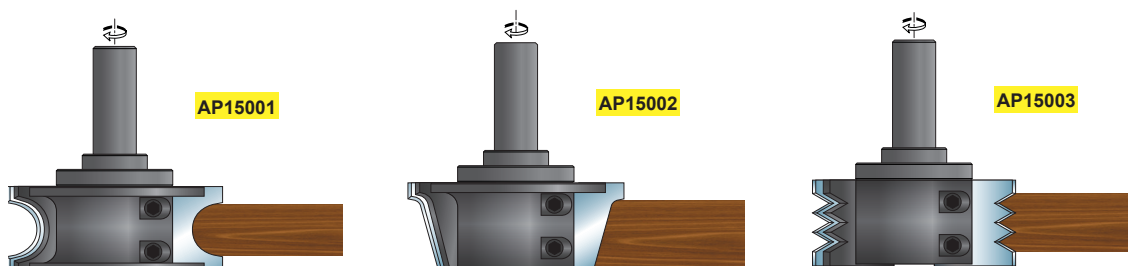
CODICE CODE	D min. mm	D max. mm	B mm	PP max mm	ATTACCO - SHANK d mm l mm	Z	TIPO TYPE
AP15001	54	108	40	10/25	20 50	2	1
AP15002	54	108	40	10/25	20 50	2	2
AP15003	54	108	40	10/25	20 50	2	3
AP15004	54	108	60	10/25	20 50	2	1
AP15005	54	108	60	10/25	20 50	2	2
AP15006	54	108	60	10/25	20 50	2	3
AP15007	54	108	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

SUPPORTI ORDINABILI/Order Support Plate

DESCRIZIONE DESCRIPTION	B x L x S mm	CODICE CODE	CODICE/CODE 01/02/03 04/05/06 07/08/09	AP150
Supporto/Support Plate	40x30x2	SU031	2 / /	
Supporto/Support Plate	40x35x2	SU032	2 / /	
Supporto/Support Plate	40x40x2	SU033	2 / /	
Supporto/Support Plate	40x45x2	SU034	2 / /	
Supporto/Support Plate	60x30x2	SU035	/ 2 /	
Supporto/Support Plate	60x35x2	SU036	/ 2 /	
Supporto/Support Plate	60x40x2	SU037	/ 2 /	
Supporto/Support Plate	60x45x2	SU038	/ 2 /	
Supporto/Support Plate	80x30x2	SU039	/ / 2	
Supporto/Support Plate	80x35x2	SU040	/ / 2	
Supporto/Support Plate	80x40x2	SU041	/ / 2	
Supporto/Support Plate	80x45x2	SU042	/ / 2	

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

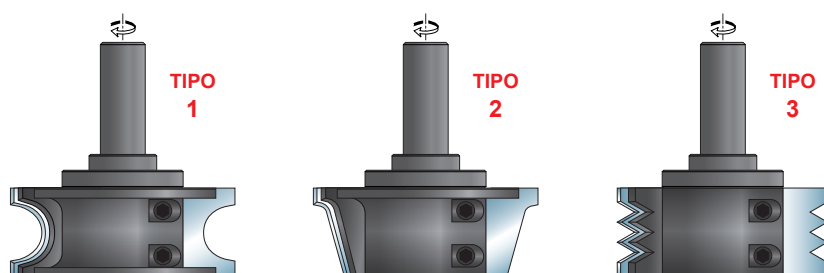


ATTENZIONE: I CUNEI VARIANO A SECONDA DEL TIPO DI AP150 (Es. TIPO 1, TIPO 2 o TIPO 3)

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)



COLTELLI ORDINABILI/Order Knives

DESCRIZIONE DESCRIPTION	B x L x S mm	CODICE CODE	CODICE/CODE AP150		
			01/02/03	04/05/06	07/08/09
Coltello/Knife	40x30x2	CSAP098	2	/	/
Coltello/Knife	40x35x2	CSAP099	2	/	/
Coltello/Knife	40x40x2	CSAP100	2	/	/
Coltello/Knife	40x45x2	CSAP101	2	/	/
Coltello/Knife	60x30x2	CSAP102	/	2	/
Coltello/Knife	60x35x2	CSAP103	/	2	/
Coltello/Knife	60x40x2	CSAP104	/	2	/
Coltello/Knife	60x45x2	CSAP105	/	2	/
Coltello/Knife	80x30x2	CSAP106	/	/	2
Coltello/Knife	80x35x2	CSAP107	/	/	2
Coltello/Knife	80x40x2	CSAP108	/	/	2
Coltello/Knife	80x45x2	CSAP109	/	/	2

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE/CODE AP150		
			01/02/03	04/05/06	07/08/09
Cuneo/Wedge	38x25x8	CU151	2	/	/
Cuneo/Wedge	58x25x8	CU152	/	2	/
Cuneo/Wedge	78x25x8	CU153	/	/	2
Vite per cuneo/Wedge's Screw	M8x16	VT005	4	4	6
Chiave per Cuneo/Wedge's Key	Esagonale 4	CH004	1	1	1

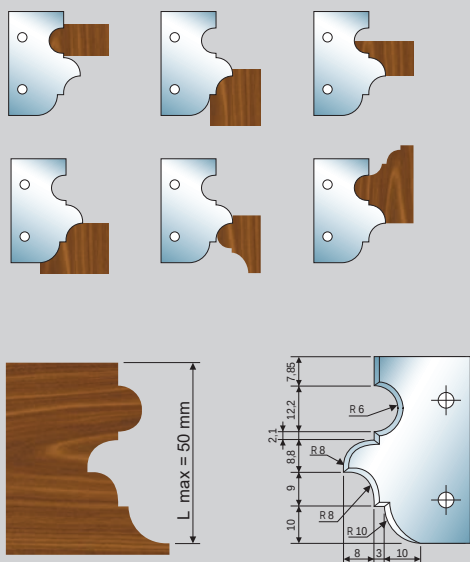
AP 160

FRESA MULTIPROFILO PER CORNICI

Multi-profile cutter for frames
Multiprofilfräser für Rahmen
Cabezal multiperfil por marcos

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



AP 170

FRESA SAGOMATA CON PROFILO DA 0 A 10 mm

Profiled cutter for profiles from 0 to 10 mm

Profilfräser, für Profil vom 0 bis 10 mm

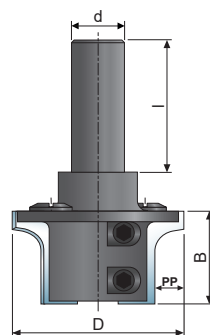
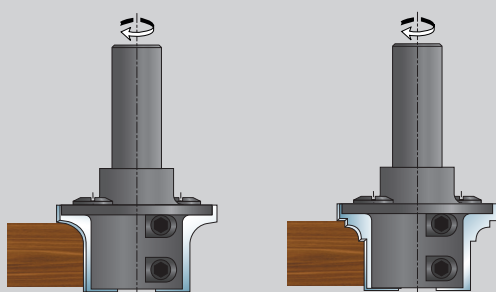
Cabezal multiperfil de 0 a 10 mm

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	D mm	B mm	ATTACCO - SHANK		Z	PP mm
			d mm	l 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

AP 180

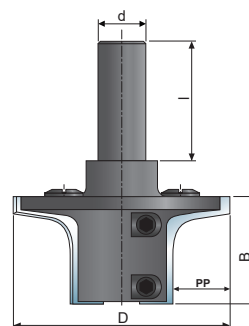
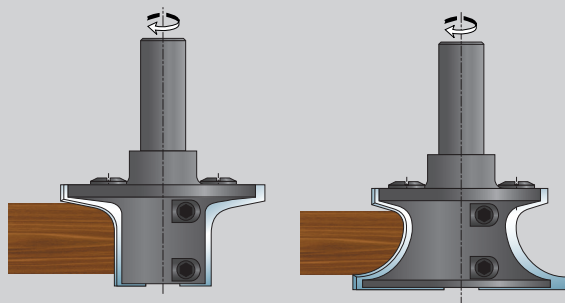
FRESA SAGOMATA CON PROFILO DA 10 A 20 mm

Profiled cutter for profiles from 10 to 20 mm
 Profilfräser, für Profil vom 10 bis 20 mm
 Cabezal multiperfil de 10 a 20 mm



ESEMPI DI LAVORAZIONE

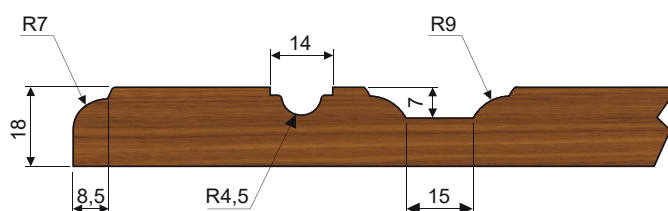
Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



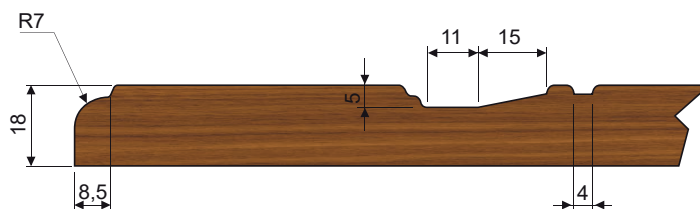
CODICE CODE	D mm	B mm	ATTACCO - SHANK		Z	PP mm
			d mm	l mm		
AP18001	60	20	20	50	2	da 10 a 20
AP18002	60	30	20	50	2	da 10 a 20
AP18003	60	40	20	50	2	da 10 a 20
AP18004	60	50	20	50	2	da 10 a 20
AP18005	60	60	20	50	2	da 10 a 20
AP18006	70	20	20	50	2	da 10 a 20
AP18007	70	30	20	50	2	da 10 a 20
AP18008	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

KIT PER ANTINE KIT FOR CABINET KIT FÜR TÜREN KIT PARA PUERTAS

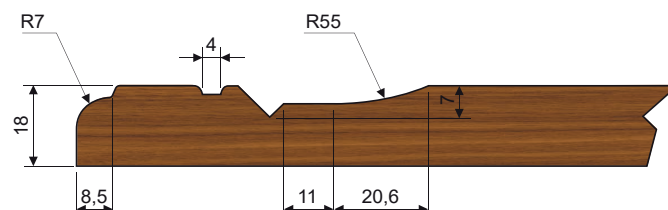
PRIMAVERA



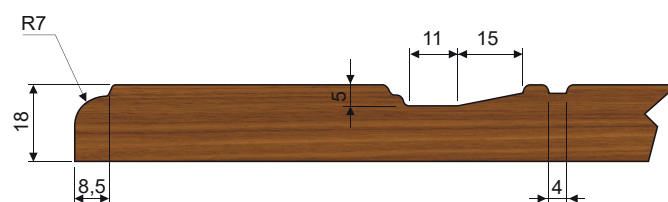
ESTATE



AUTUNNO



INVERNO



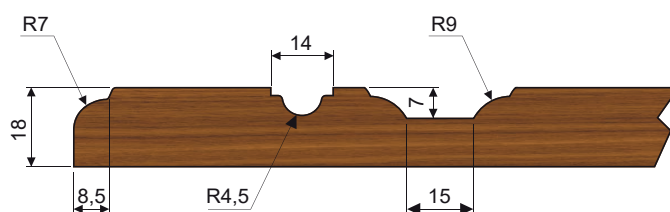
PRIMAVERA

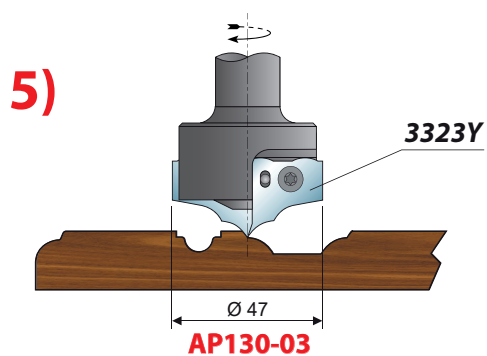
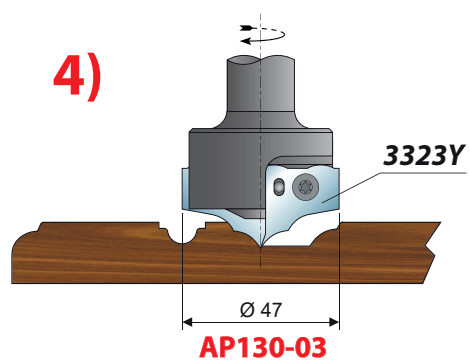
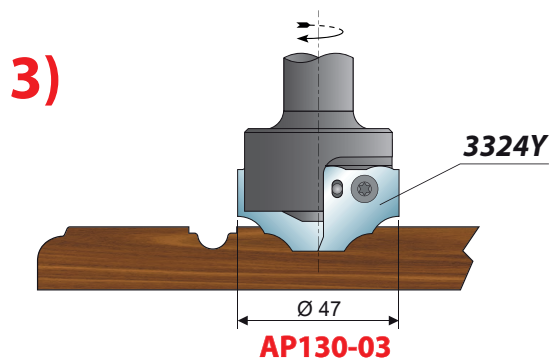
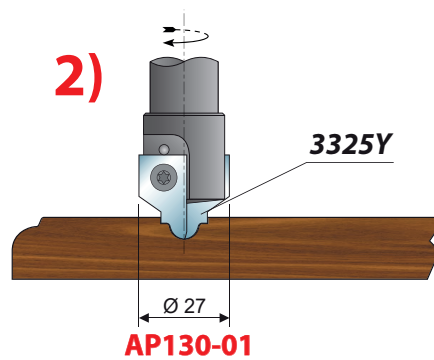
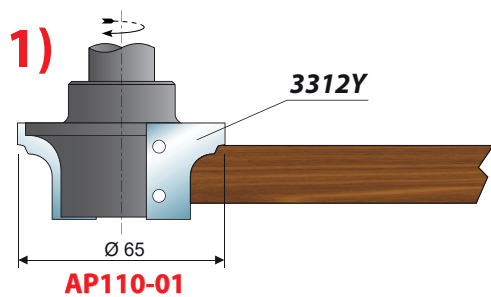
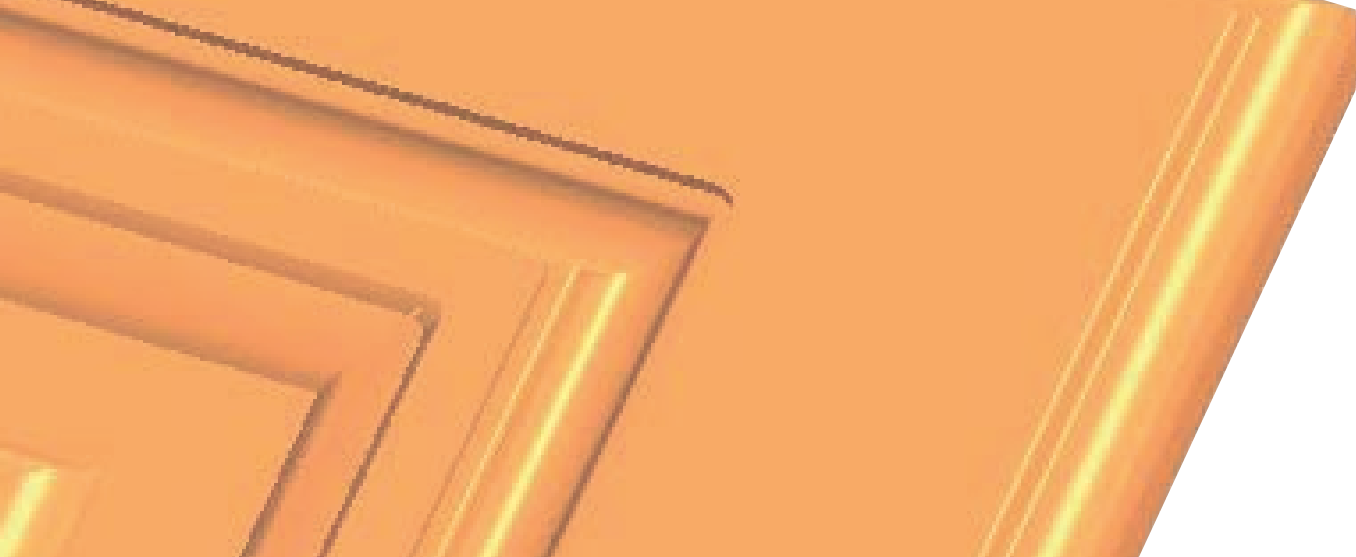
**CONTENUTO
CONTENT
INHALT
CONTENIDO**



CODICE CODE	D	B	ATTACCO - SHANK		Z	PZ
	mm	mm	d mm	l mm		
AP110-01	65	30	20	50	2	1
AP130-03	47	25	20	50	2	3
AP130-01	27	25	20	50	2	1

**PROFILO
PROFILE
PROFIL
PERFIL**





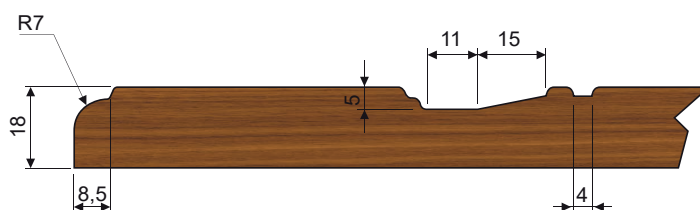
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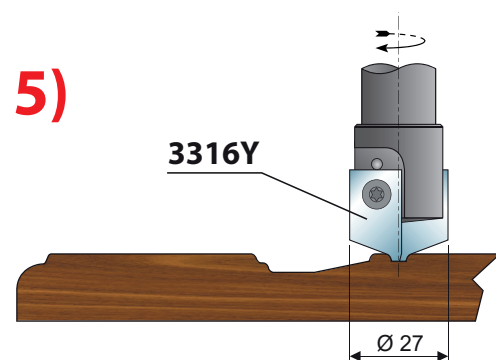
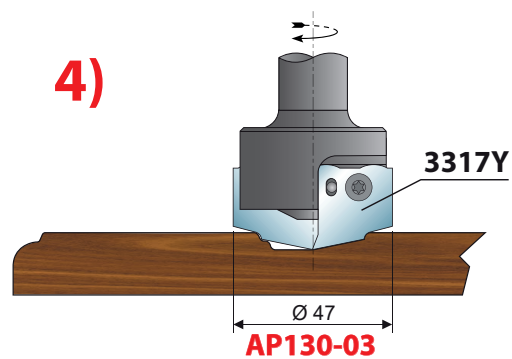
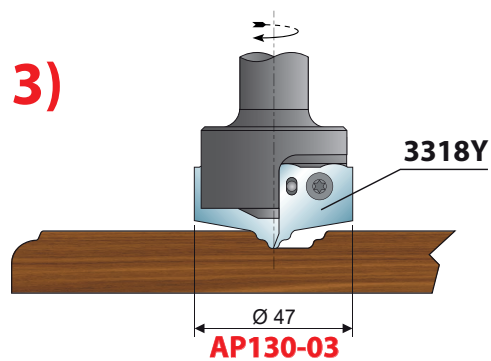
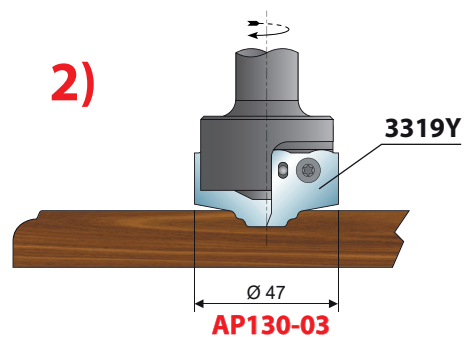
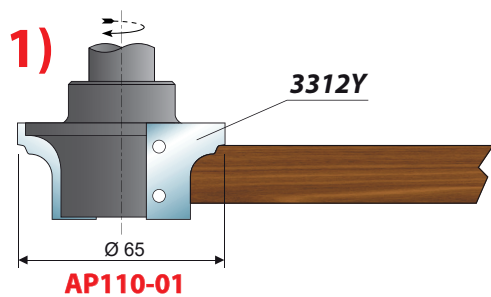
CONTENUTO
CONTENT
INHALT
CONTENIDO



CODICE CODE	D	B	ATTACCO - SHANK		Z	PZ
	mm	mm	d mm	l mm		
AP110-01	65	30	20	50	2	1
AP130-03	47	25	20	50	2	3
AP130-01	27	25	20	50	2	1

PROFILO
PROFILE
PROFIL
PERFIL





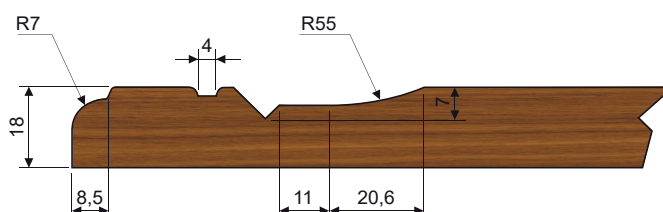
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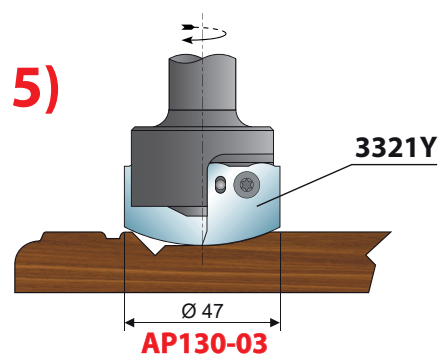
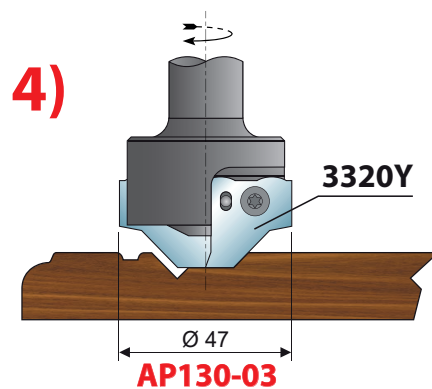
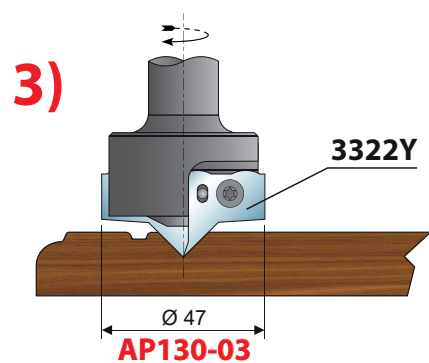
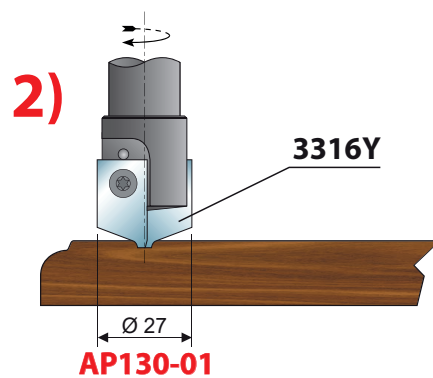
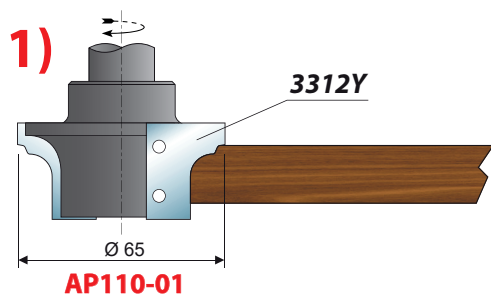
**CONTENUTO
CONTENT
INHALT
CONTENIDO**



CODICE CODE	D mm	B mm	ATTACCO - SHANK d mm l mm		Z	PZ
AP110-01	65	30	20	50	2	1
AP130-03	47	25	20	50	2	3
AP130-01	27	25	20	50	2	1

**PROFILO
PROFILE
PROFIL
PERFIL**





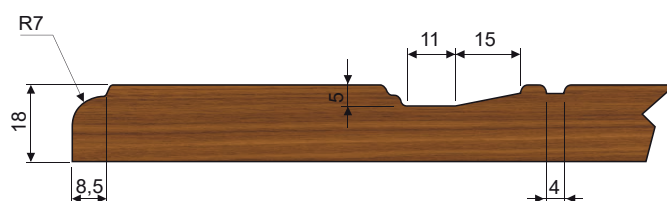
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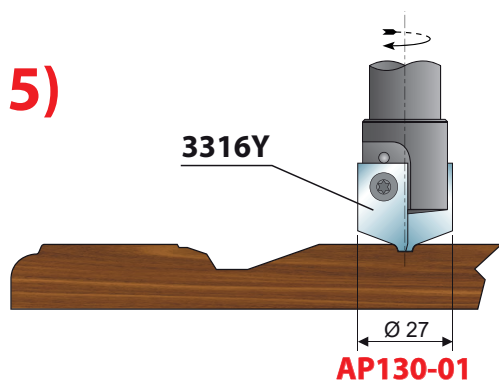
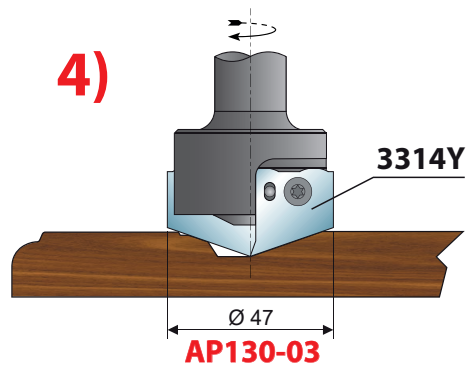
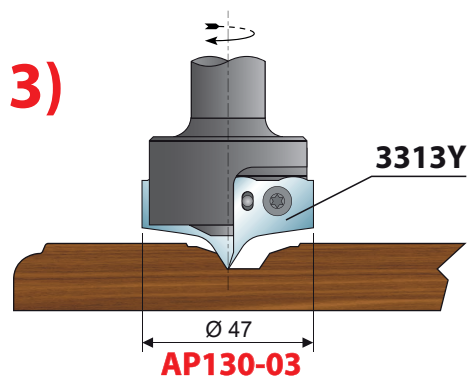
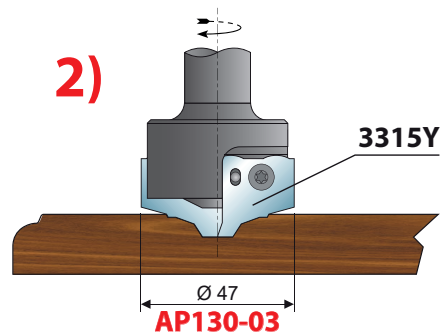
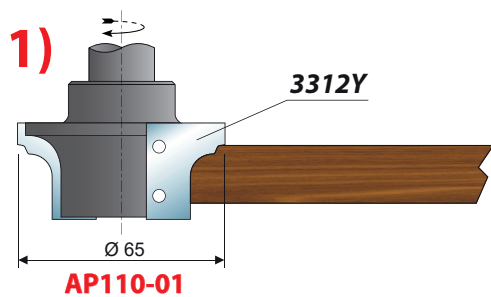
CONTENUTO
CONTENT
INHALT
CONTENIDO



CODICE CODE	D mm	B mm	ATTACCO - SHANK		Z	PZ
			d mm	l mm		
AP110-01	65	30	20	50	2	1
AP130-03	47	25	20	50	2	3
AP130-01	27	25	20	50	2	1

PROFILO
PROFILE
PROFIL
PERFIL



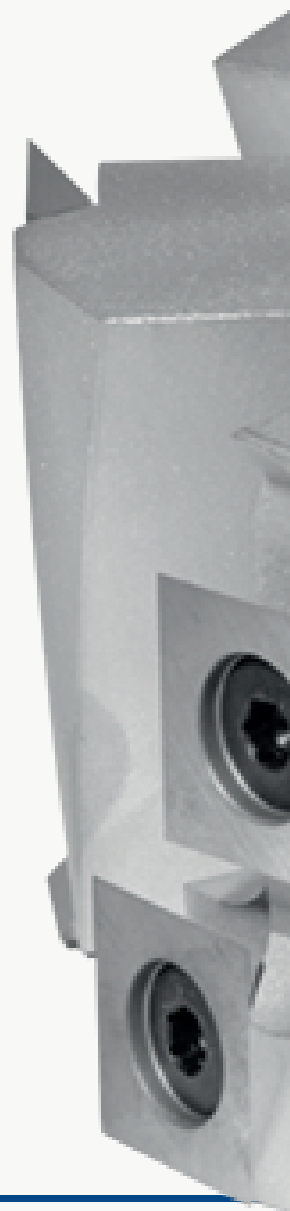


FRESE TR

TR CUTTERS

TR FRÄSER

FRESAS TR





FRESE TR

TR CUTTERS TR FRÄSER FRESAS TR

TR 010



FRESA A CODA DI RONDINE Z3

Dovetail cutter Z3
Schwalbenschwanzfräser Z3
Cabezal para cola milano Z3

274

TR 020



FRESA A CODA DI RONDINE Z4 B=39 mm

Dovetail router bit for joints Z4 - B=39 mm
Schwalbenschwanzfräser Z4 - B=39 mm
Cabezal para cola milano Z4 - B=39 mm

275

TR 030



FRESA A CODA DI RONDINE Z4 B=51 mm

Dovetail cutter Z4 - B=51 mm
Schwalbenschwanzfräser Z4 - B=51 mm
Cabezal para cola milano Z4 - B=51 mm

276

TR 040



FRESA A CODA DI RONDINE Z4 d=28 mm

Dovetail cutter Z4 - d=28 mm
Schwalbenschwanzfräser Z4 - d=28 mm
Cabezal para cola milano Z4 - d=28 mm

277

TR 050



FRESA MULTITAGLIENTE ELICOIDALE Z2

Helical multi-cutting cutter Z2
Spiralförmiger- Mehrschneidigerschaftfräser Z2
Cabezal helicoidal multidientes Z2

278

TR 051



FRESA MULTITAGLIENTE ELICOIDALE Z2

Helical multi-cutting cutter Z2
Spiralförmiger- Mehrschneidigerschaftfräser Z2
Cabezal helicoidal multidientes Z2

279

TR 060



FRESA MULTITAGLIENTE ELICOIDALE Z2

Helical multi-cutting cutter Z2
Spiralförmiger- Mehrschneidigerschaftfräser Z2
Cabezal helicoidal multidientes Z2

280

TR 065



FRESA MULTITAGLIENTE ELICOIDALE Z3

Helical multi-cutting cutter Z3
Spiralförmiger- Mehrschneidigerschaftfräser Z3
Cabezal helicoidal multidientes Z3

281

TR 070



FRESA MULTITAGLIENTE ELICOIDALE Z4

Helical multi-cutting cutter Z4
Spiralförmiger Mehrschneidigerschaftfräser Z4
Cabezal helicoidal multidentes Z4

282

TR 080



FRESA MULTITAGLIENTE CON COLTELLO BOMBATO Z4

Multi-cutting cutter with rounded knife Z4
Spiralförmiger Mehrschneidigerschaftfräser mit gewölbtes Messer Z4
Cabezal helicoidal multidentes con cuchilla bombada Z4

283

TR 090



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

284

TR 100



TRUCIOLATORE ELICOIDALE CON COLTELLO S=5,5 mm

Helical hogger with knife S=5,5 mm
Spiralförmiger Zerspaner mit Messer S=5,5 mm
Triturador helicoidal con cuchilla S=5,5 mm

285

TR 110



TRUCIOLATORE CON COLTELLO S=5,5 mm

Helical hogger with knife S=5,5 mm
Spiralförmiger Zerspaner mit Messer S=5,5 mm
Triturador helicoidal con cuchilla S=5,5 mm

286

TR 115



TRUCIOLATORE CON ANGOLO ASSIALE CON COLTELLO S=5,5 mm

Helical hogger with axial angle with knife S=5,5 mm
Spiralförmiger Zerspaner mit Achswinkel mit Messer S=5,5 mm
Triturador helicoidal con angulo axial y cuchilla S=5,5 mm

287

TR 130

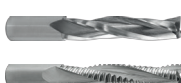


TRUCIOLATORE ELICOIDALE CON COLTELLO BOMBATO

Helical hogger with rounded knife
Spiralförmiger Zerspaner mit gewölbtes Messer
Triturador helicoidal con cuchilla bombada

288

TR 120



FRESA HW INTEGRALE ELICOIDALE Z3

VHW Helical cutter Z3
VHW-Schlichtfräser Z3
Cabezal helicoidal VHW Z3

289

TR 010

FRESA A CODA DI RONDINE Z3

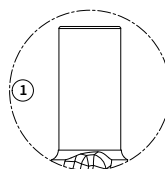
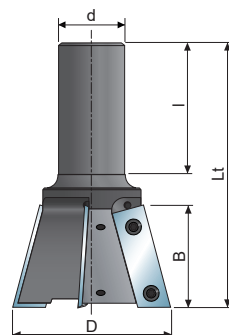
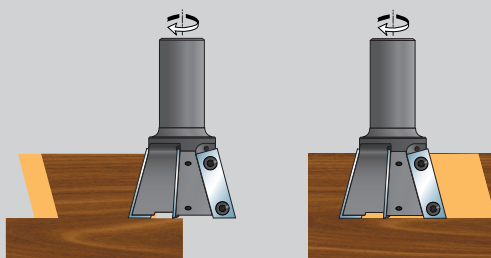
Dovetail cutter Z3

Schwalbenschwanzfräser Z3

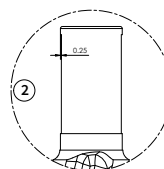
Cabezal para cola milano Z3

ESEMPLI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ATTACCO CILINDRICO
PER MANDRINO A CALETTAMENTO



ATTACCO CILINDRICO
PER MANDRINO A PINZA



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.
				d mm	l mm		
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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR010	
			01/03	02/04
Coltello/Knife	40×12×1,5	CRN01	3	/
Coltello/Knife	40×12×1,5	CRN02	/	3
Vite per Coltello/Knife's Screw	M3,5×10 Ø7,5	VT031	6	6
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1

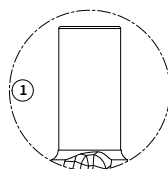
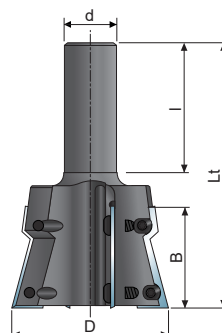
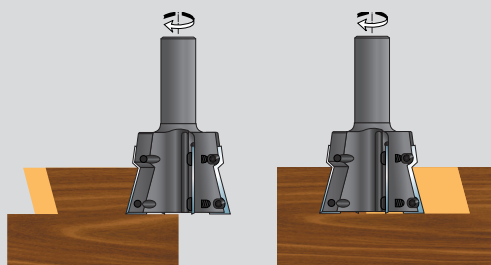
TR 020

FRESA A CODA DI RONDINE Z4 B=39 mm

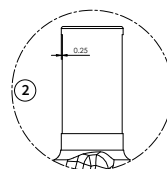
Dovetail cutter for joints Z4 - B=39 mm
Schwalbenschwanzfräser Z4 - B=39 mm
Cabezal para cola milano Z4 - B=39 mm

ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ATTACCO CILINDRICO
PER MANDRINO A CALETTAMENTO



ATTACCO CILINDRICO
PER MANDRINO A PINZA



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm l mm		Z	ROTAZ. ROTAT.
TR02001	60	39	102	20	50	4	R
TR02002	60	39	102	20	50	4	L
TR02003	60	39	102	20	50	4+RT	R
TR02004	60	39	102	20	50	4+RT	L
TR02005	60	39	116	30	53	4	R
TR02006	60	39	116	30	53	4	L
TR02007	60	39	116	30	53	4+RT	R
TR02008	60	39	116	30	53	4+RT	L

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR020			
			01/05	02/06	03/07	04/08
Coltello/Knife	39,5×12×1,5	CRN03	4	/	/	/
Coltello/Knife	39,5×12×1,5	CRN04	/	4	/	/
Coltello RT/Knife RT	39,5×12×1,5	CRN05	/	/	4	/
Coltello RT/Knife RT	39,5×12×1,5	CRN06	/	/	/	4
Vite per Coltello/Knife's Screw	M3,5×10 Ø7,5	VT031	8	8	8	8
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1

TR 030

FRESA A CODA DI RONDINE Z4 B=51 mm

Dovetail cutter Z4 - B=51 mm

Schwalbenschwanzfräser Z4 - B=51 mm

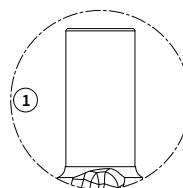
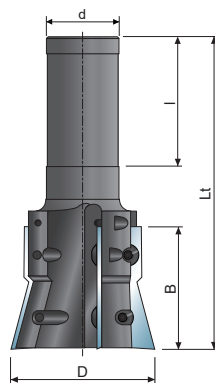
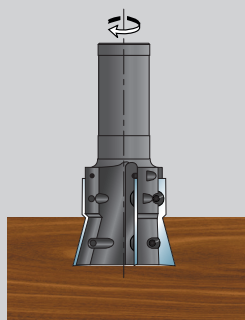
Cabezal para cola milano Z4 - B=51 mm

ESEMPI DI LAVORAZIONE

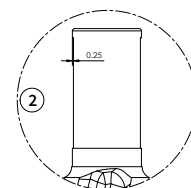
Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



ATTACCO CILINDRICO
PER MANDRINO A CALETTAMENTO



ATTACCO CILINDRICO
PER MANDRINO A PINZA

CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm 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	51×21,5×2	CRN07	4	/
Coltello/Knife	51×21,5×2	CRN08	/	4
Vite per Coltello/Knife's Screw	M3,5×4 Ø9	VT029	8	8
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1

TR 040

FRESA A CODA DI RONDINE Z4 d=28 mm

Dovetail cutter Z4 - d=28 mm

Schwalbenschwanzfräser Z4 - d=28 mm

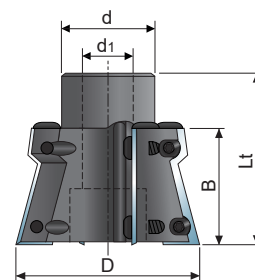
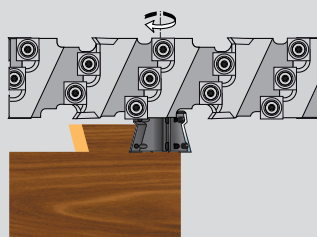
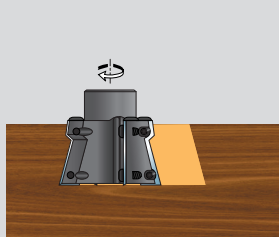
Cabezal para cola milano Z4 - d=28 mm

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm l 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	39,5×12×1,5	CRN03	4	/	/	/
Coltello/Knife	39,5×12×1,5	CRN04	/	4	/	/
Coltello RT/Knife RT	39,5×12×1,5	CRN05	/	/	4	/
Coltello RT/Knife RT	39,5×12×1,5	CRN06	/	/	/	4
Vite di Riferimento/Positioning Screw	M4×8,3 Ø9	VT013	4	4	4	4
Vite per Coltello/Knife's Screw	M3,5×10 Ø7,5	VT031	8	8	8	8
Chiave per Coltello/Knife's Key	Torx 15	TK015	1	1	1	1

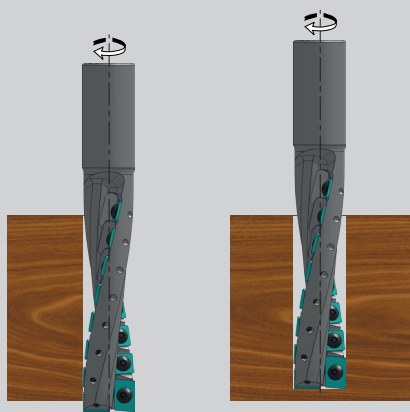
TR 050

FRESA MULTITAGLIANTE ELICOIDALE Z2

Helical multi-cutting cutter Z2

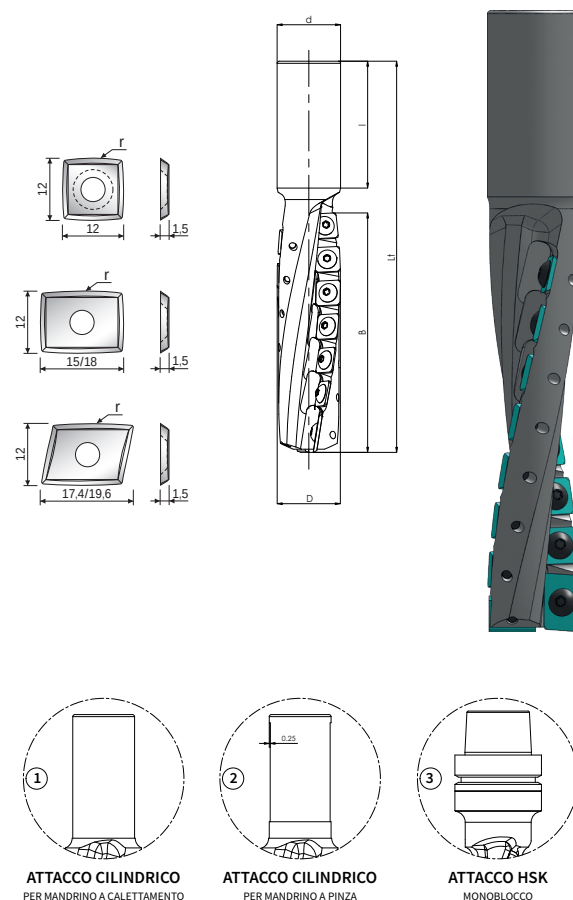
Spiralförmiger- Mehrschneidigerschaftfräser Z2

Cabezal helicoidal multidientes Z2



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.
				d mm	l mm		
TR05001	30	128	195	30	55	2	R
TR05002	30	128	195	30	55	2	L
TR05003	35	105	172	30	55	2	R
TR05004	35	105	172	30	55	2	L
TR05005	30	80	155	30	55	2	R
TR05006	30	80	155	30	55	2	L
TR05007	30	113	185	30	55	2	R
TR05008	30	113	185	30	55	2	L

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR050							
			01	02	03	04	05	06	07	08
Coltello/Knife	12x12 x1.5	CPTB03	14	14	11	11	8	8	12	12
Coltello /Knife	15x12 x1.5	CPTB15	1	1	/	/	1	1	1	1
Coltello DX/Knife RT	19.6x12 x1.5	CPTB17	1	/	/	/	1	/	1	/
Coltello SX/Knife LT	19.6x12 x1.5	CPTB19	/	1	/	/	/	1	/	1
Coltello/Knife	18x12 x1.5	CPTB16	/	/	1	1	/	/	/	/
Coltello DX/Knife RT	17.4x12 x1.5	CPTB18	/	/	1	/	/	/	/	/
Coltello SX/Knife LT	17.4x12 x1.5	CPTB20	/	/	/	1	/	/	/	/
Vite per coltello/Knife's screw	M3.5x7.3 Ø9	VT026	16	16	13	13	10	10	14	14
Chiave/Key	Torx 15	TK015	1	1	1	1	1	1	1	1

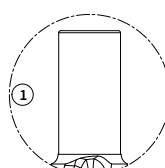
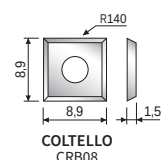
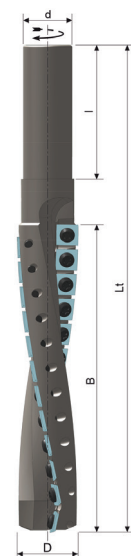
TR 051

FRESA MULTITAGLIANTE ELICOIDALE Z2

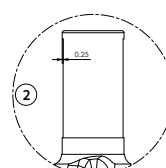
Helical multi-cutting cutter Z2

Spiralförmiger- Mehrschneidigerschaftfräser Z2

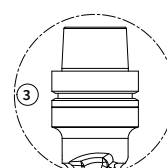
Cabezal helicoidal multidientes Z2



ATTACCO CILINDRICO
PER MANDRINO A CALETTAMENTO



ATTACCO CILINDRICO
PER MANDRINO A PINZA



ATTACCO HSK
MONOBLOCCO

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento

FRESE TR
TR CUTTERS

CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.
					d mm	l mm		
TR05101	ACCIAIO	25	91	160	25	55	2	R
TR05102	ACCIAIO	25	91	160	25	55	2	L
TR05103	ACCIAIO	25	111	180	25	55	2	R
TR05104	ACCIAIO	25	111	180	25	55	2	L
TR05105	ACCIAIO	25	126	200	25	55	2	R
TR05106	ACCIAIO	25	126	200	25	55	2	L

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR051					
			01	02	03	04	05	06
Coltello/Knife	8.9×8.9×1.5	CRB08	17	17	21	21	24	24
Vite per coltello/Knife's screw	M3.5×6.5 Ø6	VT047	17	17	21	21	24	24
Chiave/Key	Torx 15	TK015	1	1	1	1	1	1

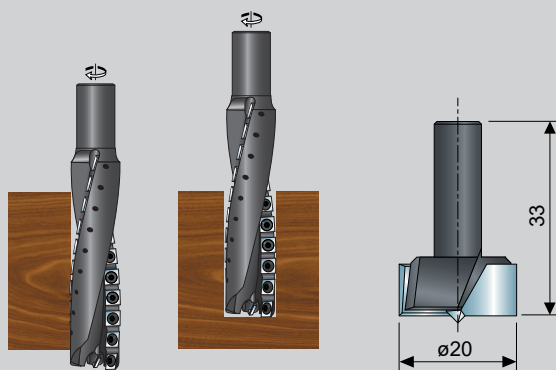
TR 060

FRESA MULTITAGLIANTE ELICOIDALE Z2

Helical multi-cutting cutter Z2

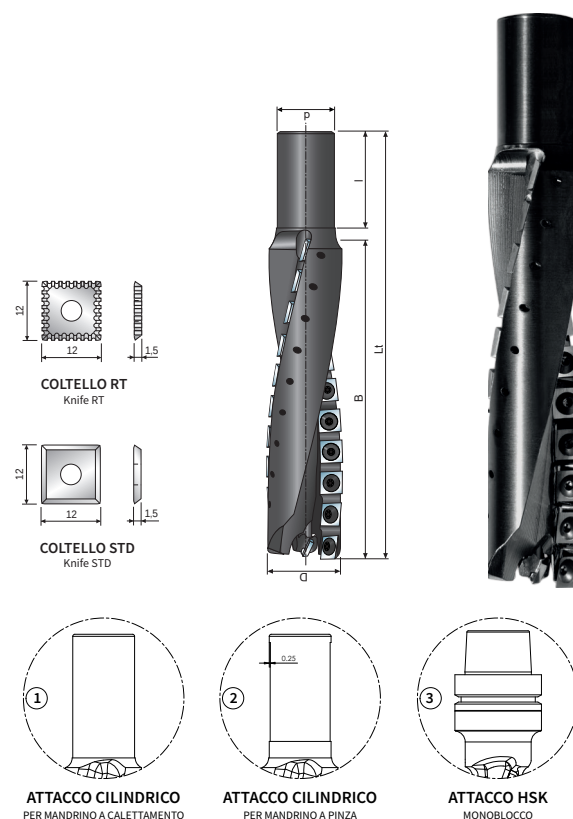
Spiralförmiger- Mehrschneidigerschaftfräser Z2

Cabezal helicoidal multidientes Z2



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	D mm	B mm	Lt mm	ATTACCO - SHANK d mm l mm		Z	COLTEL. KNIFE	ROTAZ. ROTAT.
TR06001	40	160	235	30	50	2	STD	R
TR06002	40	160	235	30	50	2	STD	L
TR06003	40	160	235	30	50	2	RT	R
TR06004	40	160	235	30	50	2	RT	L

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR060 01 02 03 04			
Coltello DX/Knife RT	11,6×12×1,5 STD	CPTB01	1	/	/	/
Coltello SX/Knife LT	11,6×12×1,5 STD	CPTB02	/	1	/	/
Coltello/Knife	12×12×1,5 STD	CPTB03	18	18	/	/
Coltello DX/Knife RT	19,6×12×1,5 STD	CPTB04	1	/	/	/
Coltello SX/Knife LT	19,6×12×1,5 STD	CPTB05	/	1	/	/
Coltello DX/Knife RT	11,6×12×1,5 RT	CPTB06	/	/	1	/
Coltello SX/Knife LT	11,6×12×1,5 RT	CPTB07	/	/	/	1
Coltello/Knife	12×12×1,5 RT	CPTB08	/	/	18	18
Coltello DX/Knife RT	19,6×12×1,5 RT	CPTB09	/	/	1	/
Coltello SX/Knife LT	19,6×12×1,5 RT	CPTB10	/	/	/	1
Forante DX/Drilling insert DX	Ø20×33	ISPT01	1	/	1	/
Forante SX/Drilling insert SX	Ø2×33	ISPT02	/	1	/	1
Vite per Forante/Drilling insert screw	M6×16	VT006	1	1	1	1
Vite per Coltello/Knife's Screw	M3,5×7,3 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

TR 065

FRESA MULTITAGLIANTE ELICOIDALE Z3

Helical multi-cutting cutter Z3

Spiralförmiger- Mehrschneidigerschaftfräser Z3

Cabezal helicoidal multidientes Z3

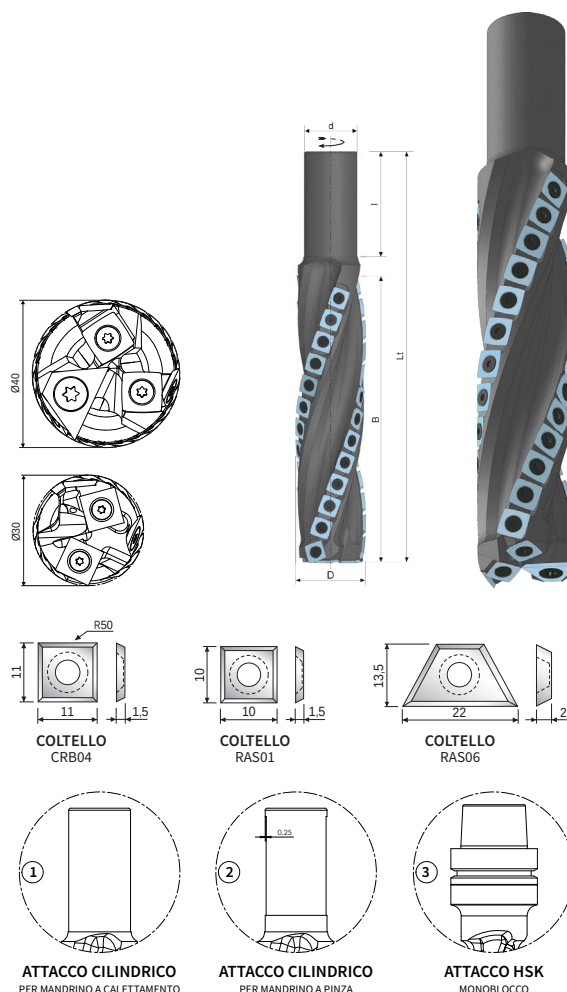


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	Lt mm	ATTACCO - SHANK		Z	ROTAZ. ROTAT.
					d mm	l mm		
TR06501	ACCIAIO	40	164	235	30	60	3	R
TR06502	ACCIAIO	40	164	235	30	60	3	L
TR06503	ACCIAIO	40	214	285	30	60	3	R
TR06504	ACCIAIO	40	214	285	30	60	3	L
TR06505	ACCIAIO	30	64	195	30	60	3	R
TR06506	ACCIAIO	30	64	195	30	60	3	L

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR065					
			01	02	03	04	05	06
Coltello/Knife	11x11x1.5	CRB04	43	43	52	52	13	13
Rasante/Spur	22x13x2	RAS06	1	1	1	1	/	/
Rasante/Spur	10x10x1.5	RAS01	/	/	/	/	2	2
Vite per coltello/Knife's screw	M5x6.5 Ø9	VT097	43	43	52	52	13	13
Vite per rasante/Spurs's screw	M4x5.2 Ø6.4	VT064	1	1	1	1	2	2
Chiave/Key	Torx 15	TK015	1	1	1	1	1	1
Chiave/Key	Torx 20	TK020	1	1	1	1	/	/
Chiave/Key	Torx 9	TK009	/	/	/	/	1	1

TR 070

FRESA MULTITAGLIANTE ELICOIDALE Z4

Helical multi-cutting cutter Z4

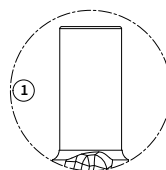
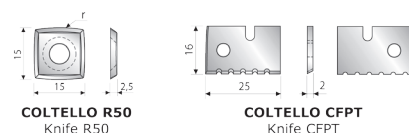
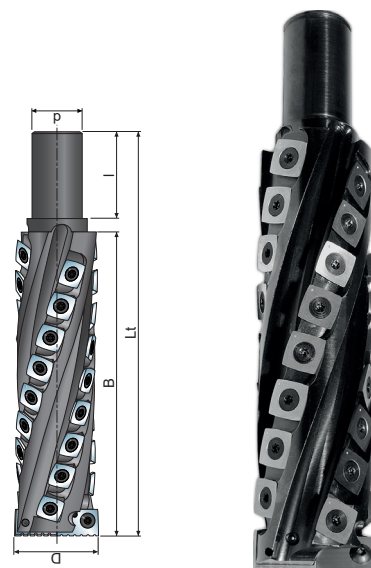
Spiralförmiger- Mehrschneidigerschaftfräser Z4

Cabezal helicoidal multidientes Z4

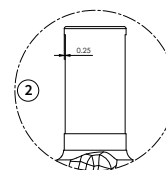


ESEMPI DI LAVORAZIONE

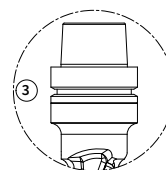
Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ATTACCO CILINDRICO
PER MANDRINO A CALETTAMENTO



ATTACCO CILINDRICO
PER MANDRINO A PINZA



ATTACCO HSK
MONOBLOCCO

CODICE CODE	D mm	B mm	Lt mm	ATTACCO SHANK		Z	ROTAT. ROTAT.
				d mm	l mm		
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	15x15x 2,5	CRB02	34	34	40	40
Coltello/Knife	25x16x2	CFPT01	1	/	1	/
Coltello/Knife	25x16x2	CFPT02	1	/	1	/
Coltello/Knife	25x16x2	CFPT03	/	1	/	1
Coltello/Knife	25x16x2	CFPT04	/	1	/	1
Vite per Coltello/Knife's Screw	M5x12,5 Ø8,8	VT051	34	34	40	40
Vite per Coltello/Knife's Screw	M4x8,3 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

TR 080

FRESA MULTITAGLIANTE CON COLTELLO BOMBATO Z4

Multi-cutting cutter with rounded knife Z4

Spiralförmiger Mehrschneidigerschaftfräser
mit gewölbtes Messer Z4

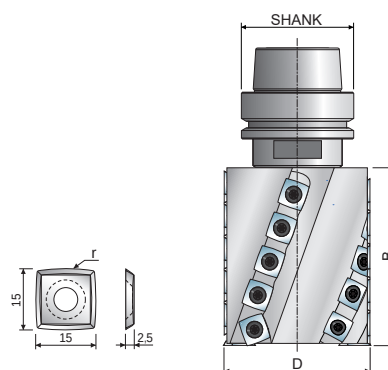
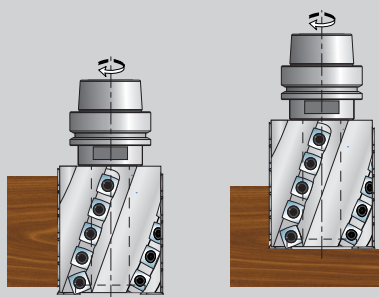
Cabezal helicoidal multidientes con cuchilla
bombada Z4

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



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
Coltello R50/Knife R50	15x15x2,5	CRB01	24	24
Rasante/Spur	14x14x2	RAS02	2	2
Vite per Coltello/Knife's Screw	M5x12,5 Ø9	VT051	24	24
Vite per Rasante/Spur's Screw	M5x7 Ø8,8	VT064	2	2
Vite per Flangia/Flange's Screw	M6x26 Ø10	VT037	3	3
Chiave per Rasante/Spur's Key	Torx 15	TK015	1	1
Chiave per Coltello/Knife's Key	Torx 20	TK020	1	1
Chiave per Flangia/Flange's Key	Esagonale 5	CH005	1	1

TR 090

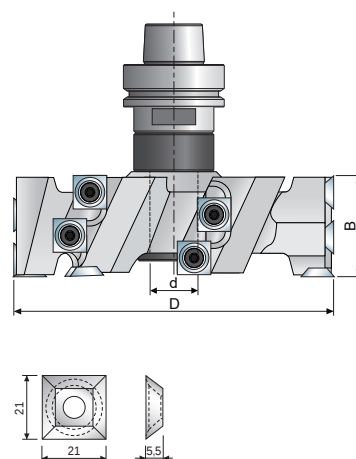
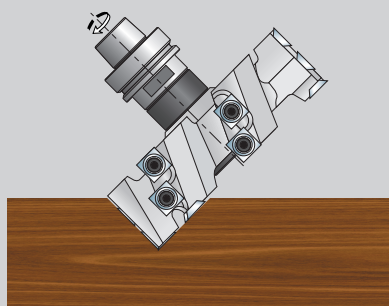
TRUCIOLATORE ELICOIDALE SU HSK63F CON COLTELLO S=5,5 mm

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



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	ATTACCO SHANK	Z	R	ROTAZ. ROTAT.
TR09001	LEGA LEGG.	200	63	30	HSK63F	4+4	4	R

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR090 01
Distanziale/Distance Ring	Ø50/30 H=24	ADS01	1
Coltello/Knife	21×21×5,5	CTS01	20
Vite per Coltello/Knife's Screw	M7×16 Ø12	VT014	20
Chiave per Coltello/Knife's Key	Torx 30	TK030	1

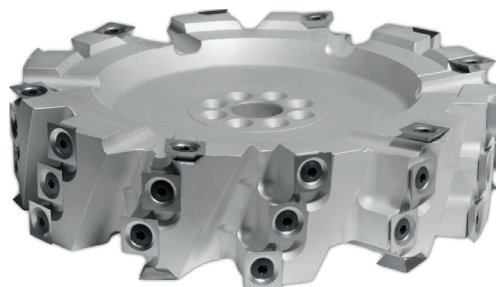
TR 100

TRUCIOLATORE ELICOIDALE CON COLTELLO S=5,5 mm

Helical hogger with knife S=5,5 mm

Spiralförmiger Zerspaner mit Messer S=5,5 mm

Triturador helicoidal con cuchilla S=5,5 mm

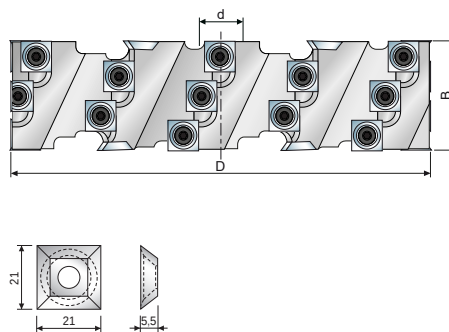
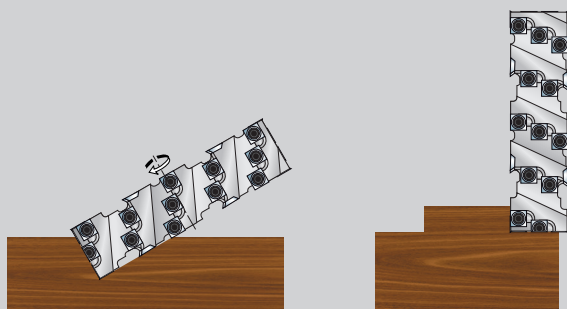


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	ROTAZ. ROTAT.
TR10001	LEGA LEGG.	290	75	30	6+6	6+6	R

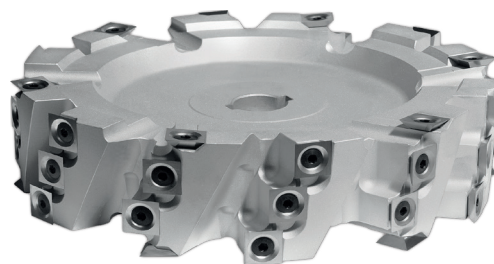
DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR100 01
Coltello/Knife	21×21×5,5	CTS01	42
Vite per Coltello/Knife's Screw	M7×16 Ø12	VT014	42
Chiave per Coltello/Knife's Key	Torx 30	TK030	1

TR 110

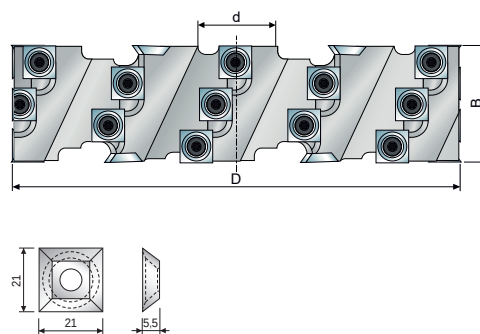
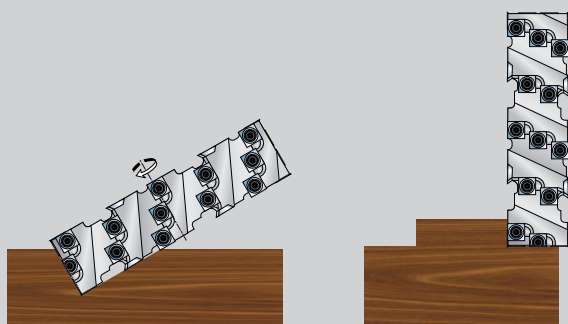
TRUCIOLATORE CON COLTELLO S=5,5 mm

Helical hogger with knife S=5,5 mm
Spiralförmiger Zerspaner mit Messer S=5,5 mm
Triturador helicoidal con cuchilla S=5,5 mm



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR110		
			01	02	03
Coltello/Knife	21x21x5,5	CTS01	32	36	40
Vite per Coltello/Knife's Screw	M7x16 Ø12	VT014	32	36	40
Chiave per Coltello/Knife's Key	Torx 30	TK030	1	1	1

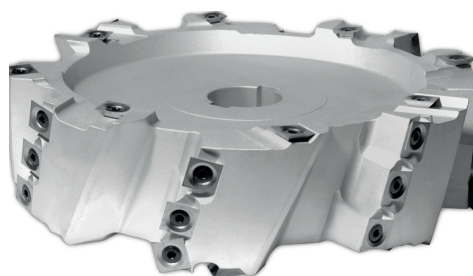
TR 115

TRUCIOLATORE CON ANGOLO ASSIALE COLTELLO S=5,5 mm

Helical hogger with axial angle with knife S=5,5 mm

Spiralförmiger Zerspaner mit Achswinkel mit Messer S=5,5 mm

Triturador helicoidal con angulo axial y cuchilla S=5,5 mm

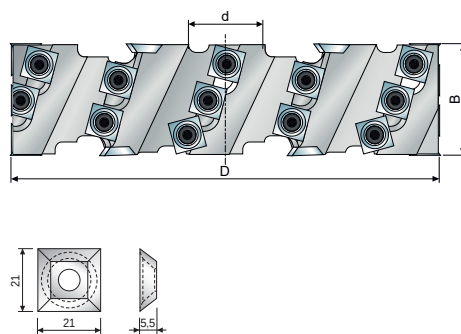
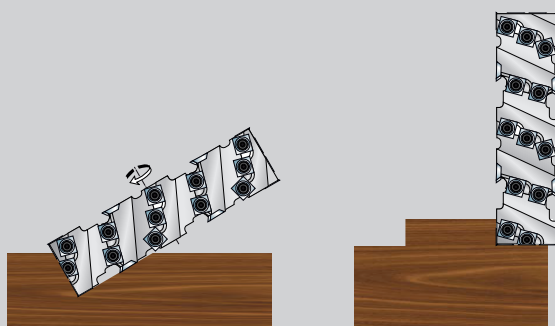


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



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
TR11503	LEGA LEGG.	350	100	55 DKN	4+4	8+8	R

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR115		
			01	02	03
Coltello/Knife	21x21x5,5	CTS01	32	36	40
Vite per Coltello/Knife's Screw	M7x16 Ø12	VT014	32	36	40
Chiave per Coltello/Knife's Key	Torx 30	TK030	1	1	1

TR 130

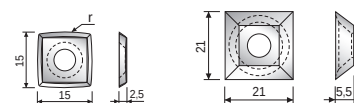
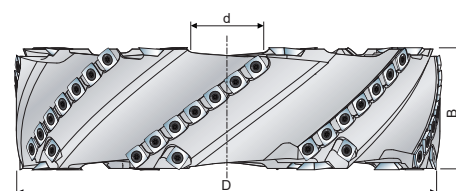
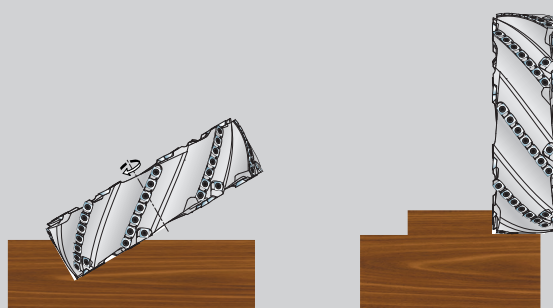
TRUCIOLATORE ELICOIDALE CON COLTELLO BOMBATO

Helical hogger with rounded knife
Spiralförmiger Zerspaner mit gewölbtes Messer
Triturador helicoidal con cuchilla bombada



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



CODICE CODE	MATERIALE MATERIAL	D mm	B mm	d mm	Z	R	ROTAZ. ROTAT.
TR13001	LEGA LEGG.	350	60	55 DKN	4+4	8+8	R
TR13002	LEGA LEGG.	350	80	55 DKN	4+4	8+8	R
TR13003	LEGA LEGG.	350	100	55 DKN	4+4	8+8	R

DISTINTA BASE/Bill of Materials

DESCRIZIONE DESCRIPTION	DIMENSIONI mm	CODICE CODE	CODICE TR130		
			01	02	03
Coltello/Knife	15×15×2,5	CRB02	40	52	64
Rasante/Spur	21×21×5,5	CTS01	16	16	16
Vite per Coltello/Knife's Screw	M5×12,5 Ø9	VT051	40	52	64
Vite per Rasante/Spur's Screw	M7×16 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

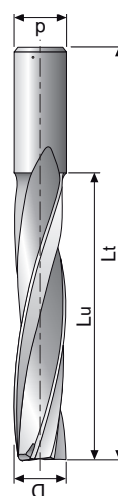
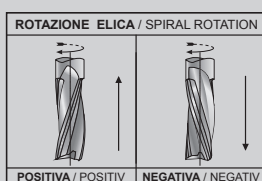
TR 120

FRESA HW INTEGRALE ELICOIDALE Z3

VHW Helical cutter Z3

VHW-Schlichtfräser Z3

Cabezal helicoidal VHW Z3

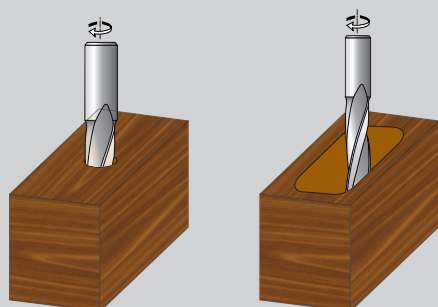


ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento

RT = CON ROMPITRUCIOLO

with chip breaker
mit Spannbrecher
con rompevirutas



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.





FRESE SB

SB CUTTERS

SB FRÄSER

FRESAS SB

FRESE SB

AB CUTTERS

SB FRÄSER

FRESAS SB

SB 010



FRESA SAGOMATA - PROFILO SEMPLICE

Profiled cutter - Simple profile
Profilfräser - Einfach Profil
Fresa perfilada - Perfil simple

294

SB 020



FRESA SAGOMATA - PROFILO COMPLESSO

Profiled cutter - Complex profile
Profilfräser - Komplex Profil
Fresa perfilada - Perfil complejo

295

SB 030



FRESA SAGOMATA - PROFILO SPECIALE

Profiled cutter - Special profile
Profilfräser - Sonder Profil
Fresa perfilada - Perfil especial

296

SB 040



FRESA CONCAVA PER QUARTO DI TONDO

Quarter round concave cutter
Viertelstabfräser - Konkav
Fresa cóncava para cuartos de redondo

297

SB 050



FRESA CONVEXA PER QUARTO DI TONDO

Quarter round convex cutter
Viertelstabfräser - Konvex
Fresa convexa para cuartos de redondo

298

SB 060



FRESA CONCAVA PER MEZZO TONDO

Half round concave cutter
Halbstabfräser - Konkav
Fresa cóncava para medio de redondos

299

SB 070



FRESA CONVEXA PER MEZZO TONDO

Half round convex cutter
Halbstabfräser - Konvex
Fresa convexa para medio de redondo

300

SB 080



FRESA PER INCASTRI Z6

Grooving cutter Z6
Nutfräser Z6
Fresa para ranurar Z6

301

SB 090



FRESA PER INCASTRI CON RASANTI Z4+4

Grooving cutter with spurs Z4+4
Nutfräser mit Vorschneider Z4+4
Fresa para ranurar con precortadores Z4+4

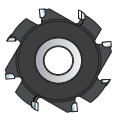
302

SB 100**FRESA SPECIALE PER INCASTRI**

Special grooving cutter
Sonder Nutfräser
Fresa especial para ranurar

304**SB 110****FRESA PER SMUSSI A 45°**

Chamfering cutter 45°
Fasefräser 45°
Fresa para biselés de 45°

306**SB 120****FRESA PER BATTUTE A TAGLIENTI ALTERNI**

Rebating cutter with alternate teeth
Falzfräser mit wechselnden Schneiden
Fresa para galces con dientes alternos

307**SB 130****FRESA PER INCASTRI REGISTRABILE CON RASANTI**

Adjustable grooving cutter with spurs
Verstellbarer Nutfräser mit Vorschneider
Fresa extensible para ranurar con precortadores

308**SB 140****FRESA PER LAMELLO**

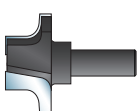
Cutter for lamello
Lamello Fräser
Fresa para lamello

309**SB 150****FRESA ELICOIDALE MULTITAGLIENTE**

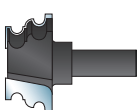
Helical multicutting cutter
Mehrschneidiger Hobelkopf
Fresa helicoidal con dientes múltiples

310**SB 160****FRESA ELICOIDALE MULTITAGLIENTE CON ROMPITRUCCIOLO**

Helical multicutting cutter with chip breaker
Mehrschneidiger Hobelkopf mit Spannbrecher
Fresa helicoidal con dientes múltiples y rompevirutas

311**SB 170****PUNTA SAGOMATA - PROFILO SEMPLICE**

Profiled cutter - Simple profile
Schafftfräser - Einfach Profil
Fresa perfilada - Perfil simple

312**SB 180****PUNTA SAGOMATA - PROFILO COMPLESSO**

Profiled cutter - Complex profile
Schafftfräser - Komplex Profil
Fresa perfilada - Perfil complejo

313

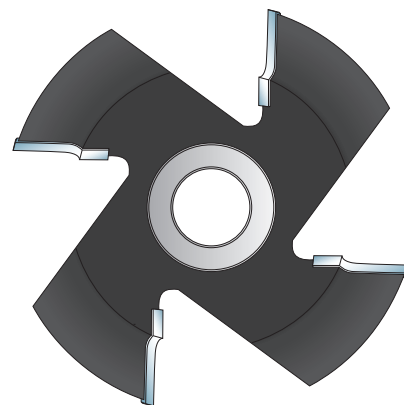
SB 010

FRESA SAGOMATA PROFILO SEMPLICE

Profiled cutter - Simple profile

Profilfräser - Einfach Profil

Fresa perfilada - Perfil simple

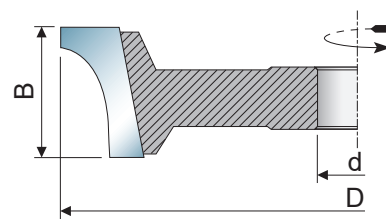
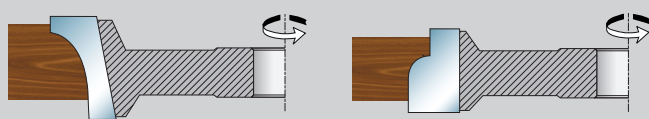


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



Z4

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	/					

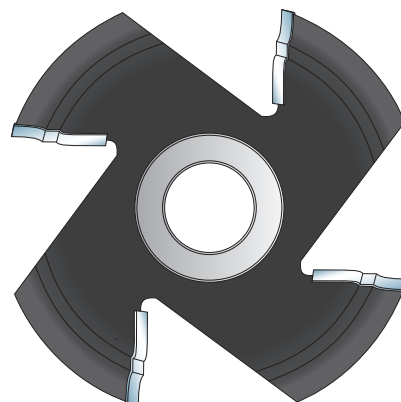
SB 020

FRESA SAGOMATA PROFILO COMPLESSO

Profiled cutter - Complex profile

Profilfräser - Komplex Profil

Fresa perfilada - Perfil complejo

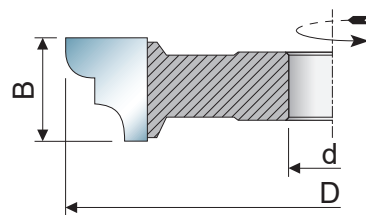
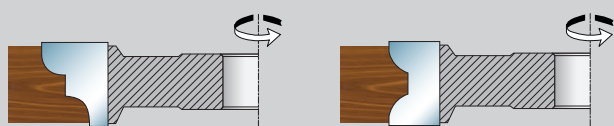


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



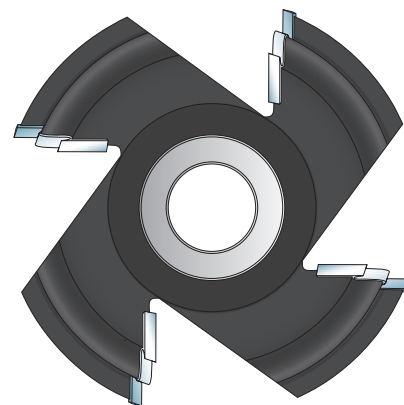
Z4

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	/					

SB 030

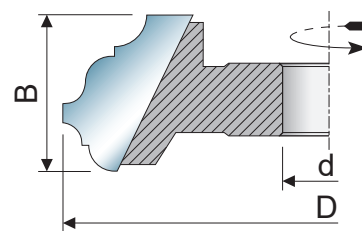
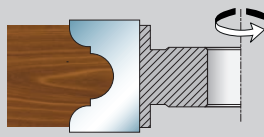
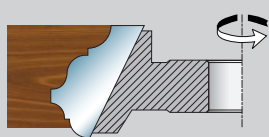
FRESA SAGOMATA PROFILO SPECIALE

Profiled cutter - Special profile
 Profilfräser - Sonder Profil
 Fresa perfilada - Perfil especial



ESEMPI DI LAVORAZIONE

Types of processing
 Verarbeitungsbeispiele
 Ejemplos de procesamiento



Z4

CODICE CODE	B mm	d mm	Z	DIAMETRI / DIAMETERS					
				D=100	D=120	D=140	D=160	D=180	D=200
SB03001	15	35/40	4						
SB03002	20	35/40	4						
SB03003	25	35/40	4						
SB03004	30	35/40	4						
SB03005	35	35/40	4						
SB03006	40	35/40	4						
SB03007	45	35/40	4						
SB03008	50	35/40	4						
SB03009	60	35/40	4						
SB03010	70	35/40	4						
SB03011	80	35/40	4	/					
SB03012	90	35/40	4	/					
SB03013	100	35/40	4	/					

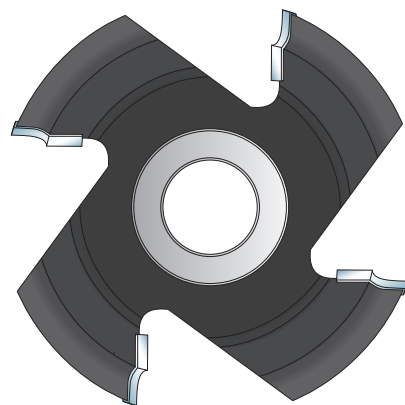
SB 040

FRESA CONCAVA PER QUARTO DI TONDO

Quarter round concave cutter

Viertelstabfräser - Konkav

Fresa cóncava para cuartos de redondo

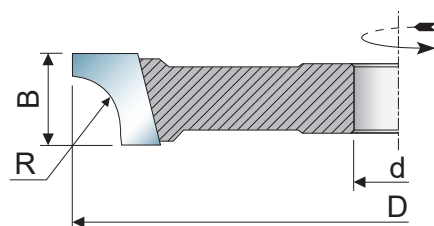
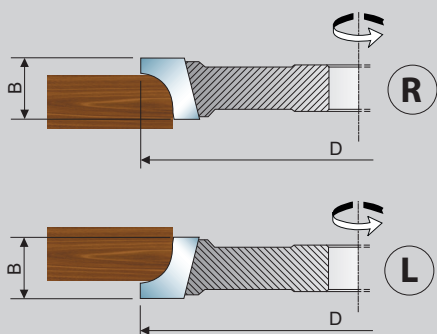


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



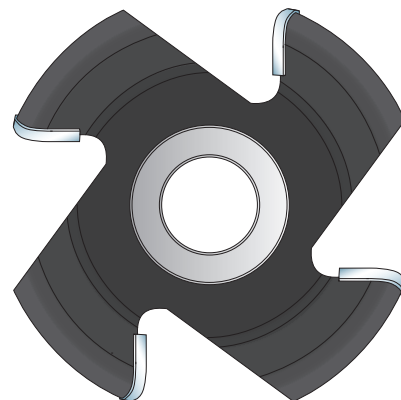
Z4

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	/

SB 050

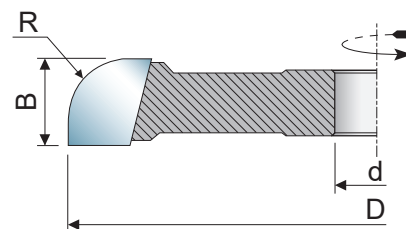
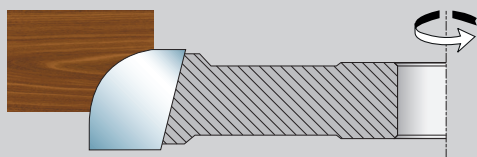
FRESA CONVESSA PER QUARTO DI TONDO

Quarter round convex cutter
Viertelstabfräser - Konvex
Fresa convexa para cuartos de redondo



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



Z4

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	/	

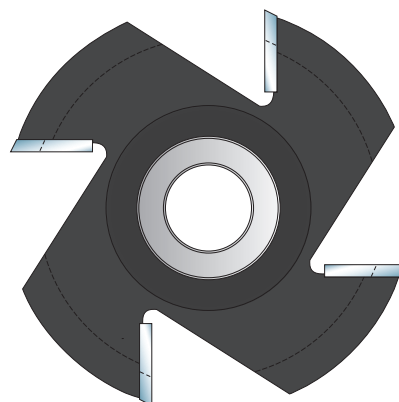
SB 060

FRESA CONCAVA PER MEZZO TONDO

Half round concave cutter

Halbstabfräser - Konkav

Fresa cóncava para medio de redondos

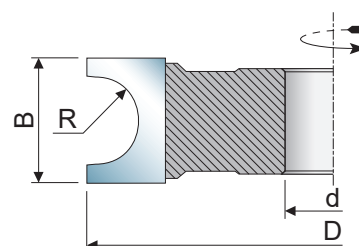
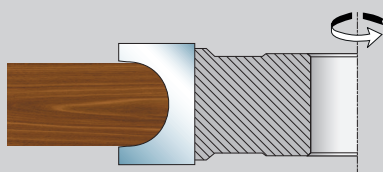


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



Z4

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	/	

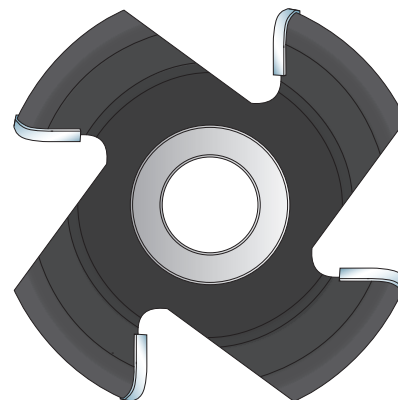
SB 070

FRESA CONVESSA PER MEZZO TONDO

Half round convex cutter

Halbstabfräser - Konvex

Fresa convexa para medio de redondo

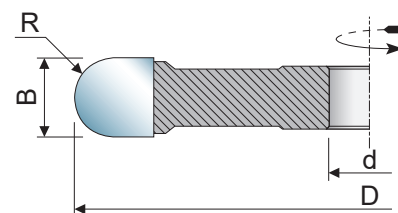
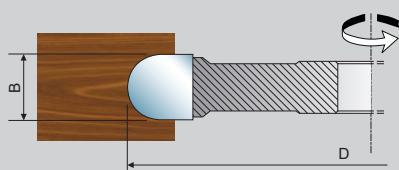


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



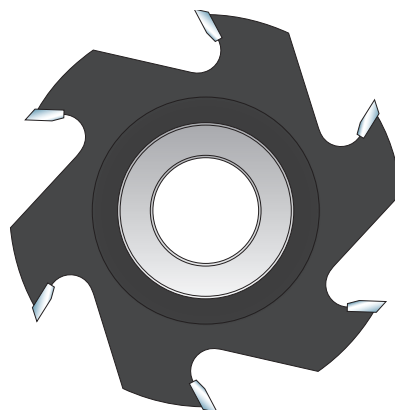
Z4

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	/	

SB 080

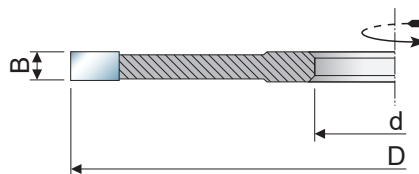
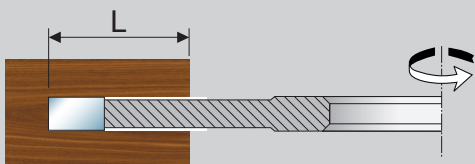
FRESA PER INCASTRI Z6

Grooving cutter Z6
Nutfräser Z6
Fresa para ranurar Z6



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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

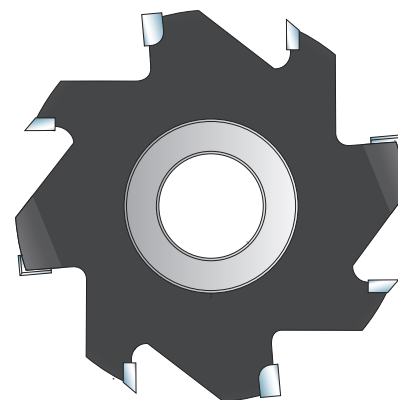
SB 090

FRESA PER INCASTRI CON RASANTI Z4+4

Grooving cutter with spurs Z4+4

Nutfräser mit Vorschneider Z4+4

Fresa para ranurar con precortadores Z4+4

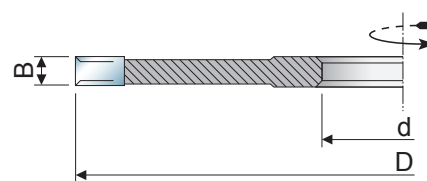
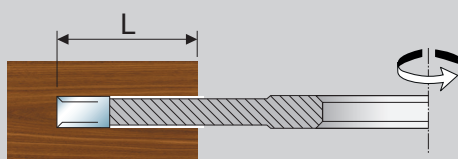


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



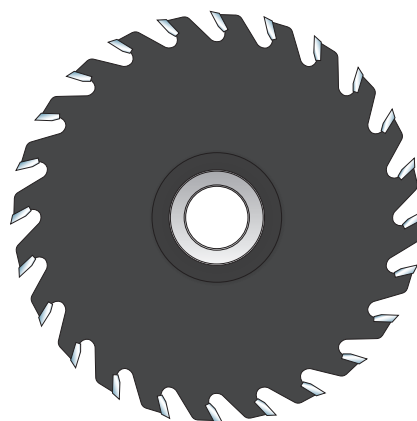
Z4+4

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

SB 100

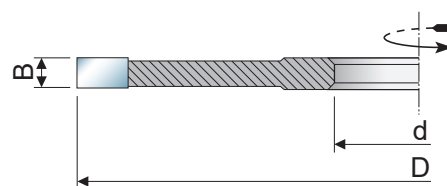
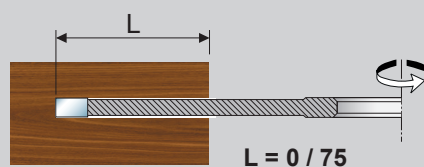
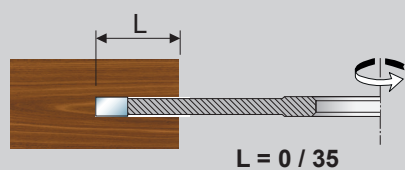
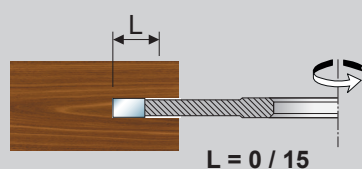
FRESA SPECIALE PER INCASTRI

Special grooving cutter
Sonder Nutfräser
Fresa especial para ranurar



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



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	/							

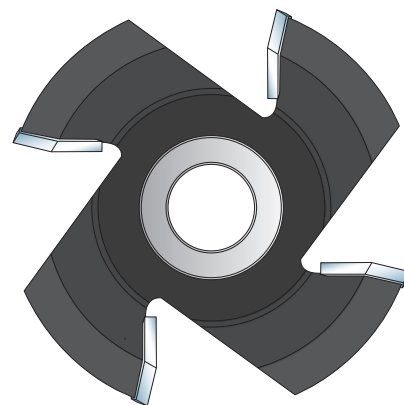
SB 110

FRESA PER SMUSSI A 45°

Chamfering cutter 45°

Fasefräser 45°

Fresa para biseles de 45°

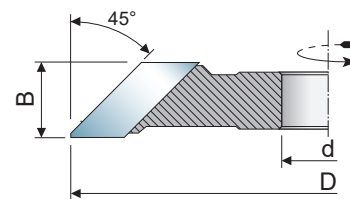
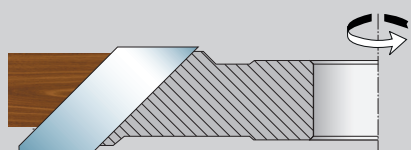


ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



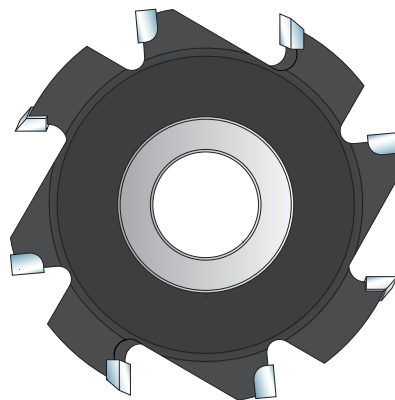
Z4

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						

SB 120

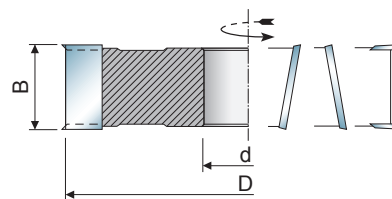
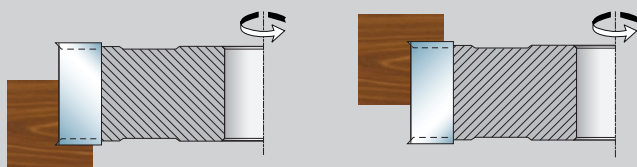
FRESA PER BATTUTE A TAGLIENTI ALTERNI

Rebating cutter with alternate teeth
Falzfräser mit wechselnden Schneiden
Fresa para galces con dientes alternos



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



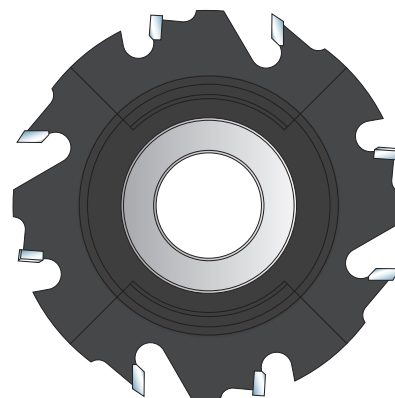
Z4+4

CODICE CODE	B mm	d mm	Z	DIAMETRI / DIAMETERS					
				D=100	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						

SB 130

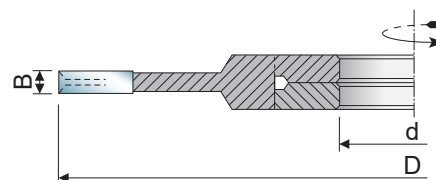
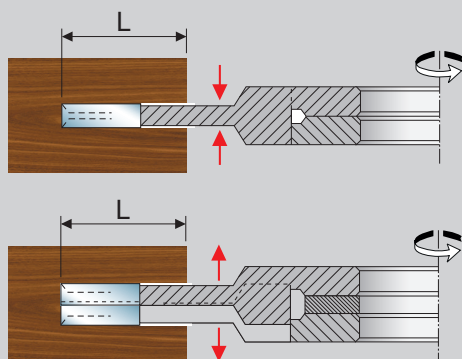
FRESA PER INCASTRI REGISTRABILE CON RASANTI

Adjustable grooving cutter with spurs
Verstellbarer Nutfräser mit Vorschneider
Fresa extensible para ranurar con precortadores



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



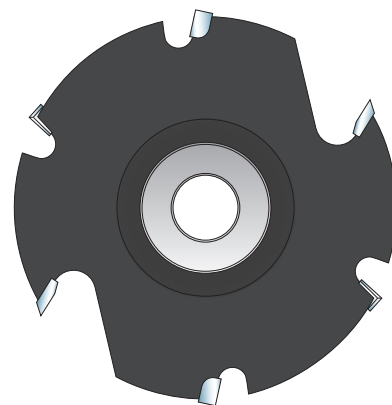
Z4+4_Z8+8

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	/	/	/	

SB 140

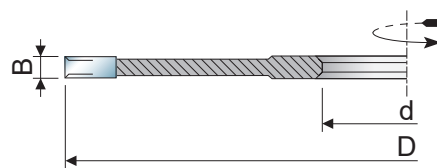
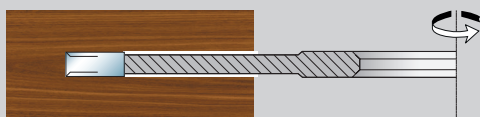
FRESA PER LAMELLO

Cutter for lamello
Lamello Fräser
Fresa para lamello

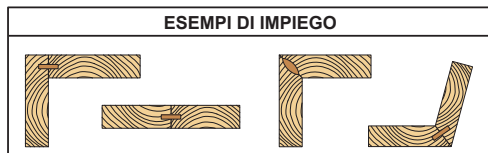


ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



ESEMPI DI IMPIEGO



Z2+4

CODICE CODE	D mm	B mm	d mm	Z	R
SB14001	100	3,97	22	2	4

SB 150

FRESA ELICOIDALE MULTITAGLIANTE

Helical multicutting cutter

Mehrschneidiger Hobelkopf

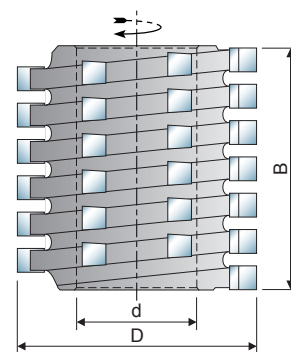
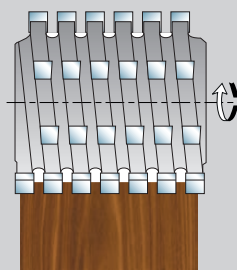
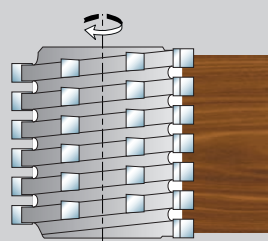
Fresa helicoidal con dientes múltiples

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



Z8_Z12_Z16

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	/				

SB 160

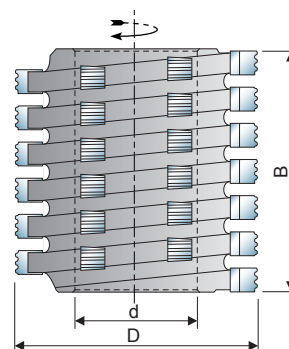
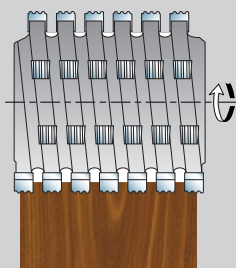
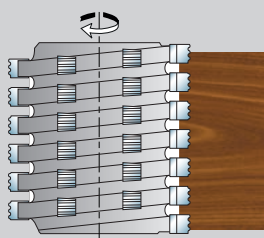
FRESA ELICOIDALE MULTITAGLIANTE CON ROMPITRUCCIOLO

Helical multicutting cutter with chip breaker
Mehrschneidiger Hobelkopf mit Spannbrecher
Fresa helicoidal con dientes multiples y rompevirutas



ESEMPI DI LAVORAZIONE

Types of processing
Verarbeitungsbeispiele
Ejemplos de procesamiento



Z12_Z16

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			

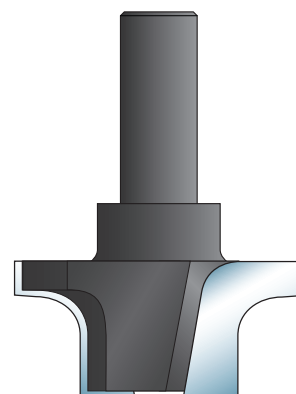
SB 170

PUNTA SAGOMATA PROFILO SEMPLICE

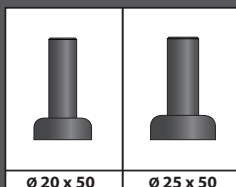
Profiled cutter - Simple profile

Schaftfräser - Einfach Profil

Fresa perfilada - Perfil simple



TIPOLOGIA DI ATTACCO SHANK TYPE



SPECIFICARE NELL'ORDINE IL SENSO DI ROTAZIONE E IL TIPO DI ATTACCO

Specify tool's rotation and shank type
in the order

Bitte Drehrichtung und Schaftmodell bei
der Bestellung angeben

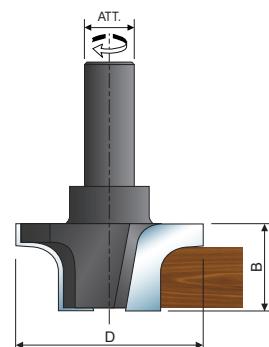
Indique en el pedido la rotación y el tipo
de enganche de la herramienta

ESEMPI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



Z2

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								/

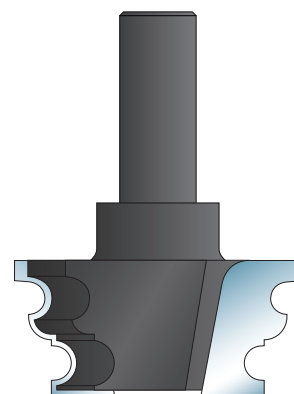
SB 180

PUNTA SAGOMATA PROFILO COMPLESSO

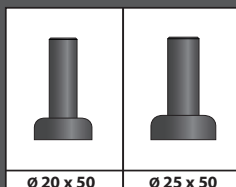
Profiled cutter - Complex profile

Schaftfräser - Komplex Profil

Fresa perfilada - Perfil complejo



TIPOLOGIA DI ATTACCO SHANK TYPE



SPECIFICARE NELL'ORDINE IL SENSO DI ROTAZIONE E IL TIPO DI ATTACCO

Specify tool's rotation and shank type in the order

Bitte Drehrichtung und Schaftmodell bei der Bestellung angeben

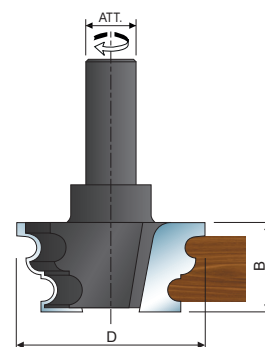
Indique en el pedido la rotación y el tipo de enganche de la herramienta

ESEMPLI DI LAVORAZIONE

Types of processing

Verarbeitungsbeispiele

Ejemplos de procesamiento



Z2

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								/





COLTELLI E RICAMBI

SPARE KNIVES AND SPARE PARTS
ERSATZMESSER UND ERSATZTEILE
CUCHILLAS Y ACCESORIOS

COLTELLI E RICAMBI

SPARE KNIVES AND SPARE PARTS ERSATZMESSER UND ERSATZTEILE CUCHILLAS Y ACCESORIOS

CGZ2



COLTELLO REVERSIBILE STANDARD

Standard reversible knife
Standard-Wendeschneidplatte
Cuchilla reversible estándar

320

CG45



COLTELLO PUNTE PER FOLDING

Knife for Folding router
Messer für Folding-Fräser
Cuchilla para brocas para Folding

320

CGZ4



COLTELLO REVERSIBILE 4 TAGLIENTI

Reversible knife with 4 cutting edges
Quadratische Wendeschneidplatten mit 4 Schneidkanten
Cuchilla reversible con 4 filos de corte

321

CGGP



COLTELLO FORANTE PER PUNTE GP

Drilling knife for GP cutters
Einbohrschneide für GP-Fräser
Cuchilla a taladrar para cabezal GP

321

CRR



COLTELLO RAGGIATO 2 LATI

Two-sided radius knife
Messer mit 2 Radiuskanten
Cuchilla de doble radio

322

CFPT

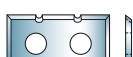


COLTELLO FORANTE PER TR070

Drilling knife for TR070
Einbohrschneide für TR070
Cuchilla a taladrar para TR070

322

CMT



COLTELLO PER PUNTA SERRATURE

Knife for lock set cutter
Messer für Schlosskastenfräser
Cuchilla para cabezal para cerraduras

322

CRB



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

323

CNTR

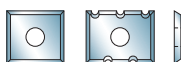


CENTRINO PER PUNTE

Centering point for router
Zentrierspitze für Fräser
Punta centraje para brocas

323

CPC



COLTELLO REVERSIBILE PER GP130

Reversible knife for GP130
Wendeschneidplatte für GP130
Cuchilla reversible para GP130

323

CRC



COLTELLO REVERSIBILE CON CROCE DI CENTRAGGIO E BOTTE

Crowed reversible knife with centering cross
Wendeschneidplatte mit Zentrierkreuz
Cuchilla bombada reversible con cruz de centrage

324

CRN



COLTELLO PER CODA DI RONDINE

Knife for dovetail execution
Messer für Schwalbenschwanzführung
Cuchilla para ejecución de cola de Milano

324

CTS

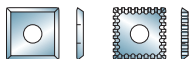


COLTELLO REVERSIBILE PER GRANDI ASPORTAZIONI

Reversible knife for big removal
Wendeschneidplatte für überschüssigem von Materialabfuhr
Cuchilla reversible para grande extirpación

324

CPTB



COLTELLO REVERSIBILE PER TR050-TR060

Reversible knife for TR050-TR060
Wendeschneidplatte für TR050-TR060
Cuchilla reversible para TR050-TR060

325

CRAB



COLTELLO REVERSIBILE A BOTTE

Crowed reversible knife
Gewölbtes Wendeschneidplatte
Cuchilla bombada reversible

325

RAS



RASANTE

Spur
Vorschneider
Precortador

325

IRAS



RASANTE PER PUNTA GP130

Spur for GP130
Vorschneider für GP130
Precortador para GP130

326

SPF



INSERTO SPIGOLATORE E RAGGIATORE STANDARD

Standard insert for rounding and bevelling
Standard Kanten
Inserto estándar para redondear y biselar

326

CRRA



COLTELLO PER REFILARE, RAGGIARE E ARROTONDARE

Knife for trimming / Rounding / Make radius
Messer für kanten / Radien / Abrunden
Cuchilla para desbarbar / Redondear / Hacer radio

326

IPC



INSERTO PER INCASTRI Z2

Insert for grooving Z2
Nuter Z2
Inserto para ranuras Z2

327

COLTELLI E RICAMBI

SPARE KNIVES AND SPARE PARTS

ERSATZMESSER UND ERSATZTEILE

CUCHILLAS Y ACCESORIOS

BGT



INSERTO PER INCASTRI Z1

Insert for grooving Z1
Nuter Z1
Inserto para ranuras Z1

327

IPCZ4



COLTELLO REVERSIBILE PER INCASTRI

Reversible knives for grooving
Wendeschneidplatte für Nuten
Cuchilla reversible para ranuras

327

CSPS

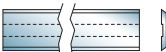


INSERTO RAGGIATORE E SPIGOLATORE SPECIALE

Special insert for trimming and beveling
Sonder Kantenrunder
Inserto especial para radiar y biselar

328

CBZ



COLTELLO REVERSIBILE PER PIALLA - BULLDOZER

Reversible knives for planing heads - Bulldozer
Wendeschneidplatte für Planfräser - Bulldozer
Cuchilla reversible para cabezal para cepillar - Bulldozer

329

CCL



COLTELLO REVERSIBILE PER PIALLA - CENTROLOCK

Reversible knives for planing heads - Centrolock
Wendeschneidplatte für Planfräser - Centrolock
Cuchilla reversible para cabezal para cepillar - Centrolock

329

CP

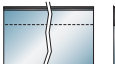


COLTELLO PER PIALLA DA 3 mm IN HSS 18%

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%

330

CPWR



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)

331

CW



COLTELLO PER PIALLA DA 3 mm IN HW INTEGRALE

HW knife 3 mm for planing heads
HW Vollhartmetall Messer für Planfräser
Cuchilla para cabezal para cepillar, 3 mm con placa HW (HSS+HW)

332

CR



COLTELLO ZIGRINATO IN HSS 18%

Back corrugated knife in HSS 18%
Rückverzahntes Messer aus HSS 18%
Cuchilla corrugada en HSS 18%

333

CRWR



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)

334

SSP



SISTEMA SUPER PACK

Super Pack System
Super Pack System
Sistema Super Pack

335

CRS



COLTELLO SAGOMATO DA 2 mm

Profiled knife 2 mm
Profiliertes Messer 2 mm
Cuchilla perfilada 2 mm

336

CRS



COLTELLO SAGOMATO DA 2 mm

Profiled knife 2 mm
Profiliertes Messer 2 mm
Cuchilla perfilada 2 mm

337

CRSG



COLTELLO SAGOMATO A GETTARE

Disposable profiled knives
Messer zum profilieren
Cuchilla perfilada desechable

337

CRS



COLTELLO SAGOMATO DA 3 mm

Profiled knife 3 mm
Profiliertes Messer 3 mm
Cuchilla perfilada 3 mm

338

CRS



COLTELLO SAGOMATO DA 3 mm

Profiled knife 3 mm
Profiliertes Messer 3 mm
Cuchilla perfilada 3 mm

339

FIX



COLTELLO TIPO FIX NON PROFILATO

Knife Fix type not profiled
Fix Messer nicht profiliert
Cuchilla tipo Fix no perfilada

340

BOCCOLE



BOCCOLE DI ASSEMBLAGGIO

Assembling sleeves
Büchse
Casquillos de ensamblaje

341

ANELLI



ANELLI DISTANZIALI

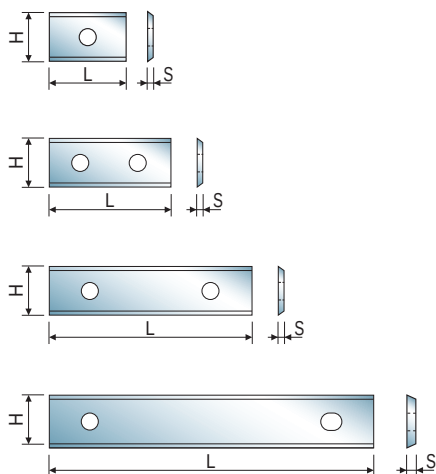
Spacer rings
Zwischenringe
Anillos distanciadores

341

CGZ2

COLTELLO REVERSIBILE STANDARD

Standard reversible knife
Standard-Wendeschneidplatte
Cuchilla reversible estándar

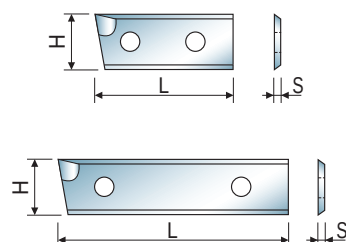


CODICE CODE	L mm	H mm	S mm	FORI	Z	TIPO GRADE
CGZ201	7,5	12	1,5	1	2	GDR04
CGZ202	7,5	12	1,5	1	2	GDR03
CGZ203	8,6	12	1,5	1	2	GDR04
CGZ204	9,6	12	1,5	1	2	GDR04
CGZ205	15	12	1,5	1	2	GDR04
CGZ206	15	12	1,5	1	2	GDR03
CGZ207	20	12	1,5	1	2	GDR04
CGZ208	20	12	1,5	1	2	GDR03
CGZ209	25	12	1,5	1	2	GDR04
CGZ210	25	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 routers
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

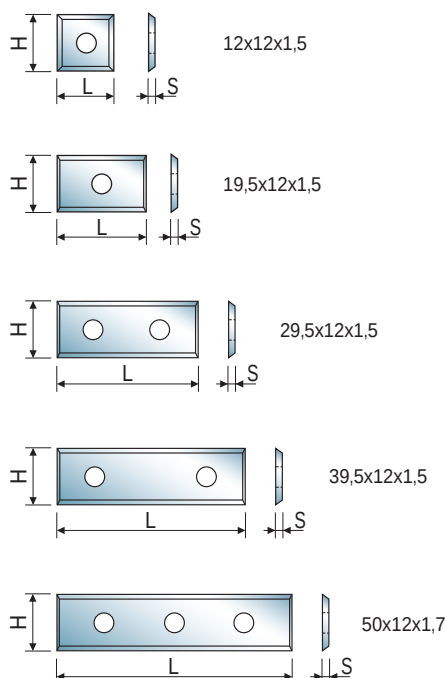
CGZ4

COLTELLO REVERSIBILE 4 TAGLIENTI

Reversible knife with 4 cutting edges

Quadratische Wendschneidplatten mit 4 Schneidkanten

Cuchilla reversible con 4 filos 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

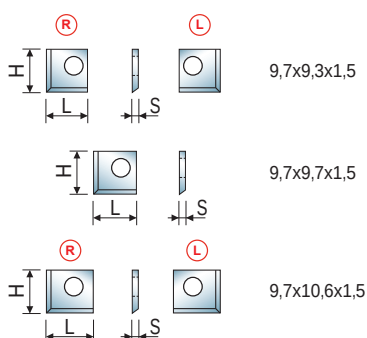
CGGP

COLTELLO FORANTE PER PUNTE GP

Drilling knife for GP cutters

Einbohrschneide für GP-Fräser

Cuchilla a taladrar para cabezal GP



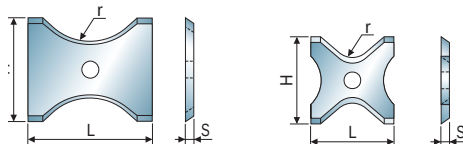
CODICE CODE	L mm	H mm	S mm	FORI	Z	ROTAZ. ROTAT.	TIPO GRADE
CGGP01	9,7	9,3	1,5	1	2	R	GDR04
CGGP02	9,7	9,3	1,5	1	2	L	GDR04
CGGP03	9,7	9,7	1,5	1	2	R/L	GDR04
CGGP04	9,7	10,6	1,5	1	2	R	GDR04
CGGP05	9,7	10,6	1,5	1	2	L	GDR04

CRR

COLTELLO RAGGIATO 2 LATI

Two-sided radius knife
Messer mit 2 Radiuskanten
Cuchilla de doble radio

CODICE CODE	L mm	H mm	S mm	Z	r	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

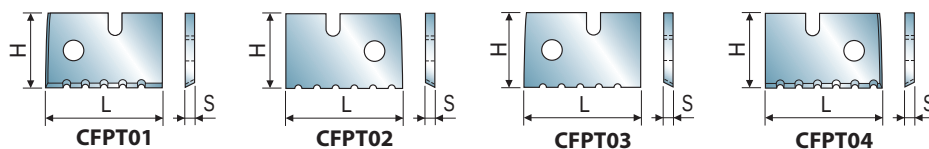


CFPT

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 SERRATURE

Knife for lock set cutter
Messer für Schlosskastenfräser
Cuchilla para cabezal 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

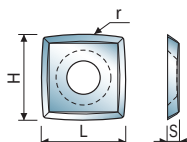


CRB

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	TIPO GRADE
CRB01	15	15	2,5	4	150	GDR10
CRB02	15	15	2,5	4	50	GDR10
CRB03	15	15	2,5	4	100	GDR10

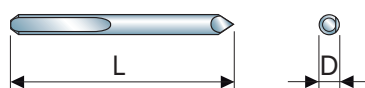


CNTR

CENTRINO PER PUNTE

Centering point for router
Zentrierspitze für Fräser
Punta centraje para brocas

CODICE CODE	L mm	D mm	TIPO GRADE
CNTR01	33,5	3	GDR08

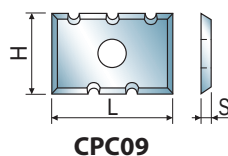
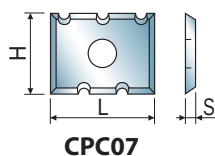
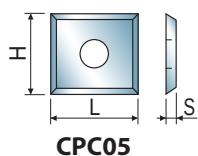
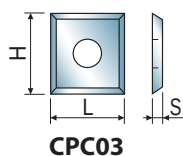


CPC

COLTELLO REVERSIBILE PER GP130

Reversible knife for GP130
Wendeschneidplatte für GP130
Cuchilla reversible para GP130

CODICE CODE	L mm	H mm	S mm	FIORI 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



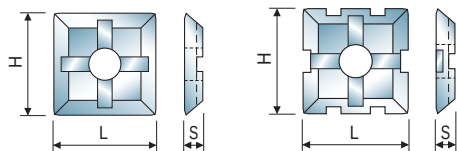
CRC

COLTELLO REVERSIBILE CON CROCE DI CENTRAGGIO E BOTTE

Crowed reversible knife with centering cross

Wendeschneidplatte mit Zentrierkreuz

Cuchilla bombada 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

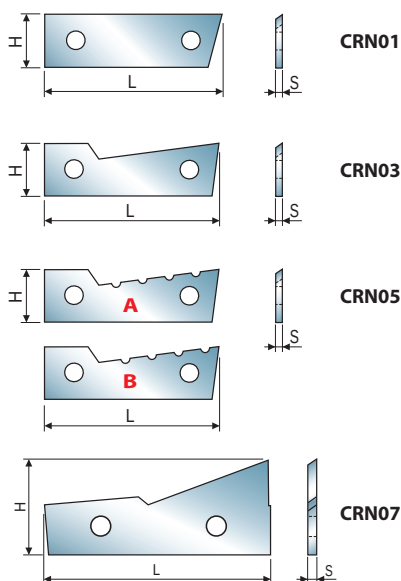
CRN

COLTELLO PER ESECUZIONE CODA DI RONDINE

Knife for dovetail execution

Messer für Schwalbenschwanzführung

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

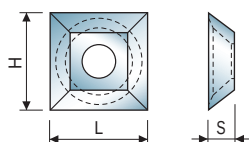
CTS

COLTELLO REVERSIBILE PER GRANDI ASPORTAZIONI

Reversible knife for big removal

Wendeschneidplatte für überschüssigem von Materialabfuhr

Cuchilla reversible para grande extracción

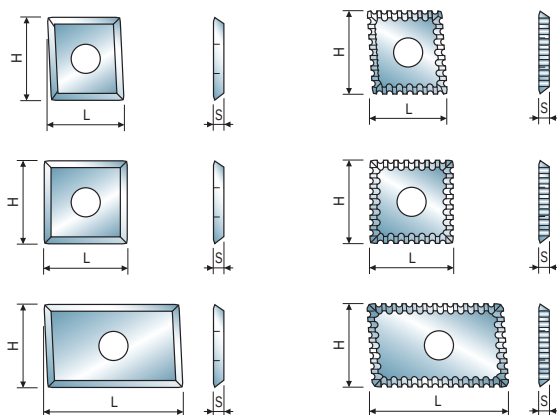


CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
CTS01	21	21	5,5	4	GDR10

CPTB

COLTELLO REVERSIBILE PER TR050-TR060

Reversible knife for TR050-TR060
Wendeschneidplatte für TR050-TR060
Cuchilla reversible para TR050-TR060

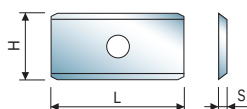


CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
CPTB01	11,6	12	1,5	4	GDR04
CPTB02	11,6	12	1,5	4	GDR04
CPTB03	12	12	1,5	4	GDR04
CPTB04	19,6	12	1,5	4	GDR04
CPTB05	19,6	12	1,5	4	GDR04
CPTB06	11,6	12	1,5	4+RT	GDR04
CPTB07	11,6	12	1,5	4+RT	GDR04
CPTB08	12	12	1,5	4+RT	GDR04
CPTB09	19,6	12	1,5	4+RT	GDR04
CPTB10	19,6	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 bombada reversible

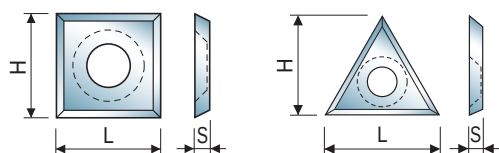


CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
CRAB01	24	12	1,5	2	GDR04
CRAB02	24	12	1,5	2	GDR03
CRAB03	24	12	1,5	2	GDR10

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	1,7×30°	4	GDR08
RAS06	22	19	2	3	GDR08

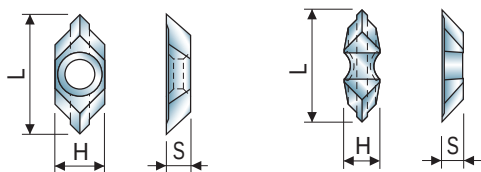
IRAS

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

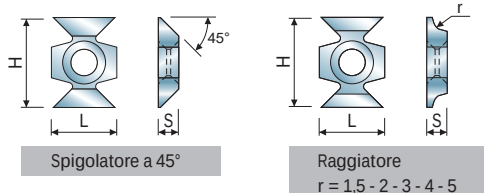
SPF

INSERTO SPIGOLATORE E RAGGIATORE STANDARD

Standard insert for rounding and bevelling

Standard Kanten- und Abrund- Einsätze

Inserto estándar para redondear y biselar



Spigolatore a 45°

Raggiatore
r = 1,5 - 2 - 3 - 4 - 5

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

COLTELLO PER REFILARE, RAGGIARE E ARROTONDARE

Knife for trimming, rounding and make radius

Messer für kanten, radien und abrunden

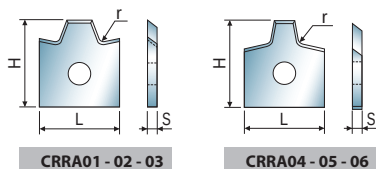
Cuchilla para desbarbar, redondear y hacer radio

* DIMENSIONE DEL RAGGIO A RICHIESTA

Radius dimension on request

Radiusabmessung auf Anfragen

Dimensión de el radio sobre pedido



CRRA01 - 02 - 03

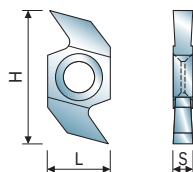
CRRA04 - 05 - 06

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
Nuter Z2
Inserto para ranuras Z2

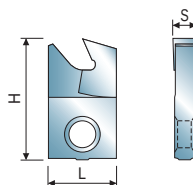


CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
IPC01	16	34	3	2	GDR06
IPC02	16	34	4	2	GDR06
IPC03	16	34	5	2	GDR06
IPC04	16	34	6	2	GDR06

BGT

INSERTO PER INCASTRI Z1

Insert for grooving Z1
Nuter Z1
Inserto para ranuras Z1

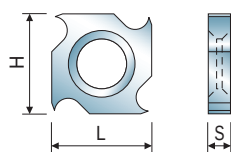


CODICE CODE	L mm	H mm	S mm	Z	TIPO GRADE
BGT01	20	35,6	3	1	GDR06
BGT02	20	35,6	4	1	GDR06
BGT03	20	35,6	5	1	GDR06
BGT04	20	35,6	6	1	GDR06
BGT05	20	35,6	8	1	GDR06

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
IPCZA01	18	18	1,95	4	GDR08
IPCZA02	18	18	2,45	4	GDR08
IPCZA03	18	18	2,95	4	GDR08

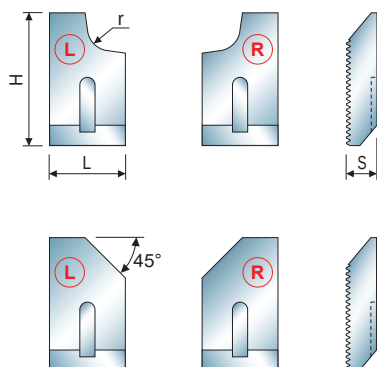
CSPS

INSERTO RAGGIATORE E SPIGOLARE SPECIALE

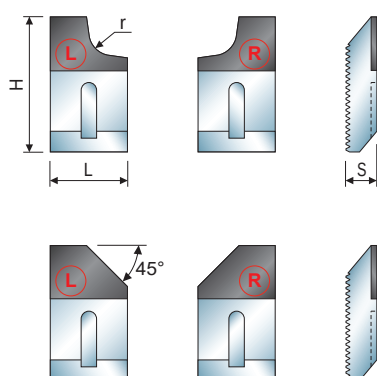
Special insert for trimming and beveling

Sonder Kantenrunder

Inserto especial para radiar y biselar



CODICE CODE	L mm	H mm	S mm	PROFILO PROFILE	ROTAZ. ROTAT.	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	ROTAZ. ROTAT.	MATERIALE MATERIAL
CSPS13	35	20	8	45°	R	HS+HW
CSPS14	35	20	8	r 3	R	HS+HW
CSPS15	35	20	8	r 4	R	HS+HW
CSPS16	35	20	8	r 5	R	HS+HW
CSPS17	35	20	8	r 6	R	HS+HW
CSPS18	35	20	8	r 8	R	HS+HW
CSPS19	35	20	8	45°	L	HS+HW
CSPS20	35	20	8	r 3	L	HS+HW
CSPS21	35	20	8	r 4	L	HS+HW
CSPS22	35	20	8	r 5	L	HS+HW
CSPS23	35	20	8	r 6	L	HS+HW
CSPS24	35	20	8	r 8	L	HS+HW

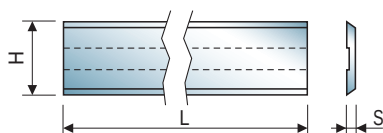
CBZ

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

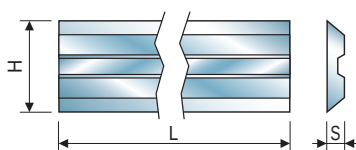
CCL

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

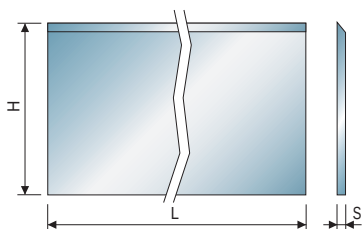
CP

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

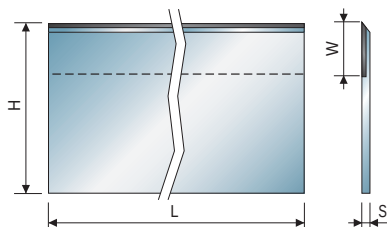
CPWR

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

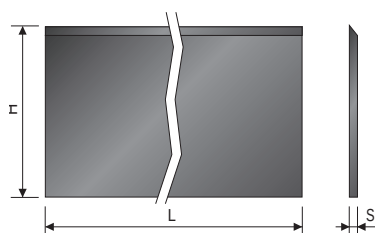
CW

COLTELLO PER PIALLA DA 3 mm IN HW INTEGRALE

HW knife 3 mm for planing heads

HW Vollhartsmetall Messer für Planfräser

Cuchilla para cabezal para cepillar,
3 mm con placa HW (HS + 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

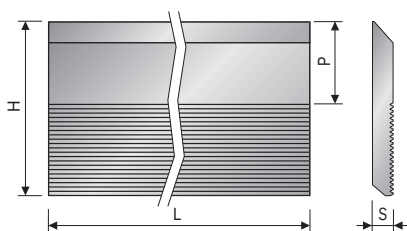
CR

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 = 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 = 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 = 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

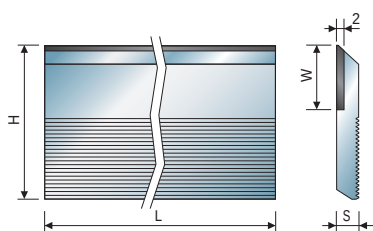
CRWR

COLTELLO ZIGRINATO CON PLACCA IN HW (HSS+HW)

Back corrugated knife
with HW plate (HSS+HW)

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

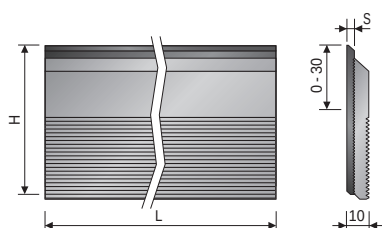
H = 70 mm

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

SSP

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

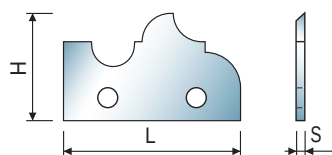
H = 60 mm

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

CRS

COLTELLO SAGOMATO DA 2 mm

Profiled knife 2 mm
Profiliertes Messer 2 mm
Cuchilla perfilada 2 mm

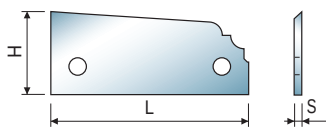


CODICE CODE	LxHxS mm	QUANTITA' / QUANTITY RANGE					
		1/5	6/15	16/23	24/39	40/63	OLTRE/OVER
CRS01	13x16x2						
CRS02	16x25x2						
CRS03	17,5x16x2						
CRS04	20x20x2						
CRS05	20x25x2						
CRS06	20x30x2						
CRS07	20x35x2						
CRS08	22x20x2						
CRS09	25x20x2						
CRS10	25x25x2						
CRS11	25x30x2						
CRS12	25x35x2						
CRS13	27x25x2						
CRS14	30x20x2						
CRS15	30x25x2						
CRS16	30x30x2						
CRS17	30x35x2						
CRS18	30x40x2						
CRS19	35x20x2						
CRS20	35x25x2						
CRS21	35x30x2						
CRS22	35x35x2						
CRS23	35x40x2						
CRS24	40x15x2						
CRS25	40x20x2						
CRS26	40x25x2						
CRS27	40x30x2						
CRS28	40x35x2						
CRS29	40x40x2						
CRS30	40x45x2						
CRS31	42x25x2						
CRS32	42x35x2						
CRS33	45x30x2						

CRS

COLTELLO SAGOMATO DA 2 mm

Profiled knife 2 mm
 Profiliertes Messer 2 mm
 Cuchilla perfilada 2 mm

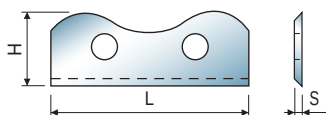


CODICE CODE	LxHxS mm	QUANTITA' / QUANTITY RANGE					
		1/5	6/15	16/23	24/39	40/63	OLTRE/OVER
CRS34	50x15x2						
CRS35	50x20x2						
CRS36	50x25x2						
CRS37	50x30x2						
CRS38	50x35x2						
CRS39	50x40x2						
CRS40	50x45x2						
CRS41	50x50x2						
CRS42	60x20x2						
CRS43	60x25x2						
CRS44	60x30x2						
CRS45	60x35x2						
CRS46	60x40x2						
CRS47	60x45x2						
CRS48	60x50x2						
CRS49	80x20x2						
CRS50	80x25x2						
CRS51	80x30x2						
CRS52	80x35x2						
CRS53	80x40x2						
CRS54	80x50x2						
CRS55	100x30x2						
CRS56	100x35x2						

CRSG

COLTELLO SAGOMATO A GETTARE

Disposable profiled knives
 Messer zum profilieren
 Cuchilla perfilada desechable

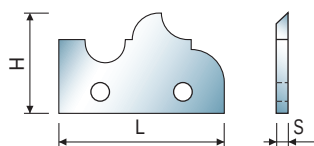


CODICE CODE	LxHxS mm
CRSG01	20x12x1,5
CRSG02	30x12x1,5
CRSG03	40x12x1,5
CRSG04	50x12x1,5
CRSG05	60x12x1,5

CRS

COLTELLO SAGOMATO DA 3 mm

Profiled knife 3 mm
Profiliertes Messer 3 mm
Cuchilla perfilada 3 mm

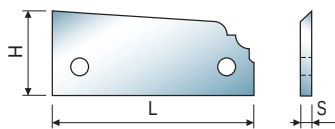


CODICE CODE	LxHxS mm	QUANTITA' / QUANTITY RANGE					
		1/5	6/15	16/23	24/39	40/63	OLTRE/OVER
CRS100	13x16x3						
CRS101	16x25x3						
CRS102	17,5x16x3						
CRS103	20x20x3						
CRS104	20x25x3						
CRS105	20x30x3						
CRS106	20x35x3						
CRS107	22x20x3						
CRS108	25x20x3						
CRS109	25x25x3						
CRS110	25x30x3						
CRS111	25x35x3						
CRS112	27x25x3						
CRS113	30x20x3						
CRS114	30x25x3						
CRS115	30x30x3						
CRS116	30x35x3						
CRS117	30x40x3						
CRS118	35x20x3						
CRS119	35x25x3						
CRS120	35x30x3						
CRS121	35x35x3						
CRS122	35x40x3						
CRS123	40x15x3						
CRS124	40x20x3						
CRS125	40x25x3						
CRS126	40x30x3						
CRS127	40x35x3						
CRS128	40x40x3						
CRS129	40x45x3						
CRS130	42x25x3						
CRS131	42x35x3						
CRS132	45x30x3						

CRS

COLTELLO SAGOMATO DA 3 mm

Profiled knife 3 mm
Profiliertes Messer 3 mm
Cuchilla perfilada 3 mm

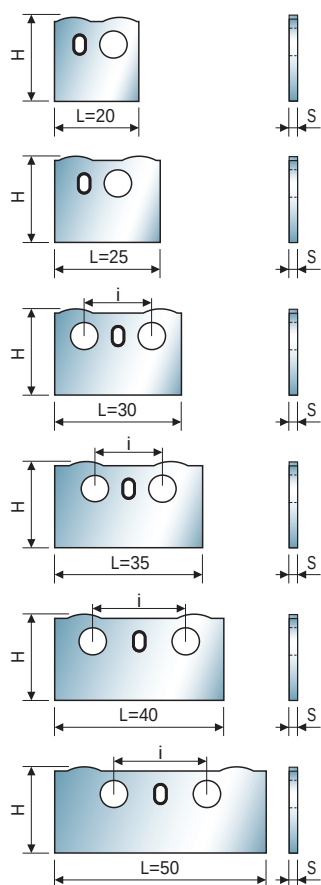


CODICE CODE	LxHxS mm	QUANTITA' / QUANTITY RANGE					
		1/5	6/15	16/23	24/39	40/63	OLTRE/OVER
CRS133	50x15x3						
CRS134	50x20x3						
CRS135	50x25x3						
CRS136	50x30x3						
CRS137	50x35x3						
CRS138	50x40x3						
CRS139	50x45x3						
CRS140	50x50x3						
CRS141	57x30x3						
CRS142	60x20x3						
CRS143	60x25x3						
CRS144	60x30x3						
CRS145	60x35x3						
CRS146	60x40x3						
CRS147	60x45x3						
CRS148	60x50x3						
CRS149	80x20x3						
CRS150	80x25x3						
CRS151	80x30x3						
CRS152	80x35x3						
CRS153	80x40x3						
CRS154	80x50x3						
CRS155	100x30x3						
CRS156	100x35x3						

FIX

COLTELLO TIPO FIX NON PROFILATO

Knife Fix type not profiled
Fix Messer nicht profiliert
Cuchilla tipo Fix no perfilada



CODICE CODE	L mm	H mm	S mm	FORI / HOLES		Z	TIPO GRADE
				n°	i		
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
FIX36	80	30	2	2	50	1	GDR04
FIX37	80	35	2	2	50	1	GDR04
FIX38	80	40	2	2	50	1	GDR04

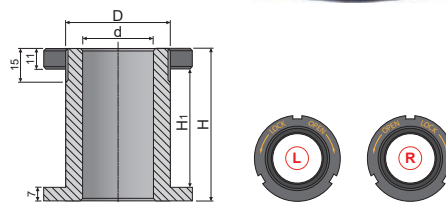
BOCCOLE

BOCCOLE DI ASSEMBLAGGIO

Assembling sleeves
Zusammensetzung büchsen
Casquillos de ensamblaje

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

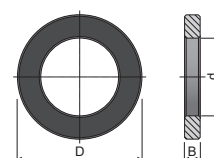


H mm	H1 mm	D 50	d 33	D 50	d 35	D 50	d 40	D 60	d 30	D 50	d 35	D 60	d 40	D 60	d 45	D 60	d 50
60	42	B0605030	B0605035	B0605040	B0606030	B0606035	B0606040	B0606045	B0606050								
70	52	B0705030	B0705035	B0705040	B0706030	B0706035	B0706040	B0706045	B0706050								
80	65	B0805030	B0805035	B0805040	B0806030	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								

ANELLI

ANELLI DISTANZIALI

Spacer rings
Zwischenringe
Anillos distanciadores



D mm	d mm	0,1	0,2	0,3	0,5	1	B / mm 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

MANDRINI

CHUCK HOLDERS

FÜTTER

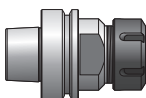
PORTAHERRAMIENTAS



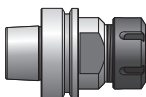


PINZA

Collet
Spannzange
Pinza

346**HSK63E****MANDRINO HSK-63E
PER PINZE ER-32/40**

Collet chuck holder HSK-63E for collet ER-32/40
Spannzangefutter HSK-63E für ER-32/40
Portaherramienta HSK-63E para pinzas ER-32/40

347**HSK63F****MANDRINO HSK-63F
PER PINZE ER-32/40**

Collet chuck holder HSK-63F for collet ER-32/40
Spannzangefutter HSK-63F für ER-32/40
Portaherramienta HSK-63F para pinzas ER-32/40

347**HSK63F-C****MANDRINO PER CALETTAMENTO
A CALDO**

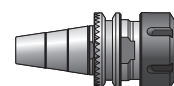
Shrink fit chuck holder
Shrumpffutter
Portaherramientas de aprieto térmico

348**HSK63F-HP****MANDRINO PORTA PINZE**

Collet chuck holder
Spannzangenfutter
Portapinzas

348**ISO 30****MANDRINO ISO-30
PER PINZE ER-32/40**

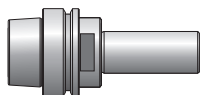
Collet chuck holder ISO-30 for collet ER-32/40
Spannzangefutter ISO-30 für ER-32/40
Portaherramienta ISO-30 para pinzas ER-32/40

349**FDISO 30****MANDRINO ISO-30 PER PINZE
ER-32/40 CON FLANGIA DENTATA**

Collet chuck holder ISO-30 for collet ER-32/40 with
serrated flange
Spannzangefutter ISO-30 für ER-32/40 mit verzahnte Flansch
Portaherramienta ISO-30 para pinzas ER-32/40
con acoplamiento dentado

350

PHSK63E

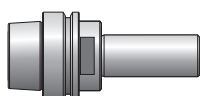


MANDRINO PORTAFRESE HSK-63E

Tools' holder HSK-63E
HSK-63E Aufnahme
Portaherramienta HSK-63E

350

PHSK63F

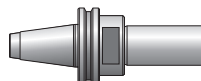


MANDRINO PORTAFRESE HSK-63F

Tools' holder HSK-63F
HSK-63F Aufnahme
Portaherramienta HSK-63F

351

PISO 30

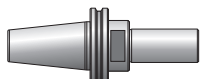


MANDRINO PORTAFRESE ISO-30

Tools'holders ISO-30
ISO-30 Aufnahme
Portaherramientas ISO-30

352

PISO 40



MANDRINO PORTAFRESE ISO-40

Tools'holders ISO-40
ISO-40 Aufnahme
Portaherramientas ISO-40

353

ALB-VH



MANDRINO PORTAFRESE CON SISTEMA VORTEX BLOCCAGGIO HYDRO

Tools' holder with "VORTEX" system - Hydro locking
Werkzeughalter mit "VORTEX" System - Hydro Einspannen
Portaherramienta con sistema "VORTEX" - Bloqueo hydro

354

TURBINA



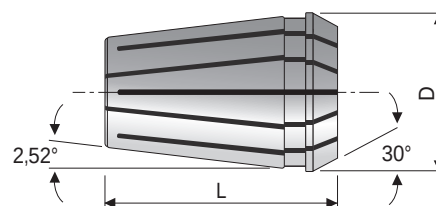
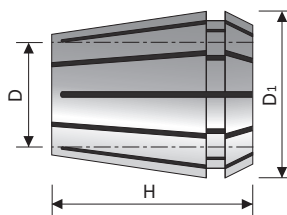
TURBINA CON SISTEMA VORTEX BLOCCAGGIO ER/EOC

Turbine with Vortex system - ER/EOC clamping
Turbine mit Vortex system - Spannung ER/EOC
Turbina con sistema Vortex - Bloqueo ER/EOC

354

PINZA

Collet
Spannzange
Pinza



TIPO ER-32

CODICE CODE	D mm	D ₁ mm	H mm
32020	3-2	33	40
32030	4-3	33	40
32040	5-4	33	40
32050	6-5	33	40
32060	7-6	33	40
32070	8-7	33	40
32080	9-8	33	40
32090	10-9	33	40
320100	11-10	33	40
320110	12-11	33	40
320120	13-12	33	40
320130	14-13	33	40
320140	15-14	33	40
320150	16-15	33	40
320160	17-16	33	40
320170	18-17	33	40
320180	19-18	33	40
320190	20-19	33	40

TIPO ER-40

CODICE CODE	D mm	D ₁ mm	H mm
40040	4-3	41	46
40050	5-4	41	46
40060	6-5	41	46
40070	7-6	41	46
40080	8-7	41	46
40090	9-8	41	46
40100	10-9	41	46
40110	11-10	41	46
40120	12-11	41	46
40130	13-12	41	46
40140	14-13	41	46
40150	15-14	41	46
40160	16-15	41	46
40170	17-16	41	46
40180	18-17	41	46
40190	19-18	41	46
40200	20-19	41	46
40210	21-20	41	46
40220	22-21	41	46
40230	23-22	41	46
40240	24-23	41	46
40250	25-24	41	46
40260	26-25	41	46
40270	27-26	41	46
40280	28-27	41	46
40290	29-28	41	46
40300	30-29	41	46

TIPO EOC-25

CODICE CODE	D mm	D ₁ mm	H mm
50040	4-3	41	52
50050	5-4	41	52
50060	6-5	41	52
50070	7-6	41	52
50080	8-7	41	52
50090	9-8	41	52
50100	10-9	41	52
50110	11-10	41	52
50120	12-11	41	52
50130	13-12	41	52
50140	14-13	41	52
50150	15-14	41	52
50160	16-15	41	52
50170	17-16	41	52
50180	18-17	41	52
50190	19-18	41	52
50200	20-19	41	52
50210	21-20	41	52
50220	22-21	41	52
50230	23-22	41	52
50240	24-23	41	52
50250	25-24	41	52

HSK63E

MANDRINO HSK-63E PER PINZE ER-32/40

Collet chuck holder HSK-63E for collet ER-32/40

Spannzangefutter HSK-63E für ER-32/40

Portaherramienta HSK-63E para pinzas ER-32/40

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94)

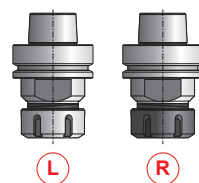
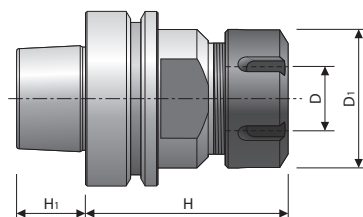
WEEKE - DUBUS - BUSELLATO

CODICE CODE	D mm	D ₁ mm	H mm	H ₁ mm	GHIERA	ROTAZ. ROTAT.
HSK63E01	3-20	50	73	32	ER-32	R
HSK63E02	3-20	50	73	32	ER-32	L
HSK63E03	4-30	50	80	32	ER-40	R
HSK63E04	4-30	50	80	32	ER-40	L

RICAMBI ORDINABILI		SPARE PARTS
		
GHIERA / NUT	PINZA / COLLET	CHIAVE / KEY

La pinza non è compresa nel mandrino

Collet not included



HSK63F

MANDRINO HSK-63F PER PINZE ER-32/40

Collet chuck holder HSK-63F for collet ER-32/40

Spannzangefutter HSK-63F für ER-32/40

Portaherramienta HSK-63F para pinzas ER-32/40

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94)

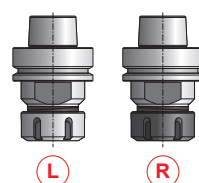
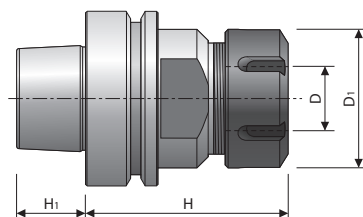
WEEKE - DUBUS - BUSELLATO

CODICE CODE	D mm	D ₁ mm	H mm	H ₁ mm	GHIERA	ROTAZ. ROTAT.
HSK63F01	3-20	50	73	25	ER-32	R
HSK63F02	3-20	50	73	25	ER-32	L
HSK63F03	4-30	50	80	25	ER-40	R
HSK63F04	4-30	50	80	25	ER-40	L

RICAMBI ORDINABILI		SPARE PARTS
		
GHIERA / NUT	PINZA / COLLET	CHIAVE / KEY

La pinza non è compresa nel mandrino

Collet not included



HSK63F-C

MANDRINO PER CALETTAMENTO A CALDO

Shrink fit chuck holder
Shrumpffutter
Portaherramientas de aprieto térmico

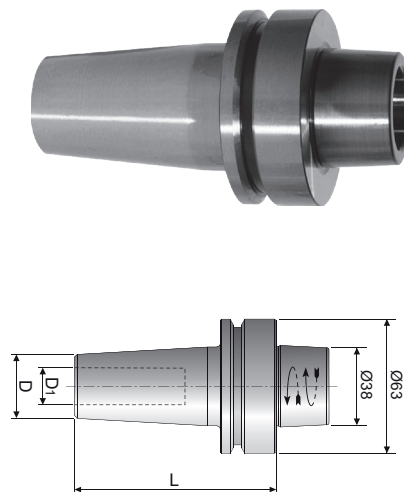
TIPI DI MACCHINARI / FOR MACHINE

BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94)
WEEKE - DUBUS - BUSELLATO

CODICE CODE	D ₁ mm	D mm	L mm	ATTACCO SHANK	ROTAZ. ROTAT.
HSK63F-C01	12	32	75	HSK63F	R/L
HSK63F-C02	16	34	75	HSK63F	R/L
HSK63F-C03	20	42	75	HSK63F	R/L
HSK63F-C04	25	53	75	HSK63F	R/L

RICAMBI ORDINABILI		SPARE PARTS
		
GHIERA / NUT	PINZA / COLLET	CHIAVE / KEY

La pinza non è compresa nel mandrino
Collet not included



HSK63F-HP

MANDRINO PORTA PINZE

Collet chuck holder
Spannzangenfutter
Portapinzas

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94)
WEEKE - DUBUS - BUSELLATO

CODICE CODE	D mm	L mm	PINZA CODE	ATTACCO SHANK	ROTAZ. ROTAT.
HSK63F-HP01	53	76	EOC25	HSK63F	R/L
HSK63F-HP02	50	76	ER-32	HSK63F	R/L

RICAMBI ORDINABILI		SPARE PARTS
		
GHIERA / NUT	PINZA / COLLET	CHIAVE / KEY

La pinza non è compresa nel mandrino
Collet not included



ISO 30

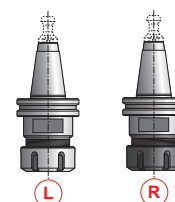
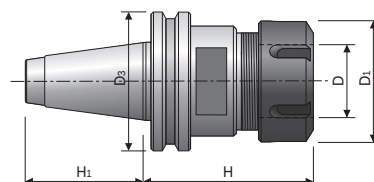
MANDRINO ISO-30 PER PINZE ER-32/40

Collet chuck holder ISO-30 for collet ER-32/40
Spannzangefutter ISO-30 für ER-32/40
Portaherramienta ISO-30 para pinzas ER-32/40

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - COSMEC - MASTERWOOD

CODICE CODE	D mm	D ₁ mm	D ₃ mm	H mm	H ₁ mm	GHIERA	ROTAZ. ROTAT.
ISO3001	3-20	50	50	50	47,8	ER-32	R
ISO3002	3-20	50	50	50	47,8	ER-32	L
ISO3003	4-30	63	50	57	47,8	ER-40	R
ISO3004	4-30	63	50	57	47,8	ER-40	L



TIPI DI MACCHINARI / FOR MACHINE

BIESSE - SCM - MORBIDELLI - EIMA - DUBUS - WEEKE

CODICE CODE	D mm	D ₁ mm	D ₃ mm	H mm	H ₁ mm	GHIERA	ROTAZ. ROTAT.
ISO3005	3-20	50	50	68	47,8	ER-32	R
ISO3006	3-20	50	50	68	47,8	ER-32	L
ISO3007	4-30	63	50	68	47,8	ER-40	R
ISO3008	4-30	63	50	68	47,8	ER-40	L

TIPI DI MACCHINARI / FOR MACHINE

CMS

CODICE CODE	D mm	D ₁ mm	D ₃ mm	H mm	H ₁ mm	GHIERA	ROTAZ. ROTAT.
ISO3009	3-20	50	46	60	47,8	ER-32	R
ISO3010	3-20	50	46	60	47,8	ER-32	L
ISO3011	4-30	63	46	65	47,8	ER-40	R
ISO3012	4-30	63	46	65	47,8	ER-40	L

RICAMBI ORDINABILI		SPARE PARTS	
	TIRANTE / PULL STUD		GHIERA / NUT
	PINZA / COLLET		CHIAVE / KEY

La pinza non è compresa nel mandrino
Collet not included

FDISO 30

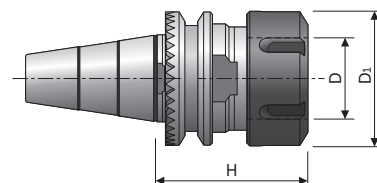
MANDRINO ISO-30 PER PINZE ER-32/40 CON FLANGIA DENTATA

Collet chuck holder ISO-30 for collet ER-32/40 with serrated flange
Spannzangefutter ISO-30 für ER-32/40 mit verzahnte Flansch
Portaherramienta ISO-30 para pinzas ER-32/40 con acoplamiento dentado

TIPI DI MACCHINARI / FOR MACHINE

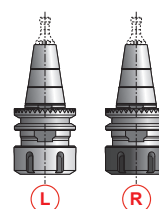
SCM - MORBIDELLI

CODICE CODE	D mm	D ₁ mm	H mm	GHIERA	ROTAZ. ROTAT.
FDISO3001	3-20	50	55	ER-32	R
FDISO3002	3-20	50	55	ER-32	L
FDISO3003	4-30	63	74	ER-40	R
FDISO3004	4-30	63	74	ER-40	L



RICAMBI ORDINABILI		SPARE PARTS	
			
TIRANTE / PULL STUD	GHIERA / NUT	PINZA / COLLET	CHIAVE / KEY

La pinza e il tirante non sono compresi nel mandrino
Collect and pull stud not included



PHSK63E

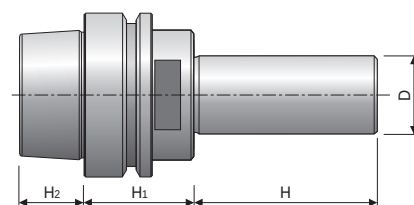
MANDRINO PORTAFRESE HSK-63E

Tools' holder HSK-63E
HSK-63E Aufnahme
Portaherramienta HSK-63E

TIPI DI MACCHINARI / FOR MACHINE

CMS - UNITEAM

CODICE CODE	D mm	H mm	H ₁ mm	H ₂ mm
PHSK63E01	20	70	42	32
PHSK63E02	30	70	42	32
PHSK63E03	30	80	42	32
PHSK63E04	30	100	42	32
PHSK63E05	30	150	42	32
PHSK63E06	35	70	42	32
PHSK63E07	35	80	42	32
PHSK63E08	35	100	42	32
PHSK63E09	35	150	42	32
PHSK63E10	40	70	42	32
PHSK63E11	40	80	42	32
PHSK63E12	40	100	42	32
PHSK63E13	40	150	42	32



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

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included

PHSK63F

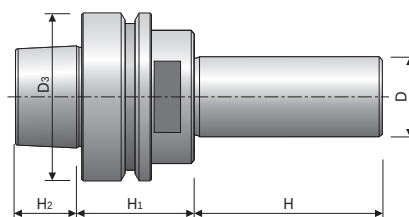
MANDRINO PORTAFRESE HSK-63F

Tools' holder HSK-63F
 HSK-63F Aufnahme
 Portaherramienta HSK-63F

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - EIMA - HOMAG - SCM - IMA (da 9/94)
 WEEKE - DUBUS - BUSELLATO

CODICE CODE	D mm	H mm	H ₁ mm	H ₂ mm
PHSK63F01	20	70	42	25
PHSK63F02	30	70	42	25
PHSK63F03	30	80	42	25
PHSK63F04	30	100	42	25
PHSK63F05	30	150	42	25
PHSK63F06	35	70	42	25
PHSK63F07	35	80	42	25
PHSK63F08	35	100	42	25
PHSK63F09	35	150	42	25
PHSK63F10	40	70	42	25
PHSK63F11	40	80	42	25
PHSK63F12	40	100	42	25
PHSK63F13	40	150	42	25



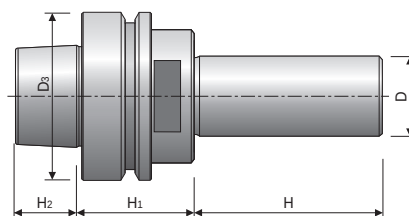
RICAMBI ORDINABILI	SPARE PARTS
 FLANGIA DI BLOCCAGGIO ESPANSO EXPANDED FLANGED CAP	 FLANGIA DI BLOCCAGGIO RIDOTTO REDUCED FLANGED CAP
 1 VITE PER FLANGIA 1 SCREW FOR FLANGE	

Completo di viti e flangia di bloccaggio ridotto
 Screws and reduced flanged cap included

TIPI DI MACCHINARI / FOR MACHINE

SCM - MORBIDELLI

CODICE CODE	D mm	H mm	H ₁ mm	H ₂ mm
PHSK63F14	20	70	33	25
PHSK63F15	30	70	33	25
PHSK63F16	30	80	33	25
PHSK63F17	30	100	33	25
PHSK63F18	30	150	33	25
PHSK63F19	35	70	33	25
PHSK63F20	35	80	33	25
PHSK63F21	35	100	33	25
PHSK63F22	35	150	33	25
PHSK63F23	40	70	33	25
PHSK63F24	40	80	33	25
PHSK63F25	40	100	33	25
PHSK63F26	40	150	33	25



PISO 30

MANDRINO PORTAFRESE ISO-30

Tools' holder ISO-30

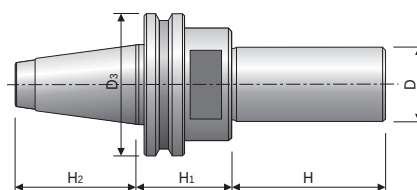
ISO-30 Aufnahme

Portaherramienta ISO-30

TIPI DI MACCHINARI / FOR MACHINE

BIESSE - COSMEC - HOMAG - MAKI - BULLERI
ALBERTI - REICHENBACHER - MASTERWOOD
BUSELLATO

CODICE CODE	D mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm
PISO3001	20	50	70	35	47,8
PISO3002	30	50	70	35	47,8
PISO3003	30	50	80	35	47,8
PISO3004	30	50	100	35	47,8
PISO3005	30	50	150	35	47,8
PISO3006	35	50	70	35	47,8
PISO3007	35	50	80	35	47,8
PISO3008	35	50	100	35	47,8
PISO3009	35	50	150	35	47,8



TIPI DI MACCHINARI / FOR MACHINE

CMS

CODICE CODE	D mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm
PISO3010	20	46	70	35	47,8
PISO3011	30	46	70	35	47,8
PISO3012	30	46	80	35	47,8
PISO3013	30	46	100	35	47,8
PISO3014	30	46	150	35	47,8
PISO3015	35	46	70	35	47,8
PISO3016	35	46	80	35	47,8
PISO3017	35	46	100	35	47,8
PISO3018	35	46	150	35	47,8

RICAMBI ORDINABILI	SPARE PARTS
 TIRANTE / PULL STUD	 FLANGIA DI BLOCCAGGIO RIDOTTO REDUCED FLANGED CAP
 1 VITE PER FLANGIA 1 SCREW FOR FLANGE	 FLANGIA DI BLOCCAGGIO ESPANSO EXPANDED FLANGED CAP

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included

TIPI DI MACCHINARI / FOR MACHINE

ESSETEAM - UNITEAM - TEKTEAM

CODICE CODE	D mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm
PISO3019	20	58	70	35	47,8
PISO3020	30	58	70	35	47,8
PISO3021	30	58	80	35	47,8
PISO3022	30	58	100	35	47,8
PISO3023	30	58	150	35	47,8
PISO3024	35	58	70	35	47,8
PISO3025	35	58	80	35	47,8
PISO3026	35	58	100	35	47,8
PISO3027	35	58	150	35	47,8

PISO 40

MANDRINI PORTAFRESE ISO-40

Tools'holders ISO-40

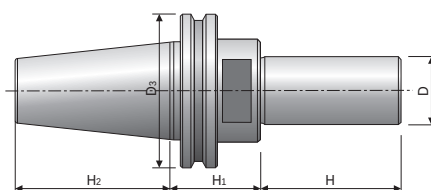
ISO-40 Aufnahme

Portaherramientas ISO-40

TIPI DI MACCHINARI / FOR MACHINE

SCM - IMA - MAKI - WEEKE
STEGHERR - REICHENBACHER

CODICE CODE	D mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm
PISO4001	20	63,55	70	35	68,4
PISO4002	30	63,55	70	35	68,4
PISO4003	30	63,55	80	35	68,4
PISO4004	30	63,55	100	35	68,4
PISO4005	30	63,55	150	35	68,4
PISO4006	35	63,55	70	35	68,4
PISO4007	35	63,55	80	35	68,4
PISO4008	35	63,55	100	35	68,4
PISO4009	35	63,55	150	35	68,4
PISO4010	40	63,55	70	35	68,4
PISO4011	40	63,55	80	35	68,4
PISO4012	40	63,55	100	35	68,4
PISO4013	40	63,55	150	35	68,4



TIPI DI MACCHINARI / FOR MACHINE

ESSETEAM - UNITEAM - TEKTEAM

CODICE CODE	D mm	D ₃ mm	H mm	H ₁ mm	H ₂ mm
PISO4014	20	58	70	35	68,4
PISO4015	30	58	70	35	68,4
PISO4016	30	58	80	35	68,4
PISO4017	30	58	100	35	68,4
PISO4018	30	58	150	35	68,4
PISO4019	35	58	70	35	68,4
PISO4020	35	58	80	35	68,4
PISO4021	35	58	100	35	68,4
PISO4022	35	58	150	35	68,4
PISO4023	40	58	70	35	68,4
PISO4024	40	58	80	35	68,4
PISO4025	40	58	100	35	68,4
PISO4026	40	58	150	35	68,4

RICAMBI ORDINABILI	SPARE PARTS
 TIRANTE / PULL STUD	 FLANGIA DI BLOCCAGGIO RIDOTTO REDUCED FLANGED CAP
 1 VITE PER FLANGIA 1 SCREW FOR FLANGE	 FLANGIA DI BLOCCAGGIO ESPANSO EXPANDED FLANGED CAP

Completo di viti e flangia di bloccaggio ridotto
Screws and reduced flanged cap included

ALB-VH

MANDRINO PORTAFRESE CON SISTEMA VORTEX BLOCCAGGIO HYDRO

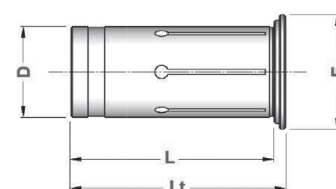
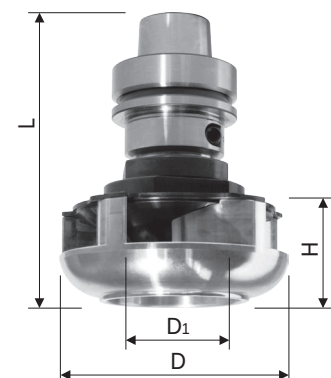
Tools' holder with "VORTEX" system - Hydro locking
 Werkzeughalter mit "VORTEX" System - Hydro Einspannen
 Portaherramienta con sistema "VORTEX" - Bloqueo hydro

CODICE CODE	D mm	D1 mm	H mm	H1 mm	L mm	ATTACCO. SHANK	ROTAZ. ROTAT.
ALB-VH01	112	20	52,5	42	114	HSK63F	R

RIDUZIONI PER MANDRINO

INTERMEDIATE SLEEVES

CODICE CODE	D1 mm	D2 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

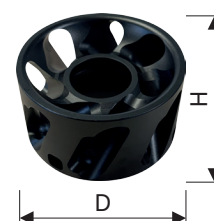


TURBINA

TURBINA CON SISTEMA VORTEX BLOCCAGGIO ER/EOC

Turbine with Vortex system - ER/EOC clamping
 Turbine mit Vortex system - Spannung ER/EOC
 Turbina con sistema Vortex - Bloqueo ER/EOC

CODICE CODE	D mm	H mm	ROTAZ. ROTAT.
ALB-VH0002 ER32	78	39	R
ALB-VH0003 ER40	78	39	R
ALB-VH0004 EOC25	78	39	R

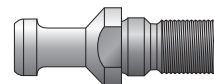


TIRANTI DI AGGANCIO STANDARD

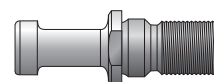
Standard pull stud / Standard Anzugsbolzen / Tirante estandard

TAST01 ISO30 DIN 69872

TIPI DI MACCHINARI / FOR MACHINES:
ELETTROMANDRINI - ELTE - IMA - MAKI - WEEKE - BULLERI
REICHENBACHER - BUSELLATO - ESSETEAM, etc.

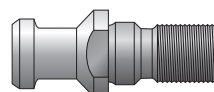


TAST02 ISO30 DIN 7388/2A

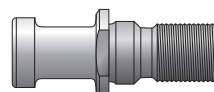


TAST03 ISO40 DIN 69872

TIPI DI MACCHINARI / FOR MACHINES:
IMA - MAKI - REICHENBACHER - ESSETEAM - UNITEAM - TEKTEAM



TAST04 ISO40 DIN 7388/2A

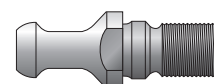


TIRANTI DI AGGANCIO SPECIFICI

Specific pull stud / Sonder Anzugsbolzen / Tirante específico

TASP01

TIPI DI MACCHINARI / FOR MACHINES:
HSD - BIESSE - MASTERWOOD da fine 1999 - COSMEC - etc.



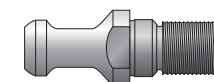
TASP02

TIPI DI MACCHINARI / FOR MACHINES:
SCM - MORBIDELLI



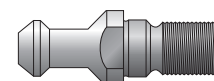
TASP03

TIPI DI MACCHINARI / FOR MACHINES:
CMS



TASP04

TIPI DI MACCHINARI / FOR MACHINES:
GIORDANO COLOMBO - ALBERTI - MASTERWOOD fino al 1999





LAME SHW

SHW
SAW
BLADES

SHW010



LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade

367

SHW020



LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade

368

SHW030



LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade

369

SHW040



LAMA CIRCOLARE AD ALTO RENDIMENTO

High efficiency circular sawblade

370

SHW050



LAMA CIRCOLARE PER TAGLI LONGITUDINALI

Circular sawblade for longitudinal cuts

371

SHW060



LAMA CIRCOLARE PER TAGLI TRASVERSALI

Circular sawblade for transverse cuts

372

SHW070



LAMA CIRCOLARE PER "LAMELLO"

Sawblade for "LAMELLO"

373

SHW080



LAMA CIRCOLARE CON LIMITATORE DI TRUCIOLO

Circular sawblade with chip-limiter

373

SHW090



LAMA CIRCOLARE AD ALTO RENDIMENTO

High efficiency circular sawblade

374

LAME SHW

SHW SAW BLADES

SHW095



LAMA CIRCOLARE AD ALTE PRESTAZIONI

High performance circular sawblade

375

SHW100



LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting covered panels

376

SHW110



LAMA CIRCOLARE CON TAGLIENTI CONCAVI

Circular sawblade with hollow inverted-V tooth

377

SHW120



LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting covered panels

377

SHW125



LAMA CIRCOLARE AD ALTE PRESTAZIONI

High performance circular sawblade

378

SHW130



LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting covered panels

378

SHW140



LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting covered panels

379

SHW150



LAMA CIRCOLARE PER TAGLI DI CORNICI

Circular sawblade for frames

379

SHW160



LAMA CIRCOLARE PER TAGLIO DI MATERIALI PLASTICI

Circular sawblade for cutting plastic material

380

SHW170



LAMA CIRCOLARE UNIVERSALE A SPESSORE SOTTILE

Universal thin circular sawblade

380

SHW180

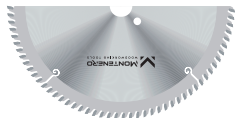


LAMA CIRCOLARE UNIVERSALE A SPESSORE SOTTILE

Universal thin circular sawblade

381

SHW190



LAMA CIRCOLARE A SPESSORE SOTTILE AD ALTO RENDIMENTO

High efficiency thin circular sawblade

381

SHW200



LAMA CIRCOLARE PER TAGLIO TRASVERSALI SENZA SCHEGGIATURE

Circular sawblade for transverse cuts without chipping

382

SHW210



LAMA CIRCOLARE CON RINFORZO A SPESSORE EXTRASOTTILE

Extra thin circular sawblade with reinforced

382

SHW220



LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI

Circular sawblade for longitudinal and transverse cuts

383

SHW230



LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI CON RASANTI

Circular sawblade for longitudinal and transverse cuts with rakers

384

SHW240



LAMA CIRCOLARE CON RASANTI PER MULTILAME

Circular sawblade with spurs for multi rip saw machines

385

SHW250



LAMA CIRCOLARE CON RASANTI PER MULTILAME A SPESSORE SOTTILE

Thin circular sawblade with rakers for multi rip saw machines

386

LAME SHW

SHW SAW BLADES

SHW260



LAMA CIRCOLARE PER MULTILAME

Circular sawblade for multi rip saw machines

387

SHW270



LAMA CIRCOLARE PER SEZIONATRICE A DENTE ALTERNO

Circular sawblade with alternate tooth for sizing machine

395

SHW280



LAMA CIRCOLARE PER SEZIONATRICE A DENTE PIANO-TRAPEZIO

Circular sawblade with trapezoidal-flat tooth for sizing machine

396

SHW290



LAMA INCISORE CONICO PER SEZIONATRICE

Conical scoring sawblade for sizing machine

398

SHW305



LAMA INCISORE REGOLABILE PER SEZIONATRICE CON ANELLI

Adjustable scoring sawblade with distance rings

400

SHW310



LAMA INCISORE PER CENTRI DI LAVORO

Scoring sawblade for machining centers

401

SHW320



LAMA CIRCOLARE PER SCANALATURE

Grooving circular sawblade

402

SHW330



LAMA CIRCOLARE PER TRONCATRICI VELOCI E OTTIMIZZATRICI

Circular sawblade for fast and optimizing cutting-off machines

403

SHW340



LAMA CIRCOLARE CON TAGLIENTI NEGATIVI PER METALLI LEGGERI

Circular sawblade with negative cut for light metals

404

SHW350



LAMA CIRCOLARE CON TAGLIENTI POSITIVI PER METALLI LEGGERI

Circular sawblade with negative cut for light metals

405

SHW360



LAMA CIRCOLARE PER TAGLIO DI PROFILI IN ALLUMINIO SU TROCATRICI AUTOMATICHE SINGOLE O DOPPIE

Circular sawblade for aluminum's cutting on automatic single or double cutting-off machines

406

SHW370



LAMA CIRCOLARE PER TAGLIO E FRESATURA DI ALLUMINIO

Circular sawblade for aluminum's cutting and milling

406

SHW380



LAMA CIRCOLARE PER METALLI FERROSI DRY-CUT

Circular sawblade for dry-cut ferrous metal

407

SHW390

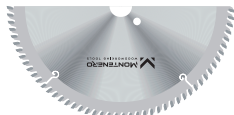


LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade for portable machines

408

SHW400



LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade for portable machines

418

SHW410



SETTORI PER TRUCIOLATORE

Hogger segments

419

SHW420



LAMA CIRCOLARE PER TRUCIOLATORE

Circular sawblade for hogger

420

SHW430



LAMA INCISORE PER SQUADRATICI E BORDATRICE

Scoring sawblade for squaring machine

421

DETERMINAZIONE DELLA VELOCITÀ PERIFERICA (Vp)

HOW TO DETERMINE THE PERIPHERAL CUTTING SPEED (Vp)

D = diametro - diameter

n = numero giri - no. of reps

Vp (m/s) = velocità periferica - peripheral cutting speed

$$V_p = \frac{\pi \times D \times n}{60 \times 1000}$$

n (g/min)	80	100	125	150	180	200	D = (mm)									
	80	100	125	150	180	200	225	250	280	300	350	400	450	500	550	
1000	/	/	/	/	/	10,5	12	13	14,5	16	18,5	21	23,5	26	29	
1500	/	/	10	12	14	15,5	17,5	19,5	22	23,5	27,5	31,5	35,5	39,5	43	
2000	/	10,5	13	15,5	19	21	23,5	26	29,5	31,5	36,5	42	47	52,5	57,5	
2500	10,5	13	16,5	19,5	23,5	26	29,5	32,5	36,5	39	46	52,5	59	65,5	72	
3000	13	15,5	19,5	23,5	28	31,5	35,5	39	44	47	55	63	70,5	78,5	86,5	
3500	15	18,5	23	27,5	33	36,5	41	46	51,5	55	64	73,5	82,5	91,5	/	
4000	17	21	26	31,5	37,5	42	47	52,5	58,5	63	73,5	84	94	/	/	
4500	19	23,5	29,5	35,5	42,5	47	53	59	66	70,5	82,5	94	/	/	/	
5000	21	26	32,5	39	47	52,5	59	65,5	73	78,5	91,5	/	/	/	/	
5500	23	29	36	43	52	57,5	65	72	80,5	86,5	/	/	/	/	/	
6000	25	31,5	39,5	47	56,5	63	70,5	78,5	88	94	/	/	/	/	/	
6500	27	34	42,5	51	61,5	68	76,5	85	95,5	/	/	/	/	/	/	
7000	29,5	36,5	46	55	66	73,5	82,5	91,5	/	/	/	/	/	/	/	
7500	31,5	39,5	49	59	70,5	78,5	88,5	98	/	/	/	/	/	/	/	
8000	33,5	42	52,5	63	75,5	84	94	/	/	/	/	/	/	/	/	
8500	35,5	44,5	55,5	67	80	89	100	/	/	/	/	/	/	/	/	
9000	37,5	47	59	70,5	85	94	/	/	/	/	/	/	/	/	/	
9500	40	50	62	74,5	89,5	99,5	/	/	/	/	/	/	/	/	/	
10000	42	52,5	65,5	78,5	94	/	/	/	/	/	/	/	/	/	/	

MODO D'IMPIEGO DELLE LAME CIRCOLARI

HOW TO USE CIRCULAR SAWBLADES

Per ottenere un buon taglio è necessario che 2 o 3 taglienti lavorino contemporaneamente (Fig. 1).

Se lavora un solo tagliente non si ottiene una buona finitura (Fig. 2). Con l'aumentare di "C", diminuisce la scheggiatura della superficie "A" e aumenta quella della superficie "B".

Quando "C" diminuisce avviene il contrario (Fig. 3).

If you want to obtain a good cutting quality it is necessary to have two or three teeth working at the same time (Fig. 1).

It is impossible to obtain a good cutting quality if only one tooth is working (Fig. 2).

When "C" increases, the chipping of top surface "A" decreases and the chipping of bottom surface "B" increases.

When "C" decreases "B" decreases and "A" increases (Fig. 3).

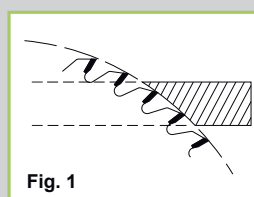


Fig. 1

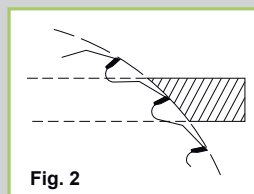


Fig. 2

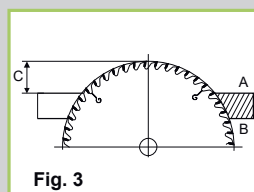


Fig. 3

DETERMINAZIONE DELLA VELOCITÀ DI AVANZAMENTO DEL MATERIALE (Va)

HOW TO DETERMINE THE MATERIAL FEED RATE (Va)

Z = numero dei denti - *number of teeth*

n = numero giri - *no. of reps*

Cz = avanzamento per dente - *feed rate/tooth*

$$Va = \frac{Z \times n \times Cz}{1000}$$

Z										Cz (mm)	
6	12	24	36	48	60	72	80	96	120	FINITURA 0,03 / 0,06	SGROSSATURA 0,1 / 0,2
2000	1000	500	/	/	/	/	/	/	/	0,36 / 0,72	1,2 / 2,4
3000	1500	750	500	/	/	250	/	/	/	0,54 / 1,08	1,8 / 3,6
4000	2000	1000	/	500	/	/	/	/	/	0,72 / 1,44	2,4 / 4,8
5000	2500	1250	/	/	500	/	/	/	/	0,90 / 1,80	3,0 / 6,0
6000	3000	1500	1000	750	/	500	/	/	/	1,08 / 2,16	3,6 / 7,2
7000	3500	1750	/	/	/	/	/	/	/	1,26 / 2,52	4,2 / 8,4
8000	4000	2000	/	1000	800	/	/	500	/	1,44 / 2,88	4,8 / 9,6
9000	4500	2250	/	/	900	/	/	/	/	1,62 / 3,24	5,4 / 11,2
10000	5000	2500	/	1250	1000	/	/	/	/	1,80 / 3,60	6,0 / 12,0
12000	6000	3000	2000	1600	1200	1000	/	/	/	2,16 / 4,32	7,2 / 14,4
16000	8000	4000	/	2000	1600	/	/	1000	800	2,88 / 5,76	9,6 / 19,2
/	9000	4500	3000	2250	1800	1500	1350	/	900	3,24 / 6,48	10,8 / 21,6
/	12000	6000	4000	3000	2400	2000	1800	1500	1200	4,32 / 8,64	14,4 / 28,8
/	/	7500	5000	3750	3000	2500	2250	/	1500	5,40 / 10,8	18,0 / 36,0
/	16000	8000	/	4000	3200	/	2400	2000	1600	5,76 / 11,52	19,2 / 38,4
/	/	9000	6000	/	3600	3000	2700	2250	1800	6,48 / 12,96	21,6 / 48,0
/	/	10000	/	5000	4000	/	3000	2500	2000	7,20 / 14,40	24,0 / 48,0
/	/	12000	8000	6000	4800	4000	3600	3000	2400	8,64 / 17,28	28,8 / 57,6

TABELLA PER DETERMINARE IL NUMERO MASSIMO DI GIRI (RPM)

TABLE TO DETERMINE THE MAX NUMBER OF REPS (RPM)

D (mm)	RPM (g/min)
80	18000
100	15000
125	12000
150	12000
180	10000
200	10000
250	8000
300	6000
350	6000
400	4500
450	4000
500	3500
550	3000
600	2800
650	2500
700	2300
760	2100
800	2000

PER OGNI LAMA CIRCOLARE ED OGNI APPLICAZIONE UNA SPECIFICA SILENZIATURA

FOR EACH CIRCULAR SAWBLADE AND APPLICATION A SPECIFIC NOISELESS

LAME CIRCOLARI ECO-SILENZIATE ECO-SILENT CIRCULAR SAWBLADES

Una serie di intagli con una particolare geometria contribuisce a ridurre il rumore. Su ogni diametro di lama circolare la posizione è diversa in modo da non influenzare la tensionatura; questi intagli laser non riempiti sono il sistema più economico per diminuire il normale rumore durante il taglio.

Particolarmente adatti su lame universali per tagli trasversali e longitudinali.

A series of grooves with a particular geometry help to reduce noise.

On each diameter of circular sawblades the position of the grooves is different, in this way they don't ruin the tensioning.

These laser grooves are the cheapest system to decrease noise during normal cutting.

Particularly suitable for universal sawblades for transverse and longitudinal cutting.



LAME CIRCOLARI SILENZIATE SILENT CIRCULAR SAWBLADES

Uno speciale materiale fonoassorbente viene inserito all'interno di specifici intagli messi in posizioni particolari e diverse, per ogni diametro di lama circolare. I tagli di dimensione non troppo grande e particolare forma, sono stati studiati per lame da sezionatura, dove la robustezza del corpo sottoposto a grandi sforzi non deve essere compromessa. Con questa soluzione assorbiamo il rumore e le vibrazioni e rendiamo unica la qualità di taglio e la durata della lama Silenziata da sezionatura. Un concetto simile ma con geometria diversa per le lame da alluminio: anche qui uno speciale disegno è stato studiato per esaltare al massimo la prestazione di questa tipologia di lama. La speciale resina resistente agli ultrasuoni e alle temperature elevate, quindi anche dopo numerose riaffilature l'efficienza del trattamento è garantita.

Special sound-absorbing material is put in specific laser grooves placed in special positions and different for each diameter of circular sawblade. The size of laser cuts are not too big, and special shape were studied for circular sawblades for panel: the strength of the body subjected to great efforts must not be compromised.

With this solution the noise and vibration are absorbed and obtained cutting quality and the duration of the circular saw blade Silent for panel are unique.

A similar concept but with different geometry for aluminium circular sawblades: a special cut was designed to bring out the best performance of this type of blade. The special resin is resistant to ultrasonic and high temperatures, so even after several regrinding the treatment efficiency is guaranteed.



LAME CIRCOLARI ULTRA-SILENZIATE ULTRA-SILENT CIRCULAR SAWBLADES

Dove è richiesto il massimo abbattimento possibile del rumore, adatta su qualsiasi tipo di lama in particolare per universali su taglio trasverso e lungo vena. La superiorità delle lame silenziate Ultra-Silenziante nasce da una serie di studi e dall'impiego di nuove tecnologie; infatti grazie alla accurata posizione dei tagli silenzianti, alla loro forma, dimensione, numero, ma soprattutto al materiale fono-assorbente inserito, si ottengono degli ottimi risultati. Gli speciali silenzianti permettono di assorbire sia longitudinalmente che trasversalmente le onde sonore che si generano durante il taglio.

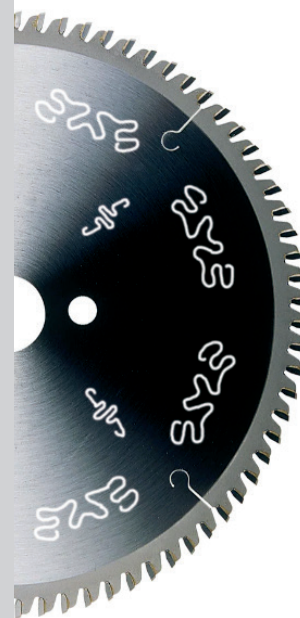
Numerosi sono perciò i vantaggi:

- assenza di vibrazioni
- miglior finitura di taglio
- rumorosità notevolmente ridotta

The superiority of the Ultra-Silent low-noise sawblades results from a series of studies and from the use of new technologies; in fact, thanks to the ingenious position of our silent cuts, to their form, dimension, number and most of all to the noise absorbing material inside, you can obtain very good results. The special silent cuts enable the absorption of the sound-waves that are produced during the cutting both longitudinally and transversally.

Therefore there are many advantages:

- absence of vibration
- better finished cut
- noise level drastically reduced



**LAME CIRCOLARI
ECO-SILENZIATE**



**LAME CIRCOLARI
SILENZIATE**



**LAME CIRCOLARI
ULTRA-SILENZIATE**

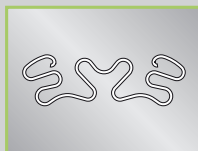
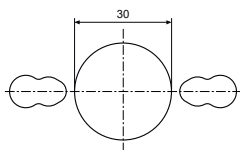


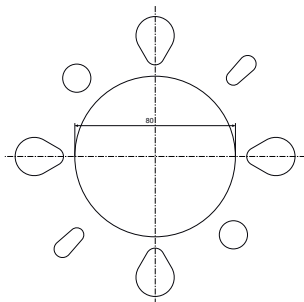
TABELLA FORI DI TRASCINAMENTO

TABLE FOR PIN HOLES

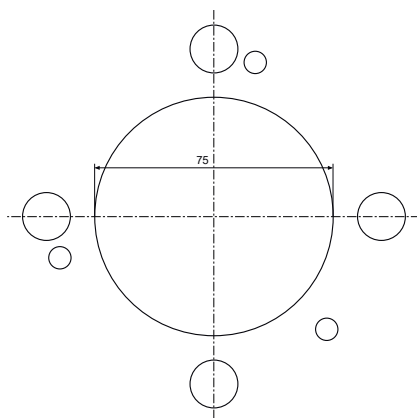
PH2



PH4



PH5



MISURE FORI DI TRASCINAMENTO

PIN HOLES DIMENSION

NOME NOME	DIMENSIONI DIMENSIONS	MACCHINE MACHINES
PH2	2/7/42 + 2/9,5/46,5 + 2/10/60	COMBINAZIONE UNIVERSALE Universal Combination
PH4	2/14/110 + 2/7/110 + 4/9/100 + 4/19/120 + 2/9/130	GABBIANI - SCM - SELCO
PH5	2/15/105 + 3/7/100	GIBEN - HOMAG - MACMAZZA

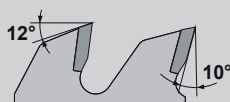
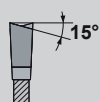
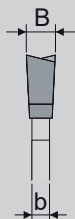
Sono stati indicati i fori presenti nel catalogo con le principali macchine a cui si adattano.
I disegni sono in scala 1:1, per cui in caso di dubbio basta sovrapporre la lama al disegno.

The pin holes you find in the catalogue are shown, fit with the most important machines.
Drawings are 1:1 scale so if in case of doubt just overlap the blade to the drawing.

SHW010

LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade



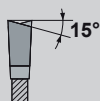
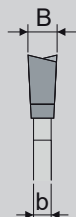
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW010-01	100	3,2	2,2	20	/	20
SHW010-02	120	3,2	2,2	20	/	20
SHW010-03	125	3,2	2,2	20	/	24
SHW010-04	140	3,2	2,2	30	/	24
SHW010-05	150	3,2	2,2	30	/	24
SHW010-06	160	3,2	2,2	30	/	24
SHW010-07	180	3,2	2,2	30	/	30
SHW010-08	200	3,2	2,2	30	/	34
SHW010-09	220	3,2	2,2	30	/	34
SHW010-10	225	3,2	2,2	30	/	36
SHW010-11	250	3,2	2,2	30	PH2	40
SHW010-12	275	3,2	2,2	30	PH2	44
SHW010-13	280	3,2	2,2	30	PH2	48
SHW010-14	300	3,2	2,2	30	PH2	48
SHW010-15	330	3,2	2,2	30	PH2	52
SHW010-16	350	3,5	2,5	30	PH2	54
SHW010-17	400	4,0	2,8	30	PH2	60
SHW010-18	450	4,2	2,8	30	2/10/60	66
SHW010-19	450	4,2	2,8	35	/	66
SHW010-20	450	4,2	2,8	30	2/10/60	72
SHW010-21	450	4,2	2,8	35	/	72
SHW010-22	500	4,2	2,8	30	2/10/60	72
SHW010-23	500	5,2	2,8	35	/	72
SHW010-24	550	5,2	3,6	30	2/10/60	80
SHW010-25	550	5,2	3,6	35	/	80
SHW010-26	600	5,2	3,6	30	2/10/60	80
SHW010-27	600	5,2	3,6	35	/	80



SHW020

LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade



10°



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW020-01	140	3,2	2,2	30	/	32
SHW020-02	150	3,2	2,2	30	/	30
SHW020-03	160	3,2	2,2	30	/	36
SHW020-04	170	3,2	2,2	30	/	36
SHW020-05	180	3,2	2,2	30	/	36
SHW020-06	200	3,2	2,2	30	/	42
SHW020-07	250	3,2	2,2	30	PH2	48
SHW020-08	300	3,2	2,2	30	PH2	60
SHW020-09	350	3,5	2,5	30	PH2	72
SHW020-10	400	4,0	2,8	30	PH2	80
SHW020-11	450	4,2	2,8	30	2/10/60	88
SHW020-12	450	4,2	2,8	35	/	88
SHW020-13	500	4,2	3,0	30	2/10/60	96
SHW020-14	500	4,2	3,0	35	/	96
SHW020-15	550	5,2	3,6	30	2/10/60	96
SHW020-16	550	5,2	3,6	35	/	96
SHW020-17	600	5,2	3,6	30	2/10/60	96
SHW020-18	600	5,2	3,6	35	/	96



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

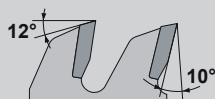
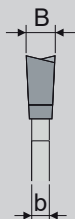


= SILENZIATE
Ultra-Silent

SHW030

LAMA CIRCOLARE UNIVERSALE

Universal circular sawblade



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW030-01	120	3,2	2,2	30	/	30
SHW030-02	125	3,2	2,2	30	/	30
SHW030-03	150	3,2	2,2	30	/	36
SHW030-04	180	3,2	2,2	30	/	48
SHW030-05	200	3,2	2,2	30	/	48
SHW030-06	220	3,2	2,2	30	/	48
SHW030-07	250	3,2	2,2	30	PH2	60
SHW030-08	275	3,2	2,2	30	PH2	68
SHW030-09	300	3,2	2,2	30	PH2	72
SHW030-10	330	3,2	2,2	30	PH2	72
SHW030-11	350	3,5	2,5	30	PH2	84
SHW030-12	400	4,0	2,8	30	PH2	96
SHW030-13	450	4,2	2,8	30	2/10/60	108
SHW030-14	450	4,2	2,8	35	/	108
SHW030-15	500	4,2	3,0	30	2/10/60	120
SHW030-16	500	4,2	3,0	35	/	120



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

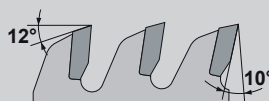
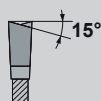
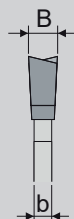


= SILENZIATE
Ultra-Silent

SHW040

LAMA CIRCOLARE AD ALTO RENDIMENTO

High efficiency circular sawblade



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW040-01	100	3,2	2,2	30	/	30
SHW040-02	120	3,2	2,2	30	/	36
SHW040-03	125	3,2	2,2	30	/	40
SHW040-04	150	3,2	2,2	30	/	48
SHW040-05	160	3,2	2,2	30	/	48
SHW040-06	180	3,2	2,2	30	/	56
SHW040-07	200	3,2	2,2	30	/	64
SHW040-08	220	3,2	2,2	30	PH2	64
SHW040-09	225	3,2	2,2	30	/	72
SHW040-10	250	3,2	2,2	30	PH2	80
SHW040-11	275	3,2	2,2	30	PH2	88
SHW040-12	300	3,2	2,2	30	PH2	96
SHW040-13	320	3,2	2,2	30	PH2	96
SHW040-14	330	3,2	2,2	20	/	96
SHW040-15	330	3,2	2,2	30	PH2	96
SHW040-16	350	3,5	2,5	30	PH2	108
SHW040-17	400	4,0	2,8	30	PH2	120
SHW040-18	450	4,2	3,0	30	2/10/60	132
SHW040-19	450	4,2	3,0	35	/	132
SHW040-20	500	4,2	3,0	30	2/10/60	144
SHW040-21	500	4,2	3,0	35	/	144



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

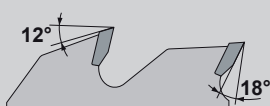
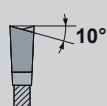
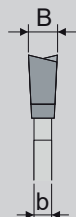


= SILENZIATE
Ultra-Silent

SHW050

LAMA CIRCOLARE PER TAGLI LONGITUDINALI

Circular sawblade for longitudinal cuts



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW050-01	200	3,2	2,2	30	/	16
SHW050-02	250	3,2	2,2	30	PH2	20
SHW050-03	275	3,2	2,2	30	PH2	20
SHW050-04	300	3,2	2,2	30	PH2	24
SHW050-05	350	3,5	2,5	30	PH2	28
SHW050-06	400	4,0	2,8	30	PH2	32
SHW050-07	450	4,2	2,8	30	2/10/60	36
SHW050-08	450	4,2	2,8	35	/	36
SHW050-09	500	4,2	2,8	30	2/10/60	40
SHW050-10	500	4,2	2,8	35	/	40
SHW050-11	550	5,2	3,6	30	2/10/60	44
SHW050-12	550	5,2	3,6	35	/	44
SHW050-13	600	5,2	3,6	30	2/10/60	48
SHW050-14	600	5,2	3,6	35	/	48



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

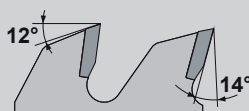
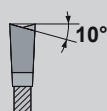
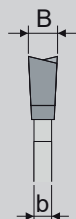


= SILENZIATE
Ultra-Silent

SHW060

LAMA CIRCOLARE PER TAGLI TRASVERSALI

Circular sawblade for transverse cuts



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW060-01	150	3,2	2,2	30	/	18
SHW060-02	180	3,2	2,2	30	/	24
SHW060-03	200	3,2	2,2	30	/	24
SHW060-04	210	3,2	2,2	30	/	24
SHW060-05	220	3,2	2,2	30	/	24
SHW060-06	250	3,2	2,2	30	PH2	30
SHW060-07	275	3,2	2,2	30	PH2	32
SHW060-08	300	3,2	2,2	30	PH2	36
SHW060-09	330	3,2	2,2	30	PH2	40
SHW060-10	350	3,5	2,5	30	PH2	42
SHW060-11	400	4,0	2,8	30	PH2	48
SHW060-12	450	4,2	2,8	30	2/10/60	54
SHW060-13	450	4,2	2,8	35	/	54
SHW060-14	500	4,2	2,8	30	2/10/60	60
SHW060-15	500	4,2	2,8	35	/	60
SHW060-16	550	5,2	3,6	30	2/10/60	60
SHW060-17	550	5,2	3,6	35	/	60
SHW060-18	600	5,2	3,6	30	2/10/60	60
SHW060-19	600	5,2	3,6	35	/	60



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

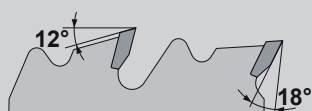
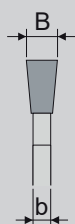


= SILENZIATE
Ultra-Silent

SHW070

LAMA CIRCOLARE PER "LAMELLO"

Sawblade for "LAMELLO"

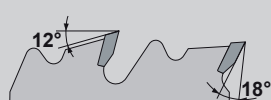
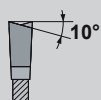
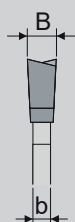


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW070-01	100	3,96	3,0	22	/	12 LT

SHW080

LAMA CIRCOLARE CON LIMITATORE DI TRUCIOLO

Circular sawblade with chip-limiter



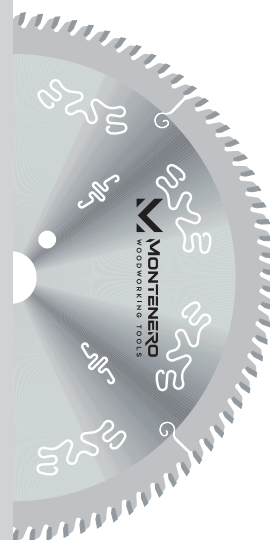
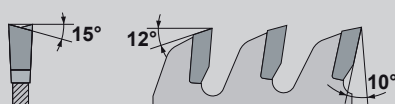
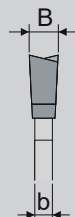
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW080-01	250	3,2	2,2	30	PH2	24 LT
SHW080-02	300	3,2	2,2	30	PH2	28 LT
SHW080-03	350	3,5	2,5	30	PH2	32 LT
SHW080-04	400	4,0	2,8	30	PH2	36 LT
SHW080-05	450	4,2	2,8	30	2/10/60	40 LT
SHW080-06	450	4,2	2,8	35	/	40 LT
SHW080-07	500	4,2	2,8	30	2/10/60	44 LT
SHW080-08	500	4,2	2,8	35	/	44 LT
SHW080-09	550	5,2	3,6	30	2/10/60	48 LT
SHW080-10	550	5,2	3,6	35	/	48 LT
SHW080-11	600	5,2	3,6	30	2/10/60	48 LT
SHW080-12	600	5,2	3,6	35	/	48 LT



SHW090

LAMA CIRCOLARE AD ALTO RENDIMENTO

High efficiency circular sawblade



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	
SHW090-01	250	3,2	2,2	30	PH2	40	
SHW090-02	250	3,2	2,2	30	PH2	60	
SHW090-03	250	3,2	2,2	30	PH2	80	
SHW090-04	300	3,2	2,2	30	PH2	48	
SHW090-05	300	3,2	2,2	30	PH2	60	
SHW090-06	300	3,2	2,2	30	PH2	72	
SHW090-07	300	3,2	2,2	30	PH2	96	
SHW090-08	350	3,5	2,5	30	PH2	54	
SHW090-09	350	3,5	2,5	30	PH2	72	
SHW090-10	350	3,5	2,5	30	PH2	84	
SHW090-11	350	3,5	2,5	30	PH2	108	
SHW090-12	400	4,0	2,8	30	PH2	60	
SHW090-13	400	4,0	2,8	30	PH2	80	
SHW090-14	400	4,0	2,8	30	PH2	96	
SHW090-15	400	4,0	2,8	30	PH2	120	



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

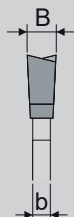


= SILENZIATE
Ultra-Silent

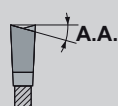
SHW095

LAMA CIRCOLARE AD ALTE PRESTAZIONI

High performance circular sawblade



CROMATE



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	A.T.	A.A.
SHW095-01	250	3,2	2,2	30	PH2	40	15°	10°
SHW095-02	250	3,2	2,2	30	PH2	60	10°	15°
SHW095-03	250	3,2	2,2	30	PH2	80	5°	15°
SHW095-04	300	3,2	2,2	30	PH2	48	15°	10°
SHW095-05	300	3,2	2,2	30	PH2	72	10°	15°
SHW095-06	300	3,2	2,2	30	PH2	96	5°	15°
SHW095-07	350	3,5	2,5	30	PH2	54	15°	10°
SHW095-08	350	3,5	2,5	30	PH2	84	10°	15°
SHW095-09	350	3,5	2,5	30	PH2	108	5°	15°



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

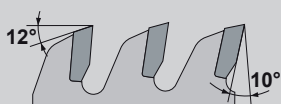
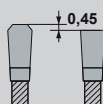
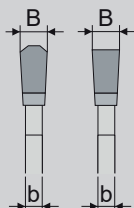


= SILENZIATE
Ultra-Silent

SHW100

LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting
covered panels



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW100-01	200	3,2	2,2	30	/	64
SHW100-02	220	3,2	2,2	30	PH2	64
SHW100-03	250	3,2	2,2	30	PH2	60
SHW100-04	250	3,2	2,2	30	PH2	80
SHW100-05	300	3,2	2,2	30	PH2	72
SHW100-06	300	3,2	2,2	30	PH2	96
SHW100-07	320	3,2	2,2	30	PH2	72
SHW100-08	320	3,2	2,2	30	PH2	96
SHW100-09	350	3,5	2,5	30	PH2	84
SHW100-10	350	3,5	2,5	30	PH2	108
SHW100-11	400	4,0	2,8	30	PH2	120
SHW100-12	450	4,2	3,0	30	2/10/60	132
SHW100-13	450	4,2	3,0	35	/	132
SHW100-14	500	4,2	3,0	30	2/10/60	144
SHW100-15	500	4,2	3,0	35	/	144



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

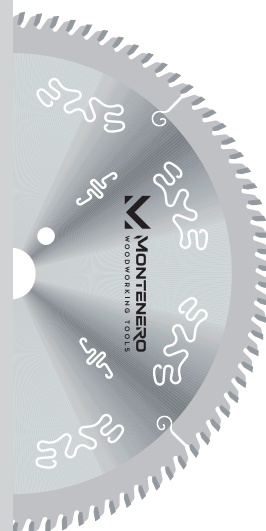
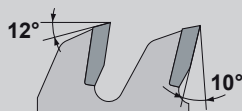
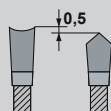
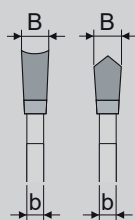


= SILENZIATE
Ultra-Silent

SHW110

LAMA CIRCOLARE CON TAGLIANTI CONCAVI

Circular sawblade with hollow
inverted-V tooth

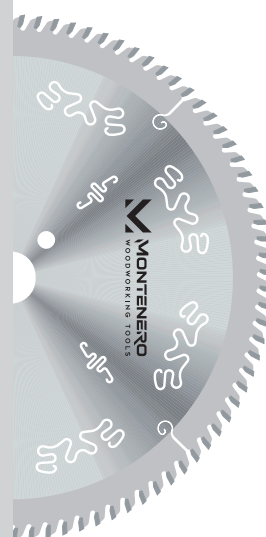
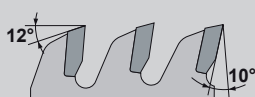
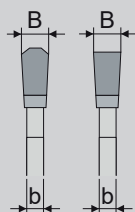


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW110-01	220	3,2	2,2	30	PH2	42
SHW110-02	250	3,2	2,2	30	PH2	48
SHW110-03	300	3,2	2,2	30	PH2	60
SHW110-04	303	3,2	2,2	30	PH2	60
SHW110-05	350	3,2	2,2	30	PH2	72

SHW120

LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting
covered panels



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW120-01	250	3,2	2,2	30	PH2	60
SHW120-02	250	3,2	2,2	30	PH2	80
SHW120-03	300	3,2	2,2	30	PH2	72
SHW120-04	300	3,2	2,2	30	PH2	96
SHW120-05	350	3,5	2,5	30	PH2	84
SHW120-06	350	3,5	2,5	30	PH2	108

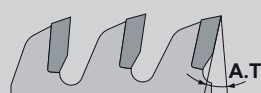
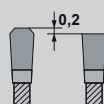


SHW125

LAMA CIRCOLARE AD ALTE PRESTAZIONI

High performance circular sawblade

CROMATE



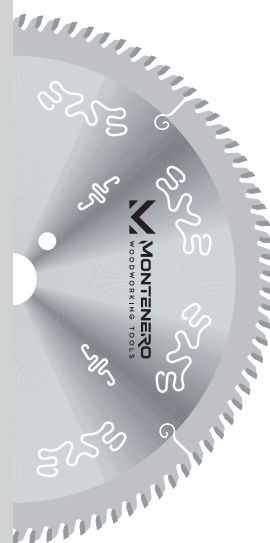
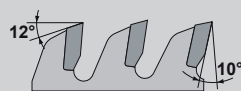
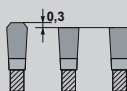
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	AT
SHW125-01	250	3,2	2,2	30	PH2	80	5°
SHW125-02	300	3,2	2,2	30	PH2	96	5°
SHW125-03	350	3,5	2,5	30	PH2	108	5°



SHW130

LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting covered panels



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW130-01	250	3,2	2,2	30	PH2	78
SHW130-02	300	3,2	2,2	30	PH2	96
SHW130-03	350	3,5	2,5	30	PH2	108



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

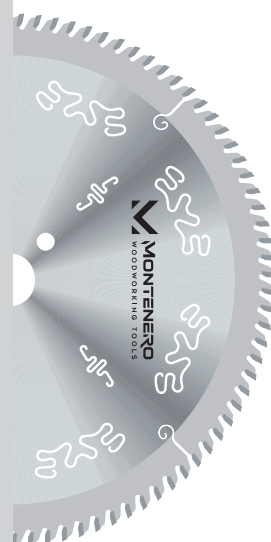
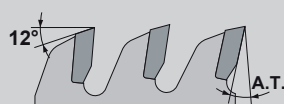
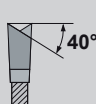
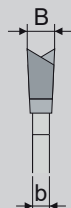


= SILENZIATE
Ultra-Silent

SHW140

LAMA CIRCOLARE PER PANNELLI RIVESTITI

Circular sawblade for cutting
covered panels



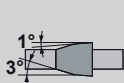
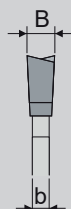
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	AT
SHW140-01	250	3,2	2,2	30	PH2	80	-2°
SHW140-02	300	3,2	2,2	30	PH2	96	2°
SHW140-03	350	3,5	2,5	30	PH2	108	5°



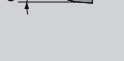
SHW150

LAMA CIRCOLARE PER TAGLI DI CORNICI

Circular sawblade for frames



RIVESTITE



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW150-01	200	3,0	2,5	30	/	64
SHW150-02	250	3,0	2,5	30	PH2	60
SHW150-03	250	3,0	2,5	30	PH2	80
SHW150-04	300	3,0	2,5	30	PH2	72
SHW150-05	300	3,0	2,5	30	PH2	96
SHW150-06	350	3,2	2,5	30	PH2	84
SHW150-07	350	3,2	2,5	30	PH2	108

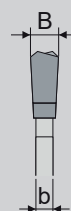
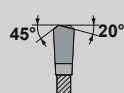


SHW160

LAMA CIRCOLARE PER TAGLIO DI MATERIALI PLASTICI

Circular sawblade for cutting plastic material

RIVESTITE



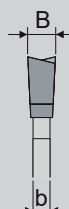
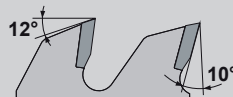
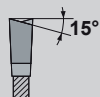
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW160-01	200	3,0	2,5	30	/	64
SHW160-02	200	3,0	2,5	35	/	64
SHW160-03	250	3,0	2,5	30	PH2	80
SHW160-04	300	3,0	2,5	30	PH2	96
SHW160-05	350	3,2	2,5	30	PH2	108



SHW170

LAMA CIRCOLARE UNIVERSALE A SPESSORE SOTTILE

Universal thin circular sawblade

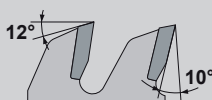
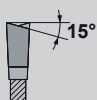
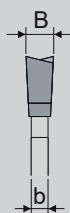


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW170-01	150	2,5	1,8	30	/	24
SHW170-02	180	2,5	1,8	30	/	30
SHW170-03	200	2,5	1,8	30	/	34
SHW170-04	250	2,5	1,8	30	PH2	40
SHW170-05	300	2,5	1,8	30	PH2	48
SHW170-06	350	2,8	2,0	30	PH2	54
SHW170-07	400	3,6	2,5	30	PH2	60

SHW180

LAMA CIRCOLARE UNIVERSALE A SPESSORE SOTTILE

Universal thin circular sawblade

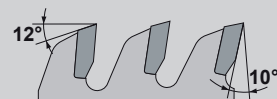
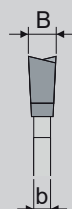


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW180-01	150	2,5	1,8	30	/	36
SHW180-02	180	2,5	1,8	30	/	48
SHW180-03	200	2,5	1,8	30	/	48
SHW180-04	250	2,5	1,8	30	PH2	60
SHW180-05	300	2,5	1,8	30	PH2	72
SHW180-06	350	2,8	2,0	30	PH2	84
SHW180-07	400	3,6	2,5	30	PH2	96

SHW190

LAMA CIRCOLARE A SPESSORE SOTTILE AD ALTO RENDIMENTO

High efficiency thin circular sawblade

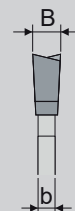


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW190-01	150	2,5	1,8	30	/	48
SHW190-02	200	2,5	1,8	30	/	64
SHW190-03	250	2,5	1,8	30	PH2	80
SHW190-04	300	2,5	1,8	30	PH2	96
SHW190-05	350	2,8	2,0	30	PH2	108
SHW190-06	400	3,6	2,5	30	PH2	120

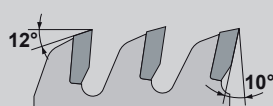
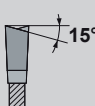
SHW200

LAMA CIRCOLARE PER TAGLIO TRASVERSALI SENZA SCHEGGIATURE

Circular sawblade for transverse
cuts without chipping



RIVESTITE

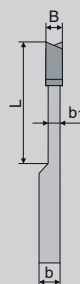


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW200-01	200	2,5	1,8	30	/	80
SHW200-02	250	2,5	1,8	30	PH2	100
SHW200-03	300	2,5	1,8	30	PH2	120

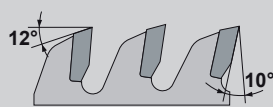
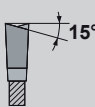
SHW210

LAMA CIRCOLARE CON RINFORZO A SPESSORE EXTRASOTTILE

Extra thin circular sawblade
with reinforced



RIVESTITE

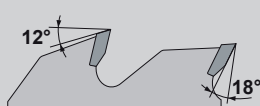
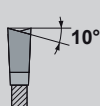
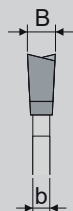


CODICE CODE	D mm	B mm	b/b1 mm	d mm	FORATURA PIN HOLES	Lu mm	Z
SHW210-01	125	1,5	2,2/1,0	30	/	22	40
SHW210-02	150	1,5	2,2/1,0	30	/	25	48
SHW210-03	180	1,5	2,2/1,0	30	/	27	56
SHW210-04	200	1,6	2,2/1,1	30	/	28	64
SHW210-05	250	1,6	2,2/1,1	30	PH2	35	80
SHW210-06	300	1,7	2,2/1,2	30	PH2	40	96

SHW220

LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI

Circular sawblade for longitudinal
and transverse cuts



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW220-01	720	6,0	4,4	30	2/10/60 + 2/8,5/90	72
SHW220-02	735	6,0	4,4	30	2/10/60 + 2/8,5/90	48+LT
SHW220-03	735	6,0	4,4	30	2/10/60 + 2/8,5/90	72
SHW220-04	750	6,0	4,4	30	2/10/60 + 2/8,5/90	60
SHW220-05	750	7,0	5,0	30	2/10/60 + 2/8,5/90	60
SHW220-06	760	6,0	4,4	30	2/10/60 + 4/8,5/90	72
SHW220-07	800	6,0	4,4	30	2/10/60 + 4/8,5/90	72
SHW220-08	800	6,5	4,4	30	2/10/60 + 4/8,5/90	72
SHW220-09	800	7,0	5,0	30	2/10/60 + 4/8,5/90	72
SHW220-10	800	7,0	5,0	40	/	84
SHW220-11	800	7,0	5,0	30	2/10/60 + 4/8,5/90	96



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

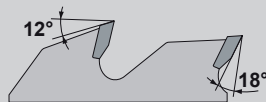
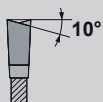
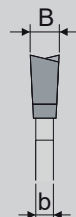


= SILENZIATE
Ultra-Silent

SHW230

LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI CON RASANTI

Circular sawblade for longitudinal
and transverse cuts with rakers



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW230-01	735	6,0	4,4	30	2/10/60 + 2/8,5/90	48+6
SHW230-02	735	6,0	4,4	30	2/10/60 + 2/8,5/90	72+6
SHW230-03	750	6,0	4,4	30	2/10/60 + 2/8,5/90	48+6
SHW230-04	760	6,0	4,4	30	2/10/60 + 8/8,5/90	72+6
SHW230-05	800	6,0	4,4	30	2/10/60 + 8/8,5/90	72+6



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

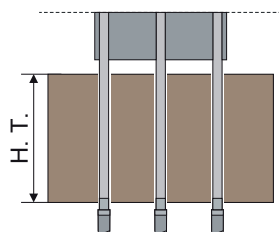
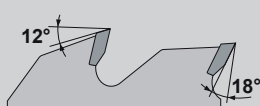
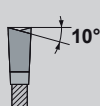
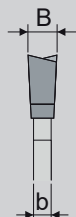


= SILENZIATE
Ultra-Silent

SHW240

LAMA CIRCOLARE CON RASANTI PER MULTILAME

Circular sawblade with spurs
for multi rip saw machines

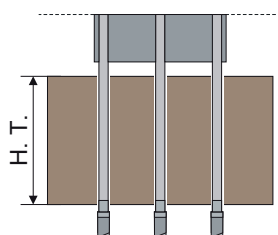
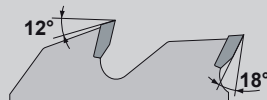
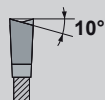
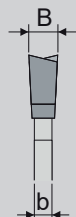


CODICE CODE	D mm	B mm	b mm	d mm	CHIAVETTE DKN	H.T. mm	Z
SHW240-01	250	3,2	2,2	30	/	65	20+2+2
SHW240-02	250	3,2	2,2	60	21×75	65	20+2+2
SHW240-03	250	3,2	2,2	70	21×84	65	20+2+2
SHW240-04	250	3,2	2,2	80	13×90	65	20+2+2
SHW240-05	280	3,2	2,2	70	21×84	70	24+2+2
SHW240-06	280	3,2	2,2	80	13×90	70	24+2+2
SHW240-07	300	3,2	2,2	30	/	80	24+2+2
SHW240-08	300	3,2	2,2	60	21×74	80	24+2+2
SHW240-09	300	3,2	2,2	70	21×84	80	24+2+2
SHW240-10	300	3,2	2,2	75	21×91	80	24+2+2
SHW240-11	300	3,2	2,2	80	13×90	80	24+2+2
SHW240-12	320	3,2	2,2	80	13×90	90	24+2+2
SHW240-13	350	3,5	2,5	30	/	105	24+2+4
SHW240-14	350	3,5	2,5	60	21×74	105	24+2+4
SHW240-15	350	3,5	2,5	70	21×84	105	24+2+4
SHW240-16	350	3,5	2,5	80	14×92	105	24+2+4
SHW240-17	350	3,5	2,5	90	21×110	95	24+2+4
SHW240-18	400	4,0	2,8	30	/	120	28+2+4
SHW240-19	400	4,0	2,8	70	21×84	120	28+2+4
SHW240-20	400	4,0	2,8	80	14×925	120	28+2+4
SHW240-21	400	4,0	2,8	90	21×110	120	28+2+4
SHW240-22	450	4,6	3,2	30	/	135	24+2+4
SHW240-23	450	4,6	3,2	70	21×81	135	24+2+4
SHW240-24	450	4,6	3,2	75	21×91	135	24+2+4
SHW240-25	450	4,6	3,2	80	13×92	135	24+4+4
SHW240-26	450	4,6	3,2	90	21×110	135	24+2+4
SHW240-27	500	4,6	3,2	30	/	175	26+2+6

SHW250

LAMA CIRCOLARE CON RASANTI PER MULTILAME A SPESSORE SOTTILE

Thin circular sawblade with rakers
for multi rip saw machines



CODICE CODE	D mm	B mm	b mm	d mm	CHIAVETTE DKN	H.T. mm	Z
SHW250-01	180	2,5	1,8	35	/	30	21+3
SHW250-02	180	2,5	1,8	40	/	30	21+3
SHW250-03	200	2,5	1,8	35	/	35	21+3
SHW250-04	200	2,5	1,8	40	/	35	21+3
SHW250-05	250	2,7	1,8	60	21×74	50	20+2+2
SHW250-06	250	2,7	1,8	70	21×84	50	20+2+2
SHW250-07	250	2,7	1,8	80	13×90	50	20+2+2
SHW250-08	300	2,7	1,8	60	21×74	60	24+2+2
SHW250-09	300	2,7	1,8	70	21×84	60	24+2+2
SHW250-10	300	2,7	1,8	80	13×90	60	24+2+2



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

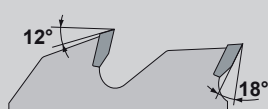
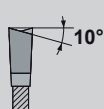
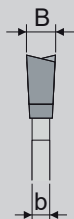


= SILENZIATE
Ultra-Silent

SHW260

LAMA CIRCOLARE PER MULTILAME

Circular sawblade for multi
rip saw machines



CODICE CODE	D mm	B mm	b mm	d mm	CHIAVETTE DKN	Z
SHW260-01	250	3,2	2,2	70	21×81	20
SHW260-02	250	3,2	2,2	80	13×90	20
SHW260-03	300	3,2	2,2	60	21×74	24
SHW260-04	300	3,2	2,2	70	21×84	24
SHW260-05	300	3,2	2,2	80	13×90	24
SHW260-06	350	3,5	2,5	70	21×84	28
SHW260-07	350	3,5	2,5	80	14×92	28



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent



= SILENZIATE
Ultra-Silent

ANTHON

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-44	400×4,4/3,2×60 Z=72	TP	2/11/85
SHW280-53	430×4,4/3,2×60 Z=72	TP	2/11/85
SHW280-61	450×4,4/3,2×60 Z=72	TP	2/11/85 + 2/14/125
SHW280-82	530×5,8/4,0×60 Z=60	TP	2/11/85
SHW280-101	730×6,2/4,4×80 Z=60	TP	2/17/110

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-32	180×4,3/5,5×20 Z=36		
SHW290-39	180×5,8/7,0×20 Z=36		
SHW290-40	180×6,2/7,2×20 Z=36		

GABBIANI

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-04	300×4,4/3,2×80 Z=60	TP	PH4
SHW280-07	300×4,4/3,2×80 Z=72	TP	PH4
SHW280-10	320×4,4/3,2×80 Z=60	TP	PH4
SHW280-18	350×4,4/3,2×80 Z=54	TP	PH4
SHW280-24	350×4,4/3,2×80 Z=72	TP	PH4
SHW280-25	350×4,6/3,2×80 Z=72	TP	PH4
SHW280-29	355×4,4/3,2×80 Z=72	TP	PH4
SHW280-36	380×4,4/3,2×80 Z=72	TP	PH4
SHW280-42	400×4,4/3,2×80 Z=60	TP	PH4
SHW280-46	400×4,4/3,2×80 Z=72	TP	PH4
SHW280-48	400×4,6/3,2×80 Z=72	TP	PH4
SHW280-50	420×4,4/3,2×80 Z=72	TP	PH4
SHW280-63	450×4,4/3,2×80 Z=72	TP	PH4
SHW270-07	350×4,4/3,2×80 Z=54	A	PH4
SHW270-10	350×4,4/3,2×80 Z=72	A	PH4
SHW270-12	400×4,4/3,2×80 Z=36	A	PH4
SHW270-14	400×4,4/3,2×80 Z=48	A	PH4
SHW270-17	400×4,4/3,2×80 Z=60	A	PH4
SHW270-20	400×4,4/3,2×80 Z=72	A	PH4
SHW270-22	400×4,6/3,2×80 Z=60	A	PH4
SHW270-23	450×4,4/3,2×80 Z=36	A	PH4
SHW270-25	450×4,4/3,2×80 Z=54	A	PH4

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-24	150×4,3/5,5×55 Z=36	/	3/7/66
SHW290-28	160×4,3/5,5×55 Z=36	/	3/7/66
SHW290-30	160×4,5/5,7×55 Z=36	/	3/7/66
SHW290-31	160×4,7/6,0×55 Z=36	/	3/7/66
SHW290-35	180×4,3/5,5×55 Z=36	/	3/7/66
SHW290-48	200×4,3/5,5×80 Z=36	/	2/14/110

GIBEN

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-08	320×4,4/3,2×50 Z=60	TP	6/12,5/80 + 2/12,5/80
SHW280-11	320×4,4/3,2×50 Z=72	TP	6/12,5/80 + 2/12,5/80
SHW280-14	330×4,4/3,2×50 Z=60	TP	6/12,5/80 + 2/12,5/80
SHW280-20	350×4,4/3,2×50 Z=72	TP	6/12,5/80 + 2/12,5/80
SHW280-30	360×4,4/3,2×50 Z=72	TP	6/12,5/80 + 2/12,5/80
SHW280-33	380×4,4/3,2×50 Z=72	TP	6/12,5/80 + 2/12,5/80
SHW280-04	320×4,4/3,2×50 Z=36	A	6/12,5/80 + 2/12,5/80
SHW280-12	320×4,4/3,2×75 Z=72	TP	3/13/95
SHW280-17	350×4,4/3,2×75 Z=54	TP	PH5
SHW280-23	350×4,4/3,2×75 Z=72	TP	PH5
SHW280-28	355×4,4/3,2×75 Z=72	TP	PH5
SHW280-35	380×4,4/3,2×75 Z=72	TP	PH5
SHW280-41	400×4,4/3,2×75 Z=60	TP	4/15/105
SHW280-45	400×4,4/3,2×75 Z=72	TP	4/15/105
SHW280-55	430×4,4/3,2×75 Z=72	TP	4/15/105
SHW280-57	430×4,4/3,2×75 Z=96	TP	4/15/105
SHW280-69	470×4,4/3,2×75 Z=72	TP	4/15/105
SHW280-70	470×4,4/3,2×75 Z=96	TP	4/15/105
SHW280-06	350×4,4/3,2×75 Z=54	A	PH5
SHW280-09	350×4,4/3,2×75 Z=72	A	PH5
SHW280-16	400×4,4/3,2×75 Z=60	A	4/15/105
SHW280-19	400×4,4/3,2×75 Z=72	A	4/15/105
SHW280-21	400×4,6/3,2×75 Z=60	A	4/15/105
SHW280-86	550×5,2/3,5×100 Z=72	TP	/
SHW280-87	565×5,2/3,5×100 Z=72	TP	/

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-13	125×4,3/5,5×45 Z=24	/	/
SHW290-18	150×4,3/5,5×45 Z=36	/	3/11/70
SHW290-27	160×4,3/5,5×45 Z=36	/	3/11/70
SHW290-29	160×4,5/5,7×45 Z=36	/	3/11/70
SHW290-42	180×4,3/5,5×50 Z=44	/	3/12,5/80
SHW290-37	180×4,7/6,0×50 Z=36	/	3/12,5/80
SHW290-38	180×5,0/6,2×55 Z=36	/	/
SHW290-43	190×4,0/5,1×50 Z=36	/	2/7/80
SHW290-57	215×4,3/5,5×50 Z=42	/	3/15/80
SHW290-58	215×4,5/5,7×50 Z=42	/	3/15/80
SHW290-62	300×4,3/5,5×50 Z=48	/	3/15/80
SHW290-64	300×4,5/5,7×50 Z=48	/	3/15/80

HOLZMA

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-21	350×4,4/3,2×60 Z=72	TP	2/14/100
SHW280-34	380×4,4/3,2×60 Z=72	TP	2/14/100
SHW280-37	380×4,8/3,5×60 Z=72	TP	2/14/100
SHW280-38	380×4,8/3,5×60 Z=84	TP	2/14/100
SHW280-49	400×4,8/3,5×60 Z=72	TP	2/14/100+2/14/125
SHW280-51	420×4,8/3,5×60 Z=72	TP	2/14/125
SHW280-61	450×4,4/3,2×60 Z=72	TP	2/11/85 + 2/14/125
SHW280-65	450×4,8/3,5×60 Z=72	TP	2/14/125
SHW280-76	500×4,8/3,5×60 Z=60	TP	2/11/115
SHW280-77	500×4,8/3,5×60 Z=72	TP	2/11/115
SHW280-72	480×4,8/3,5×60 Z=72	TP	2/11/115 + 2/19/120
SHW280-78	520×4,8/3,5×60 Z=60	TP	2/11/115 + 2/19/120
SHW280-83	540×4,8/3,5×60 Z=84	TP	2/11/115 + 2/19/120
SHW280-84	540×5,8/4,0×60 Z=60	TP	2/11/115 + 2/19/120
SHW280-88	570×4,8/3,5×60 Z=60	TP	2/11/115 + 2/19/120
SHW280-89	570×5,8/4,0×60 Z=96	TP	2/11/115 + 2/19/120
SHW280-90	600×5,8/4,0×60 Z=60	TP	2/11/115 + 2/19/120
SHW280-91	600×5,8/4,0×60 Z=72	TP	2/11/115 + 2/19/120
SHW280-95	670×5,8/4,0×60 Z=60	TP	2/19/120 + 2/11/148
SHW280-96	670×5,8/4,0×60 Z=72	TP	2/19/120 + 2/11/148
SHW280-99	730×6,2/4,4×60 Z=60	TP	2/19/120 + 2/11/148
SHW280-100	730×6,2/4,4×60 Z=72	TP	2/19/120 + 2/11/148

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-34	180×4,3/5,5×45 Z=36	/	/
SHW290-36	180×4,7/6,0×45 Z=36	/	/
SHW290-46	200×4,3/5,5×45 Z=36	/	/
SHW290-50	200×4,7/6,0×45 Z=36	/	/
SHW290-54	200×5,8/7,0×45 Z=36	/	/
SHW290-56	200×6,2/7,2×45 Z=36	/	/

MACMAZZA

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-17	350×4,4/3,2×75 Z=54	TP	3/7/100
SHW280-23	350×4,4/3,2×75 Z=72	TP	3/7/100
SHW280-28	355×4,4/3,2×75 Z=72	TP	3/7/100
SHW280-35	380×4,4/3,2×75 Z=72	TP	3/7/100
SHW270-06	350×4,4/3,2×75 Z=54	A	3/7/100
SHW270-09	350×4,4/3,2×75 Z=72	A	3/7/100
SHW280-62	450×4,4/3,2×75 Z=72	TP	3/7/120

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-28	160×4,3/5,5×55 Z=36	/	3/6/84
SHW290-60	280×4,3/5,5×55 Z=48	/	3/6/84
SHW290-61	280×4,5/5,6×55 Z=48	/	3/6/84

MAYER

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-01	300×4,4/3,2×30 Z=60	TP	PH2
SHW280-05	300×4,4/3,2×30 Z=72	TP	PH2
SHW280-16	350×4,4/3,2×30 Z=54	TP	PH2
SHW280-19	350×4,4/3,2×30 Z=72	TP	PH2
SHW280-40	400×4,4/3,2×30 Z=60	TP	2/10/60
SHW280-43	400×4,4/3,2×30 Z=72	TP	2/10/60
SHW270-01	300×4,4/3,2×30 Z=48	A	PH2
SHW270-02	300×4,4/3,2×30 Z=60	A	PH2
SHW270-03	300×4,4/3,2×30 Z=72	A	PH2
SHW270-05	350×4,4/3,2×30 Z=54	A	PH2
SHW270-08	350×4,4/3,2×30 Z=72	A	PH2
SHW270-15	400×4,4/3,2×30 Z=60	A	2/10/60
SHW270-18	400×4,4/3,2×30 Z=72	A	2/10/60

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-13	125×4,3/5,5×45 Z=24	/	/
SHW290-22	150×4,3/5,5×30 Z=36	/	/

HOMAG

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-03	300×4,4/3,2×75 Z=60	TP	/
SHW280-17	350×4,4/3,2×75 Z=54	TP	/
SHW280-23	350×4,4/3,2×75 Z=72	TP	/
SHW280-28	355×4,4/3,2×75 Z=72	TP	/
SHW280-41	400×4,4/3,2×75 Z=60	TP	/
SHW280-45	400×4,4/3,2×75 Z=72	TP	/
SHW270-06	350×4,4/3,2×75 Z=54	A	/
SHW270-09	350×4,4/3,2×75 Z=72	A	/
SHW270-16	400×4,4/3,2×75 Z=60	A	/
SHW270-19	400×4,4/3,2×75 Z=72	A	/
SHW270-21	400×4,6/3,2×75 Z=60	A	/

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-23	150×4,3/5,5×45 Z=36	/	/
SHW290-13	125×4,3/5,5×45 Z=24	/	/
SHW290-34	180×4,3/5,5×45 Z=36	/	/
SHW290-46	200×4,3/5,5×45 Z=36	/	/

PANHANS

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-01	300×4,4/3,2×30 Z=60	TP	PH2
SHW280-05	300×4,4/3,2×30 Z=72	TP	PH2
SHW280-16	350×4,4/3,2×30 Z=54	TP	PH2
SHW280-19	350×4,4/3,2×30 Z=72	TP	PH2
SHW280-40	400×4,4/3,2×30 Z=60	TP	PH2
SHW280-43	400×4,4/3,2×30 Z=72	TP	PH2
SHW280-60	450×4,4/3,2×30 Z=72	TP	2/10/60
SHW270-01	300×4,4/3,2×30 Z=48	A	PH2
SHW270-02	300×4,4/3,2×30 Z=60	A	PH2
SHW270-03	300×4,4/3,2×30 Z=72	A	PH2
SHW270-05	350×4,4/3,2×30 Z=54	A	PH2
SHW270-08	350×4,4/3,2×30 Z=72	A	PH2
SHW270-15	400×4,4/3,2×30 Z=60	A	2/10/60
SHW270-18	400×4,4/3,2×30 Z=72	A	2/10/60
SHW270-24	450×4,4/3,2×30 Z=54	A	2/10/60
SHW270-26	450×4,4/3,2×30 Z=72	A	2/10/60

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-11	125×4,3/5,5×20 Z=24	/	/
SHW290-33	180×4,3/5,5×30 Z=36	/	/
SHW290-45	200×4,3/5,5×30 Z=36	/	/

SCM

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-04	300×4,4/3,2×80 Z=60	TP	PH4
SHW280-07	300×4,4/3,2×80 Z=72	TP	PH4
SHW280-18	350×4,4/3,2×80 Z=54	TP	PH4
SHW280-24	350×4,4/3,2×80 Z=72	TP	PH4
SHW280-25	350×4,6/3,2×80 Z=72	TP	PH4
SHW280-29	355×4,4/3,2×80 Z=72	TP	PH4
SHW280-36	380×4,4/3,2×80 Z=72	TP	PH4
SHW280-42	400×4,4/3,2×80 Z=60	TP	PH4
SHW280-46	400×4,4/3,2×80 Z=72	TP	PH4
SHW280-48	400×4,6/3,2×80 Z=72	TP	PH4
SHW270-07	350×4,4/3,2×80 Z=54	A	PH4
SHW270-10	350×4,4/3,2×80 Z=72	A	PH4
SHW270-12	400×4,4/3,2×80 Z=36	A	PH4
SHW270-14	400×4,4/3,2×80 Z=48	A	PH4
SHW270-17	400×4,4/3,2×80 Z=60	A	PH4
SHW270-20	400×4,4/3,2×80 Z=72	A	PH4
SHW270-22	400×4,6/3,2×80 Z=60	A	PH4
SHW270-23	450×4,4/3,2×80 Z=36	A	PH4
SHW270-25	450×4,4/3,2×80 Z=54	A	PH4

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-24	150×4,3/5,5×55 Z=36	/	3/7/66
SHW290-28	160×4,3/5,5×55 Z=36	/	3/7/66
SHW290-30	160×4,5/5,7×55 Z=36	/	3/7/66
SHW290-48	200×4,3/5,5×80 Z=36	/	2/14/110

SCELLING

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-16	350×4,4/3,2×30 Z=54	TP	PH2
SHW280-19	350×4,4/3,2×30 Z=72	TP	PH2
SHW280-32	370×4,4/3,2×30 Z=72	TP	2/10/60
SHW280-40	400×4,4/3,2×30 Z=60	TP	PH2
SHW280-43	400×4,4/3,2×30 Z=72	TP	PH2
SHW270-05	350×4,4/3,2×30 Z=54	A	PH2
SHW270-08	350×4,4/3,2×30 Z=72	A	PH2
SHW270-15	400×4,4/3,2×30 Z=60	A	2/10/60
SHW270-18	400×4,4/3,2×30 Z=72	A	2/10/60
SHW280-60	450×4,4/3,2×30 Z=72	TP	2/13/94
SHW280-67	460×4,4/3,2×30 Z=72	TP	2/13/94
SHW280-71	480×4,4/3,2×30 Z=72	TP	2/13/94
SHW280-75	500×4,6/3,2×30 Z=72	TP	2/13/94
SHW280-79	520×4,8/3,5×30 Z=72	TP	2/13/94
SHW280-81	530×5,0/3,5×30 Z=60	TP	2/13/94
SHW270-24	450×4,4/3,2×30 Z=54	A	2/13/94
SHW270-26	450×4,4/3,2×30 Z=72	A	2/13/94
SHW270-28	500×4,6/3,2×30 Z=72	A	2/13/94
SHW280-85	550×5,2/3,5×40 Z=60	TP	2/13/122
SHW280-92	620×6,2/4,0×40 Z=60	TP	2/13/94 + 2/17/140
SHW280-93	650×6,2/4,0×40 Z=60	TP	2/13/94 + 2/17/140
SHW280-94	650×6,2/4,0×40 Z=60	TP	2/13/94 + 2/17/140
SHW280-97	680×6,2/4,0×40 Z=60	TP	2/13/94 + 2/17/140
SHW280-98	720×6,2/4,4×40 Z=60	TP	

INCISORE /Scorer

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-32	180×4,3/5,5×20 Z=36	/	/
SHW290-41	180×6,8/7,8×20 Z=36	/	/
SHW290-44	200×4,3/5,5×20 Z=36	/	/
SHW290-52	200×5,0/6,2×20 Z=36	/	/
SHW290-55	200×6,2/7,2×20 Z=36	/	/

SELCO

LAMA /Saw Blade

CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW280-02	300x4,4/3,2x65 Z=60	TP	2/9/100 + 2/9/110
SHW280-06	300x4,4/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-09	320x4,4/3,2x65 Z=60	TP	2/9/100 + 2/9/110
SHW280-13	320x4,6/3,2x65 Z=60	TP	2/9/100 + 2/9/110
SHW280-22	350x4,4/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-27	355x4,4/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-31	360x4,6/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-54	430x4,4/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-47	400x4,6/3,2x65 Z=72	TP	2/9/100 + 2/9/110
SHW280-59	430x4,8/3,5x70 Z=72	TP	PH4
SHW280-68	470x4,4/3,2x70 Z=72	TP	PH4
SHW280-80	520x4,8/3,5x70 Z=72	TP	PH4
SHW280-18	350x4,4/3,2x80 Z=54	TP	PH4
SHW280-24	350x4,4/3,2x80 Z=72	TP	PH4
SHW280-25	350x4,6/3,2x80 Z=72	TP	PH4
SHW280-29	355x4,4/3,2x80 Z=72	TP	PH4
SHW280-42	400x4,4/3,2x80 Z=60	TP	PH4
SHW280-46	400x4,4/3,2x80 Z=72	TP	PH4
SHW280-48	400x4,6/3,2x80 Z=72	TP	PH4
SHW280-56	430x4,4/3,2x80 Z=72	TP	PH4
SHW280-63	450x4,4/3,2x80 Z=72	TP	PH4
SHW280-64	450x4,6/3,2x80 Z=72	TP	PH4
SHW280-66	450x4,8/3,5x80 Z=72	TP	PH4
SHW280-73	480x4,8/3,5x80 Z=72	TP	4/19/120 + 2/9/130
SHW280-74	480x5,2/3,5x80 Z=72	TP	4/19/120 + 2/9/130
SHW270-07	350x4,4/3,2x80 Z=54	A	PH4
SHW270-10	350x4,4/3,2x80 Z=72	A	PH4
SHW270-12	400x4,4/3,2x80 Z=36	A	PH4
SHW270-14	400x4,4/3,2x80 Z=48	A	PH4
SHW270-17	400x4,4/3,2x80 Z=60	A	PH4
SHW270-20	400x4,4/3,2x80 Z=72	A	PH4
SHW270-22	400x4,6/3,2x80 Z=60	A	PH4
SHW270-23	450x4,4/3,2x80 Z=36	A	PH4
SHW270-25	450x4,4/3,2x80 Z=54	A	PH4
SHW270-27	450x4,8/3,5x80 Z=48	A	PH4

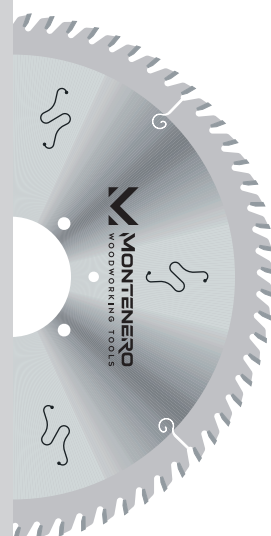
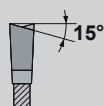
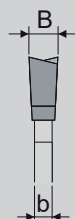
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CODICE CODE	DIMENSIONI DIMENSION	DENTE TEETH	FORATURA PIN HOLES
SHW290-47	200x4,3/5,5x65 Z=36	/	2/9/100 + 2/9/110
SHW290-49	200x4,5/5,7x65 Z=36	/	2/9/100 + 2/9/110
SHW290-51	200x4,7/6,0x65 Z=36	/	2/9/100 + 2/9/110
SHW290-53	200x5,0/6,2x65 Z=36	/	2/9/100 + 2/9/110
SHW290-63	300x4,3/5,5x65 Z=72	/	2/9/100 + 2/9/110
SHW290-65	300x4,5/5,7x65 Z=72	/	2/9/100 + 2/9/110
SHW290-66	300x4,7/6,0x65 Z=72	/	2/9/100 + 2/9/110

SHW270

LAMA CIRCOLARE PER SEZIONATRICE A DENTE ALTERNO

Circular sawblade with alternate
tooth for sizing machine



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW270-01	300	4,4	3,2	30	PH2	48
SHW270-02	300	4,4	3,2	30	PH2	60
SHW270-03	300	4,4	3,2	30	PH2	72
SHW270-04	320	4,4	3,2	50	GIBEN	36
SHW270-05	350	4,4	3,2	30	PH2	54
SHW270-06	350	4,4	3,2	75	PH5	54
SHW270-07	350	4,4	3,2	80	PH4	54
SHW270-08	350	4,4	3,2	30	PH2	72
SHW270-09	350	4,4	3,2	75	PH5	72
SHW270-10	350	4,4	3,2	80	PH4	72
SHW270-11	400	4,4	3,2	30	2/10/60	36
SHW270-12	400	4,4	3,2	80	PH4	36
SHW270-13	400	4,4	3,2	30	2/10/60	48
SHW270-14	400	4,4	3,2	80	PH4	48
SHW270-15	400	4,4	3,2	30	2/10/60	60
SHW270-16	400	4,4	3,2	75	GIBEN /HOMAG	60
SHW270-17	400	4,4	3,2	80	PH4	60
SHW270-18	400	4,4	3,2	30	2/10/60	72
SHW270-19	400	4,4	3,2	75	GIBEN /HOMAG	72
SHW270-20	400	4,4	3,2	80	PH4	72
SHW270-21	400	4,6	3,2	75	GIBEN /HOMAG	60
SHW270-22	400	4,6	3,2	80	PH4	60
SHW270-23	450	4,4	3,2	80	PH4	36
SHW270-24	450	4,4	3,2	30	2/10/60 + SCHELLING	54
SHW270-25	450	4,4	3,2	80	PH4	54
SHW270-26	450	4,4	3,2	30	2/10/60 + SCHELLING	72
SHW270-27	450	4,8	3,5	80	PH4	48
SHW270-28	500	4,6	3,2	30	2/10/60 + SCHELLING	72



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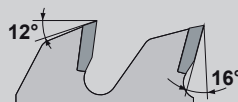
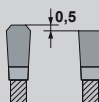
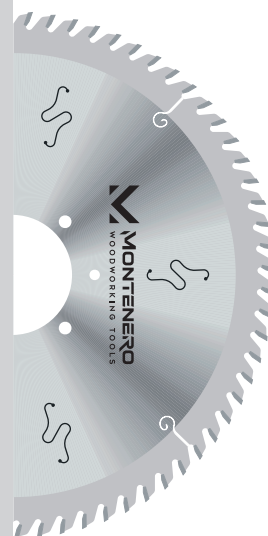
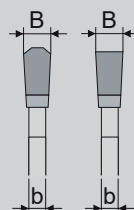


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SHW280

LAMA CIRCOLARE PER SEZIONATRICE A DENTE PIANO-TRAPEZIO

Circular sawblade with trapezoidal-flat tooth for sizing machine



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW280-01	300	4,4	3,2	30	PH2	60
SHW280-02	300	4,4	3,2	65	SELCO	60
SHW280-03	300	4,4	3,2	75	HOMAG /MACMAZZA	60
SHW280-04	300	4,4	3,2	80	GABBIANI	60
SHW280-05	300	4,4	3,2	30	PH2	72
SHW280-06	300	4,4	3,2	65	SELCO	72
SHW280-07	300	4,4	3,2	80	GABBIANI	72
SHW280-08	320	4,4	3,2	50	GIBEN	60
SHW280-09	320	4,4	3,2	65	SELCO	60
SHW280-10	320	4,4	3,2	80	PH4	60
SHW280-11	320	4,4	3,2	50	GIBEN	72
SHW280-12	320	4,4	3,2	75	GIBEN /MACMAZZA	72
SHW280-13	320	4,6	3,2	65	SELCO	60
SHW280-14	330	4,4	3,2	50	GIBEN	60
SHW280-15	350	4,25	3,2	30	PH2	72
SHW280-16	350	4,4	3,2	30	PH2	54
SHW280-17	350	4,4	3,2	75	PH5	54
SHW280-18	350	4,4	3,2	80	PH4	54
SHW280-19	350	4,4	3,2	30	PH2	72
SHW280-20	350	4,4	3,2	50	GIBEN	72
SHW280-21	350	4,4	3,2	60	HOLZMA	72
SHW280-22	350	4,4	3,2	65	SELCO	72
SHW280-23	350	4,4	3,2	75	PH5	72
SHW280-24	350	4,4	3,2	80	PH4	72
SHW280-25	350	4,6	3,2	80	PH4	72
SHW280-26	355	4,4	3,2	30	PH2	72
SHW280-27	355	4,4	3,2	65	SELCO	72
SHW280-28	355	4,4	3,2	75	PH5	72
SHW280-29	355	4,4	3,2	80	PH4	72
SHW280-30	360	4,4	3,2	50	GIBEN	72
SHW280-31	360	4,6	3,2	65	SELCO	72
SHW280-32	370	4,4	3,2	30	SCHELLING	72
SHW280-33	380	4,4	3,2	50	GIBEN	72
SHW280-34	380	4,4	3,2	60	HOLZMA	72
SHW280-35	380	4,4	3,2	75	PH5	72
SHW280-36	380	4,4	3,2	80	PH4	72
SHW280-37	380	4,8	3,5	60	HOLZMA	72
SHW280-38	380	4,8	3,5	60	HOLZMA	84
SHW280-39	400	4,25	3,2	30	2/10/60	72
SHW280-40	400	4,4	3,2	30	2/10/60	60
SHW280-41	400	4,4	3,2	75	GIBEN /HOMAG	60

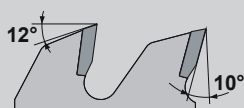
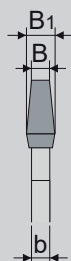
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW280-42	400	4,4	3,2	80	PH4	60
SHW280-43	400	4,4	3,2	30	2/10/60	72
SHW280-44	400	4,4	3,2	60	ANTHON	72
SHW280-45	400	4,4	3,2	75	GIBEN /HOMAG	72
SHW280-46	400	4,4	3,2	80	PH4	72
SHW280-47	400	4,4	3,2	65	SELCO	72
SHW280-48	400	4,6	3,2	80	PH4	72
SHW280-49	400	4,8	3,5	60	HOLZMA	72
SHW280-50	420	4,4	3,2	80	PH4	72
SHW280-51	420	4,8	3,5	60	HOLZMA	72
SHW280-52	430	4,4	3,2	30	2/10/60	72
SHW280-53	430	4,4	3,2	60	ANTHON	72
SHW280-54	430	4,4	3,2	65	SELCO	72
SHW280-55	430	4,4	3,2	75	GIBEN	72
SHW280-56	430	4,4	3,2	80	PH4	72
SHW280-57	430	4,4	3,2	75	GIBEN	96
SHW280-58	430	4,6	3,2	80	PH4	72
SHW280-59	430	4,8	3,5	70	SELCO	72
SHW280-60	450	4,4	3,2	30	SCHELLING	72
SHW280-61	450	4,4	3,5	60	ANTHON /HOLZMA	72
SHW280-62	450	4,4	3,2	75	MACMAZZA	72
SHW280-63	450	4,4	3,2	80	PH4	72
SHW280-64	450	4,6	3,2	80	PH4	72
SHW280-65	450	4,8	3,5	60	HOLZMA	72
SHW280-66	450	4,8	3,5	80	PH4	72
SHW280-67	460	4,4	3,2	30	SCHELLING	72
SHW280-68	470	4,4	3,2	70	SELCO	72
SHW280-69	470	4,4	3,2	75	GIBEN	72
SHW280-70	470	4,4	3,2	75	GIBEN	96
SHW280-71	480	4,4	3,2	30	SCHELLING	72
SHW280-72	480	4,8	3,5	60	HOLZMA	72
SHW280-73	480	4,8	3,5	80	SELCO	72
SHW280-74	480	5,2	3,5	80	SELCO	72
SHW280-75	500	4,6	3,2	30	SCHELLING	72
SHW280-76	500	4,8	3,5	60	HOLZMA	60
SHW280-77	500	4,8	3,5	60	HOLZMA	72
SHW280-78	520	4,8	3,5	60	HOLZMA	60
SHW280-79	520	4,8	3,5	30	SCHELLING	72
SHW280-80	520	4,8	3,5	70	SELCO	72
SHW280-81	530	5,0	3,5	30	SCHELLING	60
SHW280-82	530	5,8	4,0	60	ANTHON	60
SHW280-83	540	4,8	3,5	60	HOLZMA	84
SHW280-84	540	5,8	4,0	60	HOLZMA	60
SHW280-85	550	5,2	3,5	40	SCHELLING	60
SHW280-86	550	5,2	3,5	100	GIBEN	72
SHW280-87	565	5,2	3,5	100	GIBEN	72
SHW280-88	570	4,8	3,5	60	HOLZMA	60
SHW280-89	570	5,8	4,0	60	HOLZMA	96
SHW280-90	600	5,8	4,0	60	HOLZMA	60
SHW280-91	600	5,8	4,0	60	HOLZMA	72
SHW280-92	620	6,2	4,0	40	SCHELLING	60
SHW280-93	650	6,2	4,0	40	SCHELLING	60
SHW280-94	650	6,2	4,0	40	SCHELLING	72
SHW280-95	670	5,8	4,0	60	HOLZMA	60
SHW280-96	670	5,8	4,0	60	HOLZMA	72
SHW280-97	680	6,2	4,0	40	SCHELLING	60
SHW280-98	720	6,2	4,4	40	SCHELLING	60
SHW280-99	730	6,2	4,4	60	HOLZMA	60
SHW280-100	730	6,2	4,4	60	HOLZMA	72
SHW280-101	730	6,2	4,4	80	ANTHON	60



SHW290

LAMA INCISORE CONICO PER SEZIONATRICE

Conical scoring sawblade
for sizing machine



CODICE CODE	D mm	B/B1 mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW290-01	80	3,1/4,0	2,2	20	/	12
SHW290-02	90	3,0/4,1	2,2	30	/	12
SHW290-03	100	3,1/4,3	2,2	20	/	20
SHW290-04	110	3,1/4,3	2,2	20	/	20
SHW290-05	120	3,1/4,3	2,2	20	/	20
SHW290-06	120	3,1/4,3	2,2	22	/	20
SHW290-07	120	3,4/4,5	2,2	20	/	20
SHW290-08	125	3,1/4,3	2,2	20	/	24
SHW290-09	125	3,1/4,3	2,2	20	/	24
SHW290-10	125	3,4/4,5	2,2	20	/	24
SHW290-11	125	4,3/5,5	3,2	20	/	24
SHW290-12	125	4,3/5,5	3,2	22	/	24
SHW290-13	125	4,3/5,5	3,2	45	/	24
SHW290-14	140	3,1/4,3	2,2	20	/	24
SHW290-15	140	4,3/5,5	3,2	45	1/8/58	24
SHW290-16	150	4,3/5,5	3,2	20	/	24
SHW290-17	150	4,3/5,5	3,2	30	/	24
SHW290-18	150	4,3/5,5	3,2	45	/	24
SHW290-19	150	3,1/4,3	2,2	30	/	36
SHW290-20	150	3,4/4,5	2,2	30	/	36
SHW290-21	150	3,9/5,1	2,8	30	/	36
SHW290-22	150	4,3/5,5	3,2	30	/	36
SHW290-23	150	4,3/5,5	3,2	45	GIBEN	36
SHW290-24	150	4,3/5,5	3,2	55	GABBIANI	36
SHW290-25	160	4,3/5,5	3,2	20	/	36
SHW290-26	160	4,3/5,5	3,2	30	/	36
SHW290-27	160	4,3/5,5	3,2	45	GIBEN	36
SHW290-28	160	4,3/5,5	3,2	55	GABBIANI/MACMAZZA	36
SHW290-29	160	4,5/5,7	3,2	45	GEBEN	36
SHW290-30	160	4,5/5,7	3,2	55	GABBIANI	36
SHW290-31	160	4,7/6,0	3,5	55	GABBIANI	36
SHW290-32	180	4,3/5,5	3,2	20	/	36
SHW290-33	180	4,3/5,5	3,2	30	2/10/60	36

CODICE CODE	D mm	B/B1 mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW290-34	180	4,3/5,5	3,2	45	HOLZMA	36
SHW290-35	180	4,3/5,5	3,2	55	GABBIANI	36
SHW290-36	180	4,7/6,0	3,5	45	HOLZMA	36
SHW290-37	180	4,7/6,0	3,5	50	GIBEN	36
SHW290-38	180	5,0/6,2	3,5	55	GIBEN	36
SHW290-39	180	5,8/7,0	4,0	20	ANTHON	36
SHW290-40	180	6,2/7,2	4,0	20	ANTHON	36
SHW290-41	180	6,8/7,8	5,0	20	SHELLING	36
SHW290-42	180	4,3/5,5	3,2	50	GIBEN	44
SHW290-43	190	4,0/5,1	2,8	50	GIBEN	36
SHW290-44	200	4,3/5,5	3,2	20	/	36
SHW290-45	200	4,3/5,5	3,2	30	2/10/60	36
SHW290-46	200	4,3/5,5	3,2	45	HOLZMA	36
SHW290-47	200	4,3/5,5	3,2	65	SELCO	36
SHW290-48	200	4,3/5,5	3,2	80	GABBIANI	36
SHW290-49	200	4,5/5,7	3,2	65	SELCO	36
SHW290-50	200	4,7/6,0	3,5	45	HOLZMA	36
SHW290-51	200	4,7/6,0	3,5	65	SELCO	36
SHW290-52	200	5,0/6,2	3,5	20	SHELLING	36
SHW290-53	200	5,0/6,2	3,5	65	SELCO	36
SHW290-54	200	5,8/7,0	4,0	45	HOLZMA	36
SHW290-55	200	6,2/7,2	4,0	20	SHELLING	36
SHW290-56	200	6,2/7,2	4,4	45	HOLZMA	36
SHW290-57	215	4,3/5,5	3,2	50	GIBEN	42
SHW290-58	215	4,5/5,7	3,2	50	GIBEN	42
SHW290-59	250	4,5/5,7	3,2	30	/	60
SHW290-60	280	4,3/5,5	3,2	55	MACMAZZA	48
SHW290-61	280	4,5/5,6	3,2	55	MACMAZZA	48
SHW290-62	300	4,3/5,5	3,2	50	GIBEN	48
SHW290-63	300	4,3/5,5	3,2	65	SELCO	72
SHW290-64	300	4,5/5,7	3,2	50	GIBEN	48
SHW290-65	300	4,5/5,7	3,2	65	SELCO	72
SHW290-66	300	4,7/6,0	3,5	65	SELCO	72

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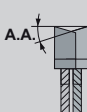
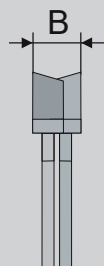


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Ultra-Silent

SHW305

LAMA INCISORE REGOLABILE PER SEZIONATRICE CON ANELLI

Adjustable scoring sawblade with distance rings



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	A.T.	A.A.
SHW305-01	100	2,8-3,6	/	20	2/4,2/42	12+12	11°	5°
SHW305-02	120	2,8-3,6	/	20	2/4,2/42	12+12	11°	5°
SHW305-03	120	2,8-3,6	/	22	2/4,2/42	12+12	11°	5°
SHW305-04	125	2,8-3,6	/	20	2/4,2/42	12+12	11°	5°



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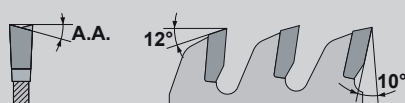
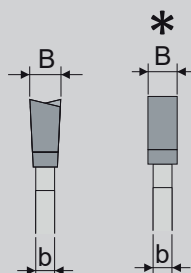


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Ultra-Silent

SHW310

LAMA INCISORE PER CENTRI DI LAVORO

Scoring sawblade
for machining centers



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	A.A.
SHW310-01	120	4,0	2,8	35+4+2	BIESSE	30	5°
SHW310-02	120	3,6	2,8	40+8	HOMAG	36	10°
SHW310-03	125	3,2	2,2	30+8	HOMAG	36	10°
SHW310-04	125	4,0	3,0	30+4	HOMAG	24	*
SHW310-05	140	4,0	2,8	35+4	BIESSE	30	*
SHW310-06	150	4,0	3,0	35+2	BIESSE	30	5°
SHW310-07	170	3,2	2,2	30+4	HOMAG	48	10°
SHW310-08	180	3,2	2,2	30+4	HOMAG	54	10°
SHW310-09	180	4,0	3,0	35+2	BIESSE	42	5°
SHW310-10	180	4,0	2,8	35+6	BIESSE	42	10°
SHW310-11	215	4,0	2,8	35+6	BIESSE	50	10°
SHW310-12	240	3,2	2,2	40+8	HOMAG	34	10°
SHW310-13	240	3,2	2,2	40+8	HOMAG	54	10°
SHW310-14	270	3,2	2,4	35+6	BIESSE	48	10°
SHW310-15	300	3,2	2,2	50+7	BIESSE	24	10°
SHW310-16	350	3,5	2,5	50+7	BIESSE	28	10°



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

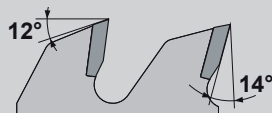
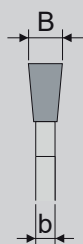


= SILENZIATE
Ultra-Silent

SHW320

LAMA CIRCOLARE PER SCANALATURE

Grooving circular sawblade



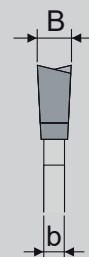
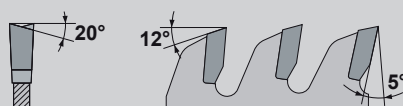
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW320-01	125	1,5	1,1	30	/	12
SHW320-02	125	1,8	1,3	30	/	12
SHW320-03	125	2,0	1,4	30	/	12
SHW320-04	125	2,5	1,6	30	/	12
SHW320-05	125	3,0	2,0	30	/	12
SHW320-06	125	3,5	2,5	30	/	12
SHW320-07	125	4,0	2,8	30	/	12
SHW320-08	125	4,5	3,2	30	/	12
SHW320-09	125	5,0	4,0	30	/	12
SHW320-10	125	6,0	4,0	30	/	12
SHW320-11	125	7,0	6,0	30	/	12
SHW320-12	125	8,0	6,0	30	/	12
SHW320-13	125	9,0	6,0	30	/	12
SHW320-14	125	10,0	6,0	30	/	12
SHW320-15	150	1,50	1,1	30	/	18
SHW320-16	150	1,8	1,3	30	/	18
SHW320-17	150	2,0	1,4	30	/	18
SHW320-18	150	2,5	1,6	30	/	18
SHW320-19	150	3,0	2,0	30	/	18
SHW320-20	150	3,5	2,5	30	/	18
SHW320-21	150	4,0	2,8	30	/	18
SHW320-22	150	5,0	4,0	30	/	18
SHW320-23	150	6,0	4,0	30	/	18
SHW320-24	150	7,0	6,0	30	/	18
SHW320-25	150	8,0	6,0	30	/	18
SHW320-26	150	9,0	6,0	30	/	18
SHW320-27	150	10,0	6,0	30	/	18
SHW320-28	180	2,0	1,4	30	/	24
SHW320-29	180	2,5	1,6	30	/	24
SHW320-30	180	3,0	2,0	30	/	24
SHW320-31	180	3,5	2,5	30	/	24
SHW320-32	180	4,0	2,8	30	/	24
SHW320-33	180	5,0	4,0	30	/	24
SHW320-34	180	6,0	4,0	30	/	24
SHW320-35	180	7,0	6,0	30	/	24
SHW320-36	180	8,0	6,0	30	/	24
SHW320-37	180	9,0	6,0	30	/	24
SHW320-38	180	10,0	6,0	30	/	24
SHW320-39	180	2,00	1,4	35	/	24

CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW320-40	180	2,5	1,6	35	/	24
SHW320-41	180	3,0	2,0	35	/	24
SHW320-42	180	3,5	2,5	35	/	24
SHW320-43	180	4,0	2,8	35	/	24
SHW320-44	180	5,0	4,0	35	/	24
SHW320-45	180	6,0	4,0	35	/	24
SHW320-46	180	7,0	6,0	35	/	24
SHW320-47	180	8,0	6,0	35	/	24
SHW320-48	180	9,0	6,0	35	/	24
SHW320-49	180	10,0	6,0	35	/	24
SHW320-50	200	3,0	2,0	30	/	32
SHW320-51	200	4,0	2,8	30	/	32
SHW320-52	200	5,0	4,0	30	/	32
SHW320-53	200	6,0	4,0	30	/	32
SHW320-54	250	3,0	2,0	30	/	40
SHW320-55	250	4,0	2,8	30	/	40
SHW320-56	250	5,0	4,0	30	/	40
SHW320-57	250	6,0	4,0	30	/	40
SHW320-58	300	3,0	2,0	30	2/10/60	48
SHW320-59	300	4,0	2,8	30	2/10/60	48
SHW320-60	300	5,0	4,0	30	2/10/60	48
SHW320-61	300	6,0	4,0	30	2/10/60	48

SHW330

LAMA CIRCOLARE PER TRONCATRICI VELOCI E OTTIMIZZATRICI

Circular sawblade for fast and optimizing
cutting-off machines



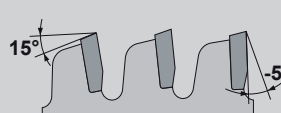
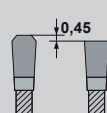
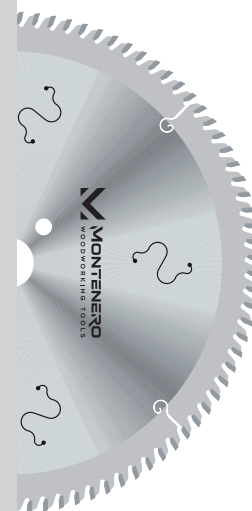
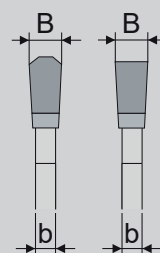
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW330-01	400	4,6	3,5	30	2/10/60	120
SHW330-02	450	4,6	3,5	30	2/10/60 + 2/15/63	132
SHW330-03	500	4,6	3,5	30	2/10/60 + 2/15/63	144
SHW330-04	520	4,6	3,5	30	2/10/60 + 2/15/63	144
SHW330-05	550	4,6	3,5	120	2/10,2/240	156
SHW330-06	600	5,4	4,0	30	2/10/60 + 2/15/63	172
SHW330-07	630	5,4	4,0	30	2/10/60 + 2/15/63	180



SHW340

LAMA CIRCOLARE CON TAGLIENTI NEGATIVI PER METALLI LEGGERI

Circular sawblade with negative
cut for light metals



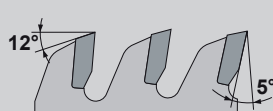
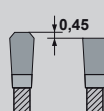
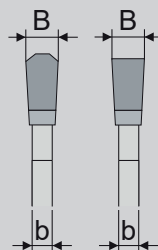
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW340-01	200	3,2	2,5	20	/	64
SHW340-02	250	3,4	2,6	30	2/11/63	60
SHW340-03	250	3,4	2,6	32	2/11/63	60
SHW340-04	250	3,4	2,6	30	2/11/63	80
SHW340-05	250	3,4	2,6	32	2/11/63	80
SHW340-06	300	3,4	2,6	30	2/11/63	72
SHW340-07	300	3,4	2,6	32	2/11/63	72
SHW340-08	300	3,4	2,6	30	2/11/63	84
SHW340-09	300	3,4	2,6	32	2/11/63	84
SHW340-10	300	3,4	2,6	30	2/11/63	96
SHW340-11	300	3,4	2,6	32	2/11/63	96
SHW340-12	330	3,4	2,6	30	2/11/63	96
SHW340-13	350	3,4	2,6	30	2/11/63	84
SHW340-14	350	3,4	2,6	32	2/11/63	84
SHW340-15	350	3,4	2,6	30	2/11/63	96
SHW340-16	350	3,4	2,6	32	2/11/63	96
SHW340-17	350	3,4	2,6	30	2/11/63	108
SHW340-18	350	3,4	2,6	32	2/11/63	108
SHW340-19	370	3,8	3,0	30	2/11/63	96
SHW340-20	380	3,8	3,0	30	2/11/63	96
SHW340-21	400	4,0	3,2	30	2/11/63	96
SHW340-22	400	4,0	3,2	32	2/11/63	96
SHW340-23	400	4,0	3,2	30	2/11/63	108
SHW340-24	400	4,0	3,2	32	2/11/63	108
SHW340-25	400	4,0	3,2	30	2/11/63	120
SHW340-26	400	4,0	3,2	32	2/11/63	120
SHW340-27	420	4,0	3,2	30	2/11/63	96
SHW340-28	450	4,0	3,2	30	2/11/63	96
SHW340-29	450	4,0	3,2	32	2/11/63	96
SHW340-30	450	4,0	3,2	30	2/11/63	108
SHW340-31	450	4,0	3,2	32	2/11/63	108
SHW340-32	450	4,0	3,2	30	2/11/63	128
SHW340-33	450	4,0	3,2	32	2/11/63	128
SHW340-34	450	4,0	3,2	30	2/11/63	140
SHW340-35	500	4,6	3,6	30	2/11/63	120
SHW340-36	500	4,6	3,6	32	2/11/63	120
SHW340-37	500	4,6	3,6	30	2/11/63	140
SHW340-38	500	4,6	3,6	30	2/11/63	156
SHW340-39	550	4,6	3,6	30	2/11/63	140
SHW340-40	550	4,6	3,6	30	2/11/63	172
SHW340-41	600	4,6	3,6	30	2/11/63	140
SHW340-42	600	4,6	3,6	30	2/11/63	186



SHW350

LAMA CIRCOLARE CON TAGLIENTI POSITIVI PER METALLI LEGGERI

Circular sawblade with negative
cut for light metals



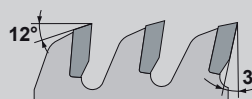
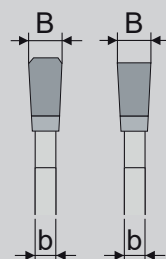
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW350-01	200	3,2	2,5	20	/	64
SHW350-02	250	3,4	2,6	30	2/11/63	60
SHW350-03	250	3,4	2,6	32	2/11/63	60
SHW350-04	250	3,4	2,6	30	2/11/63	80
SHW350-05	250	3,4	2,6	32	2/11/63	80
SHW350-06	300	3,4	2,6	30	2/11/63	72
SHW350-07	300	3,4	2,6	32	2/11/63	72
SHW350-08	300	3,4	2,6	30	2/11/63	84
SHW350-09	300	3,4	2,6	32	2/11/63	84
SHW350-10	300	3,4	2,6	30	2/11/63	96
SHW350-11	300	3,4	2,6	32	2/11/63	96
SHW350-12	330	3,4	2,6	30	2/11/63	96
SHW350-13	350	3,4	2,6	30	2/11/63	84
SHW350-14	350	3,4	2,6	32	2/11/63	84
SHW350-15	350	3,4	2,6	30	2/11/63	96
SHW350-16	350	3,4	2,6	32	2/11/63	96
SHW350-17	350	3,4	2,6	30	2/11/63	108
SHW350-18	350	3,4	2,6	32	2/11/63	108
SHW350-19	370	3,8	3,0	30	2/11/63	96
SHW350-20	380	3,8	3,0	30	2/11/63	96
SHW350-21	400	4,0	3,2	30	2/11/63	96
SHW350-22	400	4,0	3,2	32	2/11/63	96
SHW350-23	400	4,0	3,2	30	2/11/63	108
SHW350-24	400	4,0	3,2	32	2/11/63	108
SHW350-25	400	4,0	3,2	30	2/11/63	120
SHW350-26	400	4,0	3,2	32	2/11/63	120
SHW350-27	420	4,0	3,2	30	2/11/63	96
SHW350-28	450	4,0	3,2	30	2/11/63	96
SHW350-29	450	4,0	3,2	32	2/11/63	96
SHW350-30	450	4,0	3,2	30	2/11/63	108
SHW350-31	450	4,0	3,2	32	2/11/63	108
SHW350-32	450	4,0	3,2	30	2/11/63	128
SHW350-33	450	4,0	3,2	32	2/11/63	128
SHW350-34	450	4,0	3,2	30	2/11/63	140
SHW350-35	500	4,6	3,6	30	2/11/63	120
SHW350-36	500	4,6	3,6	32	2/11/63	120
SHW350-37	500	4,6	3,6	30	2/11/63	140
SHW350-38	550	4,6	3,6	30	2/11/63	120
SHW350-39	550	4,6	3,6	30	2/11/63	140
SHW350-40	600	4,6	3,6	30	2/11/63	120
SHW350-41	600	4,6	3,6	30	2/11/63	140



SHW360

LAMA CIRCOLARE PER TAGLIO DI PROFILI IN ALLUMINIO SU TROCATTRICI AUTOMATICHE SINGOLE O DOPPIE

Circular sawblade for aluminum's cutting on automatic single or double cutting-off machines



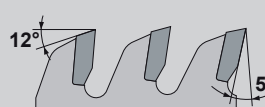
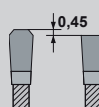
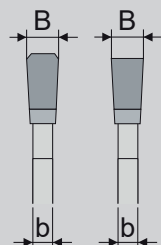
CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW360-01	300	3,4	2,6	32	2/11/63	96
SHW360-02	350	3,4	2,6	32	2/11/63	108
SHW360-03	400	3,8	3,2	32	2/11/63	96
SHW360-04	450	3,8	3,2	32	2/11/63	96
SHW360-05	500	3,8	3,2	32	2/11/63	120
SHW360-06	500	4,6	4,0	32	2/11/63	120



SHW370

LAMA CIRCOLARE PER TAGLIO E FRESATURA DI ALLUMINIO

Circular sawblade for aluminum's cutting and milling

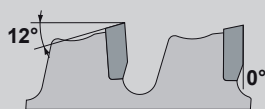
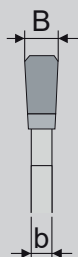


CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW370-01	100	3,0	2,2	22	/	26
SHW370-02	105	3,0	2,2	22	/	26
SHW370-03	115	3,0	2,2	22	/	30
SHW370-04	115	4,0	3,0	22	/	30
SHW370-05	120	3,0	2,2	22	/	30
SHW370-06	125	3,0	2,2	22	/	30
SHW370-07	125	4,0	3,0	22	/	30

SHW380

LAMA CIRCOLARE PER METALLI FERROSI DRY-CUT

Circular sawblade for dry-cut
ferrous metal



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW380-01	150	2,2	1,6	20	2/6/32	30
SHW380-02	160	2,2	1,6	20	2/6/32	30
SHW380-03	180	2,2	1,6	30	2/7/42	30
SHW380-04	190	2,2	1,6	30	2/7/42	38
SHW380-05	200	2,2	1,6	30	2/7/42	40
SHW380-06	210	2,2	1,6	30	2/7/42	40
SHW380-07	216	2,2	1,6	30	2/7/42	40
SHW380-08	230	2,2	1,6	30	PH2	40
SHW380-09	250	2,4	1,8	30	PH2	48
SHW380-10	254	2,4	1,8	25,4	PH2	60
SHW380-11	300	2,4	1,8	25,4	PH2	60
SHW380-12	300	2,4	1,8	25,4	PH2	80
SHW380-13	300	2,4	1,8	30	PH2	60
SHW380-14	300	2,4	1,8	30	PH2	80
SHW380-15	305	2,4	1,8	25,4	PH2	80
SHW380-16	350	2,6	2,0	30	PH2	80
SHW380-17	355	2,6	2,0	25,4	PH2	80
SHW380-18	400	3,0	2,2	30	PH2	84



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

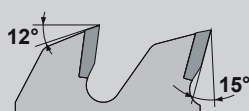
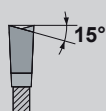
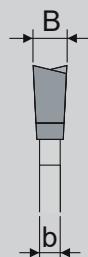


= SILENZIATE
Ultra-Silent

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW390-01	125	2,4	1,4	20	/	20
SHW390-02	130	2,4	1,4	20	/	20
SHW390-03	140	2,4	1,4	20	/	20
SHW390-04	150	2,4	1,4	16	/	24
SHW390-05	150	2,4	1,4	20	/	12
SHW390-06	150	2,4	1,4	20	/	24
SHW390-07	150	2,4	1,4	20	/	40
SHW390-08	160	2,4	1,4	20	2/7/32	48
SHW390-09	160	2,6	1,6	16	/	12
SHW390-10	160	2,6	1,6	16	/	24
SHW390-11	160	2,6	1,6	16	/	40
SHW390-12	160	2,6	1,6	20	2/6/32	12
SHW390-13	160	2,6	1,6	20	2/6/32	24
SHW390-14	160	2,6	1,6	20	2/6/32	40
SHW390-15	160	2,6	1,6	30	2/7/42	24
SHW390-16	160	2,6	1,6	30	2/7/42	40
SHW390-17	170	2,6	1,6	30	2/7/42	24
SHW390-18	170	2,6	1,6	30	2/7/42	40
SHW390-19	180	2,6	1,6	20	2/6/32	24
SHW390-20	180	2,6	1,6	20	2/6/32	40
SHW390-21	180	2,6	1,6	30	2/7/42	12
SHW390-22	180	2,6	1,6	30	2/7/42	24
SHW390-23	180	2,6	1,6	30	2/7/42	40
SHW390-24	184	2,6	1,6	16	/	24
SHW390-25	184	2,6	1,6	16	/	40
SHW390-26	184	2,6	1,6	30	/	24
SHW390-27	184	2,6	1,6	30	/	40
SHW390-28	190	2,6	1,6	16	2/6/32	12
SHW390-29	190	2,6	1,6	16	2/6/32	24
SHW390-30	190	2,6	1,6	16	2/6/32	40
SHW390-31	190	2,6	1,6	20	2/6/32	12
SHW390-32	190	2,6	1,6	20	2/6/32	24
SHW390-33	190	2,6	1,6	20	2/6/32	40
SHW390-34	190	2,6	1,6	30	2/7/42	12
SHW390-35	190	2,6	1,6	30	2/7/42	24

CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW390-36	190	2,6	1,6	30	2/7/42	40
SHW390-37	200	1,8	2,8	30	2/7/42	24
SHW390-38	200	1,8	2,8	30	2/7/42	36
SHW390-39	200	1,8	2,8	30	2/7/42	48
SHW390-40	210	1,8	2,8	25	/	24
SHW390-41	210	1,8	2,8	25	/	36
SHW390-42	210	1,8	2,8	25	/	48
SHW390-43	210	1,8	2,8	30	2/7/42	24
SHW390-44	210	1,8	2,8	30	2/7/42	36
SHW390-45	210	1,8	2,8	30	2/7/42	48
SHW390-46	216	1,8	2,8	30	/	24
SHW390-47	216	1,8	2,8	30	/	48
SHW390-48	216	1,8	2,8	30	/	64
SHW390-49	220	1,8	2,8	30	2/7/42	24
SHW390-50	220	1,8	2,8	30	2/7/42	36
SHW390-51	220	1,8	2,8	30	2/7/42	48
SHW390-52	230	1,8	2,8	30	2/7/42	24
SHW390-53	230	1,8	2,8	30	2/7/42	36
SHW390-54	230	1,8	2,8	30	2/7/42	48
SHW390-55	235	1,8	2,8	25	/	24
SHW390-56	235	1,8	2,8	25	/	36
SHW390-57	235	1,8	2,8	25	/	48
SHW390-58	235	1,8	2,8	30	2/7/42	24
SHW390-59	235	1,8	2,8	30	2/7/42	36
SHW390-60	235	1,8	2,8	30	2/7/42	48
SHW390-61	240	1,8	2,8	30	2/7/42	24
SHW390-62	240	1,8	2,8	30	2/7/42	36
SHW390-63	240	1,8	2,8	30	2/7/42	48
SHW390-64	250	2,2	2,2	30	PH2	40
SHW390-65	250	2,2	2,2	30	PH2	60
SHW390-66	305	2,2	2,2	30	PH2	60

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*

* = NEGATIVA
Negative



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

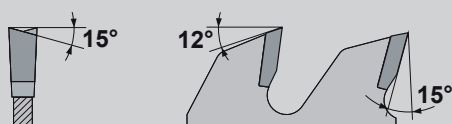
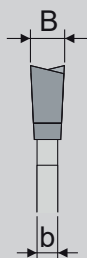


= SILENZIATE
Ultra-Silent

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



AEG

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
HK125A, HK125B	125	2,4	20			SHW390-01	20		
TKS42	130	2,4	20			SHW390-02	20		
HK40	140	2,4	20			SHW390-03	20		
HK45A, HK46S, HK52, HK737, HK46N, HKS52, AHK52, HKS46	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
K55, K55E, K160, HK55	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
HK190, HK65, HK66, HKS65, HKS66, HKSE66, K66	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
HK201	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
HK75, HKS75	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
HKS85, HKS35	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48
HK240	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48

ATLAS COPCO

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
TKS42	130	2,4	20			SHW390-02	20		
K55S, K55SE	160	2,4	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
K66S, K66SE	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
HKS75	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
HKS85	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48

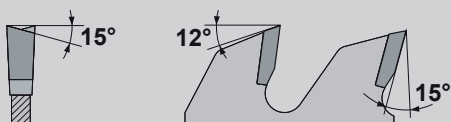
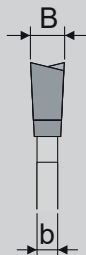
BLACK & DECKER

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
DB855, KS855, U336, U975, U976	160	2,6	16	SHW390-09	12	SHW390-10	24	SHW390-11	40
SEC718, BD865E, KS865, P37-03, P37-05, DN229, DN59, DN820, HD1000, HD2062, SR300, SR362E, HD100, BD229	184	2,6	16			SHW390-24	24	SHW390-25	40
DN800, SEC818, DN810, SR700, BD800	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
P39-02, SEC918	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



BOSCH

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
1551, 1559	140	2,4	20			SHW390-03	20		
GKS12V, PKS46, S1, S33, GKS46	150	2,4	16			SHW390-04	24		
GKS54, PKS54	160	2,6	16	SHW390-09	12	SHW390-10	24	SHW390-11	40
GKS55, 1552, 1556, 1563	170	2,6	30			SHW390-17	24	SHW390-18	40
1550, 1557, 1560	180	2,6	30	SHW390-21	12	SHW390-22	24	SHW390-23	40
P30, P300, PKS65	190	2,6	16	SHW390-28	12	SHW390-29	24	SHW390-30	40
PKS66, GKS65, GKS66, GKS68, 0051, 1564, 1553	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
1561	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
1554, 1558, 1565, GKS75S	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
0052, 1562, 1566, GKS85S	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48
1555	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48

CASALS

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
BSC150, VSC50	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
SC210, VSC70	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
SC230	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48

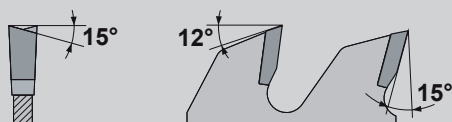
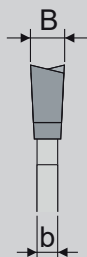
DEWALT

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
DW351	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
DW62	184	2,6	30			SHW390-26	24	SHW390-27	40
DW65, DW365	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
DW700, DW701, DW707	216	2,8	30	SHW390-46	24	SHW390-47	48	SHW390-48	64
DW383	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48
DW86	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48
DW250, DW252, DW320, 1251, 1501, 1503, DW710, DW125, DW150, DW720, DW742	250	2,8	30			SHW390-64	40	SHW390-65	60

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



ELEKTRA - BECKUM

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
KS250, KGS250, GKS300	250	3,2	30			SHW390-64	40	SHW390-65	60

ELU

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
MH151	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
MH155, MH55	170	2,6	30			SHW390-17	24	SHW390-18	40
MH65	180	2,6	30	SHW390-21	12	SHW390-22	24	SHW390-23	40
MH165, 265	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
MH182, MH30, MH82	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
PS174, PS274	216	2,8	30	SHW390-46	24	SHW390-47	48	SHW390-48	64
MH85	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48
TKS171, 170, 171, 172, 173	250	3,2	30			SHW390-64	40	SHW390-65	60

FEIN

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
SSK646	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
SSK660	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
SSK661	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48

FELISATTI

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
TP751	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
TP765, TP766	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40

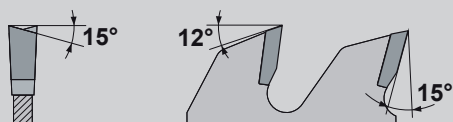
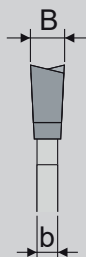
FLOTTJET

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
1011, 2011, 3011	250	3,2	30			SHW390-64	40	SHW390-65	60

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



FESTO

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
AUF35, S4	125	2,4	20			SHW390-01	20		
ATF55, AP55	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
AU50, AUP50, AAU	160	2,6	30			SHW390-15	24	SHW390-16	40
AT5E, AUT42S, AU42S, AXT50LA, A×T55	170	2,6	30			SHW390-17	24	SHW390-18	40
AU55S, AU60P, AU60S, AUT60S	180	2,6	30	SHW390-21	12	SHW390-22	24	SHW390-23	40
AD65, AU65S, AXP65, AP68E, AUT65S	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
AU77S	220	2,8	30	SHW390-49	24	SHW390-50	36	SHW390-51	48
A×P85, AP88E, AP85E	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48
AD85-1, AE85	250	3,2	30			SHW390-64	40	SHW390-65	60

FREUD

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
FCS184	184	2,6	30	SHW390-26	24			SHW390-27	40
FTR250T	250	3,2	30			SHW390-64	40	SHW390-65	60

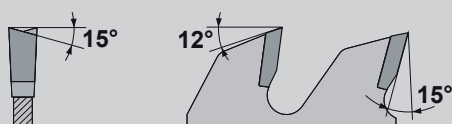
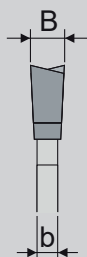
HAFFNER

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
KSU105	125	2,4	20			SHW390-01	20		
KSU50	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
KSU110	170	2,6	30			SHW390-17	24	SHW390-18	40
KSU60	180	2,6	20			SHW390-19	24	SHW390-20	40
KSU113	180	2,6	30	SHW390-21	12	SHW390-22	24	SHW390-23	40
AKS	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
KS75, KL177, KL178, KSU118	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
KS75, KL177, KL178, KSU118	220	2,8	30	SHW390-49	24	SHW390-50	36	SHW390-51	48
KL176, KS85, KSU85, SP187	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48
SP196, SP197, AKS, SP189, TGS161, TGS162, TGS163, GS165, GS166, GS1, 2W, 2D, SP195, TGS198, GS150	250	3,2	30			SHW390-64	40	SHW390-65	60

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



HITACHI

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
C5Y	125	2,4	20			SHW390-01	20		
C5, FC5, FC5SA	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
C6DA, FC6DA	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
C6SA, PSU6	170	2,6	30			SHW390-17	24	SHW390-18	40
FC7SA, PSM-7, PSU7	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
C8U, C8FA, PSM-8, PSU-8	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
C8FC	216	2,8	30	SHW390-46	24	SHW390-47	48	SHW390-48	64
C9U, PSM9, PSU9	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48

HOLZ-HER

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
DERBY, MOSQUITO, 2110, 2111, 2171	130	2,4	20			SHW390-02	20		
2260, 2270, 2103, 2104, 2105	140	2,4	20			SHW390-03	20		
2106, 2107, 2108, HKU50/264	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
1563, 2115, 2266, 2271, 2281	170	2,6	30			SHW390-17	24	SHW390-18	40
HKU55, 2112, 2272, 2291	180	2,6	30	SHW390-21	12	SHW390-22	24	SHW390-23	40
2114, 2116, 2117, 2119, 2126, 2269, 2282	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
HK201, 2113, 2292, 2555	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
PKS267, 2267, 2284	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
HKU75, 2274, 2279	220	2,8	30	SHW390-49	24	SHW390-50	36	SHW390-51	48
2118, 2120, 2171, 2293, 2294	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48
HKD65, 2268	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48

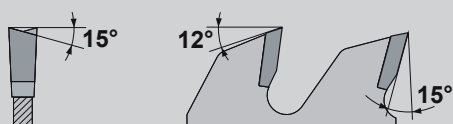
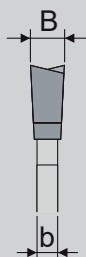
STAYER

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
PROFILINE, CP46	140	2,4	20			SHW390-03	24		
CP50	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
SLL250, SCE250, CP66	250	3,2	30			SHW390-64	40	SHW390-65	60

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



KITY

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
0618	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48

KRESS

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
CHKS 6055/6050	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
CHKS 6060/1600	190	2,6	20	SHW390-31	12	SHW390-32	24	SHW390-33	40

MAFELL

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
SF32, x40, xE40	125	2,4	20			SHW390-01	20		
MKS55, MS55, PS52, B55, FU50, x55, xE55	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
KS320	160	2,6	30			SHW390-15	24	SHW390-16	40
MKS65, MS65	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
B65, x72	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
HKS75, MS75	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
B82	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48
MKS85, MS85, ERIKA85	250	3,2	30			SHW390-64	40	SHW390-65	60

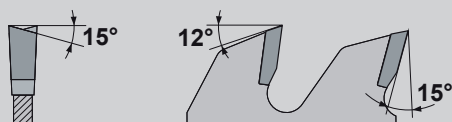
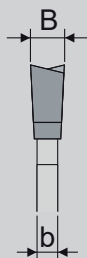
MAKITA

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
5600B	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
5600NB, 5600RDW	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
5800B, 5801B	180	2,6	20			SHW390-19	24	SHW390-20	40
5800BR	190	2,6	20	SHW390-31	12	SHW390-32	24	SHW390-33	40
5703R	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
SR2100, LS0810	210	2,8	25	SHW390-40	24	SHW390-41	36	SHW390-42	48
SR2300, 5900B-R	235	2,8	25	SHW390-55	24	SHW390-56	36	SHW390-57	48
5903R	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



METABO

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
BTK0, KS0846S, KS0852S, 4341S, 61+2, KS52S, KS0946S	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
BTK1, KS1155S	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
6317S	180	2,6	20			SHW390-19	24	SHW390-20	40
KS4345S, 5348, KS4346S, KS65S, KS1468, KSE1668, KS1266S	190	2,6	20	SHW390-31	12	SHW390-32	24	SHW390-33	40
KSE1678, KGS1670	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48
6322-S	220	2,8	30	SHW390-49	24	SHW390-50	36	SHW390-51	48
KS6323, KS1785S	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48
TK168S, TK1685, TK1688, TKU1633, TKU1693 250	250	3,2	30			SHW390-64	40	SHW390-65	60

PERLES

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
KS50	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
KS70	210	2,8	30	SHW390-43	24	SHW390-44	36	SHW390-45	48

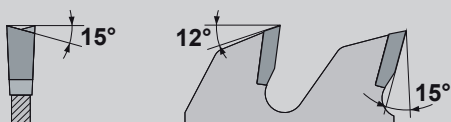
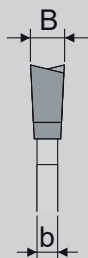
RYOBI

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
MS50	150	2,4	16			SHW390-04	24		
MS45, MS45E	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
FM, W5502C	160	2,6	16	SHW390-09	12	SHW390-10	24	SHW390-11	40
MS55	160	2,6	20	SHW390-12	12	SHW390-13	24	SHW390-14	40
MS65	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
MS70	200	2,8	30	SHW390-37	24	SHW390-38	36	SHW390-39	48
ME85, MS80	220	2,8	30	SHW390-49	24	SHW390-50	36	SHW390-51	48
MS85	230	2,8	30	SHW390-52	24	SHW390-53	36	SHW390-54	48
FM10A, 3100, 4200	240	2,8	30	SHW390-61	24	SHW390-62	36	SHW390-63	48

SHW390

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



SKIL

MODELLO Model	D mm	B mm	d mm	CODICE CODE	Z	CODICE CODE	Z	CODICE CODE	Z
5246S	150	2,4	16			SHW390-04	24		
1850, 1850H	150	2,4	20	SHW390-05	12	SHW390-06	24	SHW390-07	40
416, 534, 536, 552, 77, 537, BIH	160	2,6	16	SHW390-09	12	SHW390-10	24	SHW390-11	40
559, 574, 857, 1865	184	2,6	16			SHW390-24	24	SHW390-25	40
1865, 5266, 5366, 5466	190	2,6	16	SHW390-28	12	SHW390-29	24	SHW390-30	40
1965, 5566, 5666	190	2,6	30	SHW390-34	12	SHW390-35	24	SHW390-36	40
1524H, 1873H, 1525, 1886, 1985	210	2,8	25	SHW390-40	24	SHW390-41	36	SHW390-42	48
1986	235	2,8	30	SHW390-58	24	SHW390-59	36	SHW390-60	48



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

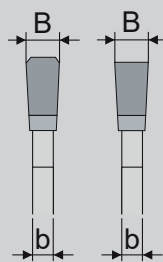


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Ultra-Silent

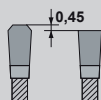
SHW400

LAMA CIRCOLARE PER MACCHINE PORTATILI

Circular sawblade
for portable machines



HW



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z
SHW400-01	160	2,2	1,6	20	2/6/32	56
SHW400-02	160	2,8	1,8	20	2/6/32	42
SHW400-03	180	2,8	1,8	20	2/6/32	48
SHW400-04	190	2,8	1,8	30	2/7/42	54
SHW400-05	210	2,8	1,8	30	2/7/42	54
SHW400-06	216	3,0	2,0	30	/	64
SHW400-07	220	3,0	2,0	30	2/7/42	64



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Eco-Silent



= SILENZIATE
Silent

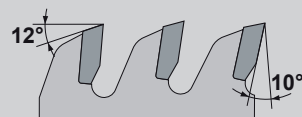
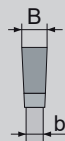


= SILENZIATE
Ultra-Silent

SHW410

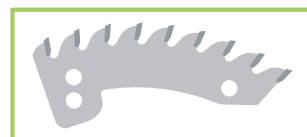
SETTORI PER TRUCIOLATORE

Hogger segments



LEITZ

CODICE CODE	D mm	B mm	b mm	Z	ROTAZIONE ROTATION
SHW410-01	250	4,5/6,0	2,6	7	L/R
SHW410-02	300	4,5/6,0	2,6	9	L/R
SHW410-03	350	4,5/6,0	2,6	10	L/R

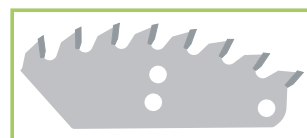


LEUCO

CODICE CODE	D mm	B mm	b mm	Z	ROTAZIONE ROTATION
SHW410-04	200	4,0	2,8	4	L/R
SHW410-05	250	4,0	2,8	4	L/R

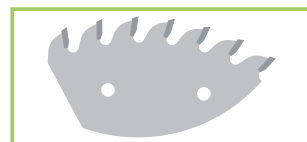


CODICE CODE	D mm	B mm	d mm	Z	ROTAZIONE ROTATION
SHW410-06	250	4,0	2,8	6	L/R
SHW410-07	250	4,0	2,8	8	L/R
SHW410-08	300	4,0	2,8	6	L/R
SHW410-09	300	4,0	2,8	8	L/R
SHW410-10	300	4,0	2,8	10	L/R
SHW410-11	350/430	4,0	2,8	6	L/R
SHW410-12	350/430	4,0	2,8	8	L/R
SHW410-13	350/430	4,0	2,8	10	L/R

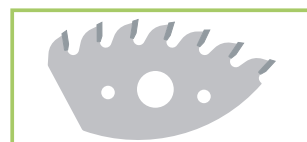


WITO×

CODICE CODE	D mm	B mm	b mm	Z	ROTAZIONE ROTATION
SHW410-14	200	5,0	2,8	7	L/R
SHW410-15	250	5,0/7,0	2,8	7	L/R
SHW410-16	300	5,0/7,0	2,8	7	L/R
SHW410-17	200	6,2	2,8	7	L/R
SHW410-18	250	6,2	2,8	7	L/R
SHW410-19	300	6,2	2,8	7	L/R
SHW410-20	350	6,2	2,8	7	L/R
SHW410-21	250	6,2	2,8	13	L/R
SHW410-22	300	6,2	2,8	13	L/R



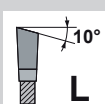
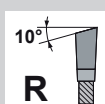
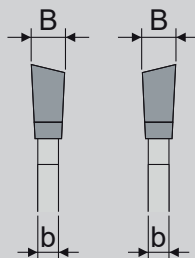
CODICE CODE	D mm	B mm	d mm	Z	ROTAZIONE ROTATION
SHW410-23	250	5,0	2,8	7	L/R
SHW410-24	300	5,0	2,8	7	L/R
SHW410-25	350	5,0	2,8	7	L/R
SHW410-26	250	5,0	2,8	13	L/R
SHW410-27	300	5,0	2,8	13	L/R
SHW410-28	350	5,0	2,8	12	L/R



SHW420

LAMA CIRCOLARE PER TRUCIOLATORE

Circular sawblade for hogger



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	ROTAZIONE ROTATION
SHW420-01	200	4,0	2,8	80	4 LEUCO	44-4	L/R
SHW420-02	200	4,0	2,8	80	4 LEUCO	48	L/R
SHW420-03	200	4,0	2,8	80	4 LEUCO	64-4	L/R
SHW420-04	205	4,1	2,8	80	/	48	L/R
SHW420-05	205	4,1	2,8	80	/	60	L/R
SHW420-06	205	4,1	2,8	80	3 WITOX	48-3	L/R
SHW420-07	205	4,1	2,8	80	/	60-3	L/R
SHW420-08	220	4,0	2,8	80	6 LEUCO	60	L/R
SHW420-09	250	4,1	2,8	80	/	60	L/R
SHW420-10	250	4,1	2,8	130	/	60	L/R
SHW420-11	250	4,0	2,8	80	6 LEUCO	54-6	L/R
SHW420-12	250	4,0	2,8	100	6 LEUCO	78-6	L/R
SHW420-13	255	4,1	2,8	130	/	40	L/R
SHW420-14	255	4,1	2,8	80	/	60	L/R
SHW420-15	255	4,1	2,8	130	/	60	L/R
SHW420-16	255	4,1	2,8	130	4 WITOX	40	L/R
SHW420-17	255	4,1	2,8	130	4 WITOX	60	L/R
SHW420-18	255	4,1	2,8	130	/	80	L/R
SHW420-19	255	4,1	2,8	130	4 WITOX	60-4	L/R
SHW420-20	255	4,1	2,8	130	4 WITOX	80-4	L/R
SHW420-21	255	4,1	2,8	100	6 LEUCO	60-6	L/R
SHW420-22	255	4,1	2,8	100	6 LEUCO	78-6	L/R
SHW420-23	255	4,1	2,8	130	6 SWEBO	60-2	L/R
SHW420-24	255	4,1	2,8	130	6 SWEBO	80-2	L/R
SHW420-25	255	4,1	2,8	130	10 FREUD	60-4	L/R
SHW420-26	305	4,1	2,8	155	/	72	L/R
SHW420-27	305	4,1	2,8	155	6 WITOX	48	L/R
SHW420-28	305	4,1	2,8	155	6 WITOX	72-6	L/R
SHW420-29	305	4,1	2,8	155	6 WITOX	96-6	L/R
SHW420-30	350	4,1	2,8	155	8 WITOX	56	L/R
SHW420-31	350	4,1	2,8	155	8 WITOX	80	L/R



= ECO-SILENZIATE
Eco-Silent



= SILENZIATE
Silent

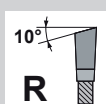
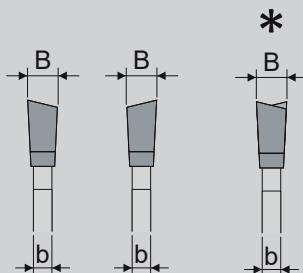


= SILENZIATE
Ultra-Silent

SHW430

LAMA INCISORE PER SQUADRATRICI E BORDATRICE

Scoring sawblade
for squaring machine



CODICE CODE	D mm	B mm	b mm	d mm	FORATURA PIN HOLES	Z	ROTAZIONE ROTATION
SHW430-01	90	3,6	2,5	30	/	20-15°	L/R
SHW430-02	100	2,6	1,6	32	HOMAG	30 NEG	L/R
SHW430-03	100	3,2	2,2	20	/	20	L/R
SHW430-04	100	3,2	2,2	32	/	20	L/R
SHW430-05	115	2,6	1,8	30	STEFANI	24*	/
SHW430-06	115	2,6	1,8	30	STEFANI	24	L/R
SHW430-07	120	3,2	2,2	20	/	30	L/R
SHW430-08	125	3,2	2,2	20	/	30	L/R
SHW430-09	125	3,2	2,2	20	/	40	L/R
SHW430-10	125	3,2	2,2	30	/	40	L/R
SHW430-11	150	3,2	2,2	30	/	24	L/R
SHW430-12	150	3,2	2,2	20	/	36	L/R
SHW430-13	150	3,2	2,2	30	/	36	L/R
SHW430-14	150	3,2	2,2	55	/	36	L/R
SHW430-15	150	3,2	2,2	60	/	36	L/R
SHW430-16	150	3,2	2,2	30	/	48	L/R
SHW430-17	150	3,2	2,2	55	/	48	L/R
SHW430-18	150	3,2	2,2	60	/	48	L/R
SHW430-19	150	3,2	2,2	35+4	STEFANI	48	L/R
SHW430-20	170	3,2	2,2	20	/	40	L/R
SHW430-21	170	3,2	2,2	30	/	40	L/R
SHW430-22	180	3,2	2,2	30	/	36	L/R
SHW430-23	180	3,2	2,2	40	/	36	L/R
SHW430-24	180	3,2	2,2	55	/	36	L/R
SHW430-25	180	3,2	2,2	60	/	36	L/R
SHW430-26	180	3,2	2,2	30	/	56	L/R
SHW430-27	180	3,2	2,2	40	/	56	L/R
SHW430-28	180	3,2	2,2	50+3	LEUCO	42	L/R
SHW430-29	180	3,2	2,2	65+6	LEUCO	48	L/R
SHW430-30	180	3,2	2,2	50+3	LEUCO	54	L/R
SHW430-31	200	3,2	2,2	30	/	48	L/R
SHW430-32	200	3,2	2,2	40	/	48	L/R
SHW430-33	200	3,2	2,2	55	/	48	L/R
SHW430-34	200	3,2	2,2	60	/	48	L/R
SHW430-35	200	3,2	2,2	70	/	48	L/R
SHW430-36	200	3,2	2,2	80	/	48	L/R
SHW430-37	200	3,2	2,2	70	/	64	L/R

ISTRUZIONI PER L'USO CORRETTO DELLE LAME

INSTRUCTIONS FOR THE RIGHT USE OF THE SAWBLADES

Controllare che la lama che si sta montando sia idonea al lavoro da eseguire, che sia perfettamente pulita e non presenti alcuna alterazione provocata da urti o da altri incidenti.

Controllare che l'albero su cui va montata sia:

- perfettamente dritto
- del diametro del foro della lama e in tolleranza H7

Le flange di bloccaggio devono essere:

- di diametro uguale
- di diametro minimo di 1/3 della lama
- perfettamente parallele e ben pulite
- con il foro ortogonale al piano di appoggio

Eventuali anelli distanziali devono essere paralleli ben puliti. Controllare spesso l'affilatura delle lame e riaffilarle appena necessario mantenendo inalterate le geometrie originali dei denti.

Prima di iniziare la lavorazione controllare che:

- la lama sia ben bloccata
- la velocità di rotazione sia quella giusta per la lama montata



You have to check that the saw blade that you are assembling should be perfectly cleaned and suitable for the job you have to do and it doesn't have alterations caused by bumps or other accidents.

The tree for the assemblage must be:

- perfectly straight
- with the same diameter of the hole of the blade and with tolerance H7

The blocking flanges must be:

- with the same diameter between them
- with 1/3 minimum diameter of the diameter of the blade
- perfectly parallels and cleaned
- with the hole orthogonal to the support plan

If there are spacers, they must be parallels and perfectly cleaned. You've to check frequently the sharp of the blade: the blades need to be immediately sharpened when it's necessary keeping unchanged the original geometries of the teeth.

Before working you have to check that:

- the blade should be perfectly blocked
- the rotation speedy should be right for the blade you've assembled

SIMBOLI E ABBREVIAZIONI

SYMBOLS & ABBREVIATION



LUNGO VENA
Longitudinal cut



SEZIONE PIENA
Solid section



AVANZAMENTO MECCANICO
Mechanical feed



TRAVERSO VENA
Cross Cut



PROFILATI
Profiled



DENTE IN WIDIA
HW tooth



LUNGO E TRAVERSO VENA
Longitudinal and cross cut



CORNICI
Frames



LAME RIVESTITE
Coated saws



TAGLIO DIAGONALE
Transverse cut



MATERIALI PLASTICI
Plastic materials



LAME CROMATE
Chromed saws



TAGLIO A PACCO
Cutting stack



METALLI FERROSI
Ferrous metal



ALTE PRESTAZIONI
High performances



TAGLIO CON INCISORE
Cutting with scoring blade



METALLI NON FERROSI
Non-ferrous metal



MACCHINE PORTATILI
Portable machines



LAMA INCISORE
Scoring saw blade



SEZIONE VUOTA
Hollow section



TRONCATRICI
Miter saw



ESECUZIONE CANALE
Grooving execution

D = Diametro utensile / Tool's diameter
d = Diametro foro / Bore's diameter
Lu = Profondità di lavoro / Working width
B = Larghezza del dente / Tooth width
b = Larghezza corpo lama / Saw's body width
Z = Numero di denti / Nr. of teeth

R = Destra / Right
L = Sinistra / Left
DKN = Sede per chiavetta (b x h) / Keys
LT = Limitatore / Chip limiter
A.T. = Angolo di Taglio / Working lenght
A.A. = Angolo di Affilatura / Top Bevel Angle

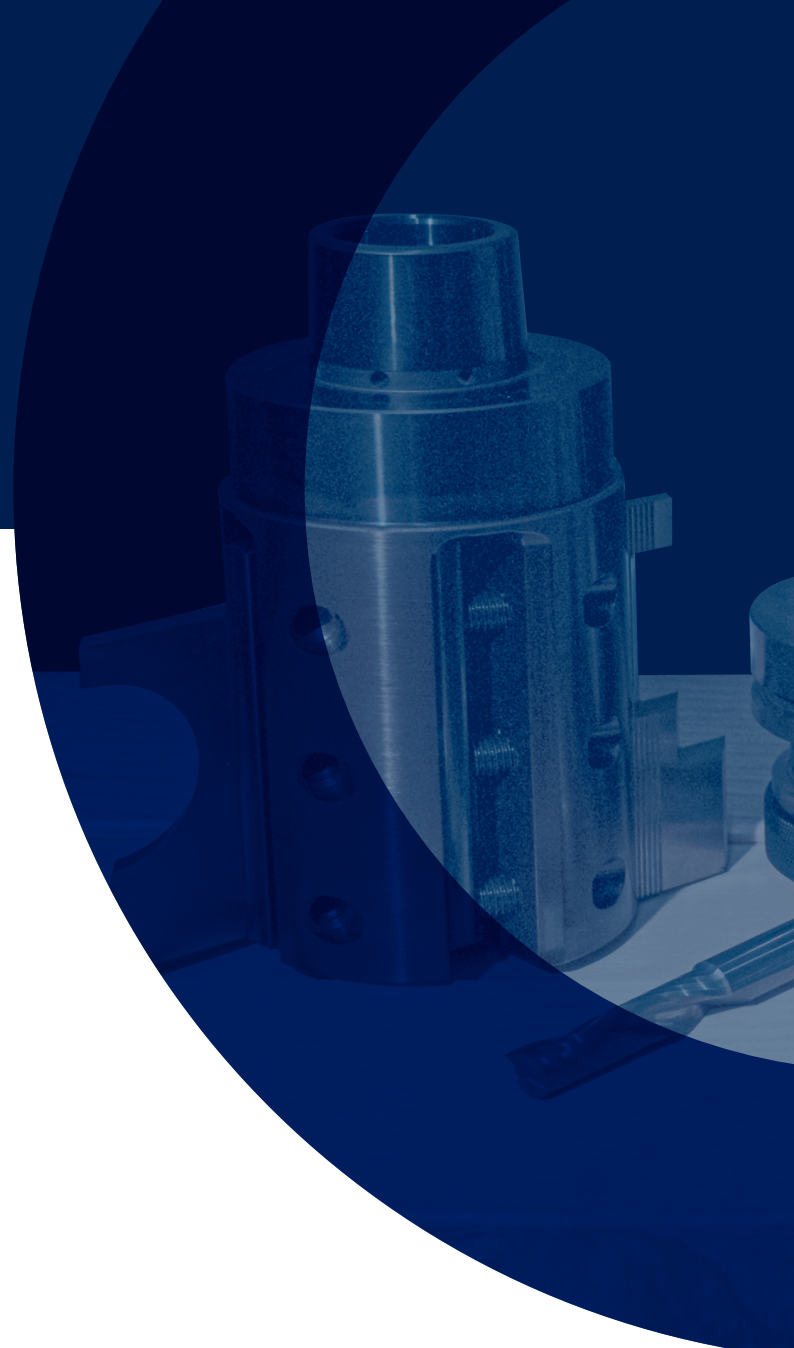
LEGENDA
KEY
LEGENDE
LEYENDA



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