

finck

MADE IN ITALY



**PUNTE FORATRICI
DRILL BITS**

CATALOGO

**46 - F
2016**

CONDIZIONI GENERALI DI VENDITA

ORDINI

Le ordinazioni si intendono accettate alle condizioni indicate nella conferma d'ordine e non potranno essere annullate né parzialmente né totalmente dal Committente. In mancanza di conferma d'ordine valgono le nostre condizioni generali di vendita.

CONSEGNE

I termini di consegna pattuiti decorrono dalla data di definizione di tutti i dettagli inerenti l'ordinazione e saranno nel possibile rispettati. Eventuali ritardi, conseguenze di disagi indipendenti dalla nostra volontà, non potranno essere motivo di annullamento o di richieste di indennizzi di nessun genere.

SPEDIZIONI

La merce viene resa franco nostro stabilimento e spedita, salvo accordi diversi, con il mezzo più vantaggioso. La merce viaggerà sempre a rischio e pericolo del committente. Eventuali assicurazioni dovranno essere esplicitamente richieste e saranno fatturate al costo. L'imballo è sempre a carico del committente ed addebitato al costo.

GARANZIA

Tutti i nostri utensili sono sottoposti ad accurati controlli e sono completamente garantiti. Si declina qualsiasi responsabilità per danni diretti ed indiretti dovuti all'utilizzo improprio dei materiali, dal logorio, da danni causati dal trasporto, da modifiche effettuate senza la nostra approvazione od alla non osservanza delle norme e delle condizioni di impiego indicate su utensili, manuali o cataloghi e sito internet.

RESTITUZIONI E RECLAMI

Non si accettano restituzioni della merce, a nessun titolo, se non preventivamente autorizzate da FINK srl. I reclami per merce sbagliata o difettosa dovranno essere inviati alla nostra sede esclusivamente tramite documentazione scritta indicante il difetto riscontrato, entro 8 giorni dal ricevimento della merce.

PREZZI

I prezzi si intendono I.V.A. esclusa, che sarà applicata con l'aliquota vigente al momento della spedizione. La merce si intende fornita franco nostra fabbrica e l'imballo è a carico del committente. Salvo accordi particolari comprovati dalla conferma d'ordine, vengono applicati i prezzi di listino in vigore alla data dell'ordine della merce. Fori speciali a partire da € 8,00.

PAGAMENTI

Gli importi delle fatture vanno pagati per intero alle scadenze stabilite e direttamente a FINK srl. Non sono ammessi arrotondamenti o trattenute arbitrarie. Tutte le spese accessorie sono a carico del cliente. Il mancato rispetto dei termini di pagamento autorizza FINK srl, al recupero di ogni spesa accessoria, agli interessi maturati secondo quanto previsto dal D.Lgs 9/10/2002 n.231, ci riserviamo inoltre il diritto alla sospensione di eventuali ordini in corso. La merce rimane proprietà di FINK srl fino al pagamento totale della fornitura e delle eventuali spese accessorie.

DIRITTI D'AUTORE

Tutti i diritti sono riservati a norma di legge. FINK srl fa divieto a chiunque di copiare, riprodurre testi, disegni, illustrazioni in modo totale o parziale, senza il suo consenso scritto.

FORO COMPETENTE

Per qualsiasi controversia, il foro competente è esclusivamente quello di Monza. I contratti, anche se stipulati con acquirenti stranieri o per materiali forniti all'estero sono regolati dalla legislazione Italiana.

SPECIFICAZIONI E DISEGNI

I prodotti FINK srl sono soggetti a continue innovazioni; ci si riserva il diritto di apportare le modifiche ed i miglioramenti ritenuti opportuni senza incorrere in alcun tipo di obbligazione per quelli già venduti.

GENERAL TERMS OF SALE

ORDERS

Orders are accepted with the conditions indicated in the order confirmation and may neither be totally nor partially cancelled by the customer. Without an order confirmation are valid our general terms of sale.

DELIVERY TERMS

The delivery dates are only indicative and will be respected as much as possible and start from the date when all the details concerning the order are defined. Possible delays, due to unexpected events, that do not depend from our, will cannot be reason of claim, cancellation of the order or request for any compensation

SHIPMENTS

Goods are delivered ex-factory and with the most advantageous forwarding agent, except different agreements with the buyer. Freight costs and risks will be at the charge of the buyer. Shipment will be covered by insurance guarantee only if expressly requested by the buyer and charged at cost. No claim can be entertained in case of goods short delivered, damaged or lost in transit. Packing is at the charge of the buyer and debited at the real cost.

GUARANTEE

All our tools are carefully controlled and guaranteed. The guarantee does not include damages caused during the transport, defects due to wear, wrong or improper use, non maintenance, handlings or modifications made without our approval, the failure to comply with the safety rules and the instructions of use indicated on the tools, catalogues, guides or web-site.

RETURNS AND CLAIMS

Fink does not accept returns of the goods if not previously authorized. Claims for wrong or defective goods have to be communicated only in writing within 8 days from the receipt of the goods mentioning the description of the defect.

PRICES

Prices are considered ex-factory without V.A.T., which will be imposed with the share in force during the invoicing. The packing is at the charge of the buyer. Except particular agreements stated in the order confirmation we will apply the price-list in force at the moment of the order. Extra cost for special bores from € 8,00.

PAYMENTS

The invoices amounts have to be fully paid, on stated maturity, to Fink S.r.l. All extra charges are at the customer expense. Payments may not be rounded down or reduced under any circumstances. If the terms of payment are not honoured Fink S.r.l. can interrupt new supplies and debit all the due interests as well as any additional expense. The delivery terms will be automatically extended. The passing of property of the products supplied by Fink S.r.l. to the customer will take place after complete settlement of the invoices.

RESERVED OWNERSHIP RIGHTS

All rights are reserved in accordance with the law and international agreements.

This catalogue not be reproduced or copied (even in part) without prior and written authorization on the part of Fink S.r.l.

PLACE OF JURISDICTION

For any legal matter the place of jurisdiction is Monza.

The contracts, even if defined with foreign Buyers or for goods to be sent abroad, are regulated by the Italian legislation.

SPECIFICATION AND DRAWINGS

Our tools are subject to continuous innovations, we reserve the right to make improvements and modifications that we consider appropriate without incurring in any kind of duty for the products already sold.

THE PRICE-LIST 2011 CANCEL AND REPLACES THE PREVIOUS ONE.



PUNTE PER FORATRICI - DRILL BITS



PUNTE PER MORTASARE
KSS MORTISE BITS

ART.290



PUNTE INTEGRALI PER PICCOLI FORI
HW SOLID CARBIDE JOBBER DRILLS

ART. 300



PUNTE SPECIALI PER FORI CIECHI
SPECIAL DOWELL DRILL BITS

ART.302



PUNTE PER FORI CIECHI IN HW INTEGRALE
HW SOLID CARBIDE DOWELL DRILLS

ART. 303



**PUNTE PER FORI PASSANTI
IN HW INTEGRALE**
HW THROUGH HOLE DRILLS

ART.304



PUNTE PER FORI CIECHI
DOWELL DRILL BITS

ART. 305 - 306



PUNTE LUNGHE PER FORI CIECHI
LONG DOWELL DRILLS

ART. 306D => F



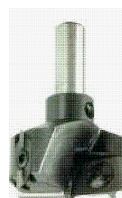
PUNTE PER FORI PASSANTI
THROUGH HOLE DRILLS

ART. 310 - 311



PUNTE PER CERNIERE
HINGE BORING BITS-HW

ART.313 - 314



**PUNTE PER CERNIERE
CON COLTELLINI**
HW HINGE BORING BITS

ART. 313K



PUNTE PER PANTOGRAFO
GROOVING CUTTERS

ART. 321 => 339



RIFILATORI A COLTELLINI
*SHANK TYPE EDGE TRIMMING
CUTTERS*

ART. 345 => 352

CATALOGO 46 F 2016

290 PUNTE PER MORTASARE

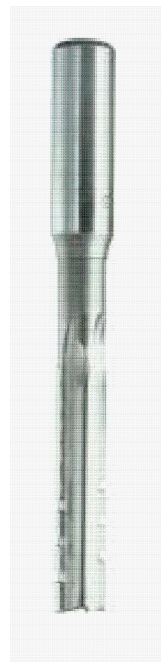
A DUE TAGLIENTI DIRITTI E ROMPITRUCIOLO. ATTACCO CILINDRICO mm 16 x 50 CON ROTAZIONE DESTRA O SINISTRA, COSTRUITE IN ACCIAIO KSS. DISPONIBILE A RICHIESTA CON GAMBO mm 13 x 50.

KSS-MORTISE BITS WITH CHIP BREAKER

IN KSS STEEL, Z2 PARALLEL TO CUTTER AXIS, CHIP BREAKER, CYLINDRICAL SHANK mm 16 x 50. RIGHT OR LEFT ROTATION. AVAILABLE ON REQUEST SHANK mm 13 x 50.

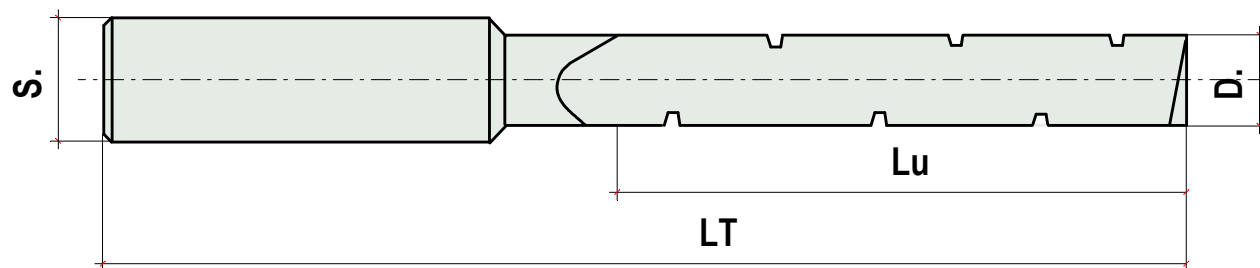
290

Codice KSS-RH	Codice KSS-LH	D. mm.	L mm.	Lu mm.	S x A
290.06R ●	290.06L	6	105		16 x 50
290.07R	290.07L	7	110		16 x 50
290.08R ●	290.08L	8	115		16 x 50
290.09R	290.09L	9	120		16 x 50
290.10R ●	290.10L	10	125		16 x 50
290.11R	290.11L	11	130		16 x 50
290.12R ●	290.12L	12	135		16 x 50
290.13R	290.13L	13	140		16 x 50
290.14R ●	290.14L	14	145		16 x 50
290.15R	290.15L	15	150		16 x 50
290.16R ●	290.16L	16	155		16 x 50
290.18R ●	290.18L	18	165		16 x 50
290.20R ●	290.20L	20	175		16 x 50
290.22R ●	290.22L	22	175		16 x 50
290.24R	290.24L	24	175		16 x 50



A RICHIESTA GAMBO D.13 x 50 mm

ON REQUEST SHANK D.13 x 50 mm



● PRONTO A MAGAZZINO
IN STOCK

PUNTE INTEGRALI COMPONENTI PER PICCOLI FORI

300

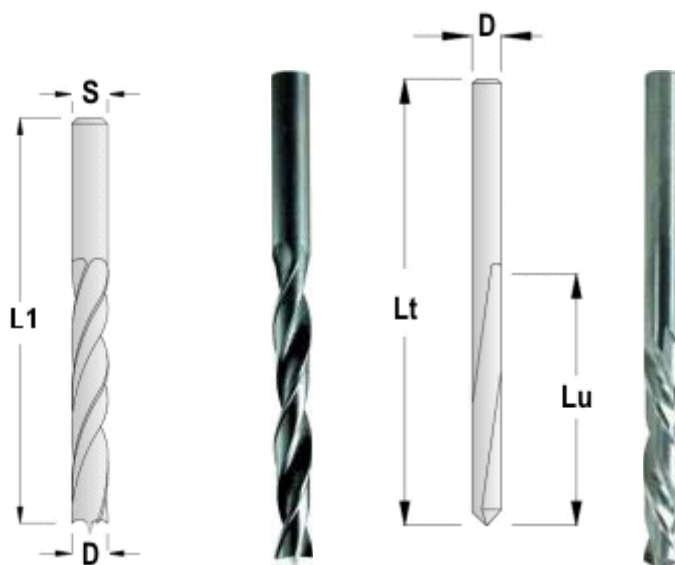
Codice HW- RH	Codice HW-LH	D. mm.	L. mm.	Lu mm.
300.002 R	300.002 L	2	49	16
300.025 R	300.025 L	2,5	55	27
300.003 R	300.003 L	3	55	27
300.032 R	300.032 L	3,2	55	27
300.035 R	300.035 L	3,5	55	27
300.004 R	300.004 L	4	55	27
300.005 R	300.005 L	5	55	27

HW SOLID CARBIDE JOBBER DRILLS

Art.300 with Z2+V2 for dowell.

Art.301 with Z2 for through bores.

To combine with art .301A - 301B

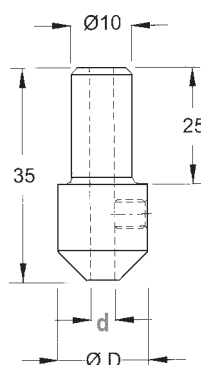


301

Codice HW- RH	Codice HW-LH	D. mm.	L. mm.	Lu mm.
301.002 R	301.002 L	2	49	16
301.025 R	301.025 L	2,5	55	27
301.003 R	301.003 L	3	55	27
301.032 R	301.032 L	3,2	55	27
301.035 R	301.035 L	3,5	55	27
301.004 R	301.004 L	4	55	27
301.005 R	301.005 L	5	55	27

301A

Codice	d. mm.	L. mm.	D. mm.	S x A mm.
301.02 A	2	23	15	10x25
301.25 A	2,5	23	15	10x25
301.03 A	3	23	15	10x25
301.32 A	3,2	23	15	10x25
301.35 A	3,5	23	15	10x25
301.04 A	4	23	15	10x25
301.05 A	5	23	15	10x25



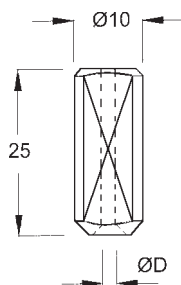
Art.300 per fori ciechi.

Art.301 per fori passanti.

Componibili con art. 301A - 301B

301B

Codice	d. mm.	L. mm.	D. mm.
301.02 B	2	24	10
301.25 B	2,5	24	10
301.03 B	3	24	10
301.32 B	3,2	24	10
301.35 B	3,5	24	10
301.04 B	4	24	10
301.05 B	5	24	10



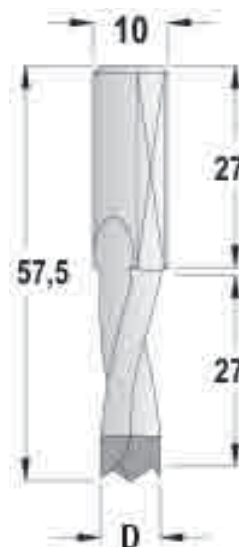
PUNTE SPECIALI PER FORI CIECHI

HW SPECIAL HIGH PERFORMANCE DOWELL DRILL BITS

Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Black colour for right rotation -orange colour for left rotation.

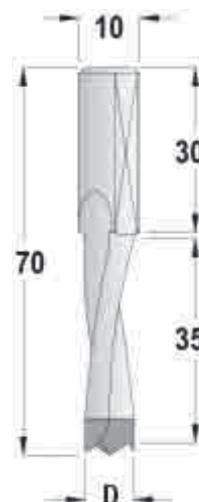
302A

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
302.05 AR	302.05 AL	5	57.5	27	10x27
302.06 AR	302.06 AL	6	57.5	27	10x27
302.08 AR	302.08 AL	8	57.5	27	10x27
302.10 AR	302.10 AL	10	57.5	27	10x27
302.12 AR	302.12 AL	12	57.5	27	10x27



302B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
302.05 BR	302.05 BL	5	70	35	10x30
302.06 BR	302.06 BL	6	70	35	10x30
302.08 BR	302.08 BL	8	70	35	10x30
302.10 BR	302.10 BL	10	70	35	10x30
302.12 BR	302.12 BL	12	70	35	10x30



Gambo D.10 mm. con piano e vite di regolazione. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

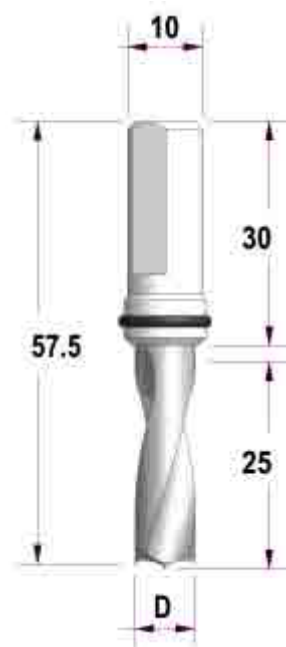
PUNTE SPECIALI PER FORI CIECHI

HW - SOLID CARBIDE HIGH PERFORMANCE SPECIAL DOWELL DRILLS

Body in Hw solide carbide - Shank D.10 mm. with flat and adjusting screw. Black and orange ring to select the rotation.Special chipfree negative spurs action.

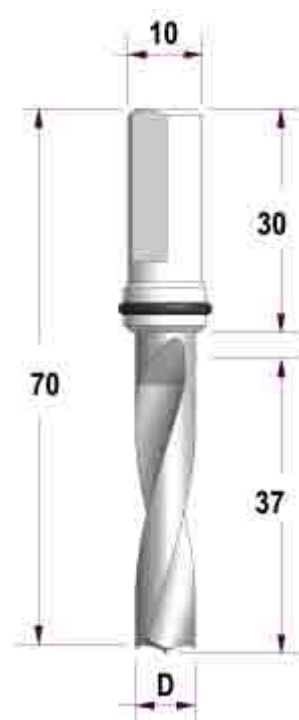
303A

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
					39
303.04 AR	303.04 AL	4	57.5	27	10x30
303.05 AR	303.05 AL	5	57.5	27	10x30
303.06 AR	303.06 AL	6	57.5	27	10x30
303.08 AR	303.08 AL	8	57.5	27	10x30



303B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
303.03 BR	303.03 BL	3	70	35	10x39
303.04 BR	303.04 BL	4	70	35	10x30
303.05 BR	303.05 BL	5	70	35	10x30
303.06 BR	303.06 BL	6	70	35	10x30
303.08 BR	303.08 BL	8	70	35	10x30



Corpo in HW integrale - Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Anello di colore nero per rotazione destra e colore arancio per rotazione sinistra.

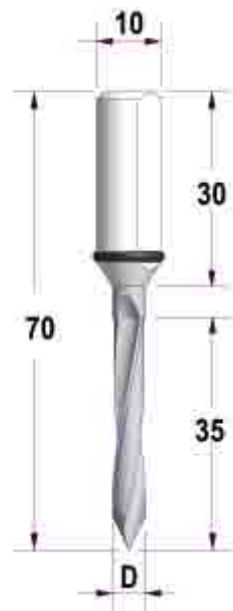
PUNTE SPECIALI PER FORI PASSANTI

HW SPECIAL THROUGH HOLE DRILLS

Body in Hw solid carbide - Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black ring colour for right rotation -orange colour for left rotation.

304

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
304.05 R	304.05 L	5	70	35	10x30
304.06 R	304.06 L	6	70	35	10x30
304.08 R	304.08 L	8	70	35	10x30



304A

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
304.05 AR	304.05 AL	5	77	42	10x30
304.06 AR	304.06 AL	6	77	42	10x30
304.08 AR	304.08 AL	8	77	42	10x30



Corpo in HW integrale - Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Anello di colore nero per rotazione destra e colore arancio per rotazione sinistra.

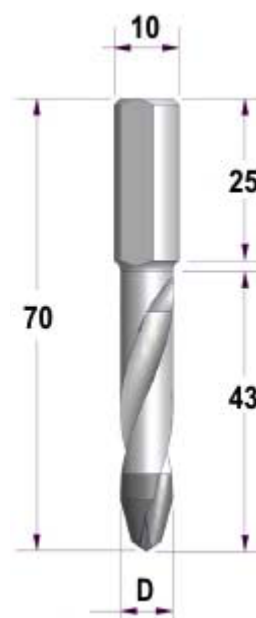
PUNTE SPECIALI PER FORI PASSANTI

HW SPECIAL THROUGH HOLE DRILL BITS

Body in Hw solide carbide - Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black ring colour for right rotation -orange colour for left rotation.

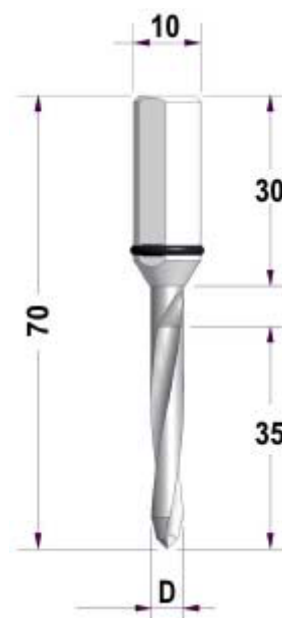
304B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
304.05 BR	304.05 BL	5	70	43	10x25
304.06 BR	304.06 BL	6	70	43	10x25
304.08 BR	304.08 BL	8	70	43	10x25



304C

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
304.05 CR	304.05 CL	5	70	35	10x30
304.06 CR	304.06 CL	6	70	35	10x30
304.08 CR	304.08 CL	8	70	35	10x30



Corpo in HW integrale - Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Anello di colore nero per rotazione destra e colore arancio per rotazione sinistra.

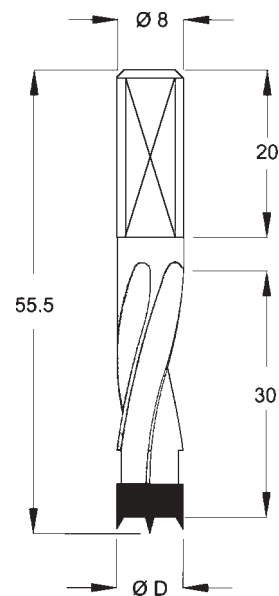
PUNTE PER FORI CIECHI GAMBO 8 mm.

HW SPECIAL DOWELL DRILL BITS

Shank D.8 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

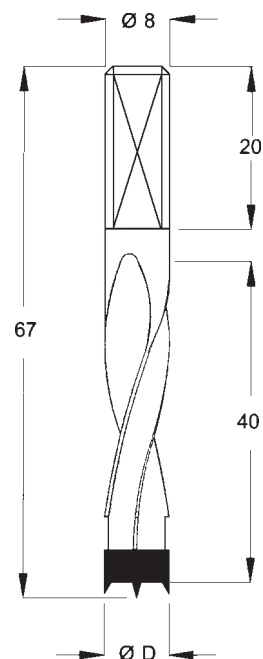
305A

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
305.04AR	305.04AL	4	55.5	30	8X20
305.05AR	305.05AL	5	55.5	30	8X20
305.06AR	305.06AL	6	55.5	30	8X20
305.07AR	305.07AL	7	55.5	30	8X20
305.08AR	305.08AL	8	55.5	30	8X20
305.09AR	305.09AL	9	55.5	30	8X20
305.10AR	305.10AL	10	55.5	30	8X20
305.11AR	305.11AL	11	55.5	30	8X20
305.12AR	305.12AL	12	55.5	30	8X20



305B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
305.04BR	305.04BL	4	67	40	8X20
305.05BR	305.05BL	5	67	40	8X20
305.06BR	305.06BL	6	67	40	8X20
305.07BR	305.07BL	7	67	40	8X20
305.08BR	305.08BL	8	67	40	8X20
305.09BR	305.09BL	9	67	40	8X20
305.10BR	305.10BL	10	67	40	8X20
305.11BR	305.11BL	11	67	40	8X20
305.12BR	305.12BL	12	67	40	8X20



Gambo D.8 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

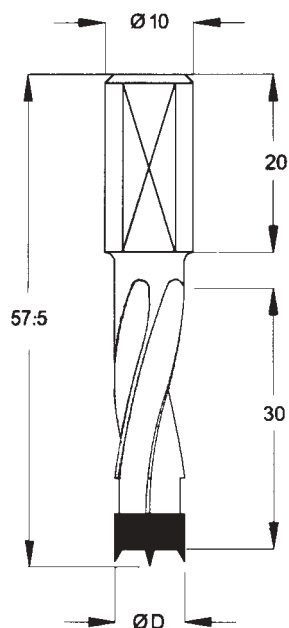
PUNTE PER FORI CIECHI GAMBO 10 mm.

HW SPECIAL DOWELL DRILL BITS

Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action.
Black colour for right rotation -orange colour for left rotation.

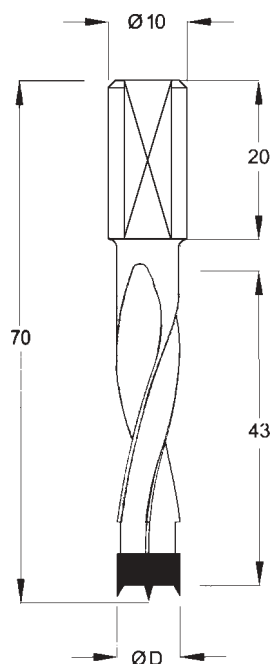
306B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
306.04BR	306.04BL	4	57.5	30	10X20
306.05BR	306.05BL	5	57.5	30	10X20
306.06BR	306.06BL	6	57.5	30	10X20
306.63BR	306.63BL	6.35	57.5	30	10X20
306.07BR	306.07BL	7	57.5	30	10X20
306.08BR	306.08BL	8	57.5	30	10X20
306.09BR	306.09BL	9	57.5	30	10X20
306.95BR	306.95BL	9.5	57.5	30	10X20
306.10BR	306.10BL	10	57.5	30	10X20
306.11BR	306.11BL	11	57.5	30	10X20
306.12BR	306.12BL	12	57.5	30	10X20
306.127BR	306.127BL	12.7	57.5	30	10X20
306.13BR	306.13BL	13	57.5	30	10X20
306.14BR	306.14BL	14	57.5	30	10X20
306.15BR	306.15BL	15	57.5	30	10X20
306.16BR	306.16BL	16	57.5	30	10X20



306C

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
306.04CR	306.04CL	4	70	43	10X20
306.05CR	306.05CL	5	70	43	10X20
306.06CR	306.06CL	6	70	43	10X20
306.63CR	306.63CL	6.35	70	43	10X20
306.07CR	306.07CL	7	70	43	10X20
306.08CR	306.08CL	8	70	43	10X20
306.09CR	306.09CL	9	70	43	10X20
306.95CR	306.95CL	9.5	70	43	10X20
306.10CR	306.10CL	10	70	43	10X20
306.11CR	306.11CL	11	70	43	10X20
306.12CR	306.12CL	12	70	43	10X20
306.127CR	306.127CL	12.7	70	43	10X20
306.13CR	306.13CL	13	70	43	10X20
306.14CR	306.14CL	14	70	43	10X20
306.15CR	306.15CR	15	70	43	10X20
306.16CR	306.16CL	16	70	43	10X20



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa.Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

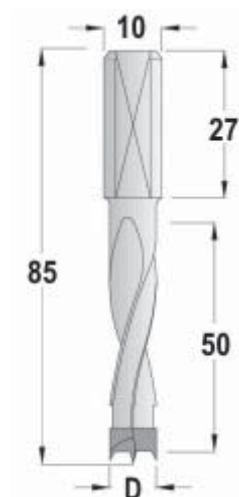
PUNTE LUNGHE PER FORI CIECHI

HW SPECIAL DOWELL DRILL BITS

Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

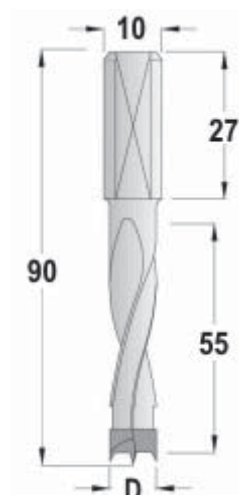
306D

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
306.05DR	306.05DL	5	85	50	10x27
306.06DR	306.06DL	6	85	50	10x27
306.08DR	306.08DL	8	85	50	10x27
306.10DR	306.10DL	10	85	50	10x27
306.12DR	306.12DL	12	85	50	10x27



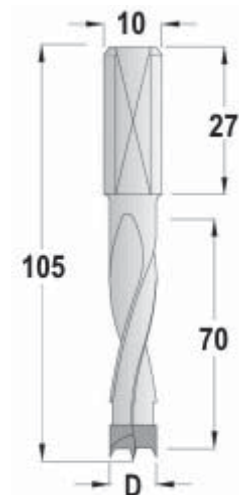
306E

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
306.05ER	306.05EL	5	90	55	10x27
306.06ER	306.06EL	6	90	55	10x27
306.08ER	306.08EL	8	90	55	10x27
306.10ER	306.10EL	10	90	55	10x27
306.12ER	306.12EL	12	90	55	10x27



306F

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
306.05FR	306.05FL	5	105	70	10x27
306.06FR	306.06FL	6	105	70	10x27
306.08FR	306.08FL	8	105	70	10x27
306.10FR	306.10FL	10	105	70	10x27
306.12FR	306.12FL	12	105	70	10x27



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

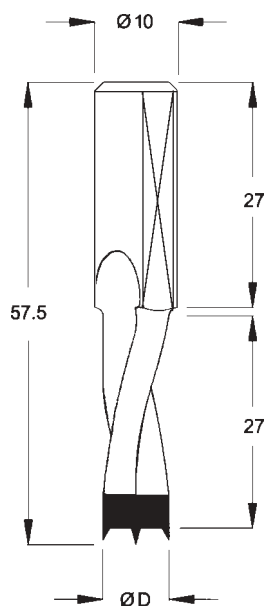
PUNTE PER FORI CIECHI

HW SPECIAL DOWELL DRILL BITS

Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

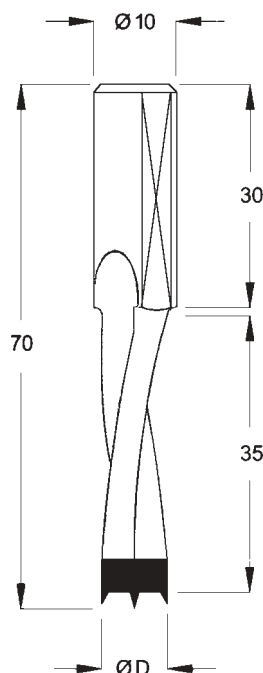
309B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
309.04BR	309.04BL	4	57.5	27	10x27
309.05BR	309.05BL	5	57.5	27	10x27
309.06BR	309.06BL	6	57.5	27	10x27
309.63BR	309.63BL	6.35	57.5	27	10x27
309.07BR	309.07BL	7	57.5	27	10x27
309.08BR	309.08BL	8	57.5	27	10x27
309.09BR	309.09BL	9	57.5	27	10x27
309.95BR	309.95BL	9.5	57.5	27	10x27
309.10BR	309.10BL	10	57.5	27	10x27
309.11BR	309.11BL	11	57.5	27	10x27
309.12BR	309.12BL	12	57.5	27	10x27
309.127BR	309.127BL	12.7	57.5	27	10x27
309.13BR	309.13BL	13	57.5	27	10x27
309.14BR	309.14BL	14	57.5	27	10x27
309.15BR	309.15BL	15	57.5	27	10x27
309.16BR	309.16BL	16	57.5	27	10x27



309C

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
309.04CR	309.04CL	4	70	35	10x30
309.05CR	309.05CL	5	70	35	10x30
309.06CR	309.06CL	6	70	35	10x30
309.63CR	309.63CL	6.35	70	35	10x30
309.07CR	309.07CL	7	70	35	10x30
309.08CR	309.08CL	8	70	35	10x30
309.09CR	309.09CL	9	70	35	10x30
309.95CR	309.95CL	9.5	70	35	10x30
309.10CR	309.10CL	10	70	35	10x30
309.11CR	309.11CL	11	70	35	10x30
309.12CR	309.12CL	12	70	35	10x30
309.127CR	309.127CL	12.7	70	35	10x30
309.13CR	309.13CL	13	70	35	10x30
309.14CR	309.14CL	14	70	35	10x30
309.15CR	309.15CL	15	70	35	10x30
309.16CR	309.16CL	16	70	35	10x30



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

PUNTE PER FORI CIECHI

HW SPECIAL DOWELL DRILL BITS

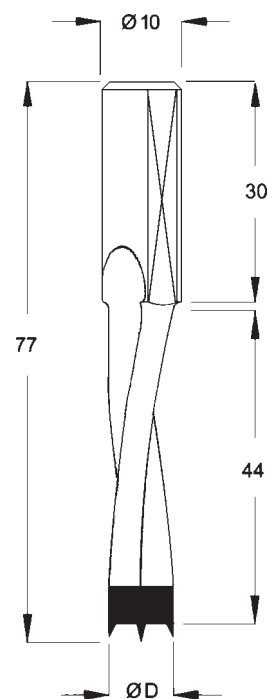
Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

309D

Codice HW - RH	Codice HW - LH	D. mm.	L. mm.	Lu mm.	S x A mm.
309.05DR	309.05DL	5	77	44	10x30
309.06DR	309.06DL	6	77	44	10x30
309.07DR	309.07DL	7	77	44	10x30
309.08DR	309.08DL	8	77	44	10x30
309.09DR	309.09DL	9	77	44	10x30
309.10DR	309.10DL	10	77	44	10x30
309.12DR	309.12DL	12	77	44	10x30



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.



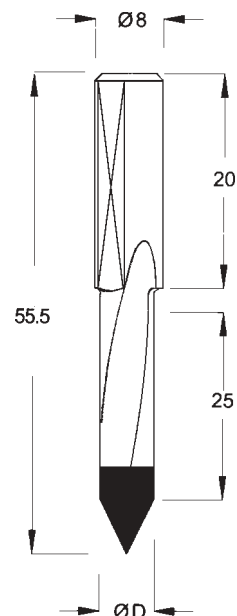
PUNTE PER FORI PASSANTI GAMBO 8 mm.

HW SPECIAL THROUGH HOLE DRILL BITS

Shank D.8 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

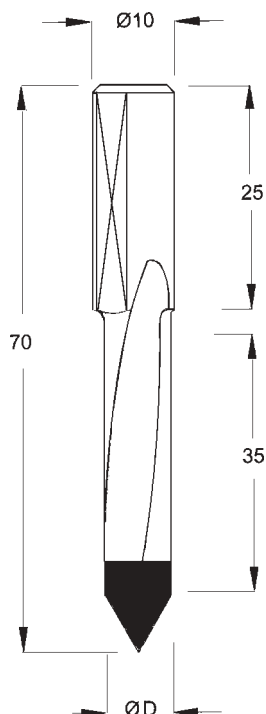
309E

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
309.05ER	309.05EL	5	55.5	25	8x20
309.06ER	309.06EL	6	55.5	25	8x20
309.08ER	309.08EL	8	55.5	25	8x20
309.10ER	309.10EL	10	55.5	25	8x20



309F

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
309.05FR	309.05FL	5	67	35	8x20
309.06FR	309.06FL	6	67	35	8x20
309.08FR	309.08FL	8	67	35	8x20
309.10FR	309.10FL	10	67	35	8x20



Gambo D.8 mm. con piano e vite di regolazione. Incisori ad affilatura negativa.Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

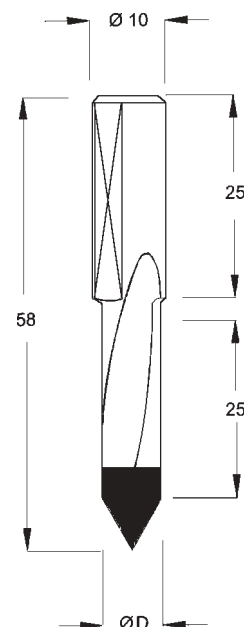
PUNTE PER FORI PASSANTI

HW SPECIAL THROUGH HOLE DRILL BITS

Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

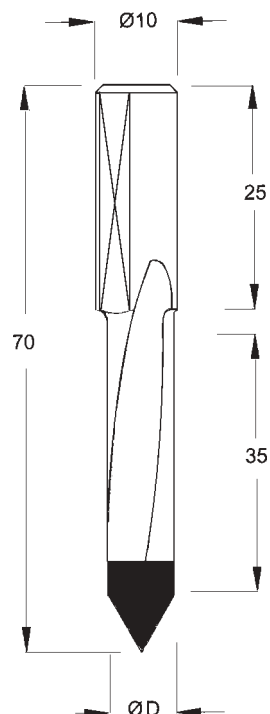
310

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
310.04R	310.04L	4	58	25	10x25
310.05R	310.05L	5	58	25	10x25
310.06R	310.06L	6	58	25	10x25
310.63R	310.63L	6.35	58	25	10x25
310.07R	310.07L	7	58	25	10x25
310.08R	310.08L	8	58	25	10x25
310.09R	310.09L	9	58	25	10x25
310.10R	310.10L	10	58	25	10x25
310.12R	310.12L	12	58	25	10x25



310A

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
310.04AR	310.04AL	4	70	35	10x25
310.05AR	310.05AL	5	70	35	10x25
310.55AR	310.55AL	5.5	70	35	10x25
310.06AR	310.06AL	6	70	35	10x25
310.63AR	310.63AL	6.35	70	35	10x25
310.07AR	310.07AL	7	70	35	10x25
310.08AR	310.08AL	8	70	35	10x25
310.09AR	310.09AL	9	70	35	10x25
310.95AR	310.95AL	9.5	70	35	10x25
310.10AR	310.10AL	10	70	35	10x25
310.11AR	310.11AL	11	70	35	10x25
310.12AR	310.12AL	12	70	35	10x25



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa.Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

PUNTE PER FORI PASSANTI

HW SPECIAL THROUGH HOLE DRILL BITS

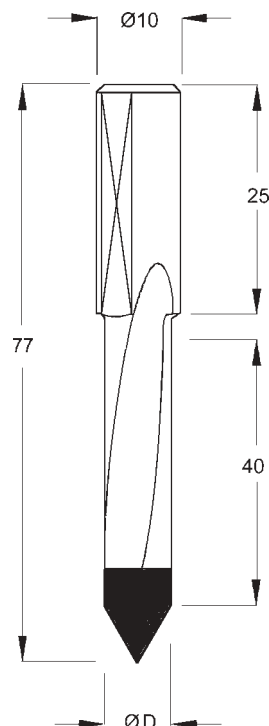
Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

310B

Codice HW - RH	Codice HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
310.05BR	310.05BL	5	77	40	10x25
310.06BR	310.06BL	6	77	40	10x25
310.08BR	310.08BL	8	77	40	10x25
310.10BR	310.10BL	10	77	40	10x25
310.12BR	310.12BL	12	77	40	10x25



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

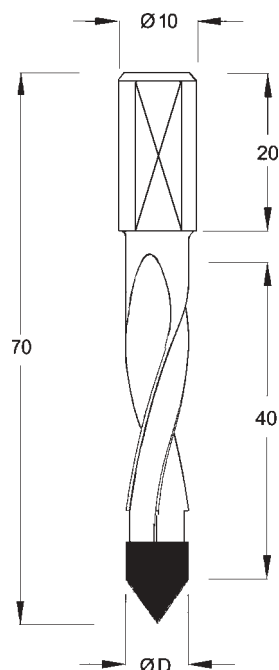


311

Codice dx HW - RH	Codice sx HW -LH	D. mm.	L. mm.	Lu mm.	S x A mm.
311.05R	311.05L	5	70	40	10x20
311.06R	311.06L	6	70	40	10x20
311.63R	311.63L	6.35	70	40	10x20
311.07R	311.07L	7	70	40	10x20
311.08R	311.08L	8	70	40	10x20
311.09R	311.09L	9	70	40	10x20
311.10R	311.10L	10	70	40	10x20
311.11R	311.11L	11	70	40	10x20
311.12R	311.12L	12	70	40	10x20



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.



SVASATORI PER PUNTE IN HW

HW COUNTERSINK FOR DRILL BITS

Art.311S componibili con art.: 305A - 305B - 306D - 306B - 306C - 311- 306F.

Art.311T componibili con art.: 309B - 309C - 310 - 310A - 310B - 309D - 302A - 302B - 303A - 303B

Art.311S for our drills code:305A - 305B - 306D - 306B - 306C - 311- 306F.

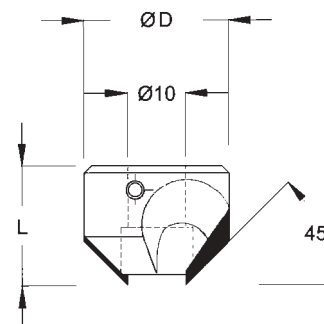
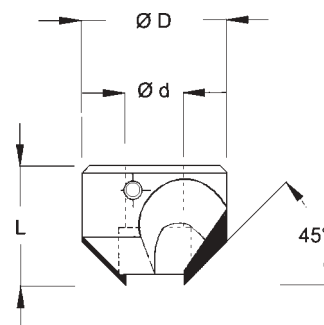
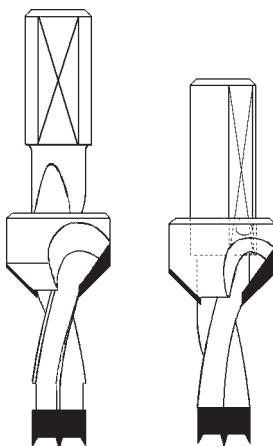
Art.311T for our drills code:309B - 309C - 310 - 310A - 310B - 309D - 302A - 302B - 303A - 303B

311S

Codice HW - RH	Codice HW -LH	d. mm.	L. mm.	D. mm.
311.04SR	311.04SL	4	12	14
311.05SR	311.05SL	5	12	14
311.06SR	311.06SL	6	14	16
311.63SR	311.63SL	6.35	14	16
311.07SR	311.07SL	7	14	16
311.08SR	311.08SL	8	16	16
311.09SR	311.09SL	9	16	18
311.95SR	311.95SL	9.5	16	20
311.10SR	311.10SL	10	18	20
311.11SR	311.11SL	11	18	20
311.12SR	311.12SL	12	18	20

311T

Codice HW - RH	Codice HW -LH	d. mm.	L. mm.	D. mm.
311.T04R	311.T04L	4 -10	15	20
311.T11R	311.T11L	11 -12	16	22



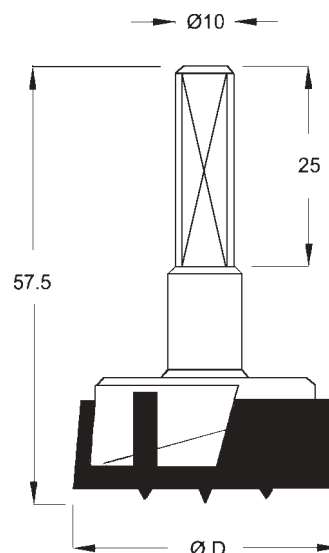
PUNTE PER CERNIERE

HW HINGE BORING BITS

Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

313

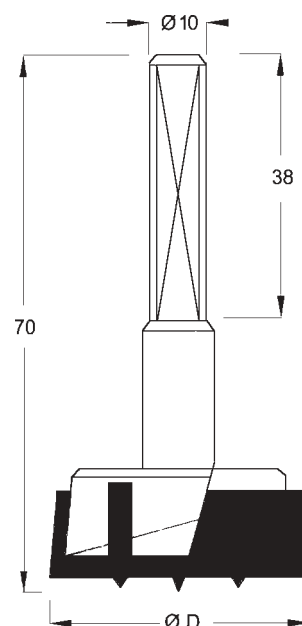
Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
313.15R	313.15L	15	57.5	10x25
313.16R	313.16L	16	57.5	10x25
313.18R	313.18L	18	57.5	10x25
313.19R	313.19L	19	57.5	10x25
313.20R	313.20L	20	57.5	10x25
313.22R	313.22L	22	57.5	10x25
313.24R	313.24L	24	57.5	10x25
313.25R	313.25L	25	57.5	10x25
313.26R	313.26L	26	57.5	10x25
313.28R	313.28L	28	57.5	10x25
313.30R	313.30L	30	57.5	10x25
313.32R	313.32L	32	57.5	10x25
313.34R	313.34L	34	57.5	10x25
313.35R	313.35L	35	57.5	10x25
313.36R	313.36L	36	57.5	10x25
313.38R	313.38L	38	57.5	10x25
313.40R	343.40L	40	57.5	10x25



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

313A

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
313.15AR	313.15AL	15	70	10x38
313.16AR	313.16AL	16	70	10x38
313.20AR	313.20AL	20	70	10x38
313.25AR	313.25AL	25	70	10x38
313.26AR	313.26AL	26	70	10x38
313.30AR	313.30AL	30	70	10x38
313.35AR	313.35AL	35	70	10x38



PUNTE PER CERNIERE CON COLTELLINI

HW HINGE BORING BITS

Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation.

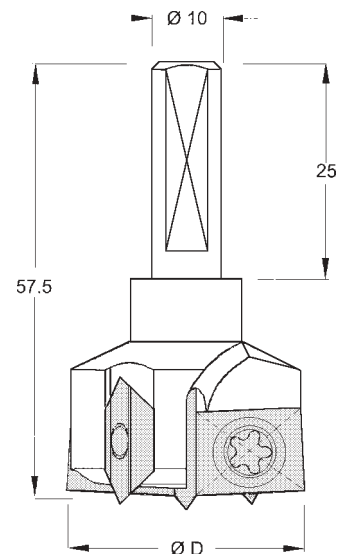
313K

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
K.313.25R	K.313.25L	25	57.5	10x25
K.313.26R	K.313.26L	26	57.5	10x25
K.313.30R	K.313.30L	30	57.5	10x25
K.313.35R	K.313.35L	35	57.5	10x25
K.313.40R	K.313.40L	40	57.5	10x25



Ricambi - Spare parts

313A	18x8x4	Rasante	Scoring knife
313B	10.5x12x1.5	Coltellino	Turnover knife
313C	11x12x1.5	Coltellino	Turnover knife
313D	13x12x1.5	Coltellino	Turnover knife
313E	15.7x12x1.5	Coltellino	Turnover knife
313F	18x12x1.5	Coltellino	Turnover knife
351B	M 4x6	Vite rasante	Screw for scoring knife
351D	M 4x5	Vite coltellino	Screw for turnover knife
351E	M 6x5	Grano punta	Screw for center point
351FR	D.3 x L.50	Punta rot. Dx	Center point RH
351FL	D.3 x L.50	Punta rot. Sx	Center point LH
351A		Chiave	Wrench



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa.Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.

PUNTE HP IN HW INTEGRALE PER CERNIERE

HW SOLID CARBIDE HIGH PERFORMANCE BORING BITS

Shank D.10 mm. with flat and adjusting screw. Solid carbide and very long life.

313W5 - 313W7 - 313W9

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
W5.313.15R	W5.313.15L	15	57.5	10x25
W5.313.35R	W5.313.35L	35	57.5	10x25
W7.313.15R	W7.313.15L	15	70	10x25
W7.313.35R	W7.313.35L	35	70	10x25
W9.313.15R	W9.313.15L	15	90	10x25
W9.313.35R	W9.313.35L	35	90	10x25



Gambo D.10 mm. con piano e vite di regolazione.
Durata e prestazioni eccellenti.

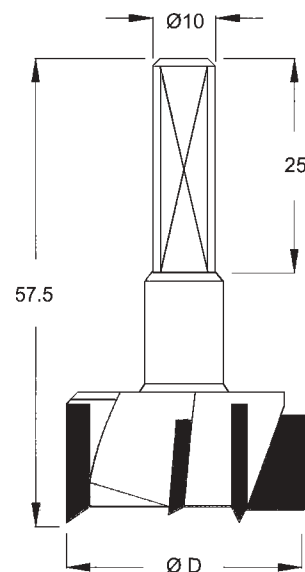
PUNTE SPECIALI PER CERNIERE

HW HINGE BORING BITS

Shank D.10 mm. with flat and adjusting screw.PTFE antiseizure coating.Special chip free negative spurs action. Black colour for right rotation -orange colour for left rotation, with(314) or without (314S) center point. Z 3+V 3

314 con punta di centro

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
314.25R	314.25L	25	57.5	10x25
314.26R	314.26L	26	57.5	10x25
314.30R	314.30L	30	57.5	10x25
314.35R	314.35L	35	57.5	10x25
314.40R	314.40L	40	57.5	10x25



314S senza punta di centro

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
314.25SR	314.25SL	25	57.5	10x25
314.26SR	314.26SL	26	57.5	10x25
314.30SR	314.30SL	30	57.5	10x25
314.35SR	314.35SL	35	57.5	10x25
314.40SR	314.40SL	40	57.5	10x25



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa.Teflonatura di colore nero per rotazione destra e colore arancio per rotazione sinistra.Con o senza punta di centro. Z 3 + V 3

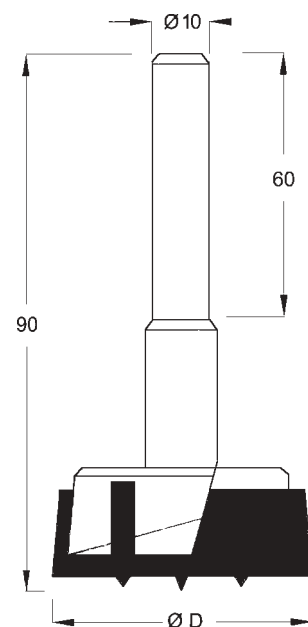
PUNTE PER CERNIERE

HW HINGE BORING BITS

Shank D.10 mm. with flat and adjusting screw. PTFE antiseizure coating. Special chip free negative spurs action. Black colour for right rotation. Z2 + V2

314 T

Codice Hw Rh	Codice Hw Lh	D. mm.	L. mm.	SxA mm.
314.15TR		15	90	10x60
314.16TR		16	90	10x60
314.18TR		18	90	10x60
314.20TR		20	90	10x60
314.22TR		22	90	10x60
314.24TR		24	90	10x60
314.25TR		25	90	10x60
314.26TR		26	90	10x60
314.28TR		28	90	10x60
314.30TR		30	90	10x60
314.32TR		32	90	10x60
314.34TR		34	90	10x60
314.35TR		35	90	10x60
314.36TR		36	90	10x60
314.38TR		38	90	10x60
314.40TR		40	90	10x60



Gambo D.10 mm. con piano e vite di regolazione. Incisori ad affilatura negativa. Teflonatura di colore nero per rotazione destra. Z2 + V2

MANDRINI PER PUNTE FORATRICI

DRILL HOLDER

315 - M8

Codice Hw Rh	Codice Hw Lh	d. mm.	L. mm.	
315AR	315AL	8	40	M8x1,5
315BR	315BL	10	40	M8x1,5



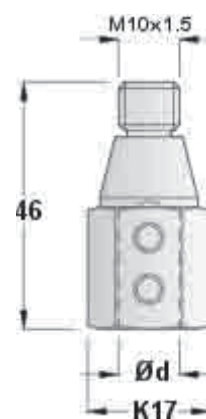
315 - M10

Codice Hw Rh	Codice Hw Lh	d. mm.	L. mm.	
315CR	315CL	8	40	M10x1,5
315DR	315DL	10	40	M10x1,5



316 - M10

Codice Hw Rh	Codice Hw Lh	d. mm.	L. mm.	
316AR	316AL	8	40	M10x1,5
316BR	316BL	10	40	M10x1,5

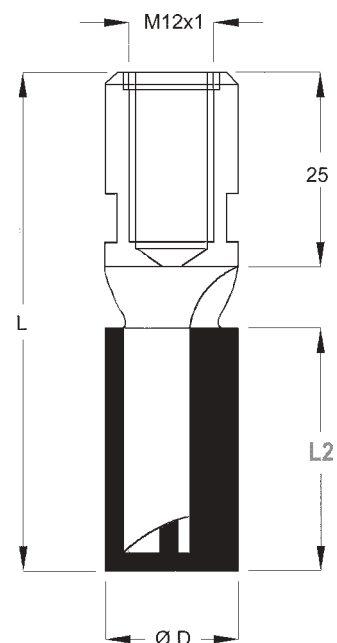


PUNTE PER PANTOGRAFO

GROOVING CUTTERS, CARBIDE TIPPED

321

Codice HW - RH	D. mm.	L2 mm.	L mm.	d.i mm.	Z
321.08	8	25	60	M12x1	2+1
321.10	10	25	60	M12x1	2+1
321.12	12	25	60	M12x1	2+1
321.14	14	25	60	M12x1	2+1
321.15	15	25	60	M12x1	2+1
321.16	16	25	60	M12x1	2+1
321.18	18	25	60	M12x1	2+1
321.20	20	25	60	M12x1	2+1
321.22	22	25	60	M12x1	2+1
321.24	24	25	60	M12x1	2+1
321.25	25	25	60	M12x1	2+1
321.26	26	25	60	M12x1	2+1
321.28	28	25	60	M12x1	2+1
321.30	30	25	60	M12x1	2+1
321.35	35	25	60	M12x1	2+1
321.08A	8	30	65	M12x1	2+1
321.10A	10	35	68	M12x1	2+1
321.10B	10	40	73	M12x1	2+1
321.12A	12	40	73	M12x1	2+1
321.14A	14	40	73	M12x1	2+1
321.15A	15	40	73	M12x1	2+1
321.16A	16	40	73	M12x1	2+1
321.18A	18	40	73	M12x1	2+1
321.20A	20	40	73	M12x1	2+1
321.22A	22	40	73	M12x1	2+1
321.24A	24	40	73	M12x1	2+1
321.25A	25	40	73	M12x1	2+1

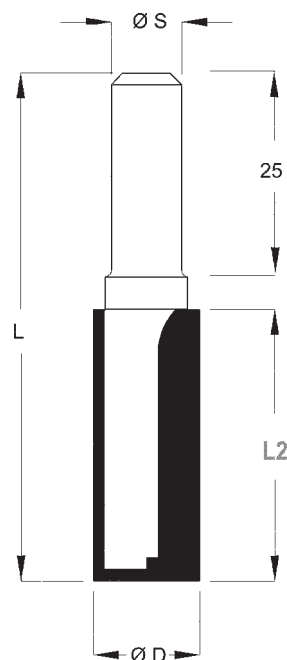


PUNTE PER PANTOGRAFO

GROOVING CUTTERS, CARBIDE TIPPED

337

Codice Hw Rh	D. mm.	L2 mm.	L mm.	SxA mm.	Z mm.
337.08A	8	25	58	9.5x25	2+1
337.10A	10	25	58	9.5x25	2+1
337.12	12	25	58	12x25	2+1
337.14	14	25	58	12x25	2+1
337.15	15	25	58	12x25	2+1
337.16	16	25	58	12x25	2+1
337.18	18	25	58	12x25	2+1
337.20	20	25	58	12x25	2+1
337.22	22	25	58	12x25	2+1
337.24	24	25	58	12x25	2+1
337.25	25	25	58	12x25	2+1
337.26	26	25	58	12x25	2+1
337.28	28	25	58	12x25	2+1
337.30	30	25	58	12x25	2+1
337.35	35	25	58	12x25	2+1
337.08B	8	30	63	9.5x25	2+1
337.10B	10	30	63	9.5x25	2+1
337.10C	10	35	68	9.5x25	2+1
337.10D	10	40	73	9.5x25	2+1
337.12A	12	40	73	12x25	2+1
337.14A	14	40	73	12x25	2+1
337.15A	15	40	73	12x25	2+1
337.16A	16	40	73	12x25	2+1
337.18A	18	40	73	12x25	2+1
337.20A	20	40	73	12x25	2+1
337.22A	22	40	73	12x25	2+1
337.24A	24	40	73	12x25	2+1
337.25A	25	40	73	12x25	2+1
337.26A	26	40	73	12x25	2+1
337.28A	28	40	73	12x25	2+1
337.30A	30	40	73	12x25	2+1
337.35A	35	40	73	12x25	2+1

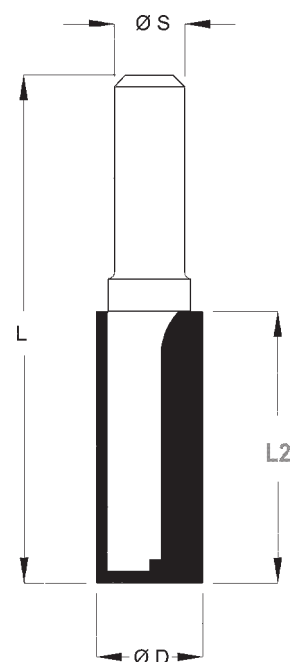


PUNTE PER PANTOGRAFO

GROOVING CUTTERS, CARBIDE TIPPED

338

Codice Hw Rh	D. mm.	L2 mm.	L mm.	SxA mm.	Z mm.
338.04*	4	10	65	10	2+1
338.05*	5	10	65	10	2+1
338.06*	6	14	65	10	2+1
* punte HW integrali - *solid carbide					
338.08	8	25	70	10	2+1
338.10	10	25	70	10	2+1
338.12	12	25	70	10	2+1
338.14	14	25	70	10	2+1
338.15	15	25	70	10	2+1
338.16	16	25	70	10	2+1
338.18	18	25	70	10	2+1
338.20	20	25	70	10	2+1
338.22	22	25	70	10	2+1
338.24	24	25	70	10	2+1
338.25	25	25	70	10	2+1
338.26	26	25	70	10	2+1
338.30	30	25	70	10	2+1
338.35	35	25	70	10	2+1



339

Codice Hw Rh	D. mm.	L2 mm.	L1 mm.	SxA mm.	Z mm.
339.10	10	40	87	10	2+1
339.12	12	40	87	10	2+1
339.14	14	40	87	10	2+1
339.15	15	40	87	10	2+1
339.16	16	40	87	10	2+1
339.18	18	40	87	10	2+1
339.20	20	40	87	10	2+1



338



339

RIFILATORI CON COLTELLINI REVERSIBILI IN HW

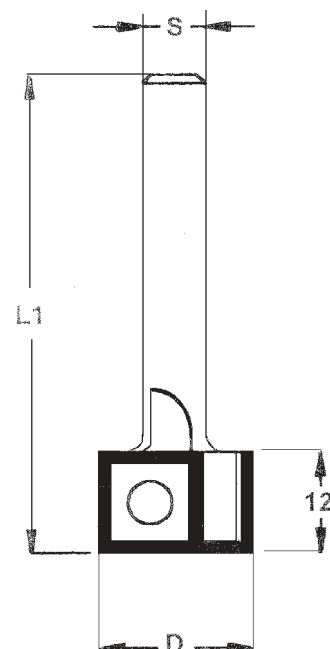
SHANK-TYPE EDGE TRIMMING CUTTERS WITH TC TOK

345

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
345.6	19	45	12	6	2
345.6A	19	45	12	6.35	2
345.8	19	54	12	8	2

Ricambi - Spare parts

000/183	12x12x1.5	Coltellino	Turnover knife
V4A	M4x6	Vite	Screw
T5	Torx	Chiave T5	Wrench T5

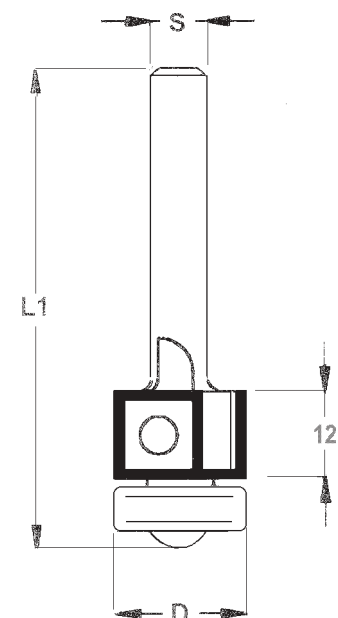


346

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
346.6	19	55	12	6	2
346.6A	19	55	12	6.35	2
346.8	19	70	12	8	2
346.12	19	70	12	12	2

Ricambi - Spare parts

000/183	12x12x1.5	Coltellino	Turnover knife
V4A	M4x6	Vite	Screw
BB 19	19x6x6	Cuscinetto	Ball-bearing
V4C	M3x10	Vite	Screw
T5	Torx	Chiave T5	Wrench T5

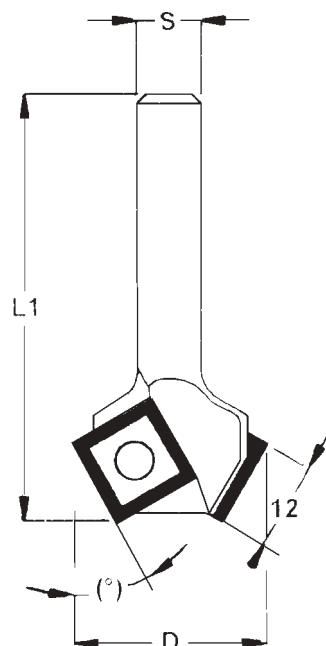


RIFILATORI CON COLTELLINI REVERSIBILI IN HW

SHANK-TYPE EDGE TRIMMING CUTTERS

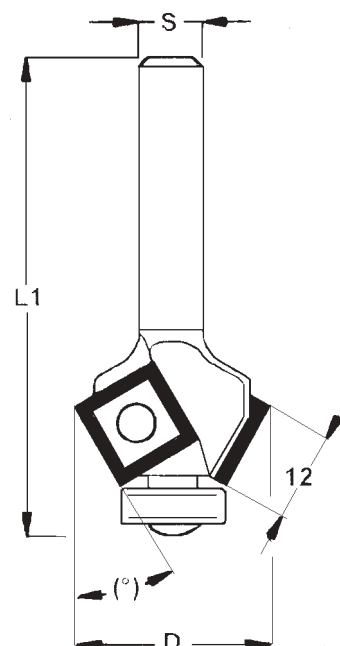
347

Codice HW	D. mm.	L1 mm.	L2 mm.	Angolo (°)	S mm.	Z
347.24	24	45	12	22°	6	2
347.24A	24	45	12	22°	6.35	2
347.24B	24	55	12	22°	8	2
347.26	26	45	12	30°	6	2
347.26A	26	45	12	30°	6.35	2
347.26B	26	55	12	30°	8	2
347.29	29	45	12	45°	6	2
347.29A	29	45	12	45°	6.35	2
347.29B	29	55	12	45°	8	2



348

Codice HW	D. mm.	L1 mm.	L2 mm.	Angolo (°)	S mm.	Z
348.24	24	55	12	22°	6	2
348.24A	24	55	12	22°	6.35	2
348.24B	24	70	12	22°	8	2
348.26	26	55	12	30°	6	2
348.26A	26	55	12	30°	6.35	2
348.26B	26	70	12	30°	8	2
348.29	29	55	12	45°	6	2
348.29A	29	55	12	45°	6.35	2
348.29B	29	70	12	45°	8	2



Ricambi - Spare parts

x art. 347 - 348

000/183 12x12x1.5 Coltellino Turnover knife
V4A M4x6 Vite Screw

x art. 348

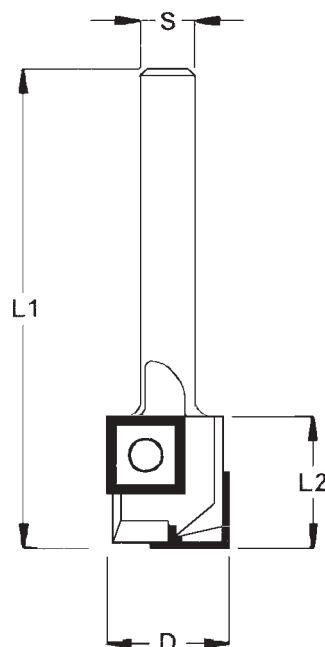
BB 19 19x6x6 Cuscinetto Ball-bearing
V3C M3x10 Vite Screw
T5 Torx Chiave T5 Wrench T5

RIFILATORI CON COLTELLINI REVERSIBILI IN HW

SHANK-TYPE EDGE TRIMMING CUTTERS

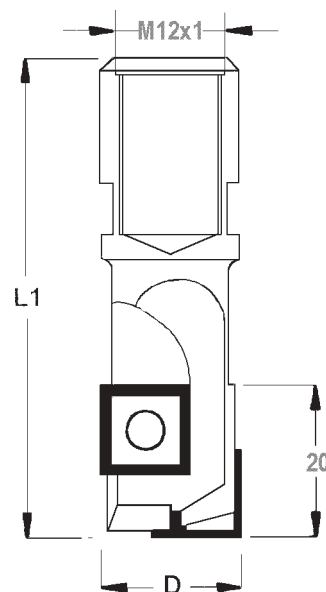
349

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
349.15	15	50	20	6	2+1
349.15B	15	70	20	8	2+1
349.15D	15	70	20	12	2+1
349.16	16	50	20	6	2+1
349.16B	16	70	20	8	2+1
349.16D	16	70	20	12	2+1
349.18	18	50	20	6	2+1
349.18B	18	70	20	8	2+1
349.18D	18	70	20	12	2+1
349.20	20	50	20	6	2+1
349.20B	20	70	20	8	2+1
349.20D	20	70	20	12	2+1
349.22	22	50	20	6	2+1
349.22B	22	70	20	8	2+1
349.22D	22	70	20	12	2+1



350

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
350.15	15	65	20	M12	2+1
350.16	16	65	20	M12	2+1
350.18	18	65	20	M12	2+1
350.20	20	65	20	M12	2+1
350.22	22	65	20	M12	2+1



Ricambi - Spare parts

art. 349 - 350

000/183

12x12x1.5

Coltellino

Turnover knife

V4A

M4x6

Vite

Screw

T5

Torx

Chiave T5

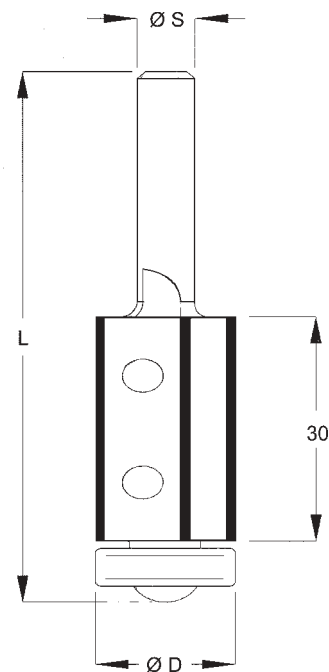
Wrench T5

RIFILATORI CON COLTELLINI REVERSIBILI IN HW

SHANK-TYPE EDGE TRIMMING CUTTERS

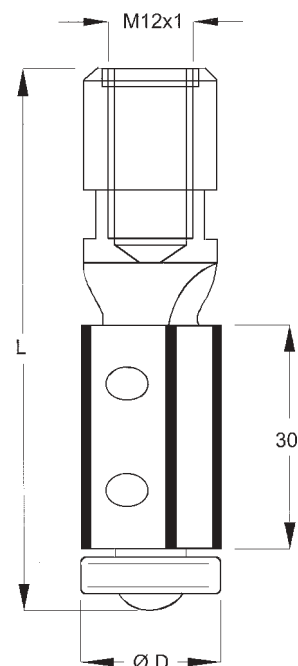
351

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
351.1960	19	75	30	6	2
351.1963	19	75	30	6.35	2
351.1980	19	90	30	8	2
351.1912	19	90	30	12	2



352

Codice HW	D. mm.	L1 mm.	L2 mm.	S mm.	Z
352.19	19	75	30	M12x1	2



Ricambi - Spare parts

art. 351 - 352

000/186	30x12x1.5	Coltellino	Turnover knife
V4A	M4x6	Vite	Screw
BB 19	19x6x6	Cuscinetto	Ball-bearing
V4C	M4x6	Vite	Screw
T5	Torx	Chiave T5	Wrench T5

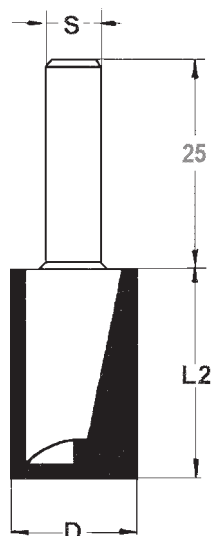
FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS

353

Codice HW	D. mm.	L2. mm.	S x A mm.	Z
353 H 03	3	8	6-8x25	2+1
353 H 04	4	10	6-8x25	2+1
353 H 05	5	15	6-8x25	2+1
353 H 06	6	18	6-8x25	2+1

353 H 08	8	20	6-8x25	2+1
353 H 08A	8	30	6-8x25	2+1
353 H 09	9	20	6-8x25	2+1
353 H 10	10	20	6-8x25	2+1
353 H 10A	10	30	6-8x25	2+1
353 H 11	11	20	6-8x25	2+1
353 H 12	12	20	6-8x25	2+1
353 H 12A	12	30	6-8x25	2+1
353 H 13	13	20	6-8x25	2+1
353 H 14	14	20	6-8x25	2+1
353 H 15	15	20	6-8x25	2+1
353 H 16	16	20	6-8x25	2+1
353 H 18	18	20	6-8x25	2+1
353 H 20	20	20	6-8x25	2+1
353 H 22	22	20	6-8x25	2+1
353 H 24	24	20	6-8x25	2+1
353 H 25	25	20	6-8x25	2+1



D.3-4-5-6 mm. HW integrale - D.3-4-5-6 mm.Solid carbide

GAMBO 6/8 mm. - SHANK 6-8 mm.

356

Codice HW	D. mm.	L2. mm.	S x A mm.	Z
356 H 09	9,5	13	6-8x25	2
356 H 13	13	15	6-8x25	2
356 H 19	19	15	6-8x25	2

GAMBO 6/8 mm. - SHANK 6-8 mm.

Ricambi - spare parts

Viti - Screws

V3C - M3x10 svasato

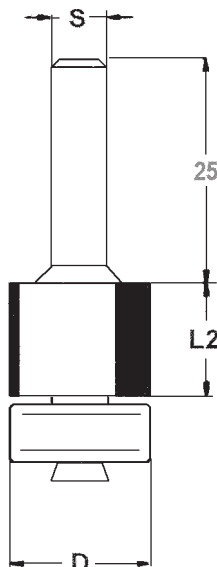
V3D - M3x10

Cuscinetti - Ball-bearing:

BB09 - per art. 356H09 - 9,52x3,96x3,17

BB13 - per art. 356H13 - 13x4x5

BB19 - per art. 356H19 - 19x6x6



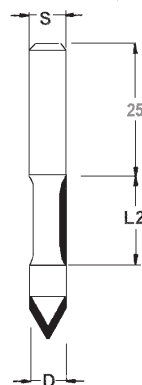
FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS

357

Codice HW	D. mm	L2. mm	S x A mm	Z
357 H 6	6	18	6x25	2
357 H 8	8	18	8x25	2

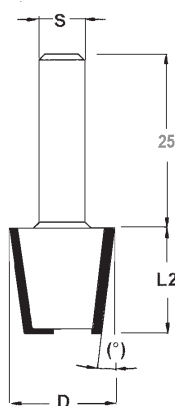
GAMBO 6-8 mm. - SHANK 6-8 mm.



359

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm	Z
359 H 11	11	18	5°	6-8x25	2

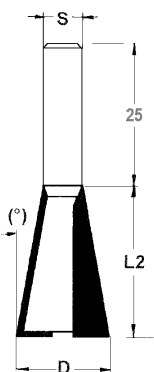
GAMBO 6-8 mm. - SHANK 6-8 mm.



360

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm	Z
360 H 08	8	12	10°	6-8x25	2
360 H 11	11	14	10°	6-8x25	2
360 H 14	14	18	10°	6-8x25	2

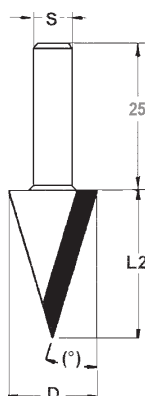
GAMBO 6-8 mm. - SHANK 6-8 mm.



361

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm	Z
361H	15	15	22°	6-8x25	1

GAMBO 6-8 mm. - SHANK 6-8 mm.



FRESE PER ELETTROFRESATRICI PORTATILI

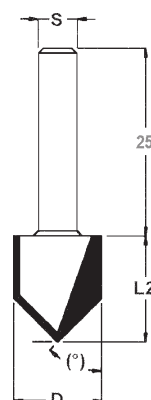
ROUTER BITS FOR ELECTRIC ROUTERS

362

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
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362 H 19 18 45° 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.



363

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
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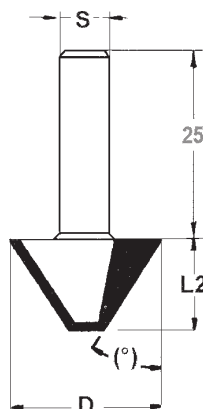
363 H 10 24 14 10° 6-8x25 2

363 H 15 24 14 15° 6-8x25 2

363 H 30 24 12 30° 6-8x25 2

363 H 45 24 9 45° 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.



365

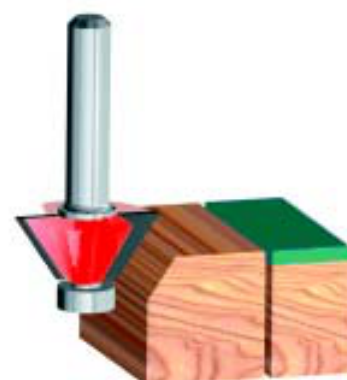
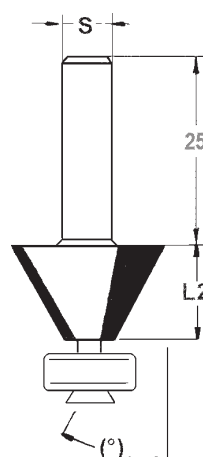
Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
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365 H 19 19 13 15° 6-8x25 2

365 H 22 22 12 25° 6-8x25 2

365 H 32 32 11 45° 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.



Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB13 - 13x4x5

Viti - Screws

V4D - M3x10 tipo D

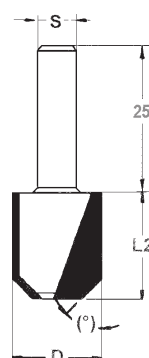
FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS

366

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
366 H 22	12	12	22°	6-8x25	2
366 H 30	12	12	30°	6-8x25	2
366 H 45	12	12	45°	6-8x25	2

GAMBO 6-8 mm. - SHANK 6-8 mm.



367

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
367 H	19-26	15	0-45°	6-8x25	2

GAMBO 6-8 mm. - SHANK 6-8 mm.

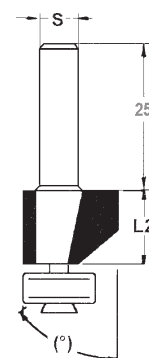
Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB19 - 19x6x6

Viti - Screws -

V4C - M3x10 tipo C svasata



368

Codice HW	D. mm	L2. mm	Angolo (°)	S x A mm.	Z
368 H	28	15	45°	6-8x25	2

GAMBO 6-8 mm. - SHANK 6-8 mm.

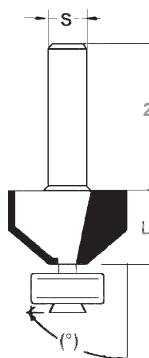
Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB16 - 16x5x5

Viti - Screws -

V4C - M4x12 tipo C svasata



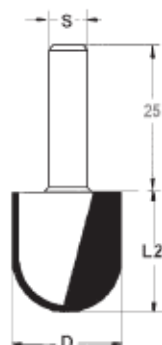
FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS

369

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
369 H 06	3	6	12	6-8x25	2
369 H 08	4	8	14	6-8x25	2
369 H 10	5	10	15	6-8x25	2
369 H 12	6	12	16	6-8x25	2
369 H 14	7	14	16	6-8x25	2
369 H 16	8	16	16	6-8x25	2
369 H 20	10	20	20	6-8x25	2

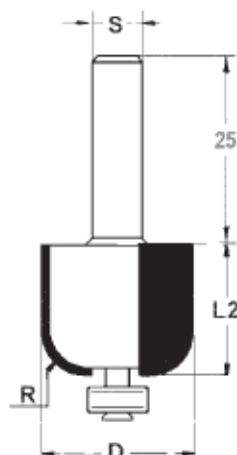
GAMBO 6-8 mm. - SHANK 6-8 mm.



371

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
371 H 21	4	21	18	6-8x25	2
371 H 23	5	23	18	6-8x25	2
371 H 25	6	25	18	6-8x25	2
371 H 29	8	29	18	6-8x25	2
371 H 33	10	33	18	6-8x25	2

GAMBO 6-8 mm. - SHANK 6-8 mm.



Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB13 - 13x4x5

Viti - Screws -

V4D - M3x10

372

Codice HW	R mm	D. mm	L2. mm	SxA mm	Z
372 H 03	3	19	12	6-8x25	2
372 H 04	4	22	16	6-8x25	2
372 H 05	5	25	19	6-8x25	2
372 H 06	6	28	22	6-8x25	2
372 H 08	8	31	25	6-8x25	2
372 H 10	10	35	30	6-8x25	2

GAMBO 6-8 mm. - SHANK 6-8 mm.

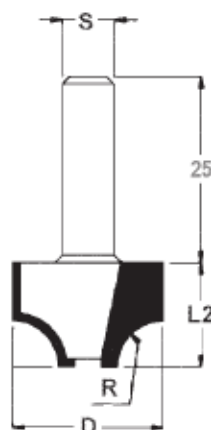


FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS - GAMBO 6-8 mm. - SHANK 6-8 mm.

373

Codice HW	R mm.	D. mm.	L2. mm.	SxA mm.	Z
373 H 03	3	12	7	6-8x25	2
373 H 04	4	14	9	6-8x25	2
373 H 05	5	16	11	6-8x25	2
373 H 06	6	18	13	6-8x25	2
373 H 08	8	22	15	6-8x25	2
373 H 10	10	26	17	6-8x25	2



374

Codice HW	R mm.	D. mm.	L2. mm.	SxA mm.	Z
374 H 03	3	19	8	6-8x25	2
374 H 04	4	22	10	6-8x25	2
374 H 05	5	24	12	6-8x25	2
374 H 06	6	26	13	6-8x25	2
374 H 08	8	30	15	6-8x25	2
374 H 10	10	34	17	6-8x25	2
374 H 12	12	38	19	6-8x25	2



Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB13 - 13x4x5

Viti - Screws -

V4D - M3x10

375

Codice HW	R mm.	D. mm.	L2. mm.	SxA mm.	Z
375 H 03	3	19	8	6-8x25	2
375 H 04	4	22	10	6-8x25	2
375 H 05	5	24	12	6-8x25	2
375 H 06	6	26	13	6-8x25	2
375 H 08	8	30	15	6-8x25	2
375 H 10	10	34	17	6-8x25	2
375 H 12	12	38	19	6-8x25	2



Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB10 - 10x4x5

Viti - Screws -

V4D - M3x10

FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS - GAMBO 6-8 mm. - SHANK 6-8 mm.

378

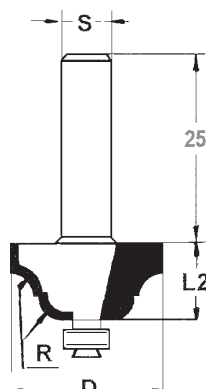
Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
378 H 4	4-4	29	13	6-8x25	2
378 H 6.3	6.3-6.3	38	18	6-8x25	2

Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB10 - 10x4x4

Viti - Screws - V4D - M3x10



379

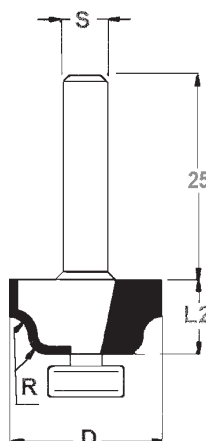
Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
379 H 4	4-4	25.5	12	6-8x25	2
379 H 4.8	4.8-4.8	28.5	14.5	6-8x25	2
379 H 6.4	6.4-6.4	35	17.5	6-8x25	2

Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB10 - 10x4x4

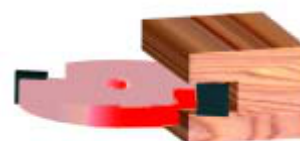
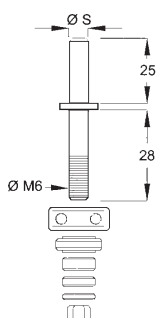
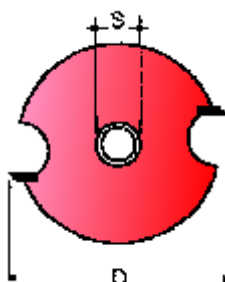
Viti - Screws - V4D - M3x10



380 - 381

Codice HW	D. mm.	H. mm.	Z
380 H 1.5	40	1.5	2
380 H 1.8	40	1.8	2
380 H 2	40	2	2
380 H 2.2	40	2.2	2
380 H 2.5	40	2.5	2
380 H 2.8	40	2.8	2
380 H 3	40	3	2
380 H 3.2	40	3.2	2
380 H 3.5	40	3.5	2
380 H 4	40	4	2
380 H 5	40	5	2
380 H 6	40	6	2

381 albero - arbor S=6-8 mm.



FRESE PER ELETTROFRESATRICI PORTATILI

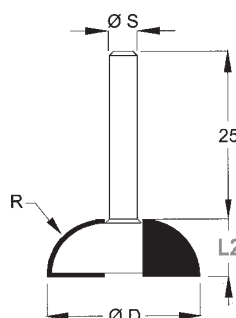
F ROUTER BITS FOR ELECTRIC ROUTERS

382

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
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382 H 10 25 12 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.

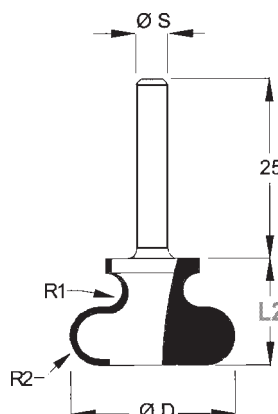


383

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
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383 H 8-4 44 25 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.



384

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
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384 H 25 41 14 6-8x25 2

GAMBO 6-8 mm. - SHANK 6-8 mm.

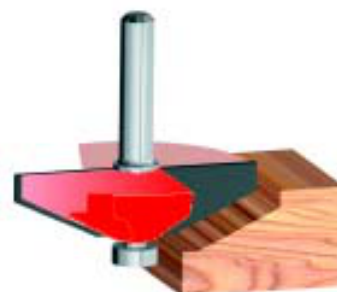
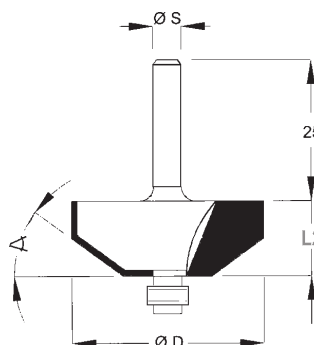
Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB10 - 10x4x4

Viti - Screws -

V4D - M3x10



FRESE PER ELETTROFRESATRICI PORTATILI

ROUTER BITS FOR ELECTRIC ROUTERS - GAMBO 6/8 mm. - SHANK 6/8 mm.

385

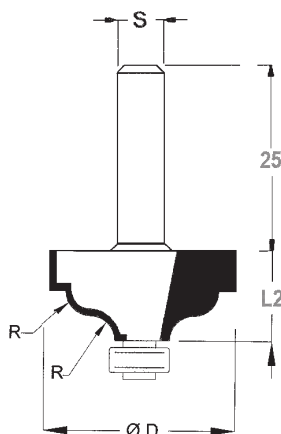
Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
385 H 4	4	29	13	6-8x25	2
385 H 6	6	37	18	6-8x25	2

Ricambi - spare parts

Cuscinetti - Ball-bearing:

BB13 - 13x4x5

Viti - Screws - V4D - M3x10 tipo D



386

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
386 H 4	4	29	13	6-8x25	2
386 H 6	6	37	16	6-8x25	2

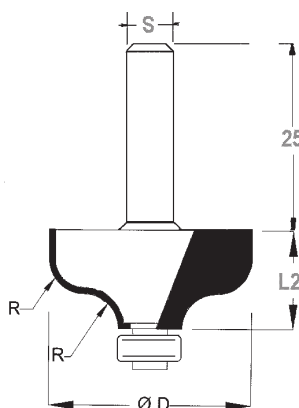
Ricambi - spare parts

Cuscinetto - Ball-bearing:

BB13 - 13x4x5

Viti - Screws -

V4D - M3x10 tipo D



387

Codice HW	R mm	D. mm	L2. mm	S x A mm	Z
387 H 4	4	29	15	6-8x25	2
387 H 6	6	37	18	6-8x25	2

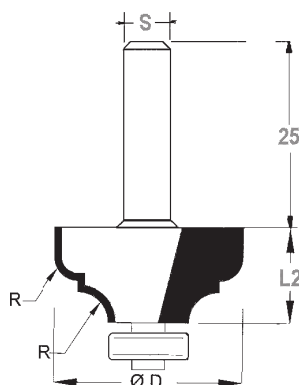
Ricambi- spare parts

Cuscinetti - Ball-bearing:

BB13 - 13x4x5

Viti - Screws -

V4D - M3x10 tipo D





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