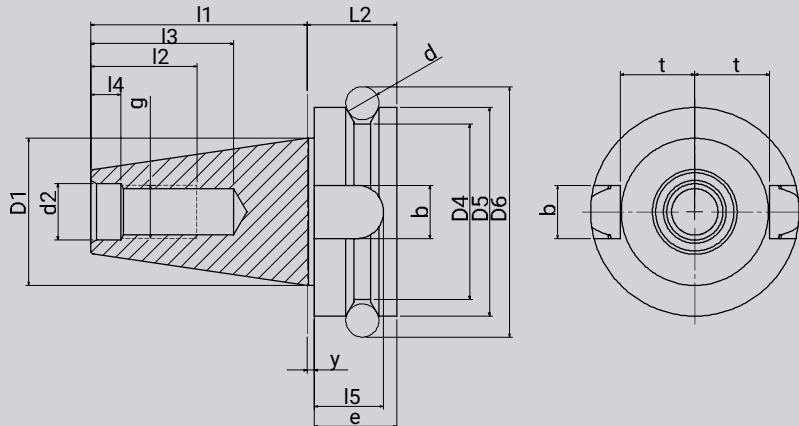


MAS 403 BT

PORATAUTENSILI CON ATTACCO MAS 403 BT
 TOOLHOLDERS MAS 403 BT
 WERKZEUGAUFNAHMEN MAS 403 BT
 PORTE-Outils MAS 403 BT

MAS 403 BT
 MAS 403 BT AD
 MAS 403 BT AD/B

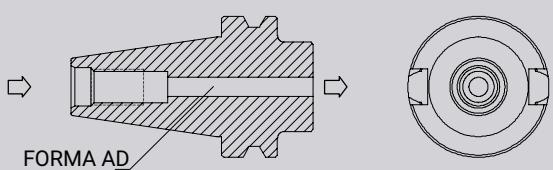
MAS 403 BT



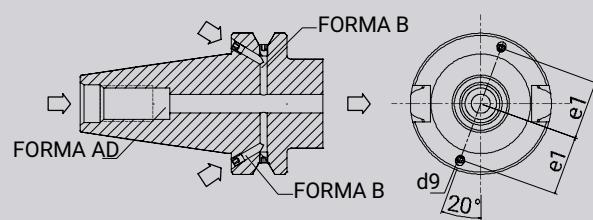
CONO	D1	$l1 \pm 0,2$	L2	d2 H8	g 6H	$l2 \text{ min}$	$l3 \text{ min}$	$l4 +0,5/0$	b H12	$l5 \text{ min}$
30	31,75	48,4	22	12,5	M12	24	34	7	16,1	17
40	44,45	65,4	27	17,0	M16	30	43	9	16,1	21
50	69,85	101,8	38	25,0	M24	45	62	13	25,7	31

CONO	$t 0/-0,2$	D4	D5 h8	D6	e	$y \pm 0,4$	d9	$e1 \pm 0,1$	d
30	16,3	38	46	56,14	20	2	4	19	8
40	22,6	53	63	75,679	25	2	4	27	10
50	35,4	85	100	119,02	35	3	5	42	15

MAS 403 BT AD



MAS 403 BT AD/B



Tutti i mandrini portautensili PAGNONI TOOLS vengono prodotti secondo le normative DIN
 All PAGNONI TOOLS toolholders are manufactured according to DIN norms
 Alle PAGNONI TOOLS Aufnahme sind nach DIN Norm produziert
 Tous les mandrins porte-outils PAGNONI TOOLS sont produits suivant les spécifications DIN

DATI TECNICI

TOLLERANZA DEL CONO:

- < AT3 secondo DIN 7187 e DIN 2080

PRE-BILANCIATI:

- Grado di equilibratura aggiuntiva indicato a fianco della tabella dimensionale
- Mandrini alte velocità: a richiesta classe massima di equilibratura G 2,5 30000

FORMA AD - AD/B

MATERIALI E TRATTAMENTI:

- Acciaio da cementazione legato
- Temprati-rinvenuti
- HRC 58 ±2 – profondità si indurimento 0,4-0,5 mm
- Resistenza 800-1000 N/mm²
- Bruniti dopo trattamento termico
- Rettificati internamente e esternamente

TECHNISCHE DATEN

AUFNAHME GENAUIGKEIT:

- < AT3 nach DIN 7187 und DIN 2080

VORGEWUCHTET:

- Neben der Übersichtstabelle der Produkte wird die Wuchtgüte angegeben
- Hochgeschwindigkeits Werkzeughalter: Aus Wuchtgüte G2,5 30000 auf Anfrage

FORM AD - AD/B

WERKSTOFF UND OBERFLÄCHENBEHANDLUNGEN:

- Legierter Einsatzstahl
- Gehärtet und angelassen
- Einsatzgehärtet HRC 58 ± 2, Härtetiefe 0,4-0,5 mm
- Festigkeit 800-1000 N/mm²
- Brüniert nach wärmebehandlung
- Innen- und Außenschleifen

TECHNICAL FEATURES

TAPER'S TOLLERANCE:

- < AT3 according to DIN 7187 and DIN 2080

PRE-BALANCED:

- Additional balancing grade beside dimensional table
- High-speed toolholders: balancing grade G 2,5 30000 on request

FORM AD - AD/B

MATERIAL AND SURFACE TREATMENTS:

- Alloyed case-hardened steel
- Hardened-tempered
- Case hardened HRC 58 ± 2 - hardening depth 0,4-0,5 mm
- Strength 800-1000 N/mm²
- Black-finished after hardened
- Internal and external grinding

DONNE TECNIQUES

PRECISION:

- Precision du cône < AT3 selon DIN 7187 et DIN 2080

PRÉ-ÉQUILIBRÉ:

- À côté du tableau de description et dimensions des produits il y a l'indication de la valeur d'équilibrage attitionnel
- Mandrins haute vitesse : sont équilibrés en calsse G 2,5 à 30000 Tr/min-1 classe d'équilibrage maximale G 2,5 à 30000 Tr/min sur demande

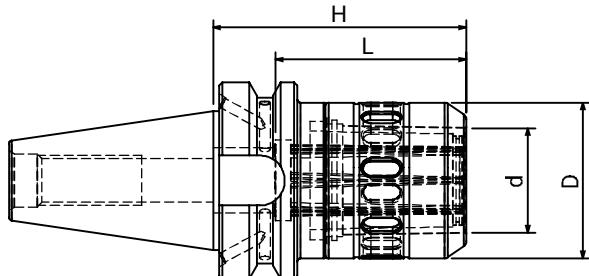
FORME AD - AD/B

MATÉRIAUX ET TRAITEMENTS:

- Acier de cémentation allié
- Temprés – Revenus
- Cémentation à HRC 58 ± 2, profondeur de cémentation 0,4-0,5 mm
- Résistance 800-1000 N/mm²
- Bruni après traitement thermique
- Rectifié en interne et en externe

MAS 403 BT





COD	CONO	d	H	L	D	BILANCIATURA
330FS112	ISO30	12	65	60	34	G6.3 12000
330FS116	ISO30	16	65	60	42	G6.3 12000
330FS120	ISO30	20	75	60	46	G6.3 12000
330FS312	ISO30	12	120	60	34	G6.3 12000
330FS316	ISO30	16	120	60	42	G6.3 12000
330FS320	ISO30	20	120	60	46	G6.3 12000
340FS112	ISO40	12	65	60	34	G6.3 12000
340FS116	ISO40	16	60	60	42	G6.3 12000
340FS120	ISO40	20	80	80	46	G6.3 12000
340FS132	ISO40	32	85	77	62	G6.3 12000
340FS312	ISO40	12	120	60	34	G6.3 12000
340FS316	ISO40	16	120	60	42	G6.3 12000
340FS320	ISO40	20	120	80	46	G6.3 12000
340FS332	ISO40	32	135	80	62	G6.3 12000
350FS112	ISO50	12	85	60	34	G6.3 12000
350FS116	ISO50	16	85	60	42	G6.3 12000
350FS120	ISO50	20	85	60	46	G6.3 12000
350FS132	ISO50	32	85	105	62	G6.3 12000
350FS212	ISO50	12	105	60	34	G6.3 12000
350FS216	ISO50	16	105	60	42	G6.3 12000
350FS220	ISO50	20	105	60	46	G6.3 12000
350FS232	ISO50	32	105	105	62	G6.3 12000
350FS312	ISO50	12	135	60	34	G6.3 12000
350FS316	ISO50	16	135	60	42	G6.3 12000
350FS320	ISO50	20	135	60	46	G6.3 12000
350FS332	ISO50	32	135	105	62	G6.3 12000

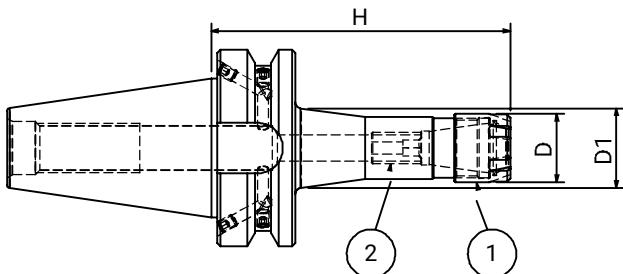
ACCESSORI | ACCESSORIES | ZUBEHÖR | ACCESSOIRES



> PAG. 259

MANDRINI PORTAPINZA TIPO ER MINI
ER MINI COLLET CHUCK
ER MINI SPANNZANGERFUTTER
MANDRINS À PINCES TYPE ER MINI

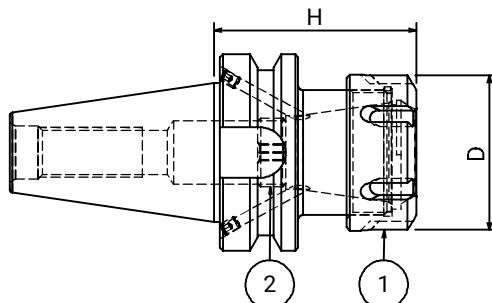
MAS 403 BT
AD/B
DIN 6499



COD	CONO	TIPOLOGIA	H	D	D1	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
330PM107	ISO30	ER11MINI	70	16	19	G6.3 12000	911GHRMN	100601604
330PM210	ISO30	ER16MINI	100	22	20	G6.3 12000	916GHRMN	101001601
340PM207	ISO40	ER11MINI	100	16	20	G6.3 12000	911GHRMN	100601001
340PM210	ISO40	ER16MINI	100	22	26	G6.3 12000	916GHRMN	101001601
340PM213	ISO40	ER20MINI	100	28	30	G6.3 12000	920GHRMN	101001601
340PM216	ISO40	ER25MINI	100	35	33	G6.3 12000	925GHRMN	101815801
340PM307	ISO40	ER11MINI	130	16	20	-	911GHRMN	100601001
340PM310	ISO40	ER16MINI	130	22	28	-	916GHRMN	101001601
340PM313	ISO40	ER20MINI	130	28	30	-	920GHRMN	101001601
340PM316	ISO40	ER25MINI	130	35	33	-	925GHRMN	101815801
340PM407	ISO40	ER11MINI	160	16	28	G6.3 12000	911GHRMN	100601001
340PM410	ISO40	ER16MINI	160	22	30	G6.3 12000	916GHRMN	101001601
340PM413	ISO40	ER20MINI	160	28	30	G6.3 12000	920GHRMN	101001601
340PM416	ISO40	ER25MINI	160	35	33	G6.3 12000	925GHRMN	101815801
340PM510	ISO40	ER16MINI	200	22	30	-	916GHRMN	101001601
340PM513	ISO40	ER20MINI	200	28	33	-	920GHRMN	101001601
340PM516	ISO40	ER25MINI	200	35	33	-	925GHRMN	101815801
350PM210	ISO50	ER16MINI	100	22	22	G6.3 12000	916GHRMN	101001601
350PM213	ISO50	ER20MINI	100	28	28	G6.3 12000	920GHRMN	101001601
350PM216	ISO50	ER25MINI	100	35	30	G6.3 12000	925GHRMN	101815801
350PM310	ISO50	ER16MINI	130	22	28	-	916GHRMN	101001601
350PM313	ISO50	ER20MINI	130	28	30	-	920GHRMN	101001601
350PM316	ISO50	ER25MINI	130	35	30	-	925GHRMN	101815801
350PM410	ISO50	ER16MINI	160	22	28	G6.3 12000	916GHRMN	101001601
350PM413	ISO50	ER20MINI	160	28	32	G6.3 12000	920GHRMN	101001601
350PM416	ISO50	ER25MINI	160	35	38	G6.3 12000	925GHRMN	101815801
350PM510	ISO50	ER16MINI	200	22	30	-	916GHRMN	101001601
350PM513	ISO50	ER20MINI	200	28	35	-	920GHRMN	101001601
350PM516	ISO50	ER25MINI	200	35	40	-	925GHRMN	101815801

MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
ER SPANNZANGERFUTTER
MANDRINS À PINCES TYPE ER

MAS 403 BT
AD/B
DIN 6499



COD	CONO	TIPOLOGIA	H	D	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
330PP110 *	ISO30	ER16	60	32	G6.3 12000	916GHREQ	101001601
330PP113 *	ISO30	ER20	60	35	G6.3 12000	920GHREQ	101001601
330PP116 *	ISO30	ER25	60	42	G6.3 12000	925GHREQ	101815801
330PP120 *	ISO30	ER32	60	50	G6.3 12000	932GHREQ	102215901
340PP110	ISO40	ER16	70	32	G6.3 15000	916GHREQ	101001601
340PP113	ISO40	ER20	70	35	G6.3 15000	920GHREQ	101001601
340PP116	ISO40	ER25	70	42	G6.3 15000	925GHREQ	101815801
340PP120	ISO40	ER32	70	50	G6.3 15000	932GHREQ	102215901
340PP126	ISO40	ER40	70	63	G6.3 15000	940GHREQ	103015901
350PP110	ISO50	ER16	80	32	G6.3 15000	916GHREQ	101001601
350PP113	ISO50	ER20	80	35	G6.3 15000	920GHREQ	101001601
350PP116	ISO50	ER25	80	42	G6.3 15000	925GHREQ	101815801
350PP120	ISO50	ER32	80	50	G6.3 15000	932GHREQ	102215901
350PP126	ISO50	ER40	80	63	G6.3 15000	940GHREQ	103015901

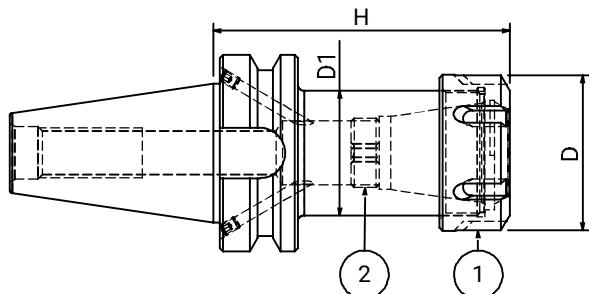
MAS 403 BT

* NOTE

Mandrini portapinza con attacco ISO30 fornibili solo con forma AD
 ISO30 collet chucks available only with AD form
 ISO30 spannfuttern nur mit AD form lieferbar
 Mandrins porte pince ISO30 livrables seulement avec la forme AD

MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
ER SPANNZANGERFUTTER
MANDRINS À PINCES TYPE ER

MAS 403 BT
AD/B
DIN 6499

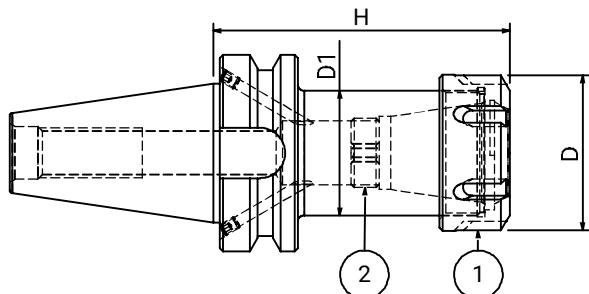


COD	CONO	TIPOLOGIA	H	D	D1	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
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340PP210	ISO40	ER16	100	32	31,5	G6.3 15000	916GHREQ	101001601
340PP213	ISO40	ER20	100	35	34,5	G6.3 15000	920GHREQ	101001601
340PP216	ISO40	ER25	100	42	41,5	G6.3 15000	925GHREQ	101815801
340PP220	ISO40	ER32	100	50	49,5	G6.3 15000	932GHREQ	102215901
340PP226	ISO40	ER40	100	63	50,0	G6.3 15000	940GHREQ	103015901
340PP310	ISO40	ER16	130	32	31,5	-	916GHREQ	101001601
340PP313	ISO40	ER20	130	35	34,5	-	920GHREQ	101001601
340PP316	ISO40	ER25	130	42	41,5	-	925GHREQ	101815801
340PP320	ISO40	ER32	130	50	49,5	-	932GHREQ	102215901
340PP326	ISO40	ER40	130	63	50,0	-	940GHREQ	103015901
340PP410	ISO40	ER16	160	32	31,5	-	916GHREQ	101001601
340PP413	ISO40	ER20	160	35	34,5	-	920GHREQ	101001601
340PP416	ISO40	ER25	160	42	41,5	-	925GHREQ	101815801
340PP420	ISO40	ER32	160	50	49,5	-	932GHREQ	102215901
340PP426	ISO40	ER40	160	63	50,0	-	940GHREQ	103015901
340PP510	ISO40	ER16	200	32	31,5	-	916GHREQ	101001601
340PP513	ISO40	ER20	200	35	34,5	-	920GHREQ	101001601
340PP516	ISO40	ER25	200	42	41,5	-	925GHREQ	101815801
340PP520	ISO40	ER32	200	50	49,5	-	932GHREQ	102215901
340PP526	ISO40	ER40	200	63	50,0	-	940GHREQ	103015901

MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
ER SPANNZANGERFUTTER
MANDRINS À PINCES TYPE ER

MAS 403 BT
AD/B
DIN 6499



COD	CONO	TIPOLOGIA	H	D	D1	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
350PP210	ISO50	ER16	100	32	31,5	G6.3 15000	916GHREQ	101001601
350PP213	ISO50	ER20	100	35	34,5	G6.3 15000	920GHREQ	101001601
350PP216	ISO50	ER25	100	42	41,5	G6.3 15000	925GHREQ	101815801
350PP220	ISO50	ER32	100	50	49,5	G6.3 15000	932GHREQ	102215901
350PP226	ISO50	ER40	100	63	62,5	G6.3 15000	940GHREQ	103015901
350PP234	ISO50	ER50	100	78	75,0	G6.3 15000	950GHREQ	103015901
350PP310	ISO50	ER16	130	32	31,5	-	916GHREQ	101001601
350PP313	ISO50	ER20	130	35	34,5	-	920GHREQ	101001601
350PP316	ISO50	ER25	130	42	41,5	-	925GHREQ	101815801
350PP320	ISO50	ER32	130	50	49,5	-	932GHREQ	102215901
350PP326	ISO50	ER40	130	63	62,5	-	940GHREQ	103015901
350PP334	ISO50	ER50	130	78	75,0	-	950GHREQ	103015901
350PP410	ISO50	ER16	160	32	31,5	-	916GHREQ	101001601
350PP413	ISO50	ER20	160	35	34,5	-	920GHREQ	101001601
350PP416	ISO50	ER25	160	42	41,5	-	925GHREQ	101815801
350PP420	ISO50	ER32	160	50	49,5	-	932GHREQ	102215901
350PP426	ISO50	ER40	160	63	62,5	-	940GHREQ	103015901
350PP510	ISO50	ER16	200	32	31,5	-	916GHREQ	101001601
350PP513	ISO50	ER20	200	35	34,5	-	920GHREQ	101001601
350PP516	ISO50	ER25	200	42	41,5	-	925GHREQ	101815801
350PP520	ISO50	ER32	200	50	49,5	-	932GHREQ	102215901
350PP526	ISO50	ER40	200	63	62,5	-	940GHREQ	103015901

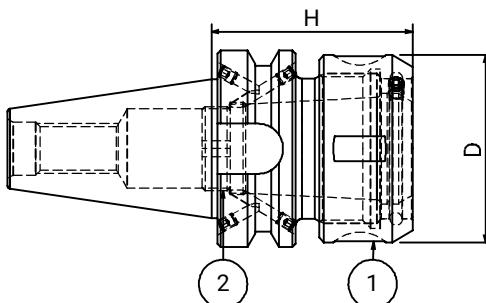
MAS 403 BT

MANDRINI PORTAPINZA TIPO EOC
EOC COLLET CHUCK
SPANNZANGENFUTTER EOC TYPE
MANDRINS A PINCES TYPE EOC

MAS 403 BT

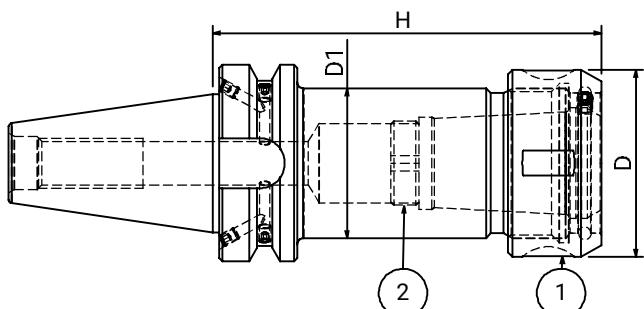
AD/B

DIN 6388



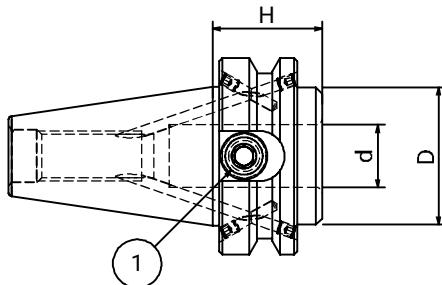
COD	CONO	TIPOLOGIA	H	D	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
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340PO116	ISO40	EOC16	70	43	G6.3 12000	916GHROS	101815801
340PO125	ISO40	EOC25	70	60	G6.3 12000	925GHROS	102715901
340PO132	ISO40	EOC32	80	72	G6.3 12000	932GHROS	102715901
340PO216	ISO40	EOC16	100	43	-	916GHROS	101815801
340PO225	ISO40	EOC25	100	60	-	925GHROS	102715901
350PO116	ISO50	EOC16	70	43	G6.3 12000	916GHROS	101815801
350PO125	ISO50	EOC25	85	60	G6.3 12000	925GHROS	102715901
350PO132	ISO50	EOC32	95	72	G6.3 12000	932GHROS	102715901
350PO216	ISO50	EOC16	100	43	-	916GHROS	101815801
350PO225	ISO50	EOC25	100	60	-	925GHROS	102715901
350PO232	ISO50	EOC32	100	72	-	932GHROS	102715901



COD	CONO	TIPOLOGIA	H	D	BILANCIATURA	1 - GHIERA	2 - GRANO INTERNO
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340PO316	ISO40	EOC16	130	43	-	916GHROS	101815801
340PO325	ISO40	EOC25	130	60	-	925GHROS	102715901
350PO325	ISO50	EOC25	130	60	-	925GHROS	102715901
350PO332	ISO50	EOC32	130	72	-	932GHROS	102715901



COD	CONO	d	H	D	BILANCIATURA	1 - GRANO
330WLC06 *	ISO30	6	35	25	G6.3 12000	1 x 100601002
330WLC08 *	ISO30	8	35	28	G6.3 12000	1 x 100801002
330WLC10 *	ISO30	10	35	35	G6.3 12000	1 x 101001202
330WLC12 *	ISO30	12	35	42	G6.3 12000	1 x 101201002
330WLC16 *	ISO30	16	35	42	G6.3 12000	1 x 101401004
330WLC20 *	ISO30	20	35	43	G6.3 12000	1 x 101400804
330WLC25 *	ISO30	25	35	45,5	G6.3 12000	1 x 101401004
340WLC16	ISO40	16	35	48	G6.3 12000	1 x 101401602
340WLC20	ISO40	20	35	44	G6.3 12000	1 x 101401202
340WLC25	ISO40	25	35	49	G6.3 12000	1 x 101401202
340WLC32	ISO40	32	70	72	G6.3 12000	1 x 102002002
350WLC16	ISO50	16	44	70	G6.3 12000	1 x 101402502
350WLC20	ISO50	20	44	70	G6.3 12000	1 x 101602004
350WLC25	ISO50	25	44	70	G6.3 12000	1 x 101802002
350WLC32	ISO50	32	44	70	G6.3 12000	1 x 102002002
350WLC40	ISO50	40	44	70	G6.3 12000	1 x 102002002

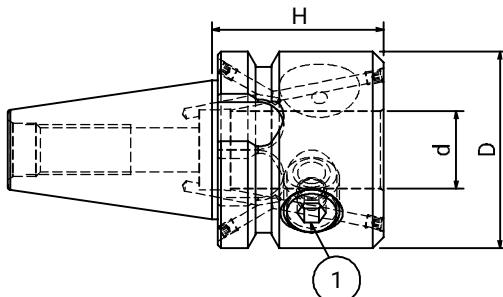
MAS 403 BT

* NOTE

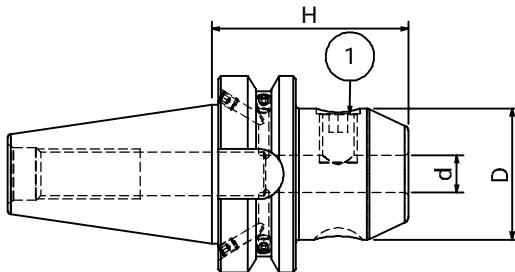
Mandrini portapinza con attacco ISO30 fornibili solo con forma AD
ISO30 collet chucks available only with AD form
ISO30 spannfuttern nur mit AD form lieferbar
Mandrins porte pince ISO30 livrables seulement avec la forme AD

MANDRINI PORTAFRESE TIPO WELDON
SIDE LOCK END MILL HOLDERS
WELDON ZYLINDERSCHAFTAUFNAHMEN
MANDRINS POUR OUTILS TYPE WELDON

MAS 403 BT
AD/B
DIN 1835 B



COD	CONO	d	H	D	BILANCIATURA	1 - GRANO
340WLS25	ISO40	25	55	63	G6.3 12000	1 x 101802002
340WLS32	ISO40	32	55	63	G6.3 12000	1 x 102001602

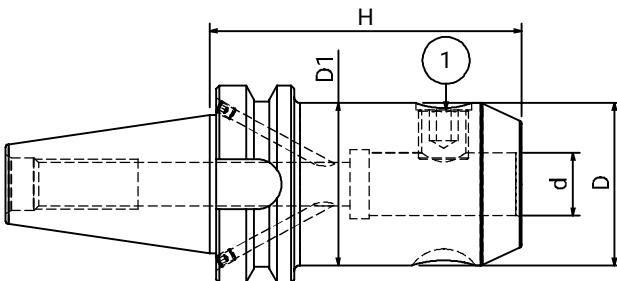


COD	CONO	d	H	D	BILANCIATURA	1 - GRANO
330WLD06 *	ISO30	6	50	25	G6.3 12000	1 x 100601002
330WLD08 *	ISO30	8	50	28	G6.3 12000	1 x 100801004
330WLD10 *	ISO30	10	50	35	G6.3 12000	1 x 101001204
330WLD12 *	ISO30	12	55	42	G6.3 12000	1 x 101201602
330WLD16 *	ISO30	16	63	48	G6.3 12000	1 x 101401604
330WLD20 *	ISO30	20	70	52	G6.3 12000	1 x 101601604
340WLD06	ISO40	6	50	25	G6.3 12000	1 x 100601002
340WLD08	ISO40	8	50	28	G6.3 12000	1 x 100801002
340WLD10	ISO40	10	63	35	G6.3 12000	1 x 101001202
340WLD12	ISO40	12	63	45	G6.3 12000	1 x 101201602
340WLD14	ISO40	14	63	44	G6.3 12000	1 x 101201602
340WLD16	ISO40	16	63	42	G6.3 12000	1 x 101201602
340WLD18	ISO40	18	63	50	G6.3 12000	1 x 101201602
340WLD20	ISO40	20	63	52	G6.3 12000	1 x 101201602
340WLD25	ISO40	25	90	65	G6.3 12000	2 x 101802002
340WLD32	ISO40	32	100	72	G6.3 12000	2 x 101802002
340WLD40	ISO40	40	107	80	G6.3 12000	2 x 101802002
350WLD06	ISO50	6	63	25	G6.3 12000	1 x 100601002
350WLD08	ISO50	8	63	28	G6.3 12000	1 x 100801002
350WLD10	ISO50	10	70	35	G6.3 12000	1 x 101001202
350WLD12	ISO50	12	80	42	G6.3 12000	1 x 101201602
350WLD14	ISO50	14	80	44	G6.3 12000	1 x 101201602
350WLD16	ISO50	16	80	48	G6.3 12000	1 x 101201602
350WLD18	ISO50	18	80	50	G6.3 12000	1 x 101201602
350WLD20	ISO50	20	80	52	G6.3 12000	1 x 101201602
350WLD25	ISO50	25	100	65	G6.3 12000	2 x 101802002
350WLD32	ISO50	32	105	72	G6.3 12000	2 x 101802002
350WLD40	ISO50	40	120	80	G6.3 12000	2 x 101802002
350WLD50	ISO50	50	125	100	G6.3 12000	2 x 102422504

MAS 403 BT

* NOTE

Mandrini portapinza con attacco ISO30 fornibili solo con forma AD
ISO30 collet chucks available only with AD form
ISO30 spannfuttern nur mit AD form lieferbar
Mandrins porte pince ISO30 livrables seulement avec la forme AD

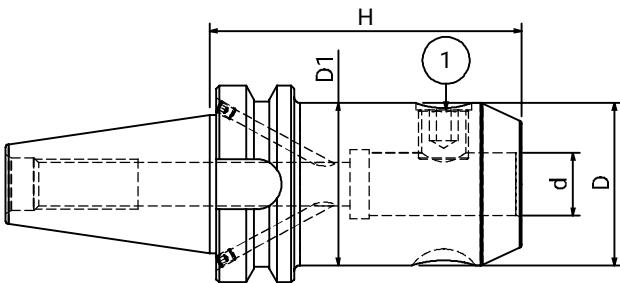


COD	CONO	d	H	D	D1	BILANCIATURA	1 - GRANO
340WE206	ISO40	6	100	25	35	G6.3 12000	1 x 100601002
340WE208	ISO40	8	100	28	38	G6.3 12000	1 x 100801002
340WE210	ISO40	10	100	35	40	G6.3 12000	1 x 101001202
340WE212	ISO40	12	100	42	-	G6.3 12000	1 x 101201602
340WE214	ISO40	14	100	44	-	G6.3 12000	1 x 101201602
340WE216	ISO40	16	100	48	-	G6.3 12000	1 x 101201602
340WE218	ISO40	18	100	50	-	G6.3 12000	1 x 101201602
340WE220	ISO40	20	100	52	-	G6.3 12000	1 x 101201602

340WE306	ISO40	6	130	25	35	-	1 x 100601002
340WE308	ISO40	8	130	28	38	-	1 x 100801002
340WE310	ISO40	10	130	35	40	-	1 x 101001202
340WE312	ISO40	12	130	42	-	-	1 x 101201602
340WE314	ISO40	14	130	44	-	-	1 x 101201602
340WE316	ISO40	16	130	48	-	-	1 x 101201602
340WE318	ISO40	18	130	50	-	-	1 x 101201602
340WE320	ISO40	20	130	52	-	-	1 x 101201602

340WE406	ISO40	6	160	25	35	G6.3 12000	1 x 100601002
340WE408	ISO40	8	160	28	38	G6.3 12000	1 x 100801002
340WE410	ISO40	10	160	35	40	G6.3 12000	1 x 101001202
340WE412	ISO40	12	160	42	42	G6.3 12000	1 x 101201602
340WE414	ISO40	14	160	44	44	G6.3 12000	1 x 101201602
340WE416	ISO40	16	160	48	48	G6.3 12000	1 x 101201602
340WE418	ISO40	18	160	50	50	G6.3 12000	1 x 101201602
340WE420	ISO40	20	160	52	52	G6.3 12000	1 x 101201602
340WE425	ISO40	25	160	65	65	G6.3 12000	2 x 101802002
340WE432	ISO40	32	160	72	72	G6.3 12000	2 x 102002002

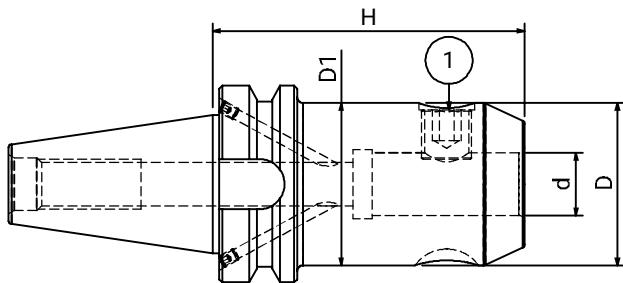
340WE506	ISO40	6	200	25	38	-	1 x 100601002
340WE508	ISO40	8	200	28	41	-	1 x 100801002
340WE510	ISO40	10	200	35	43	-	1 x 101001202
340WE512	ISO40	12	200	42	48	-	1 x 101201602
340WE514	ISO40	14	200	44	48	-	1 x 101201602
340WE516	ISO40	16	200	48	48	-	1 x 101201602
340WE518	ISO40	18	200	50	50	-	1 x 101201602
340WE520	ISO40	20	200	52	52	-	1 x 101201602
340WE525	ISO40	25	200	65	65	-	2 x 101802002
340WE532	ISO40	32	200	72	72	-	2 x 102002002



COD	CONO	d	H	D	D1	1 - GRANO
350WE206	ISO50	6	100	25	35	1 X 100601002
350WE208	ISO50	8	100	28	38	1 X 100801002
350WE210	ISO50	10	100	35	42	1 X 101001202
350WE412	ISO50	12	160	42	55	1 X 101201602
350WE214	ISO50	14	100	44	50	1 X 101201602
350WE216	ISO50	16	100	48	54	1 X 101201602
350WE218	ISO50	18	100	50	62	1 X 101201602
350WE220	ISO50	20	100	52	66	1 X 101201602
350WE306	ISO50	6	130	25	35	1 X 100601002
350WE308	ISO50	8	130	28	38	1 X 100801002
350WE310	ISO50	10	130	35	42	1 X 101001202
350WE312	ISO50	12	130	42	48	1 X 101201602
350WE314	ISO50	14	130	44	50	1 X 101201602
350WE316	ISO50	16	130	48	54	1 X 101201602
350WE318	ISO50	18	130	50	56	1 X 101201602
350WE320	ISO50	20	130	52	66	1 X 101201602
350WE325	ISO50	25	130	65	72	2 X 101802002
350WE332	ISO50	32	130	72	-	2 X 102002002
350WE340	ISO50	40	130	80	-	2 X 102002002
350WE406	ISO50	6	160	25	42	1 X 100601002
350WE408	ISO50	8	160	28	45	1 X 100801002
350WE410	ISO50	10	160	35	49	1 X 101001202
350WE412	ISO50	12	160	42	55	1 X 101201602
350WE414	ISO50	14	160	44	57	1 X 101201602
350WE416	ISO50	16	160	48	60	1 X 101201602
350WE418	ISO50	18	160	50	63	1 X 101201602
350WE420	ISO50	20	160	52	69	1 X 101201602
350WE425	ISO50	25	160	65	72	2 X 101802002
350WE432	ISO50	32	160	72	-	2 X 102002002
350WE440	ISO50	40	160	80	-	2 X 102002002

MANDRINI PORTAFRESE TIPO WELDON
 SIDE LOCK END MILL HOLDERS
 WELDON ZYLINDERSCHAFTAUFNAHMEN
 MANDRINS POUR OUTILS TYPE WELDON

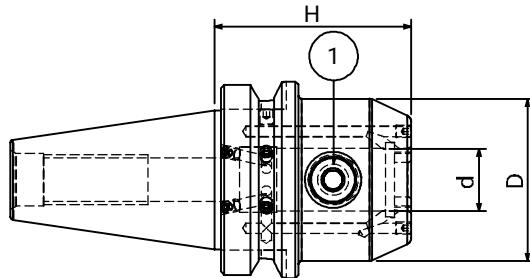
MAS 403 BT
 AD/B
 DIN 1835 B



COD	CONO	d	H	D	D1	1 - GRANO
350WE506	ISO50	6	200	25	42	1 X 100601002
350WE508	ISO50	8	200	28	45	1 X 100801002
350WE510	ISO50	10	200	35	49	1 X 101001202
350WE512	ISO50	12	200	42	55	1 X 101201602
350WE514	ISO50	14	200	44	57	1 X 101201602
350WE516	ISO50	16	200	48	60	1 X 101201602
350WE518	ISO50	18	200	50	63	1 X 101201602
350WE520	ISO50	20	200	52	63	1 X 101201602
350WE525	ISO50	25	200	65	72	2 X 101802002
350WE532	ISO50	32	200	72	-	2 X 102002002
350WE540	ISO50	40	200	80	-	2 X 102002002

**MANDRINI PORTAFRESE TIPO WELDON CON CANALI DI LUBRIFICAZIONE
SIDE LOCK END MILL HOLDERS WITH COOLANT CHANNELS
WELDON ZYLINDERSCHAFTAUFNAHMEN MIT KUEHLKANAL
MANDRINS POUR OUTILS TYPE WELDON AVEC CANAL D'ARROSAGE**

**MAS 403 BT
AD/B
DIN 1835 B**



COD	CONO	d	H	D	1 - GRANO
340WLK06	ISO40	6	50	25	1 X 100601002
340WLK08	ISO40	8	50	28	1 X 100801002
340WLK10	ISO40	10	63	35	1 X 101001202
340WLK12	ISO40	12	63	42	1 X 101201602
340WLK14	ISO40	14	63	44	1 X 101201602
340WLK16	ISO40	16	63	48	1 X 101201602
340WLK18	ISO40	18	63	50	1 X 101201602
340WLK20	ISO40	20	63	52	1 X 101201602
340WLK25	ISO40	25	90	65	2 X 101802002
340WLK32	ISO40	32	100	72	2 X 102002002
340WLK40	ISO40	40	107	80	2 X 102002002
350WLK06	ISO50	6	63	25	1 X 100601002
350WLK08	ISO50	8	63	28	1 X 100801002
350WLK10	ISO50	10	70	35	1 X 101001202
350WLK12	ISO50	12	80	42	1 X 101201602
350WLK14	ISO50	14	80	44	1 X 101201602
350WLK16	ISO50	16	80	48	1 X 101201602
350WLK18	ISO50	18	80	50	1 X 101201602
350WLK20	ISO50	20	80	52	1 X 101201602
350WLK25	ISO50	25	100	65	2 X 101802002
350WLK32	ISO50	32	105	72	2 X 102002002
350WLK40	ISO50	40	120	80	2 X 102002002

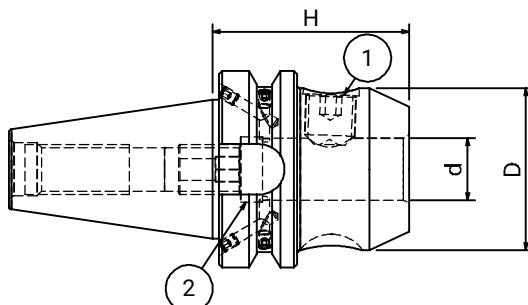
MAS 403 BT

MANDRINI PORTAFRESE TIPO WHISTLE NOTCH
WHISTLE NOTCH END MILL HOLDERS
WHISTLE NOTCH ZILINDERSCHAFTAUFNAHME
MANDRINS POUR OUTILS TYPE WHISTLE NOTCH

MAS 403 BT

AD/B

DIN 1835 E



COD

CONO

d

H

D

BILANCIATURA

1 - GRANO

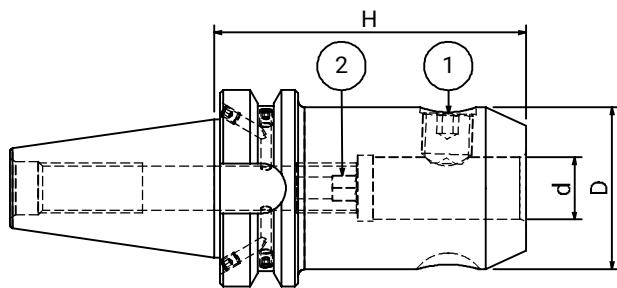
340WHN06	ISO40	6	50	25	G6.3 12000	1 x 100601002
340WHN08	ISO40	8	50	28	G6.3 12000	1 x 100801002
340WHN10	ISO40	10	63	35	G6.3 12000	1 x 101001202
340WHN12	ISO40	12	63	42	G6.3 12000	1 x 101201602
340WHN14	ISO40	14	63	44	G6.3 12000	1 x 101201602
340WHN16	ISO40	16	63	48	G6.3 12000	1 x 101201602
340WHN18	ISO40	18	63	50	G6.3 12000	1 x 101201602
340WHN20	ISO40	20	63	52	G6.3 12000	1 x 101201602
340WHN25	ISO40	25	90	65	G6.3 12000	2 x 101802002
340WHN32	ISO40	32	100	72	G6.3 12000	2 x 102002002
340WHN40	ISO40	40	107	80	G6.3 12000	2 x 102002002
350WHN06	ISO50	6	63	25	G6.3 12000	1 x 100601002
350WHN08	ISO50	8	63	28	G6.3 12000	1 x 100801002
350WHN10	ISO50	10	70	35	G6.3 12000	1 x 101001202
350WHN12	ISO50	12	80	42	G6.3 12000	1 x 101201602
350WHN14	ISO50	14	80	44	G6.3 12000	1 x 101201602
350WHN16	ISO50	16	80	48	G6.3 12000	1 x 101201602
350WHN18	ISO50	18	80	50	G6.3 12000	1 x 101201602
350WHN20	ISO50	20	80	52	G6.3 12000	1 x 101201602
350WHN25	ISO50	25	100	65	G6.3 12000	2 x 101802002
350WHN32	ISO50	32	105	72	G6.3 12000	2 x 102002002
350WHN40	ISO50	40	120	80	G6.3 12000	2 x 102002002

MANDRINI PORTAFRESE TIPO WHISTLE NOTCH
WHISTLE NOTCH END MILL HOLDERS
WHISTLE NOTCH ZILINDERSCHAFTAUFNAHME
MANDRINS POUR OUTILS TYPE WHISTLE NOTCH

MAS 403 BT

AD/B

DIN 1835 E

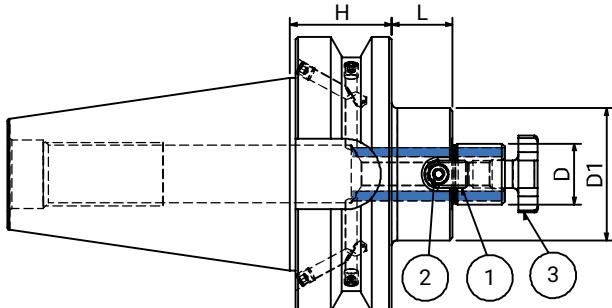


COD	CONO	d	H	D	1 - GRANO	2 - GRANO INTERNO
340WN206	ISO40	6	100	25	1 X 100601002	100501601
340WN208	ISO40	8	100	28	1 X 100801002	100601601
340WN210	ISO40	10	100	35	1 X 101001202	100801601
340WN212	ISO40	12	100	42	1 X 101201602	101002501
340WN214	ISO40	14	100	44	1 X 101201602	101002501
340WN216	ISO40	16	100	48	1 X 101401602	101204001
340WN218	ISO40	18	100	50	1 X 101401602	101204001
340WN220	ISO40	20	100	52	1 X 101601602	101603501
350WN206	ISO50	6	100	25	1 X 100601002	100501601
350WN208	ISO50	8	100	28	1 X 100801002	100601601
350WN210	ISO50	10	100	35	1 X 101001202	100801601
350WN212	ISO50	12	100	42	1 X 101201602	101002501
350WN214	ISO50	14	100	44	1 X 101201602	101002501
350WN216	ISO50	16	100	48	1 X 101401602	101204001
350WN218	ISO50	18	100	50	1 X 101401602	101204001
350WN220	ISO50	20	100	52	1 X 101601602	101603501

MAS 403 BT

**MANDRINI PORTAFRESE FISSI CON CANALI DI LUBRIFICAZIONE
SHELL MILL HOLDERS WITH INTERNAL COOLANT SUPPLY
AUFSTECKFRAESDORNE MIT QUERNUT UND KUHLMITTELZUFUHR
MANDRINS PORTE-FRAISES ENTRAINEMENT AVEC ARROSSAGE INTERNE**

**MAS 403 BT
AD/B
DIN 3937**



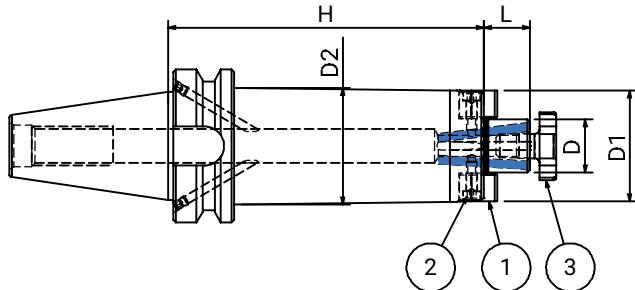
COD	CONO	D	H	L	D1	1 - TASSELLO	2 - VITE	3 - VITE A CROCE
330PF116 *	ISO30	16	35	17	38	2 x 916TSL11	2 x 110301201	916VTC02
330PF122 *	ISO30	22	40	19	48	2 x 922TSL11	2 x 110401201	922VTC02
330PF127 *	ISO30	27	40	21	58	2 x 927TSL11	2 x 110501601	927VTC02
340PF016	ISO40	16	35	17	46	2 x 916TSL01	2 x 110301001	916VTC02
340PF022	ISO40	22	35	19	59	2 x 922TSL11	2 x 110401201	922VTC02
340PF027	ISO40	27	35	21	58	2 x 927TSL02	2 x 110401601	927VTC02
340PF116	ISO40	16	45	17	38	2 x 916TSL11	2 x 110301201	916VTC02
340PF122	ISO40	22	45	19	48	2 x 922TSL11	2 x 110401201	922VTC02
340PF127	ISO40	27	45	21	58	2 x 927TSL11	2 x 110501601	927VTC02
340PF132	ISO40	32	50	24	78	2 x 932TSL12	2 x 110602001	932VTC02
340PF140	ISO40	40	55	27	88	2 x 940TSL11	2 x 110602002	940VTC02
350PF016	ISO50	16	50	17	46	2 x 916TSL11	2 x 110301001	916VTC02
350PF022	ISO50	22	50	19	48	2 x 922TSL11	2 x 110401201	922VTC02
350PF027	ISO50	27	50	21	58	2 x 927TSL01	2 x 110401601	927VTC02
350PF032	ISO50	32	50	24	66	2 x 932TSL02	2 x 110601601	932VTC02
350PF040	ISO50	40	50	27	80	2 x 940TSL05	2 x 110601601	940VTC02
350PF116	ISO50	16	60	17	38	2 x 916TSL11	2 x 110301201	916VTC02
350PF122	ISO50	22	60	19	48	2 x 922TSL11	2 x 110401201	922VTC02
350PF127	ISO50	27	60	21	58	2 x 927TSL11	2 x 110501601	927VTC02
350PF132	ISO50	32	60	24	78	2 x 932TSL12	2 x 110602001	932VTC02
350PF140	ISO50	40	60	27	88	2 x 940TSL11	2 x 110602001	940VTC02

* NOTE

Mandrini portapinza con attacco ISO30 fornibili solo con forma AD
ISO30 collet chucks available only with AD form
ISO30 spannfuttern nur mit AD form lieferbar
Mandrins porte pince ISO30 livrables seulement avec la forme AD

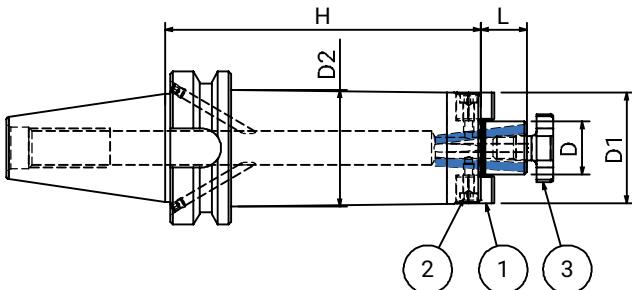
**MANDRINI PORTAFRESE FISSI CON CANALI DI LUBRIFICAZIONE
SHELL MILL HOLDERS WITH INTERNAL COOLANT SUPPLY
AUFSTECKFRAESDORNE MIT QUERNUT UND KUHLMITTELZUFUHR
MANDRINS PORTE-FRAISES ENTRAINEMENT AVEC ARROSSAGE INTERNE**

MAS 403 BT
AD/B
DIN 3937



COD	CONO	D	H	L	D1	D2	1 - TASSELLO	2 - VITE	3 - VITE A CROCE
340PF216	ISO40	16	100	17	32	40	2 x 916TSL10	2 x 110300801	916VTC02
340PF222	ISO40	22	100	19	40	48	2 x 922TSL10	2 x 110401001	922VTC02
340PF227	ISO40	27	100	21	48	-	2 x 927TSL10	2 x 110501201	927VTC02
340PF232	ISO40	32	100	24	58	-	2 x 932TSL10	2 x 110601201	932VTC02
340PF240	ISO40	40	100	27	70	-	2 x 940TSL10	2 x 110602001	940VTC02
340PF316	ISO40	16	130	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
340PF322	ISO40	22	130	19	46	48	2 x 922TSL11	2 x 110401201	922VTC02
340PF327	ISO40	27	130	21	55	-	2 x 927TSL11	2 x 110501601	927VTC02
340PF332	ISO40	32	130	24	66	60	2 x 932TSL11	2 x 110602001	932VTC02
340PF340	ISO40	40	130	27	88	60	2 x 940TSL11	2 x 110602001	940VTC02
340PF416	ISO40	16	160	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
340PF422	ISO40	22	160	19	46	48	2 x 922TSL11	2 x 110401201	922VTC02
340PF427	ISO40	27	160	21	55	-	2 x 927TSL11	2 x 110501601	927VTC02
340PF432	ISO40	32	160	24	66	55	2 x 932TSL11	2 x 110602001	932VTC02
340PF440	ISO40	40	160	27	88	60	2 x 940TSL11	2 x 110602001	940VTC02
340PF516	ISO40	16	200	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
340PF522	ISO40	22	200	19	46	48	2 x 922TSL11	2 x 110401201	922VTC02
340PF527	ISO40	27	200	21	55	-	2 x 927TSL11	2 x 110501601	927VTC02
340PF532	ISO40	32	200	24	66	60	2 x 932TSL11	2 x 110602001	932VTC02
340PF540	ISO40	40	200	27	88	60	2 x 940TSL11	2 x 110602001	940VTC02

MAS 403 BT



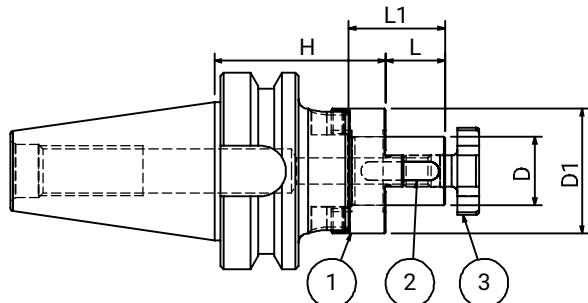
COD	CONO	D	H	L	D1	D2	1 - TASSELLO	2 - VITE	3 - VITE A CROCE
350PF216	ISO50	16	100	17	32	40	2 x 916TSL10	2 x 110300801	916VTC02
350PF222	ISO50	22	100	19	40	52	2 x 922TSL10	2 x 110401001	922VTC02
350PF227	ISO50	27	100	21	48	55	2 x 927TSL10	2 x 110501201	927VTC02
350PF232	ISO50	32	100	24	58	65	2 x 932TSL10	2 x 110601201	932VTC02
350PF240	ISO50	40	100	27	70	-	2 x 940TSL10	2 x 110602001	940VTC02
350PF316	ISO50	16	130	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
350PF322	ISO50	22	130	19	46	56	2 x 922TSL11	2 x 110401201	922VTC02
350PF327	ISO50	27	130	21	55	78	2 x 927TSL11	2 x 110501601	927VTC02
350PF332	ISO50	32	130	24	66	78	2 x 932TSL11	2 x 110602001	932VTC02
350PF340	ISO50	40	130	27	88	78	2 x 940TSL11	2 x 110602001	940VTC02
350PF416	ISO50	16	160	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
350PF422	ISO50	22	160	19	46	49	2 x 922TSL11	2 x 110401201	922VTC02
350PF427	ISO50	27	160	21	55	78	2 x 927TSL11	2 x 110501601	927VTC02
350PF432	ISO50	32	160	24	66	78	2 x 932TSL11	2 x 110602001	932VTC02
350PF440	ISO50	40	160	27	70	78	2 x 940TSL11	2 x 110602001	940VTC02
350PF516	ISO50	16	200	17	39	-	2 x 916TSL11	2 x 110301201	916VTC02
350PF522	ISO50	22	200	19	46	49	2 x 922TSL11	2 x 110401201	922VTC02
350PF527	ISO50	27	200	21	55	78	2 x 927TSL11	2 x 110501601	927VTC02
350PF532	ISO50	32	200	24	66	78	2 x 932TSL11	2 x 110602001	932VTC02
350PF540	ISO50	40	200	27	70	78	2 x 940TSL11	2 x 110602001	940VTC02
350PF616	ISO50	16	250	17	39	-	2 x 916TSL01	2 x 110301001	916VTC02
350PF622	ISO50	22	250	19	50	60	2 x 922TSL01	2 x 110301201	922VTC02
350PF627	ISO50	27	250	21	55	78	2 x 927TSL01	2 x 110401601	927VTC02
350PF632	ISO50	32	250	24	64	78	2 x 932TSL11	2 x 110602001	932VTC02
350PF640	ISO50	40	250	27	88	88	2 x 940TSL11	2 x 110602001	940VTC02
350PF716	ISO50	16	300	17	39	55	2 x 916TSL01	2 x 110301001	916VTC02
350PF722	ISO50	22	300	19	50	60	2 x 922TSL01	2 x 110301201	922VTC02
350PF727	ISO50	27	300	21	55	78	2 x 927TSL01	2 x 110401601	927VTC02
350PF732	ISO50	32	300	24	66	80	2 x 932TSL01	2 x 110601601	932VTC02
350PF740	ISO50	40	300	27	80	80	2 x 940TSL01	2 x 110601601	940VTC02
350PF816	ISO50	16	350	17	39	55	2 x 916TSL01	2 x 110301001	916VTC02
350PF822	ISO50	22	350	19	50	66	2 x 922TSL01	2 x 110301201	922VTC02
350PF827	ISO50	27	350	21	55	78	2 x 927TSL01	2 x 110401601	927VTC02
350PF832	ISO50	32	350	24	66	80	2 x 932TSL01	2 x 110601601	932VTC02
350PF840	ISO50	40	350	27	80	80	2 x 940TSL01	2 x 110601601	940VTC02

MANDRINI PORTAFRESE COMBINATI
COMBI-SHELL MILL HOLDERS
KOMBI-AUFSTECKFRÄSDORNE
MANDRINS PORTE-FRAISES À DOUBLE USAGE

MAS 403 BT

AD

DIN 3937

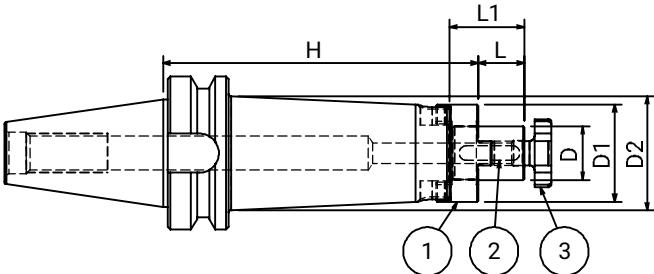


COD	CONO	D	H	L	L1	D1	1 - GIUNTO	2 - LINGUETTA	3 - VITE A CROCE
330PU116	ISO30	16	50	17	27	32	916GNT01	170402004	916VTC02
330PU122	ISO30	22	50	19	31	40	922GNT01	170602506	922VTC02
330PU127	ISO30	27	55	21	33	48	927GNT01	170702507	927VTC02
340PU116	ISO40	16	55	17	27	32	916GNT01	170402004	916VTC02
340PU122	ISO40	22	55	19	31	40	922GNT01	170602506	922VTC02
340PU127	ISO40	27	55	21	33	48	927GNT01	170702507	927VTC02
340PU132	ISO40	32	60	24	38	58	932GNT01	170802807	932VTC02
340PU140	ISO40	40	60	27	41	70	940GNT01	171003208	940VTC02
350PU116	ISO50	16	70	17	27	32	916GNT01	170402004	916VTC02
350PU122	ISO50	22	70	19	31	40	922GNT01	170602506	922VTC02
350PU127	ISO50	27	70	21	33	48	927GNT01	170702507	927VTC02
350PU132	ISO50	32	70	24	38	58	932GNT01	170802807	932VTC02
350PU140	ISO50	40	70	27	41	70	940GNT01	171003208	940VTC02

MAS 403 BT

MANDRINI PORTAFRESE COMBINATI
COMBI-SHELL MILL HOLDERS
KOMBI-AUFSTECKFRÄSDORNE
MANDRINS PORTE-FRAISES À DOUBLE USAGE

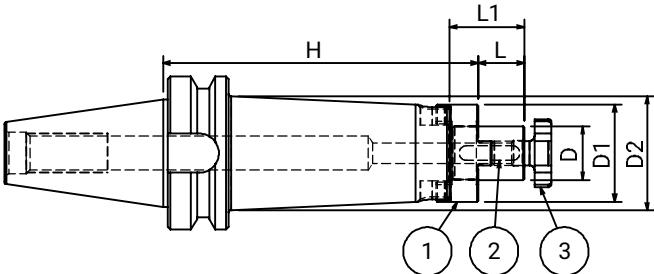
MAS 403 BT
AD
DIN 3937



COD	CONO	D	H	L	L1	D1	D2	1 - GIUNTO	2 - LINGUETTA	3 - VITE A CROCE
340PU216	ISO40	16	100	17	27	32	44	916GNT01	170402004	916VTC02
340PU222	ISO40	22	100	19	31	40	-	922GNT01	170602506	922VTC02
340PU227	ISO40	27	100	21	33	48	-	927GNT01	170702507	927VTC02
340PU232	ISO40	32	100	24	38	58	-	932GNT01	170802807	932VTC02
340PU240	ISO40	40	100	27	41	70	-	940GNT01	171003208	940VTC02
340PU316	ISO40	16	130	17	27	32	44	916GNT01	170402004	916VTC02
340PU322	ISO40	22	130	19	31	40	47	922GNT01	170602506	922VTC02
340PU327	ISO40	27	130	21	33	48	55	927GNT01	170702507	927VTC02
340PU332	ISO40	32	130	24	38	58	58	932GNT01	170802807	932VTC02
340PU340	ISO40	40	130	27	41	70	62	940GNT01	171003208	940VTC02
340PU416	ISO40	16	160	17	27	32	44	916GNT01	170402004	916VTC02
340PU422	ISO40	22	160	19	31	40	47	922GNT01	170602506	922VTC02
340PU427	ISO40	27	160	21	33	48	55	927GNT01	170702507	927VTC02
340PU432	ISO40	32	160	24	38	58	58	932GNT01	170802807	932VTC02
340PU440	ISO40	40	160	27	41	70	62	940GNT01	171003208	940VTC02
340PU516	ISO40	16	200	17	27	32	44	916GNT01	170402004	916VTC02
340PU522	ISO40	22	200	19	31	40	47	922GNT01	170602506	922VTC02
340PU527	ISO40	27	200	21	33	48	55	927GNT01	170702507	927VTC02
340PU532	ISO40	32	200	24	38	58	58	932GNT01	170802807	932VTC02
340PU540	ISO40	40	200	27	41	70	62	940GNT01	171003208	940VTC02

MANDRINI PORTAFRESE COMBINATI
COMBI-SHELL MILL HOLDERS
KOMBI-AUFSTECKFRÄSDORNE
MANDRINS PORTE-FRAISES À DOUBLE USAGE

MAS 403 BT
AD
DIN 3937

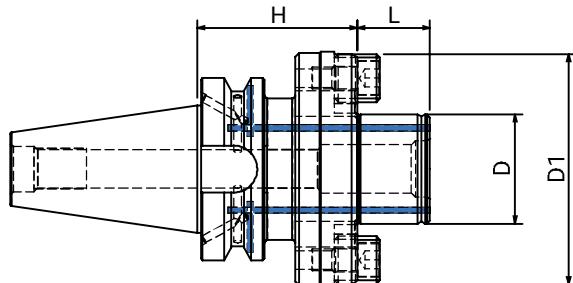
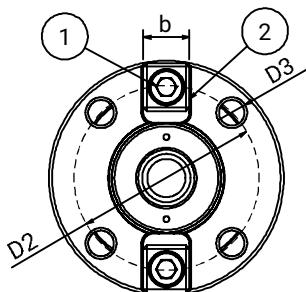


COD	CONO	D	H	L	L1	D1	D2	1 - GIUNTO	2 - LINGUETTA	3 - VITE A CROCE
350PU216	ISO50	16	100	17	27	32	44	916GNT01	170402004	916VTC02
350PU222	ISO50	22	100	19	31	40	50	922GNT01	170602506	922VTC02
350PU227	ISO50	27	100	21	33	48	60	927GNT01	170702507	927VTC02
350PU232	ISO50	32	100	24	38	58	-	932GNT01	170802807	932VTC02
350PU240	ISO50	40	100	27	41	70	-	940GNT01	171003208	940VTC02
350PU316	ISO50	16	130	17	27	32	44	916GNT01	170402004	916VTC02
350PU322	ISO50	22	130	19	31	40	50	922GNT01	170602506	922VTC02
350PU327	ISO50	27	130	21	33	48	60	927GNT01	170702507	927VTC02
350PU332	ISO50	32	130	24	38	58	65	932GNT01	170802807	932VTC02
350PU340	ISO50	40	130	27	41	70	77	940GNT01	171003208	940VTC02
350PU416	ISO50	16	160	17	27	32	44	916GNT01	170402004	916VTC02
350PU422	ISO50	22	160	19	31	40	50	922GNT01	170602506	922VTC02
350PU427	ISO50	27	160	21	33	48	60	927GNT01	170702507	927VTC02
350PU432	ISO50	32	160	24	38	58	65	932GNT01	170802807	932VTC02
350PU440	ISO50	40	160	27	41	70	77	940GNT01	171003208	940VTC02
350PU516	ISO50	16	200	17	27	32	44	916GNT01	170402004	916VTC02
350PU522	ISO50	22	200	19	31	40	50	922GNT01	170602506	922VTC02
350PU527	ISO50	27	200	21	33	48	60	927GNT01	170702507	927VTC02
350PU532	ISO50	32	200	24	38	58	65	932GNT01	170802807	932VTC02
350PU540	ISO50	40	200	27	41	70	77	940GNT01	171003208	940VTC02

MAS 403 BT

MANDRINI PORTAFRESE PER FRESE A SPIANARE
FACE MILL HOLDERS
AUFSTECKFRÄSDORNE FUER MESSERKOEPFE
MANDRINS PORTE-FRAISES POUR FRAISES A SURFACER

MAS 403 BT
AD/B
DIN 6357



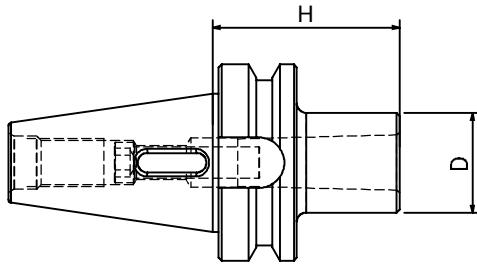
COD	CONO	D	H	D1	L	b	D2	D3	1 - VITE	2 - TASSELLO	3 - VITE A CROCE
340PI140	ISO40	40	60	89	30	15,9	66,7	M12	2 x 110601601	2 x 940TSL04	940VTC02
350PI140	ISO50	40	70	89	30	15,9	66,7	M12	2 x 110601601	2 x 940TSL04	940VTC02
350PI160	ISO50	60	80	129	40	25,4	101,6	M16	2 x 111202501	2 x 940TSL04	-

MANDRINI ATTACCO CONO MORSE PUNTE
MORSE TAPER ADAPTORS FOR DRILLS
ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT AUSTREIBBLAPPEN
DOUILLES PUOR CONE MORSE A TENON

MAS 403 BT

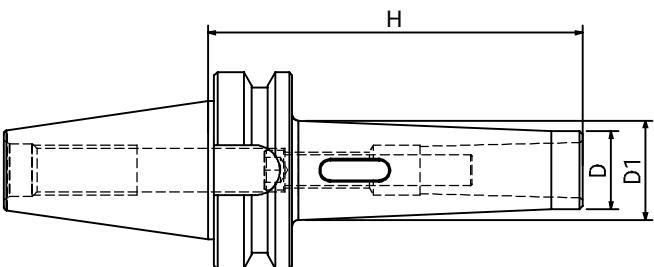
AD

DIN 228-2



COD	CONO	MORSE	H	D
330MP101	ISO30	1	50	25
330MP102	ISO30	2	60	32
330MP103	ISO30	3	79	40
340MP101	ISO40	1	50	25
340MP102	ISO40	2	60	32
340MP103	ISO40	3	76	40
340MP104	ISO40	4	94,5	48
350MP101	ISO50	1	45	25
350MP102	ISO50	2	60	32
350MP103	ISO50	3	65	40
350MP104	ISO50	4	95	48
350MP105	ISO50	5	105	63

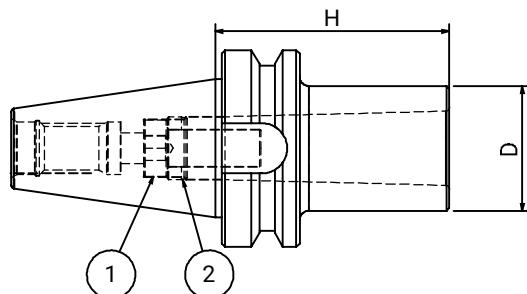
MAS 403 BT



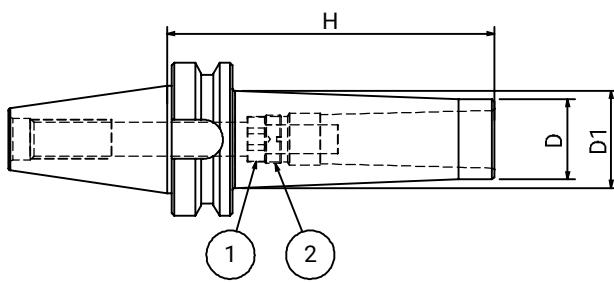
COD	CONO	MORSE	H	D	D1
340MP201	ISO40	1	115	18	25
340MP202	ISO40	2	120	25	32
340MP203	ISO40	3	140	33	40
340MP204	ISO40	4	165	40	48
350MP201	ISO50	1	120	18	25
350MP202	ISO50	2	140	25	32
350MP203	ISO50	3	150	33	40
350MP204	ISO50	4	180	40	48
350MP205	ISO50	5	220	55	69

MANDRINI ATTACCO CONO MORSE FRESE
MORSE TAPER ADAPTORS WITH THREAD
ZWISCHENHÜLSEN FÜR MORSEKEGEL MIT ANZUGSGEWINDE
DOUILLES POUR CONE MORSE AVEC TARAUDAGE

MAS 403 BT
AD
DIN 228-2



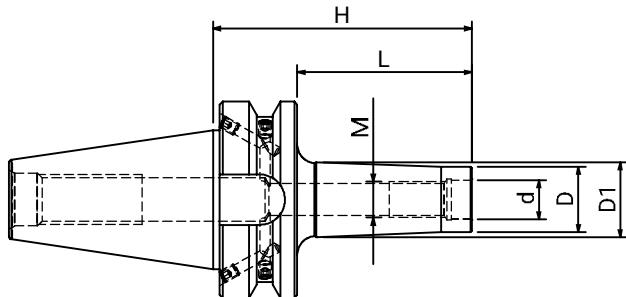
COD	CONO	MORSE	H	D	1 - VITE	2 - GHIERA
330MF101	ISO30	1	50	25	110603501	121206502
330MF102	ISO30	2	60	32	111003014	121500802
330MF103	ISO30	3	80	40	111204003	122000903
340MF101	ISO40	1	50	25	110603501	121206502
340MF102	ISO40	2	50	32	111003014	121500802
340MF103	ISO40	3	75	40	111204003	122000903
340MF104	ISO40	4	95	48	111604514	122000903
350MF101	ISO50	1	50	25	110603501	121206502
350MF102	ISO50	2	50	32	111003014	121500802
350MF103	ISO50	3	65	40	111203003	122000903
350MF104	ISO50	4	95	48	111604514	122000903
350MF105	ISO50	5	120	63	112005003	123601104



COD	CONO	MORSE	H	D	D1	1 - VITE	2 - GHIERA
340MF201	ISO40	1	120	18	25	110603501	121206502
340MF202	ISO40	2	120	25	32	111003014	121500802
340MF203	ISO40	3	135	33	40	111204003	122000903
340MF204	ISO40	4	165	40	48	111604515	122000903
350MF201	ISO50	1	185	18	25	110603501	121206502
350MF202	ISO50	2	185	25	32	111003014	121500802
350MF203	ISO50	3	185	33	40	111204003	122000903
350MF204	ISO50	4	185	40	48	111604514	122000903
350MF205	ISO50	5	200	55	63	112005503	123601104

MANDRINI PER FRESE CON ATTACCO FILETTATO
MILLING CUTTERS ARBORS FOR SCREW-ON TYPE MILLING CUTTERS
SPANFÜTTER FÜR EINSCHRAUBFRÄSER
MANDRINS POUR FRAISER À VISSEUR

MAS 403 BT
AD/B

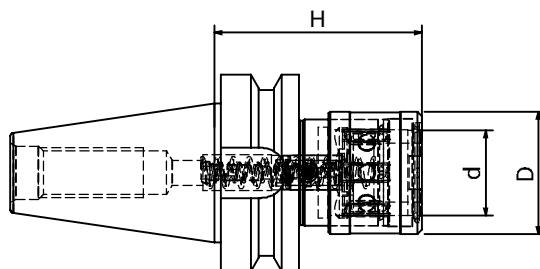


COD	CONO	M	H	L	d	D	D1	BILANCIATURA
340AF106	ISO40	M6	63	36	6,5	10	13	G2.5 20000
340AF108	ISO40	M8	63	36	8,5	13	15	G2.5 20000
340AF110	ISO40	M10	63	36	11	18	19,5	G2.5 20000
340AF112	ISO40	M12	63	36	13	21	24	G2.5 20000
340AF116	ISO40	M16	63	36	17,5	29	34	G2.5 20000
340AF206	ISO40	M6	83	56	7	10	20	G2.5 20000
340AF208	ISO40	M8	83	56	3	13	23	G2.5 20000
340AF210	ISO40	M10	83	56	11	18	25	G2.5 20000
340AF212	ISO40	M12	83	56	13	21	24	G2.5 20000
340AF216	ISO40	M16	83	56	17,5	29	34	G2.5 20000
340AF308	ISO40	M8	103	76	9	13	23	G2.5 20000
340AF310	ISO40	M10	103	76	11	18	28	G2.5 20000
340AF312	ISO40	M12	103	76	13	21	31	G2.5 20000
340AF316	ISO40	M16	103	76	17,5	29	34	G2.5 20000
340AF410	ISO40	M10	123	96	10,5	18	28	G2.5 20000
340AF412	ISO40	M12	123	96	12,5	21	31	G2.5 20000
340AF416	ISO40	M16	123	96	17,5	29	39	G2.5 20000
340AF516	ISO40	M16	153	126	17,5	29	39	G2.5 20000
350AF112	ISO50	M12	64	26	12,5	21	24	G2.5 20000
350AF116	ISO50	M16	64	26	17	29	34	G2.5 20000
350AF212	ISO50	M12	104	66	12,5	21	32	G2.5 20000
350AF216	ISO50	M16	104	66	17	29	36	G2.5 20000
350AF312	ISO50	M12	154	116	12,5	21	32	G2.5 20000
350AF316	ISO50	M16	154	116	17	29	40	G2.5 20000
350AF412	ISO50	M12	204	166	12,5	21	36	G2.5 20000
350AF416	ISO50	M16	204	166	17	29	42	G2.5 20000
350AF512	ISO50	M12	254	216	12,5	21	42	G2.5 20000
350AF516	ISO50	M16	254	216	17	29	44	G2.5 20000

MAS 403 BT

MANDRINI PORTAMASCHI A DOPPIA COMPENSAZIONE
QUICK-CHANGE TAPPING CHUCKS WITH LENGTH COMPENSATION
GEWINDESCHNID - SCHNELLWECHSELEIN FÜTTER MIT LÄNGENAUSGLEICH
MANDRINS DE TARAUDAGE AVEC COMPENSATION LONGITUDINALE

MAS 403 BT
AD



COD	CONO	RANGE	SIZE	d	D	H
340PCRM1	ISO40	M3-M12	GR.1	19	38	67
340PCRM2	ISO40	M6-M20	GR.2	31	53	93
350PCRM1	ISO50	M3-M12	GR.1	19	38	80
350PCRM2	ISO50	M6-M20	GR.2	31	53	102

MAS 403 BT

ACCESSORI | ACCESSORIES | ZUBEHÖR | ACCESSOIRES



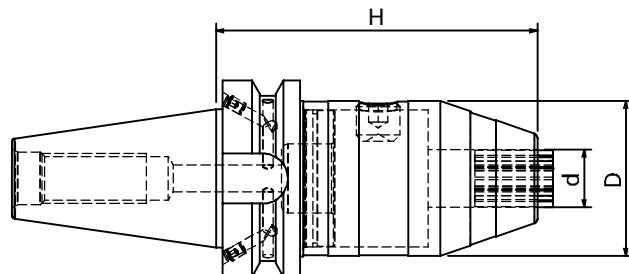
> PAG. 258



> PAG. 257

MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE DX - SX
NC DRILL CHUCK FOR LEFT AND RIGHT ROTATION
NC-BOHRFÜTTER FÜR RECHTS UND LINKSLAUF
MANDRINS DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE

MAS 403 BT
AD/B



COD	CONO	d	H	D
340MAZ13	ISO40	1-13	101	50
340MAZ16	ISO40	3-16	106	50
350MAZ13	ISO50	1-13	112	50
350MAZ16	ISO50	3-16	117	50

MAS 403 BT

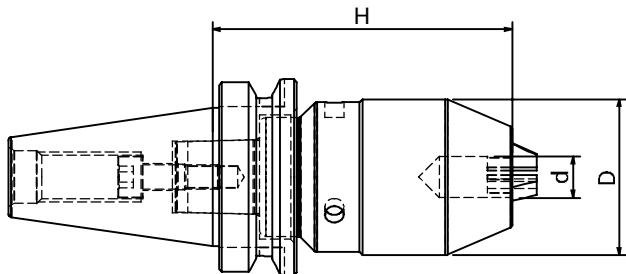
ACCESSORI | ACCESSORIES | ZUBEHÖR | ACCESSOIRES



> PAG. 279

MANDRINI PORTAPUNTE INTEGRALI
UNIVERSAL DRILL CHUCKS
NC-BOHRFÜTTER
MANDRINS UNIVERSELS DE PERCAGE

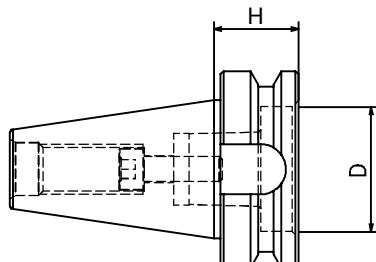
MAS 403 BT
AD



COD	CONO	d	H	D
340MPI13	ISO40	1-13	98	50
340MPI16	ISO40	3-16	98	57
350MPI13	ISO50	1-13	109	50
350MPI16	ISO50	3-16	109	57

MAS 403 BT

MANDRINI DI RICAMBIO | SPARE DRILL CHUCK HEADS | ERSATZ BOHRFÜTTER | MANDRINS DE RECHANGE



COD	CONO	RANGE	D	H
340CPI13	ISO40	1-13	40	27
340CPI16	ISO40	3-16	45	27
350CPI13	ISO50	1-13	40	38
350CPI16	ISO50	3-16	45	38

COMPONENTI | SPARE PARTS | ERSATZTEILE | PIÈCES DETACHEES

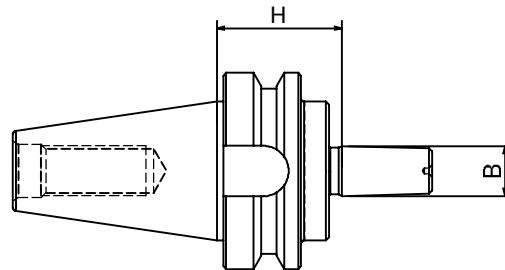


COD	DESCRIZIONE
913INS01	MANDRINO PER PUNTE 1-13
916INS01	MANDRINO PER PUNTE 1-16

ATTACCO PER MANDRINI PORTAPUNTE
DRILL CHUCK ADAPTORS
BOHRFUTTERAUFNAHMEN
ARBRES POUR MANDRINS DE PERÇAGE

MAS 403 BT

DIN 238

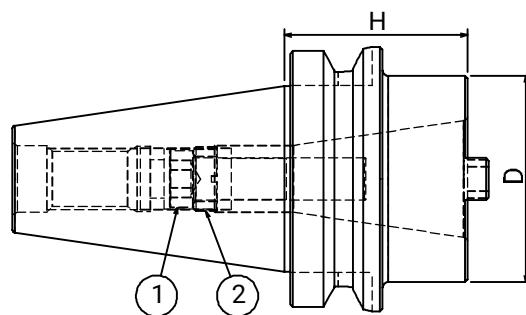


COD	CONO	B	H
340MPP12	ISO40	12	45
340MPP16	ISO40	16	45
340MPP18	ISO40	18	45
350MPP12	ISO50	12	45
350MPP16	ISO50	16	45
350MPP18	ISO50	18	45

MAS 403 BT

MANDRINI DI RIDUZIONE
ISO TAPER ADAPTORS
ZWISCHENHUELSEN SK-SK
DOUILLES DE REDUCTION SA-SA

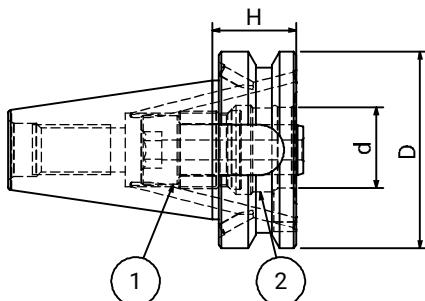
MAS 403 BT



COD	CONO	D	H	1 - VITE TC/BT	1 - VITE 2080	2 - GHIERA
340ISO30	ISO40	50	70	111205501	110603001	122000603
340ISO40	ISO40	68	100	111606514	111604514	122400903
350ISO40	ISO50	78	70	111606514	111604514	122400903
350ISO50	ISO50	100	120	112409003	112406003	124020002

ATTACCHI BASE MODULARI
MODULAR HOLDERS
GRUNDAUFAHMEN
MODULE DE BASE

MAS 403 BT
AD/B



COD	CONO	H	D	d	1 - VITE	2 - BOCCOLA
340VL050	ISO40	27	50	27	111604011	122502007
340VL063	ISO40	27	63	32	112005011	123002408
340VL150	ISO40	50	50	27	111604011	122502007
340VL163	ISO40	50	63	32	112005011	123002408
350VL050	ISO50	38	50	27	111604011	122502007
350VL150	ISO50	50	50	27	111604011	122502007
350VL163	ISO50	50	63	32	112005012	123002408
350VL180	ISO50	50	80	32	112005012	123002408

ADATTATORI MODULARI | MODULAR ADAPTOR | MODULARER ADAPTER | ADAPTATEUR MODULAIRE



> PAG. 243



> PAG. 244



> PAG. 245



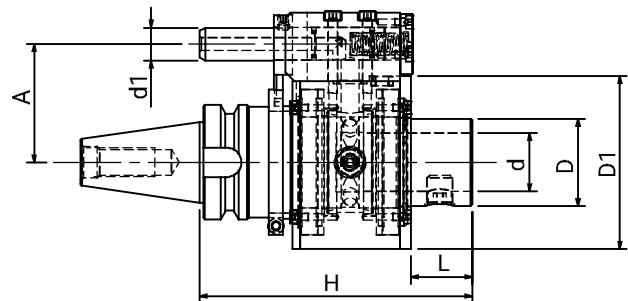
> PAG. 246



> PAG. 247

DISTRIBUTORE ROTANTE CON REFRIGERANTE
COOLANT FEEDER
KÜHLMITTELZUFÜHRUNG-ANLAGE
DISPOSITIV D'ARROSAGE TOURNATE

MAS 403 BT

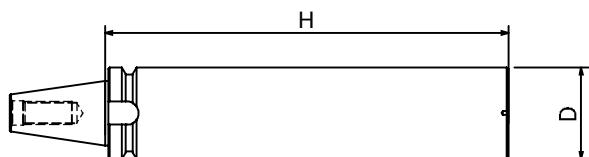


COD	CONO	d	H	A	L	D	D1	d1	1 - GRANO
340DRC32	ISO40	32	150	65	34	48	95	18	1 x 101416154
340DRC40	ISO40	40	160	65	44	58	110	18	2 x 101601004
350DRC40	ISO50	40	164	80	49	58	110	18	2 x 101601004

MAS 403 BT

MANDRINI SEMILAVORATI A STELO TENERO
BLANK TOOLHOLDER WITH SOFT SHANK
ROHLINGE MIT WEICHEM SCHAFT
EBAUCHES

MAS 403 BT



COD	CONO	H	D
340ST263	ISO40	250	63
350ST397	ISO50	315	97