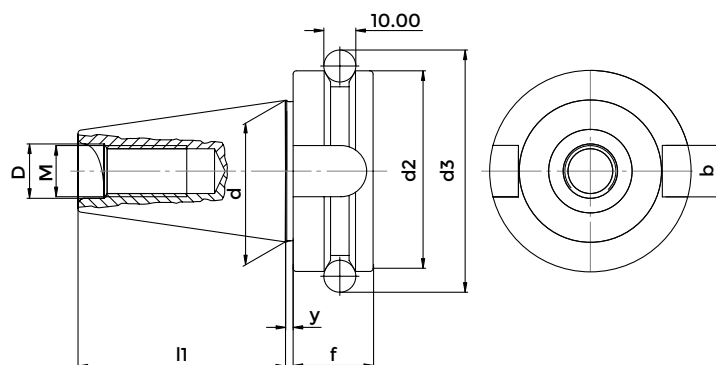




MANDRINI BT
JIS-B 6339

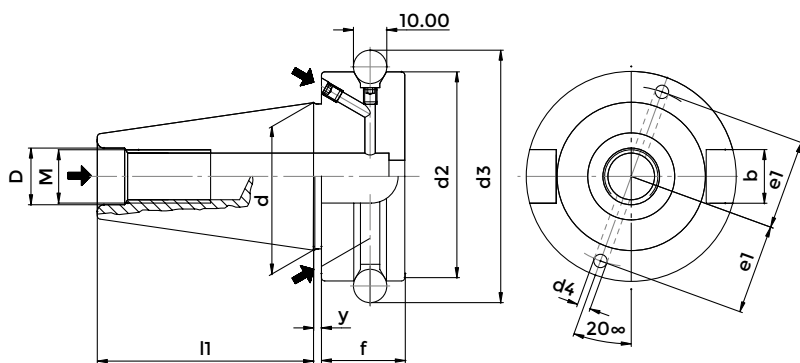
DATI TECNICI CONI D'ATTACCO



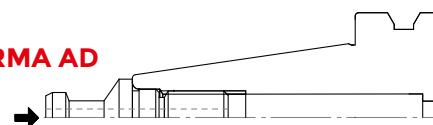
JIS-B 6339 - MAS 403/BT FORMA A

ISO	d	l1	D	M	y	d2	f	d3	b
30	31,75	48,4	12,5	M12	2	46	20	56,144	16,1
40	44,45	65,4	17	M16	2	63	25	75,68	16,1
50	69,85	101,8	25	M24	3	100	35	110,02	25,7

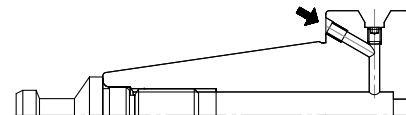
DATI TECNICI CONI D'ATTACCO



FORMA AD



FORMA B



JIS-B 6339 MAS 403/BT FORMA AD/B

ISO	d	l1	D	M	y	d2	f	d3	d4	e1	b
40	44,45	65,4	17	M16	2	63	25	75,68	4	27	16,1
50	69,85	101,8	25	M24	3	100	35	110,02	5	42	25,7

Il lubrificante passa dai fori sulla flangia (B) oppure, chiudendo i fori con le apposite viti, dal centro del mandrino (AD).

DATI TECNICI MANDRINI KINTEK CON ATTACCO ISO

JIS-B 6339 MAS 403/BT FORMA A-AD/B

Tutti i mandrini portautensili KINTEK vengono prodotti secondo le normative DIN.

COASSIALITÀ PORTAPINZE

La norma DIN6391 ammette un errore massimo di 0,016 sia per i portapinze DIN6499/ISO15488 che per DIN6388. La nostra produzione normalmente presenta uno scostamento massimo di eccentricità tra cono ISO e sede pinza compreso tra i 0,003 e 0,010 mm.

COASSIALITÀ PORTAFRESE FISSI E COMBINATI

I portafrese fissi e combinati di nostra produzione rispondono ai criteri prescritti dalla norma DIN6358, la quale prevede un errore massimo di coassialità tra cono ISO 30 e ISO 40 ed i diametri 16-22-27-32-40, di 0,01. Mentre per ISO 50 è ammesso un errore massimo di 0,015 mm.

COASSIALITÀ PORTAFRESE WELDON-WHISTLE NOTCH

Rispettando la normativa DIN 6359-1 i portafrese WELDON devono rispondere ai seguenti requisiti:

FORO: tolleranza H5

COASSIALITÀ: scostamento massimo consentito tra cono e sede Weldon <0.01 (per ISO 40)

Garantiamo la tolleranza prescritta sul foro e un valore di coassialità mediamente di 0.005.

EQUILIBRATURA

La maggior parte dei portautensili presenti in questa categoria sono prebilanciati in classe G 6,3 8000 rpm min⁻¹ o bilanciati a 12000 giri rpm min⁻¹. A fianco della tabella descrittiva e dimensionale dei prodotti viene elencato il grado di equilibratura aggiuntiva.

DATI COSTRUTTIVI

- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +/- 2 resistenza 800-1000 N/mm²
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiera chiudipinza

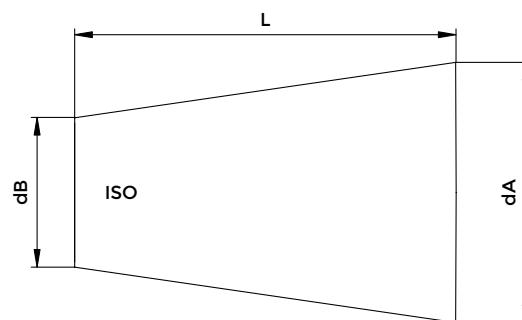
EQUILIBRATURA MANDRINI PER ALTE VELOCITÀ

I mandrini presenti nella linea nuova ad alta velocità vengono bilanciati in classe G 2,5 a 25000 rpm min⁻¹.

DATI COSTRUTTIVI MANDRINI PER ALTE VELOCITÀ

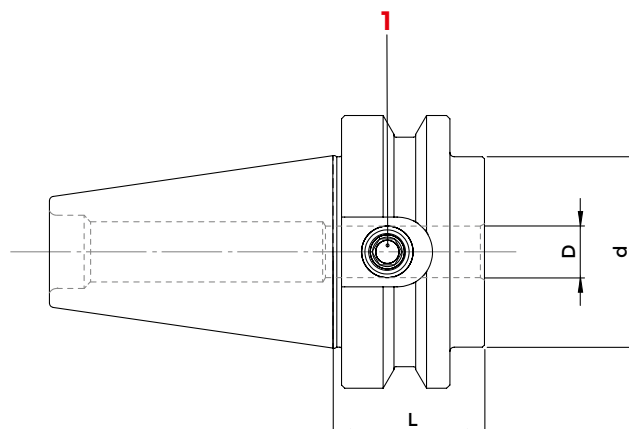
- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,6 - 0,8 mm
- Temprati-rinvenuti
- Durezza HRC 58 +/- 2 resistenza 800-1000 N/mm²
- Bruniti
- Finitura di rettifica interna, esterna del cono
- Rettifica parte anteriore e nelle filettature delle ghiera chiudipinza
- Collaudati 100% con strumenti di misura certificati e forniti con certificato di bilanciatura.

TOLLERANZA DEL CONO PRODOTTI IN CLASSE AT3



ISO	L	dA-dB	AT3
30	42	12.250	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004

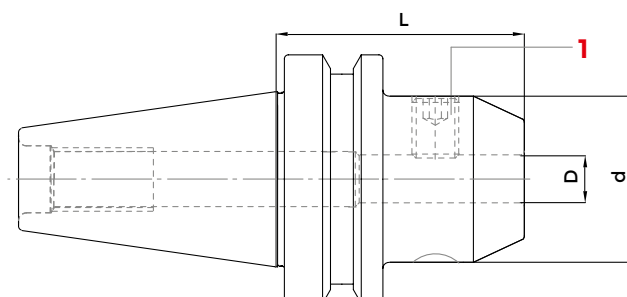
MANDRINI PORTAFRESE TIPO WELDON EXTRA CORTO



JIS-B 6339 MAS 403/BT FORMA AD/B - DIN 1835 B

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	D	L	d	G6,3 12000	G6,3 15000	1	1
									GRANO 1	GRANO 2
										
0968	-	BT 30 - WE 12 / H35	30	12	35	42	•	-	0200	-
0976	-	BT 30 - WE 16 / H35	30	16	35	42	•	-	0082	-
0977	-	BT 30 - WE 20 / H35	30	20	35	43	•	-	811-106024	-
0978	-	BT 30 - WE 25 / H35	30	25	35	45,5	•	-	0082	-
3053	-	BT 40 - WE 12 / H 35	40	12	35	44	-	•	4973	-
3054	5122	BT 40 - WE 16 / H 35	40	16	35	44	-	•	0068	-
3055	5123	BT 40 - WE 20 / H 35	40	20	35	44	-	•	0261	-
3056	-	BT 40 - WE 25 / H 35	40	25	35	44	-	•	0082	-
4629	4554	BT 40 - WE 25 / H 60	40	25	60	49	-	•	0082	0076
3069	-	BT 40 - WE 32 / H 40	40	32	40	44	-	•	0074	-
4630	4556	BT 40 - WE 32 / H 70	40	32	70	72	-	•	0082	4977
3057	-	BT 50 - WE 16 / H 44	50	16	44	70	•	-	4974	-
3058	5126	BT 50 - WE 20 / H 44	50	20	44	70	•	-	4975	-
3059	5127	BT 50 - WE 25 / H 44	50	25	44	70	•	-	4976	-
3060	5128	BT 50 - WE 32 / H 44	50	32	44	70	•	-	4977	-
8468	8473	BT 50 - WE 40 / H 44	50	40	44	70	•	-	0259	-

MANDRINI PORTAFRESE TIPO WELDON

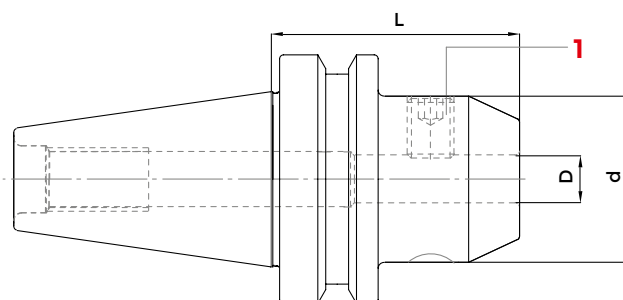


JIS-B 6339 MAS 403/BT FORMA AD/B - DIN 1835 B

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	D	L	d	G6,3 12000	G6,3 15000	1 GRANO
									
3740	-	BT 30 - WE 6 / H 50	30	6	50	25	-	•	4970
3741	-	BT 30 - WE 8 / H 50	30	8	50	28	-	•	4971
3742	-	BT 30 - WE 10 / H 50	30	10	50	35	-	•	4972
3743	-	BT 30 - WE 12 / H 55	30	12	55	42	-	•	4973
3744	-	BT 30 - WE 16 / H 63	30	16	63	48	-	•	4974
3299	-	BT 30 - WE 20 / H 70	30	20	70	52	-	•	4975
3752	4909	BT 40 - WE 6 / H 50	40	6	50	25	-	•	4970
5057	5863	BT 40 - WE 6 / H 100	40	6	100	25	-	•	4970
8004	8021	BT 40 - WE 6 / H 130	40	6	130	25	-	•	4970
5564	5864	BT 40 - WE 6 / H 160	40	6	160	25	-	•	4970
4253	4391	BT 40 - WE 6 / H 200	40	6	200	25	-	•	4970
3753	4910	BT 40 - WE 8 / H 50	40	8	50	28	-	•	4971
5058	5865	BT 40 - WE 8 / H 100	40	8	100	28	-	•	4971
8005	8022	BT 40 - WE 8 / H 130	40	8	130	28	-	•	4971
5565	5866	BT 40 - WE 8 / H 160	40	8	160	28	-	•	4971
4254	4396	BT 40 - WE 8 / H 200	40	8	200	28	-	•	4971
3754	4911	BT 40 - WE 10 / H 63	40	10	63	35	-	•	4972
5059	5867	BT 40 - WE 10 / H 100	40	10	100	35	-	•	4972
8006	8023	BT 40 - WE 10 / H 130	40	10	130	35	-	•	4972
5566	5868	BT 40 - WE 10 / H 160	40	10	160	35	-	•	4972
4255	4397	BT 40 - WE 10 / H 200	40	10	200	35	-	•	4972
3755	4912	BT 40 - WE 12 / H 63	40	12	63	42	-	•	4973
5060	5869	BT 40 - WE 12 / H 100	40	12	100	42	-	•	4973
8007	8024	BT 40 - WE 12 / H 130	40	12	130	42	-	•	4973
5567	5870	BT 40 - WE 12 / H 160	40	12	160	42	-	•	4973
4262	4401	BT 40 - WE 12 / H 200	40	12	200	42	-	•	4973
4557	4913	BT 40 - WE 14 / H 63	40	14	63	44	-	•	4973
5061	5871	BT 40 - WE 14 / H 100	40	14	100	44	-	•	4973
8008	8025	BT 40 - WE 14 / H 130	40	14	130	44	-	•	4973
4268	4432	BT 40 - WE 14 / H 160	40	14	160	44	-	•	4973
-	4433	BT 40 - WE 14 / H 200	40	14	200	44	-	•	4974
3756	4914	BT 40 - WE 16 / H 63	40	16	63	48	-	•	4974
5062	5872	BT 40 - WE 16 / H 100	40	16	100	48	-	•	4974
8009	8026	BT 40 - WE 16 / H 130	40	16	130	48	-	•	4974
5063	5873	BT 40 - WE 16 / H 160	40	16	160	48	-	•	4974
4270	4434	BT 40 - WE 16 / H 200	40	16	200	48	-	•	4974

segue >>

MANDRINI PORTAFRESE TIPO WELDON

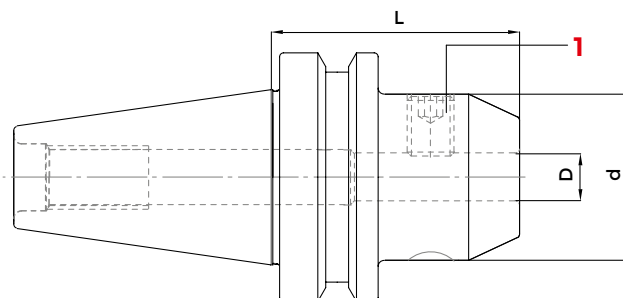


JIS-B 6339 MAS 403/BT FORMA AD/B - DIN 1835 B

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	D	L	d	G6,3 12000	G6,3 15000	1 GRANO
									
4558	4915	BT 40 - WE 18 / H 63	40	18	63	50	-	•	4974
5064	5874	BT 40 - WE 18 / H 100	40	18	100	50	-	•	4974
4272	-	BT 40 - WE 18 / H 200	40	18	200	50	-	•	4974
3757	4916	BT 40 - WE 20 / H 63	40	20	63	52	-	•	4975
5066	5875	BT 40 - WE 20 / H 100	40	20	100	52	-	•	4975
5067	4437	BT 40 - WE 20 / H 130	40	20	130	52	-	•	4975
5068	5876	BT 40 - WE 20 / H 160	40	20	160	52	-	•	4975
4274	4446	BT 40 - WE 20 / H 200	40	20	200	52	-	•	4975
3758	4917	BT 40 - WE 25 / H 90	40	25	90	65	-	•	4976
5069	4939	BT 40 - WE 25 / H 130	40	25	130	65	-	•	4976
5070	4448	BT 40 - WE 25 / H 160	40	25	160	65	-	•	4976
4358	4479	BT 40 - WE 25 / H 200	40	25	200	65	-	•	4976
3759	4918	BT 40 - WE 32 / H 100	40	32	100	72	-	•	4977
5071	4480	BT 40 - WE 32 / H 130	40	32	130	72	-	•	4977
5072	4481	BT 40 - WE 32 / H 160	40	32	160	72	-	•	4977
4359	4482	BT 40 - WE 32 / H 200	40	32	200	72	-	•	4977
4559	4919	BT 40 - WE 40 / H 105	40	40	105	80	-	•	4977
3295	4920	BT 50 - WE 6 / H 63	50	6	63	25	•	-	4970
5073	5877	BT 50 - WE 6 / H 100	50	6	100	25	•	-	4970
8011	8028	BT 50 - WE 6 / H 130	50	6	130	25	•	-	4970
5568	5878	BT 50 - WE 6 / H 160	50	6	160	25	•	-	4970
4360	4485	BT 50 - WE 6 / H 200	50	6	200	25	•	-	4970
3769	4921	BT 50 - WE 8 / H 63	50	8	63	28	•	-	4971
5074	5879	BT 50 - WE 8 / H 100	50	8	100	28	•	-	4971
8012	8029	BT 50 - WE 8 / H 130	50	8	130	28	•	-	4971
5569	5880	BT 50 - WE 8 / H 160	50	8	160	28	•	-	4971
4361	4497	BT 50 - WE 8 / H 200	50	8	200	28	•	-	4971
3770	4922	BT 50 - WE 10 / H 70	50	10	70	35	•	-	4972
5075	5907	BT 50 - WE 10 / H 100	50	10	100	35	•	-	4972
8013	8030	BT 50 - WE 10 / H 130	50	10	130	35	•	-	4972
5572	5908	BT 50 - WE 10 / H 160	50	10	160	35	•	-	4972
4366	4498	BT 50 - WE 10 / H 200	50	10	200	35	•	-	4972
3771	4923	BT 50 - WE 12 / H 80	50	12	80	42	•	-	4973
5574	5912	BT 50 - WE 12 / H 100	50	12	100	42	•	-	4973
8014	8031	BT 50 - WE 12 / H 130	50	12	130	42	•	-	4973
5076	5909	BT 50 - WE 12 / H 160	50	12	160	42	•	-	4973

segue >>

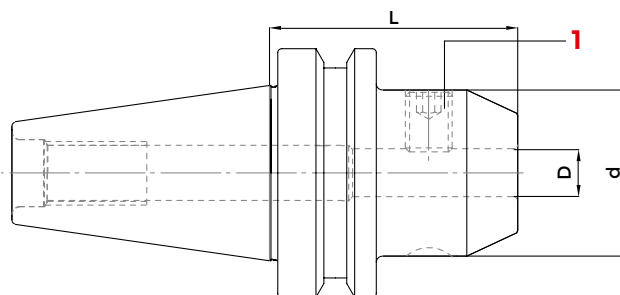
MANDRINI PORTAFRESE TIPO WELDON



JIS-B 6339 MAS 403/BT FORMA AD/B - DIN 1835 B

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	D	L	d	G6,3 12000	G6,3 15000	1 GRANO
									
4370	4499	BT 50 - WE 12 / H 200	50	12	200	42	•	-	4973
4560	4924	BT 50 - WE 14 / H 80	50	14	80	44	•	-	4973
4371	4500	BT 50 - WE 14 / H 100	50	14	100	44	•	-	4973
8015	8032	BT 50 - WE 14 / H 130	50	14	130	44	•	-	4973
4375	-	BT 50 - WE 14 / H 160	50	14	160	44	•	-	4973
4376	-	BT 50 - WE 14 / H 200	50	14	200	44	•	-	4973
3772	4925	BT 50 - WE 16 / H 80	50	16	80	48	•	-	4974
5575	5913	BT 50 - WE 16 / H 100	50	16	100	48	•	-	4974
8016	8033	BT 50 - WE 16 / H 130	50	16	130	48	•	-	4974
5078	5910	BT 50 - WE 16 / H 160	50	16	160	48	•	-	4974
4380	4523	BT 50 - WE 16 / H 200	50	16	200	48	•	-	4974
4561	4926	BT 50 - WE 18 / H 80	50	18	80	50	•	-	4974
4381	4524	BT 50 - WE 18 / H 100	50	18	100	50	•	-	4974
8017	-	BT 50 - WE 18 / H 130	50	18	130	50	•	-	4974
4382	4525	BT 50 - WE 18 / H 160	50	18	160	50	•	-	4974
3773	4927	BT 50 - WE 20 / H 80	50	20	80	52	•	-	4975
5576	5914	BT 50 - WE 20 / H 100	50	20	100	52	•	-	4975
8018	8035	BT 50 - WE 20 / H 130	50	20	130	52	•	-	4975
5080	5911	BT 50 - WE 20 / H 160	50	20	160	52	•	-	4975
4386	4527	BT 50 - WE 20 / H 200	50	20	200	52	•	-	4975
3774	4928	BT 50 - WE 25 / H 100	50	25	100	65	•	-	4976
8019	8036	BT 50 - WE 25 / H 130	50	25	130	65	•	-	4976
5082	5915	BT 50 - WE 25 / H 160	50	25	160	65	•	-	4976
4388	4528	BT 50 - WE 25 / H 200	50	25	200	65	•	-	4976
3775	4929	BT 50 - WE 32 / H 105	50	32	105	72	•	-	4977
8020	8037	BT 50 - WE 32 / H 130	50	32	130	72	•	-	4977
5083	5916	BT 50 - WE 32 / H 160	50	32	160	72	•	-	4977
4389	4529	BT 50 - WE 32 / H 200	50	32	200	72	•	-	4977
3776	4930	BT 50 - WE 40 / H 120	50	40	120	80	•	-	4977
5085	5917	BT 50 - WE 40 / H 160	50	40	160	80	•	-	4977
4390	4530	BT 50 - WE 40 / H 200	50	40	200	80	•	-	4977
3777	4552	BT 50 - WE 50 / H 125	50	50	125	100	•	-	4978

MANDRINI PORTAFRESE TIPO WELDON - LINEA ALTA VELOCITÀ

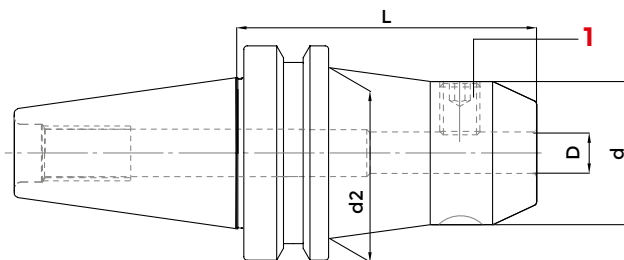


JIS-B 6339 MAS 403/BT A - DIN 1835 B

LINEA ALTA VELOCITÀ

COD.	DESCRIZIONE	ISO	D	L	d	G2.5 25000	1 GRANO
							
WE91401	BT40H50WE06	40	6	50	25	•	4970
WE91402	BT40H50WE08	40	8	50	28	•	4971
WE91403	BT40H63WE10	40	10	63	35	•	4972
WE91404	BT40H63WE12	40	12	63	42	•	4973
WE91406	BT40H63WE16	40	16	63	48	•	4974
WE91408	BT40H63WE20	40	20	63	52	•	4975
WE91409	BT40H90WE25	40	25	90	65	•	4976
WE91410	BT40H100WE32	40	32	100	72	•	4977

MANDRINI PORTAFRESE TIPO WELDON - SERIE LUNGA - LINEA ALTA VELOCITÀ

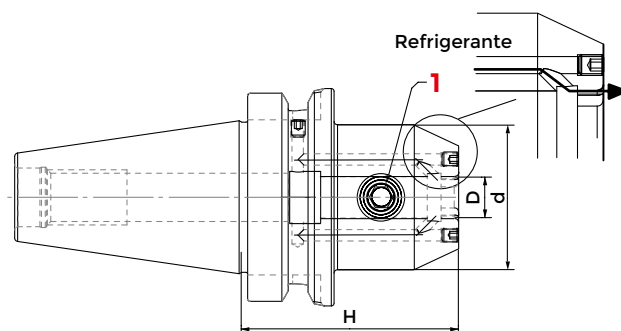


JIS-B 6339 MAS 403/BT A - DIN 1835 B

LINEA ALTA VELOCITÀ

COD.	DESCRIZIONE	ISO	D	L	d	d2	G2.5 25000	1 GRANO
								
WE91424	BT40H100WE06	40	6	100	25	35	•	4970
WE91425	BT40H100WE08	40	8	100	28	38	•	4971
WE91426	BT40H100WE10	40	10	100	35	40	•	4972
WE91427	BT40H100WE12	40	12	100	42	-	•	4973
WE91429	BT40H100WE16	40	16	100	48	-	•	4974
WE91431	BT40H100WE20	40	20	100	52	-	•	4975

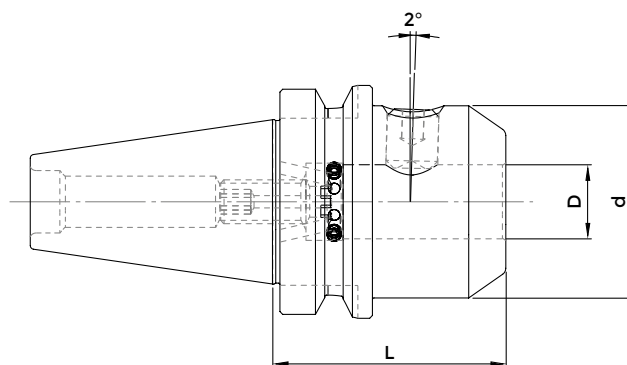
MANDRINI CORTI PORTAFRESE TIPO WELDON CON CANALI DI LUBRIFICAZIONE



JIS-B 6339 MAS 403/BT FORMA AD/B - DIN 1835 B

COD.	DESCRIZIONE	ISO	D	H	d	G6,3 12000	G6,3 15000	1
								GRANO
								
7872	BT 40 - WEC 6 / H 50	40	6	50	25	-	•	4970
7873	BT 40 - WEC 8 / H 50	40	8	50	28	-	•	4971
7874	BT 40 - WEC 10 / H 63	40	10	63	35	-	•	4972
7875	BT 40 - WEC 12 / H 63	40	12	63	42	-	•	4973
7876	BT 40 - WEC 14 / H 63	40	14	63	44	-	•	4973
7877	BT 40 - WEC 16 / H 63	40	16	63	48	-	•	4974
7878	BT 40 - WEC 18 / H 63	40	18	63	50	-	•	4974
7879	BT 40 - WEC 20 / H 63	40	20	63	52	-	•	4975
7880	BT 40 - WEC 25 / H 90	40	25	90	65	-	•	4976
7881	BT 40 - WEC 32 / H 100	40	32	100	72	-	•	4977
7882	BT 40 - WEC 40 / H 105	40	40	105	80	-	•	4977
7886	BT 50 - WEC 12 / H 80	50	12	80	42	•	-	4973
7888	BT 50 - WEC 16 / H 80	50	16	80	48	•	-	4974
7890	BT 50 - WEC 20 / H 80	50	20	80	52	•	-	4975
7891	BT 50 - WEC 25 / H 100	50	25	100	65	•	-	4976
7892	BT 50 - WEC 32 / H 105	50	32	105	72	•	-	4977
7893	BT 50 - WEC 40 / H 120	50	40	120	80	•	-	4977

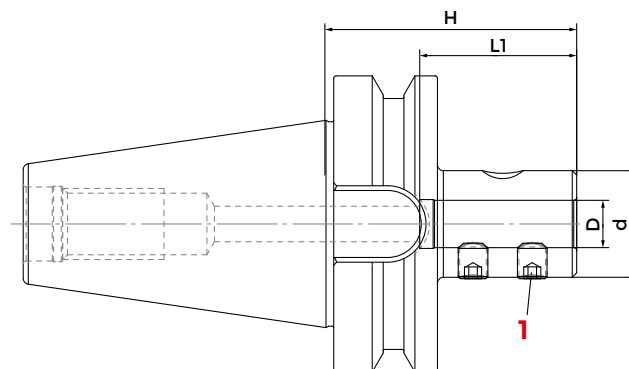
MANDRINI PORTAFRESE TIPO WHISTLE NOTCH



JIS-B 6339 MAS 403/BT FORMA AD - DIN 1835 B

COD.	DESCRIZIONE	ISO	D	L	d	G6.3 12000	1
							GRANO
							
4666	BT 40 - WN 6 / H 50	40	6	50	25	•	4970
4667	BT 40 - WN 8 / H 50	40	8	50	28	•	4971
4668	BT 40 - WN 10 / H 63	40	10	63	35	•	4972
4669	BT 40 - WN 12 / H 63	40	12	63	42	•	4973
4670	BT 40 - WN 14 / H 63	40	14	63	44	•	4973
4671	BT 40 - WN 16 / H 63	40	16	63	48	•	4974
4672	BT 40 - WN 18 / H 63	40	18	63	50	•	4974
4673	BT 40 - WN 20 / H 63	40	20	63	52	•	4975
4674	BT 40 - WN 25 / H 90	40	25	90	65	•	4976
4675	BT 40 - WN 32 / H 100	40	32	100	72	•	4977
4692	BT 40 - WN 40 / H 105	40	40	105	80	•	4977

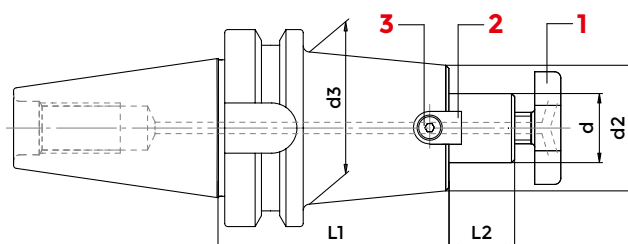
PORTAPUNTE



JIS-B 6339 MAS-403/BT FORMA AD

COD.	DESCRIZIONE	ISO	D	d	H	L1	G6.3 12000	1 GRANO
								
8574	BT 40 - D. 16 P	40	16	36	75	54	•	0403
8575	BT 40 - D. 20 P	40	20	40	75	54	•	0403
8576	BT 40 - D. 25 P	40	25	45	80	59	•	0417
8577	BT 40 - D. 32 P	40	32	52	85	63	•	0417
8721	BT 50 - D. 16 P	50	16	36	80	54	•	0403
8722	BT 50 - D. 20 P	50	20	40	80	54	•	0403
8723	BT 50 - D. 25 P	50	25	45	90	59	•	0417
8724	BT 50 - D. 32 P	50	32	52	90	63	•	0417
8725	BT 50 - D. 40 P	50	40	60	100	73	•	0493

MANDRINI PORTAFRESE A TRASCINAMENTO FISSO

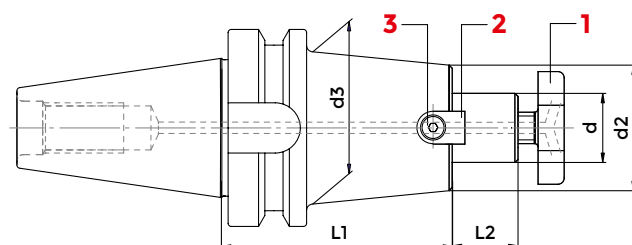


JIS-B 6339 MAS 403/BT FORMA AD/B - ISO 3937

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	d	L1	L2	d2	d3	G6,3 8000	1	2	3	
										VITE TESTA A CROCE	TASSELLO	VITE	CHIAVE
													
4152	-	BT 30 - D. 16 FISSO / H 35	30	16	35	17	38	-	•	4985	7421	0255	4562
4154	-	BT 30 - D. 22 FISSO / H 40	30	22	40	19	48	-	•	4986	7427	0256	4563
4156	-	BT 30 - D. 27 FISSO / H 40	30	27	40	21	58	-	•	4987	7428	7414	4564
4161	5881	BT 40 - D. 16 FISSO / H 45	40	16	45	17	38	-	•	4985	7421	0255	4562
5578	5882	BT 40 - D. 16 FISSO / H 100	40	16	100	17	38	-	•	4985	7421	0255	4562
9420	9430	BT 40 - D. 16 FISSO / H 130	40	16	130	17	38	-	•	4985	7421	0255	4562
8415	8438	BT 40 - D. 16 FISSO / H 160	40	16	160	17	38	-	•	4985	7421	0255	4562
4644	5883	BT 40 - D. 22 FISSO / H 45	40	22	45	19	48	-	•	4986	7427	0256	4563
5588	5884	BT 40 - D. 22 FISSO / H 100	40	22	100	19	46	48	•	4986	7427	0256	4563
9491	-	BT 40 - D. 22 FISSO / H 100 FIS.63	40	22	100	19	50	59	•	4986	7427	0256	4563
9421	9431	BT 40 - D. 22 FISSO / H 130	40	22	130	19	46	48	•	4986	7427	0256	4563
5589	8440	BT 40 - D. 22 FISSO / H 160	40	22	160	19	46	48	•	4986	7427	0256	4563
4645	5885	BT 40 - D. 27 FISSO / H 45	40	27	45	21	58	-	•	4987	7428	7414	4564
5590	5886	BT 40 - D. 27 FISSO / H 100	40	27	100	21	48	-	•	4987	7436	0205	4564
9422	9432	BT 40 - D. 27 FISSO / H 130	40	27	130	21	55	-	•	4987	7428	7414	4564
5591	8442	BT 40 - D. 27 FISSO / H 160	40	27	160	21	55	-	•	4987	7428	7414	4564
4646	5887	BT 40 - D. 32 FISSO / H 50	40	32	50	24	78	-	•	4988	7429	0099	4565
5592	5888	BT 40 - D. 32 FISSO / H 100	40	32	100	24	58	-	•	4988	7437	0482	4565
8419	8444	BT 40 - D. 32 FISSO / H 160	40	32	160	24	66	-	•	4988	7439	0207	4565
4647	5889	BT 40 - D. 40 FISSO / H 55	40	40	55	27	88	-	•	4989	7430	0099	4566
8420	8445	BT 40 - D. 40 FISSO / H 100	40	40	100	27	70	-	•	4989	7438	0207	4566
-	9025	BT 40 - D. 40 FISSO / H 130	40	40	130	27	88	60	•	4989	7430	0099	4566
8421	8446	BT 40 - D. 40 FISSO / H 160	40	40	160	27	88	-	•	4989	7430	0099	4566
4648	5890	BT 50 - D. 16 FISSO / H 60	50	16	60	17	38	-	•	4985	7421	0255	4562
5593	5891	BT 50 - D. 16 FISSO / H 100	50	16	100	17	38	-	•	4985	7421	0255	4562
9425	9435	BT 50 - D. 16 FISSO / H 130	50	16	130	17	38	-	•	4985	7421	0255	4562
8422	8447	BT 50 - D. 16 FISSO / H 160	50	16	160	17	38	-	•	4985	7421	0255	4562
8423	8448	BT 50 - D. 16 FISSO / H 200	50	16	200	17	38	-	•	4985	7421	0255	4562
4172	5892	BT 50 - D. 22 FISSO / H 60	50	22	60	19	48	-	•	4986	7427	0256	4563
5659	5893	BT 50 - D. 22 FISSO / H 100	50	22	100	19	46	49	•	4986	7427	0256	4563
9492	-	BT 50 - D. 22 FISSO / H 100 FIS.63	50	22	100	19	50	60	•	4986	7427	0256	4563

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MANDRINI PORTAFRESE A TRASCINAMENTO FISSO



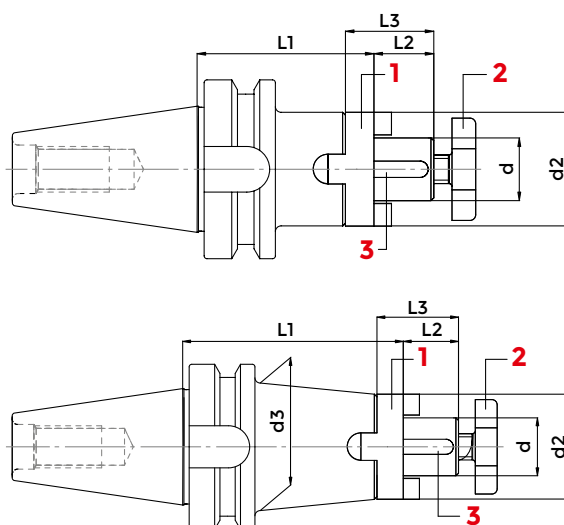
JIS-B 6339 MAS 403/BT FORMA AD/B - ISO 3937

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	d	L1	L2	d2	d3	G6,3 8000	1	2	3	
										VITE TESTA A CROCE	TASSELLO	VITE	CHIAVE
													
9426	9436	BT 50 - D. 22 FISSO / H 130	50	22	130	19	46	56	•	4986	7427	0256	4563
5660	8449	BT 50 - D. 22 FISSO / H 160	50	22	160	19	46	49	•	4986	7427	0256	4563
9493	-	BT 50 - D. 22 FISSO / H 160 FIS.63	50	22	160	19	50	60	•	4986	7427	0256	4563
9024	-	BT 50 - D. 22 FISSO / H 200 FIS.63	50	22	200	19	50	60	•	4986	7427	0256	4563
4649	5894	BT 50 - D. 27 FISSO / H 60	50	27	60	21	58	-	•	4987	7428	7414	4564
5666	5895	BT 50 - D. 27 FISSO / H 100	50	27	100	21	55	78	•	4987	7428	7414	4564
9427	9437	BT 50 - D. 27 FISSO / H 130	50	27	130	21	55	78	•	4987	7428	7414	4564
5667	8453	BT 50 - D. 27 FISSO / H 160	50	27	160	21	55	78	•	4987	7428	7414	4564
4650	5896	BT 50 - D. 32 FISSO / H 60	50	32	60	24	78	-	•	4988	7429	0099	4565
5669	5897	BT 50 - D. 32 FISSO / H 100	50	32	100	24	66	78	•	4988	7439	0099	4565
9428	9438	BT 50 - D. 32 FISSO / H 130	50	32	130	24	66	78	•	4988	7439	0099	4565
8430	8457	BT 50 - D. 32 FISSO / H 160	50	32	160	24	66	78	•	4988	7439	0099	4565
4651	5898	BT 50 - D. 40 FISSO / H 60	50	40	60	27	88	-	•	4989	7430	0099	4566
5676	5899	BT 50 - D. 40 FISSO / H 100	50	40	100	27	70	78	•	4989	7438	0207	4566
-	9026	BT 50 - D. 40 FISSO / H 130	50	40	130	27	70	-	•	4989	7438	0207	4566
8434	8461	BT 50 - D. 40 FISSO / H 160	50	40	160	27	70	78	•	4989	7438	0207	4566

ACCESSORI



MANDRINI PORTAFRESE COMBINATI



JIS-B 6339 MAS 403/BT FORMA A - DIN 6358

COD.	DESCRIZIONE	ISO	d	L1	L2	L3	d2	d3	G6,3 8000	1	2	3
										GIUNTO DI TRASCINAMENTO	VITE TESTA A CROCE	CHIAVETTA CHIAVE
												
3797	BT 30 - D.16 C / H 50	30	16	50	17	27	32	-	•	4090	4985	0115 4562
0953	BT 30 - D.16 C / H 100	30	16	100	17	27	32	-	•	4090	4985	0115 4562
3798	BT 30 - D.22 C / H 50	30	22	50	19	31	40	-	•	4091	4986	0116 4563
0967	BT 30 - D.22 C / H 100	30	22	100	19	31	40	-	•	4091	4986	0016 4563
3943	BT 30 - D.27 C / H 55	30	27	55	21	33	48	-	•	4092	4987	0122 4564
3802	BT 40 - D.16 C / H 55	40	16	55	17	27	32	-	•	4090	4985	0115 4562
4113	BT 40 - D.16 C / H 100	40	16	100	17	27	32	44	•	4090	4985	0115 4562
8483	BT 40 - D.16 C / H 160	40	16	160	17	27	32	44	•	4090	4985	0115 4562
3803	BT 40 - D.22 C / H 55	40	22	55	19	31	40	-	•	4091	4986	0116 4563
4114	BT 40 - D.22 C / H 100	40	22	100	19	31	40	-	•	4091	4986	0116 4563
8484	BT 40 - D.22 C / H 160	40	22	160	19	31	40	47	•	4091	4986	0116 4563
3804	BT 40 - D.27 C / H 55	40	27	55	21	33	48	-	•	4092	4987	0122 4564
4115	BT 40 - D.27 C / H 100	40	27	100	21	33	48	-	•	4092	4987	0122 4564
8485	BT 40 - D.27 C / H 160	40	27	160	21	33	48	55	•	4092	4987	0122 4564
3805	BT 40 - D.32 C / H 60	40	32	60	24	38	58	-	•	4093	4988	0125 4565
4116	BT 40 - D.32 C / H 100	40	32	100	24	38	58	-	•	4093	4988	0125 4565
8486	BT 40 - D.32 C / H 160	40	32	160	24	38	58	-	•	4093	4988	0125 4565
3806	BT 40 - D.40 C / H 60	40	40	60	27	41	70	-	•	4094	4989	0133 4566
3810	BT 40 - D.40 C / H 100	40	40	100	27	41	70	-	•	4094	4989	0133 4566
3812	BT 50 - D.16 C / H 70	50	16	70	17	27	32	-	•	4090	4985	0115 4562
4117	BT 50 - D.16 C / H 100	50	16	100	17	27	32	44	•	4090	4985	0115 4562
3813	BT 50 - D.22 C / H 70	50	22	70	19	31	40	-	•	4091	4986	0116 4563
4118	BT 50 - D.22 C / H 100	50	22	100	19	31	40	50	•	4091	4986	0116 4563
3814	BT 50 - D.27 C / H 70	50	27	70	21	33	48	-	•	4092	4987	0122 4564
4119	BT 50 - D.27 C / H 100	50	27	100	21	33	48	60	•	4092	4987	0122 4564
3815	BT 50 - D.32 C / H 70	50	32	70	24	38	58	-	•	4093	4988	0125 4565
4120	BT 50 - D.32 C / H 100	50	32	100	24	38	58	-	•	4093	4988	0125 4565
3816	BT 50 - D.40 C / H 70	50	40	70	27	41	70	-	•	4094	4989	0133 4566
4121	BT 50 - D.40 C / H 100	50	40	100	27	41	70	-	•	4094	4989	0133 4566

ACCESSORI

p. 675



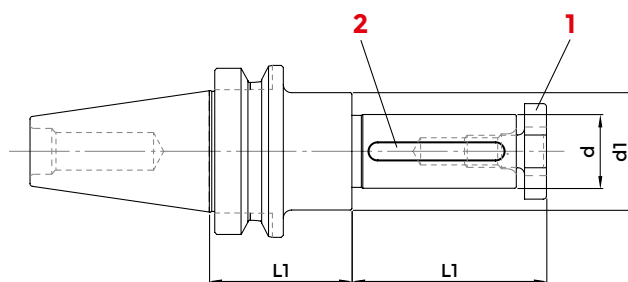
p. 674



p. 675



MANDRINI PORTAFRESE CON CHIAVETTA DI TRASCINAMENTO



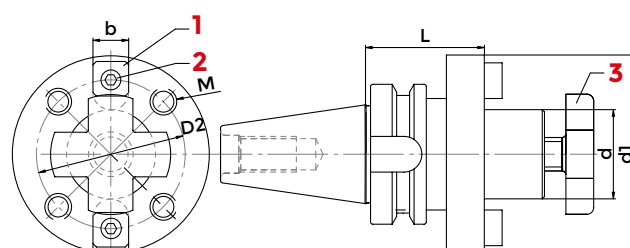
JIS-B 6339 MAS 403/BT FORMA A - DIN 6358

COD.	DESCRIZIONE	ISO	d	L1	L2	d1	G6.3 8000	1	2	
								VITE TESTA A CROCE	CHIAVETTA	CHIAVE
8503	BT 40 - D. 16 CHT	40	16	52	30	28	•			
8504	BT 40 - D. 22 CHT	40	22	52	40	36	•	4985	0147	4562
8505	BT 40 - D. 27 CHT	40	27	52	60	43	•	4986	0148	4563
8506	BT 40 - D. 32 CHT	40	32	52	60	48	•	4987	0149	4564
8507	BT 40 - D. 40 CHT	40	40	52	60	56	•	4988	0150	4565
								4989	0151	4566

ACCESSORI



MANDRINI PORTAFRESE PER FRESE A SPIANARE



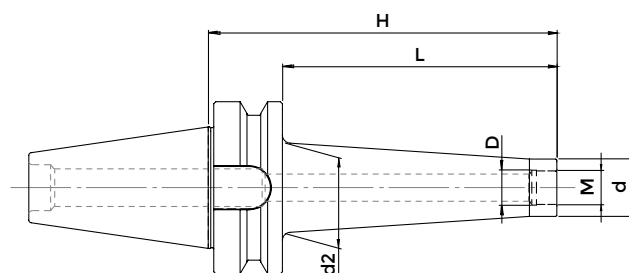
JIS-B 6339 MAS 403/BT A - DIN 6357

COD.	DESCRIZIONE	ISO	d	L	d1	D2	M	b	G6.3 8000	1	2	3
										VITE	TASSELLO	VITE TESTA A CROCE
4186	BT 40 - D. 40 FM	40	40	60	89	66,7	M 12	15,9	•			
4187	BT 50 - D. 40 FM	50	40	70	89	66,7	M 12	15,9	•	0207	0210	4989
4188	BT 50 - D. 60 FM	50	60	80	129	101,6	M16	25,4	•	0207	0210	4989
										0407	0211	-

ACCESSORI



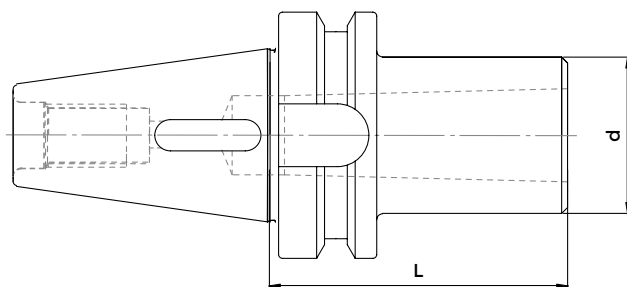
MANDRINI PORTAFRESE CON ATTACCO FILETTATO



JIS-B 6339 MAS 403/BT FORMA A/D - DIN 6358

COD.	DESCRIZIONE	ISO	M	D	d	d2	H	L	G6.3 12000
7827	BT 40 - M 8 / H 55	40	M 8	8,5	13	15	55	28	•
7828	BT 40 - M 8 / H 77	40	M 8	8,5	13	23	77	50	•
7829	BT 40 - M 8 / H 102	40	M 8	8,5	13	23	102	75	•
7830	BT 40 - M 8 / H 127	40	M 8	8,5	13	25	127	100	•
7831	BT 40 - M 10 / H 55	40	M 10	10,5	18	20	55	28	•
7832	BT 40 - M 10 / H 77	40	M 10	10,5	18	23	77	50	•
7833	BT 40 - M 10 / H 102	40	M 10	10,5	18	28	102	75	•
7834	BT 40 - M 10 / H 127	40	M 10	10,5	18	32	127	100	•
7835	BT 40 - M 12 / H 55	40	M 12	12,5	21	24	55	28	•
7836	BT 40 - M 12 / H 77	40	M 12	12,5	21	24	77	50	•
7837	BT 40 - M 12 / H 102	40	M 12	12,5	21	31	102	75	•
7838	BT 40 - M 12 / H 127	40	M 12	12,5	21	33	127	100	•
7839	BT 40 - M 16 / H 55	40	M 16	17,0	29	32	55	28	•
7840	BT 40 - M 16 / H 77	40	M 16	17,0	29	34	77	50	•
7841	BT 40 - M 16 / H 102	40	M 16	17,0	29	34	102	75	•
7842	BT 40 - M 16 / H 127	40	M 16	17,0	29	36	127	100	•
7843	BT 40 - M 16 / H 152	40	M 16	17,0	29	40	152	125	•
7844	BT 50 - M 12 / H 88	50	M 12	12,5	21	24	88	50	•
7845	BT 50 - M 12 / H 138	50	M 12	12,5	21	33	138	100	•
7846	BT 50 - M 12 / H 188	50	M 12	12,5	21	40	188	150	•
8719	BT 50 - M 12 / H 254	50	M 12	12,5	21	42	254	216	•
7847	BT 50 - M 16 / H 88	50	M 16	17,0	29	34	88	50	•
7848	BT 50 - M 16 / H 138	50	M 16	17,0	29	36	138	100	•
7849	BT 50 - M 16 / H 188	50	M 16	17,0	29	42,5	188	150	•
8720	BT 50 - M 16 / H 254	50	M 16	17,0	29	44	254	216	•

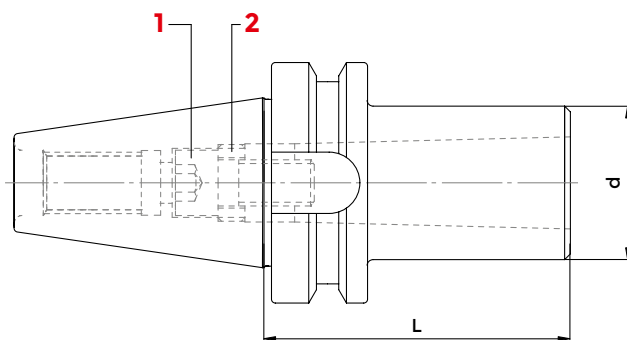
MANDRINI PORTAPUNTE ATTACCO CONO MORSE PER PUNTE



JIS-B 6339 MAS 403/BT FORMA A/D - DIN 228-2

COD.	DESCRIZIONE	ISO	MORSE	d	L	G6.3 8000
8346	BT 30 - CM 1 PUNTE	30	1	25	50	•
3796	BT 30 - CM 2 PUNTE	30	2	32	60	•
3883	BT 30 - CM 3 PUNTE	30	3	40	80	•
8347	BT 40 - CM 1 PUNTE	40	1	25	50	•
8349	BT 40 - CM 2 PUNTE	40	2	32	60	•
3783	BT 40 - CM 3 PUNTE	40	3	40	75	•
3784	BT 40 - CM 4 PUNTE	40	4	48	95	•
8352	BT 50 - CM 1 PUNTE	50	1	25	45	•
8354	BT 50 - CM 2 PUNTE	50	2	32	60	•
8356	BT 50 - CM 3 PUNTE	50	3	40	65	•
3793	BT 50 - CM 4 PUNTE	50	4	48	95	•
3794	BT 50 - CM 5 PUNTE	50	5	63	105	•

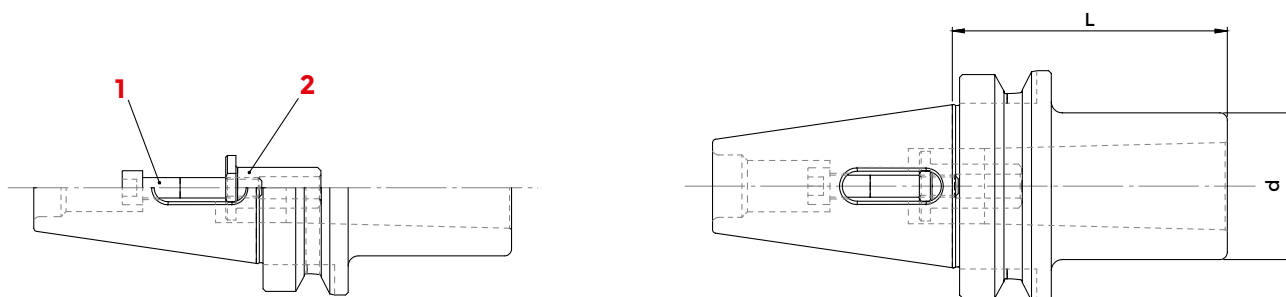
MANDRINI PORTAFRESE ATTACCO CONO MORSE PER FRESE



JIS-B 6339 MAS 403/BT FORMA A - DIN 228-2

COD.	DESCRIZIONE	ISO	MORSE	d	L	G6.3 8000	1	2	
							VITE	GHIERA SX	CHIAVE
3884	BT 30 - CM 3 FRESE	30	3	40	80	•			
3886	BT 40 - CM 2 FRESE	40	2	32	50	•	7402	7423	4570
3887	BT 40 - CM 3 FRESE	40	3	40	75	•	7448	7422	4569
3888	BT 40 - CM 4 FRESE	40	4	48	95	•	7403	7423	4570
3801	BT 50 - CM 2 FRESE	50	2	32	50	•	7404	7424	4571
2933	BT 50 - CM 3 FRESE	50	3	40	65	•	7448	7422	4569
3890	BT 50 - CM 4 FRESE	50	4	48	95	•	7403	7423	4570
3891	BT 50 - CM 5 FRESE	50	5	63	120	•	7407	7424	4571
							7408	7425	4572

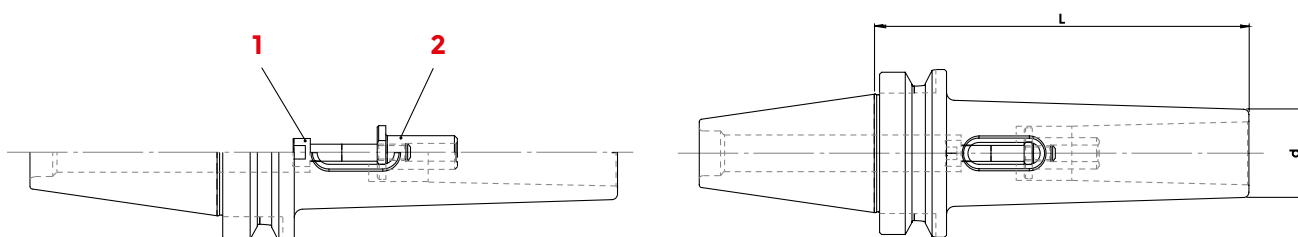
MANDRINI PORTAPUNTE-PORTAFRESE CON ATTACCO CONO MORSE



JIS-B 6339 MAS 403/BT FORMA A - DIN 228-2

COD.	DESCRIZIONE	ISO	MORSE	d	L	G6.3 8000	1	2
							VITE	RIDUTTORE
								
3781	BT 40 - CM 1 P+ F	40	1	25	50	•	7400	-
3782	BT 40 - CM 2 P+ F	40	2	32	60	•	7401	-
8360	BT 40 - CM 3 P+ F	40	3	40	75	•	7400	0130
3790	BT 50 - CM 1 P+ F	50	1	25	45	•	7400	-
3791	BT 50 - CM 2 P+ F	50	2	32	60	•	7405	-
3792	BT 50 - CM 3 P+ F	50	3	40	65	•	7406	-
8361	BT 50 - CM 4 P+ F	50	4	48	95	•	7409	-

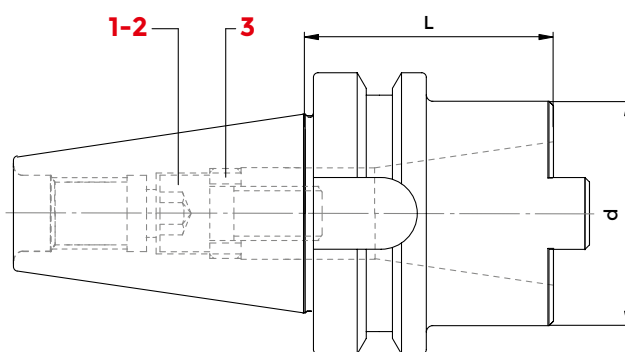
MANDRINI PORTAPUNTE-PORTAFRESE CON ATTACCO CONO MORSE



JIS-B 6339 MAS 403/BT FORMA A - DIN 228-2

COD. PUNTE	COD. PUNTE+FRESE	DESCRIZIONE	ISO	MORSE	d	L	G6.3 8000	1	2
								VITE	RIDUTTORE
									
8348	4258	BT 40 - CM 1	40	1	18	115	•	7400	-
8350	4259	BT 40 - CM 2	40	2	25	120	•	7401	-
8351	4260	BT 40 - CM 3	40	3	33	140	•	7400	0130
4261	-	BT 40 - CM 4	40	4	40	165	•	-	-
8353	4263	BT 50 - CM 1	50	1	18	120	•	7400	-
8355	4264	BT 50 - CM 2	50	2	25	140	•	7405	-
8357	4265	BT 50 - CM 3	50	3	33	150	•	7406	-
8358	4266	BT 50 - CM 4	50	4	40	180	•	7409	-
8359	-	BT 50 - CM 5	50	5	55	220	•	-	-

MANDRINI RIDUZIONE DA BT A ISO/TC/BT

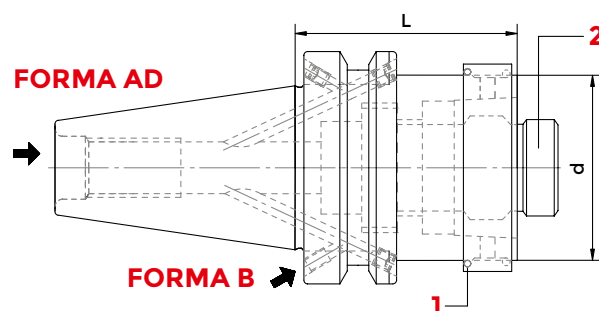


JIS-B 6339 MAS 403/BT FORMA A - MAS403BT

COD.	DESCRIZIONE	ISO	d	L	G6,3 8000	1	2	3	
						VITE DIN 2080	VITE BT DIN 69871	GHIERA	CHIAVE
4180	BT 40 - ISO 30 / TC 30 / BT 30	30	50	70	•				
8707	BT 40 - ISO 40 / TC 40 / BT 40	40	68	100	•	* 7410	* 0177	* 7423	4570
4273	BT 50 - ISO 40 / TC 40 / BT 40	40	78	70	•	* 7411	* 0179	* 7424	4571
8708	BT 50 - ISO 50 / TC 50 / BT 50	50	100	120	•	* 7417	* 0254	* 7426	4780

*compresi nella fornitura

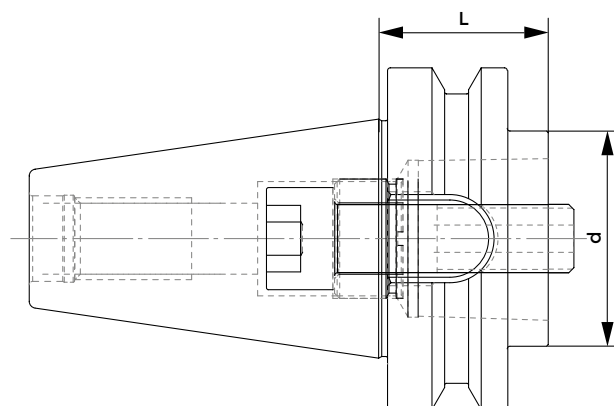
MANDRINI RIDUZIONE DA BT A HSK A+C



JIS-B 6339 MAS 403/BT FORMA AD/B

COD.	DESCRIZIONE	ISO	d	L	G6,3 8000	1	2
						ANELLO DI BLOCCAGGIO	UNITÀ DI BLOCCAGGIO
6098	BT 40 - HSK 63 A+C	40	63	80	•	H63A-AN	H63A-UBL
6099	BT 50 - HSK 63 A+C	50	63	70	•	H63A-AN	H63A-UBL

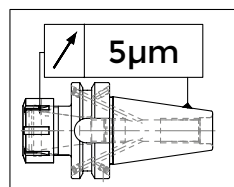
MANDRINI RIDUZIONE DA BT A POLIGONALE



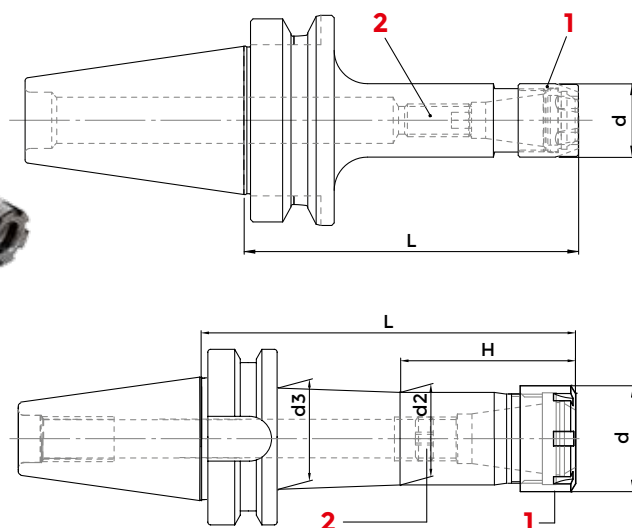
JIS-B 6339 MAS 403/BT FORMA AD/B - MAS403BT

COD.	DESCRIZIONE	ISO	d	L	G6,3 8000
11030	BT 40 - C 63 / H 75	40	63	75	•
11032	BT 50 - C 40/ H 70	50	40	70	•
11036	BT 50 - C 63 / H 90	50	63	90	•

MANDRINI PORTAPINZA TIPO ER MINI



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm

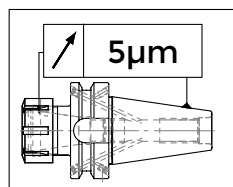


JIS-B 6339 MAS 403/BT AD/B - DIN 6358

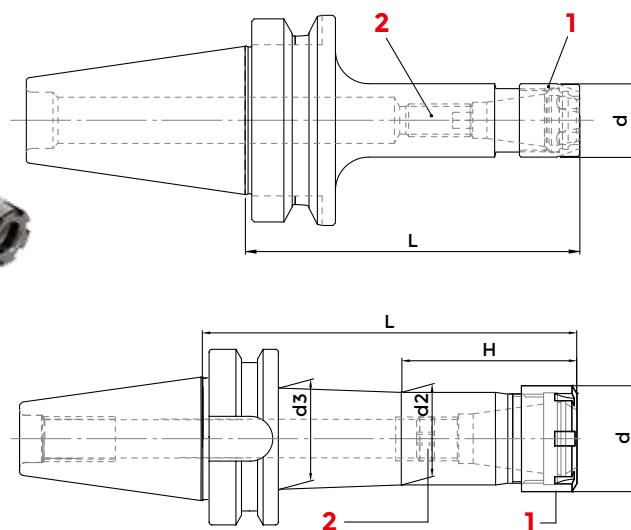
COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	ER	d	d2	d3	L	H	G6,3 12000	G6,3 15000	1 2			
												GHIERA	GRANO	CHIAVE	PINZA
3329	-	BT 30 - ER 11 GM /H 70 SLIM LINE	30	ER 11:8	16	16	19	70	20	-	•				
9655	-	BT 30 - ER 11 GM /H 100 SLIM LINE	30	ER 11:8	16	14	20	100	20	-	•	5691	0181	5718	5573
3039	-	BT 30 - ER 16 GM /H 80 SLIM LINE	30	ER 16:12	22	22	-	80	-	-	•	5694	0183	5719	0364
3454	-	BT 30 - ER 16 GM /H 120 SLIM LINE	30	ER 16:12	22	22	-	120	-	-	•	5694	0183	5719	0364
3271	4855	BT 40 - ER 11 GM /H 70 SLIM LINE	40	ER 11:8	16	14	20	70	20	-	•	5691	0181	5718	5573
3174	4856	BT 40 - ER 11 GM /H 100 SLIM LINE	40	ER 11:8	16	14	20	100	40	-	•	5691	0181	5718	5573
3272	4857	BT 40 - ER 11 GM /H 130 SLIM LINE	40	ER 11:8	16	16	-	130	-	-	•	5691	0181	5718	5573
4687	4858	BT 40 - ER 11 GM /H 160 SLIM LINE	40	ER 11:8	16	14	27	160	50	-	•	5691	0181	5718	5573
3455	4859	BT 40 - ER 16 GM /H 70 SLIM LINE	40	ER 16:12	22	22	25	70	27	-	•	5694	0183	5719	0364
3456	4860	BT 40 - ER 16 GM /H 100 SLIM LINE	40	ER 16:12	22	22	26	100	47	-	•	5694	0183	5719	0364
3457	4861	BT 40 - ER 16 GM /H 130 SLIM LINE	40	ER 16:12	22	22	-	130	-	-	•	5694	0183	5719	0364
4688	4862	BT 40 - ER 16 GM /H 160 SLIM LINE	40	ER 16:12	22	22	26	160	97	-	•	5694	0183	5719	0364
4781	4812	BT 40 - ER 16 GM /H 200 SLIM LINE	40	ER 16:12	22	22	-	200	-	-	•	5694	0183	5719	0364
3041	4501	BT 40 - ER 20 GM /H 70 SLIM LINE	40	ER 20:15	28	27	-	70	-	-	•	5695	4973	5720	0787
3461	4863	BT 40 - ER 20 GM /H 100 SLIM LINE	40	ER 20:15	28	27	30	100	48	-	•	5695	4973	5720	0787
3458	4864	BT 40 - ER 20 GM /H 130 SLIM LINE	40	ER 20:15	28	27	-	130	-	-	•	5695	4973	5720	0787
4689	4865	BT 40 - ER 20 GM /H 160 SLIM LINE	40	ER 20:15	28	27	31	160	98	-	•	5695	4973	5720	0787
4782	4813	BT 40 - ER 20 GM /H 200 SLIM LINE	40	ER 20:15	28	27	-	200	-	-	•	5695	4973	5720	0787
3043	4656	BT 40 - ER 25 GM /H 70 SLIM LINE	40	ER 25:20	35	33	-	70	-	-	•	5696	0190	5721	0996
3175	4866	BT 40 - ER 25 GM /H 100 SLIM LINE	40	ER 25:20	35	33	-	100	-	-	•	5696	0190	5721	0996
4690	4867	BT 40 - ER 25 GM /H 130 SLIM LINE	40	ER 25:20	35	33	-	130	-	-	•	5696	0190	5721	0996
3459	4868	BT 40 - ER 25 GM /H 160 SLIM LINE	40	ER 25:20	35	33	33	160	103	-	•	5696	0190	5721	0996
3460	4814	BT 40 - ER 25 GM /H 200 SLIM LINE	40	ER 25:20	35	33	-	200	-	-	•	5696	0190	5721	0996
9656	-	BT 50 - ER 16 GM /H 100 SLIM LINE	50	ER 16:12	22	22	26	100	47	•	-	5694	0183	5719	0364
3463	4869	BT 50 - ER 16 GM /H 130 SLIM LINE	50	ER 16:12	22	22	-	130	-	•	-	5694	0183	5719	0364

segue >>

MANDRINI PORTAPINZA TIPO ER MINI



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



JIS-B 6339 MAS 403/BT AD/B - DIN 6358

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	ER	d	d2	d3	L	H	G6,3 12000	G6,3 15000	1 2 3			
												GHIERA	GRANO	CHIAVE	PINZA
3494	4833	BT 50 - ER 16 GM /H 160 SLIM LINE	50	ER 16 $\pm$ 12	22	22	28	160	97	•	-				
3495	4834	BT 50 - ER 16 GM /H 200 SLIM LINE	50	ER 16 $\pm$ 12	22	22	-	200	-	•	-	5694	0183	5719	0364
3464	4870	BT 50 - ER 20 GM /H 130 SLIM LINE	50	ER 20 $\pm$ 15	28	27	-	130	-	•	-	5695	4973	5720	0787
3045	4657	BT 50 - ER 20 GM /H 160 SLIM LINE	50	ER 20 $\pm$ 15	28	27	-	160	-	•	-	5695	4973	5720	0787
3048	4658	BT 50 - ER 20 GM /H 200 SLIM LINE	50	ER 20 $\pm$ 15	28	27	-	200	-	•	-	5695	4973	5720	0787
3051	4659	BT 50 - ER 25 GM /H 130 SLIM LINE	50	ER 25 $\pm$ 20	35	34	-	130	-	•	-	5696	0190	5721	0996
3462	4871	BT 50 - ER 25 GM /H 160 SLIM LINE	50	ER 25 $\pm$ 20	35	34	40	160	108	•	-	5696	0190	5721	0996
3061	4660	BT 50 - ER 25 GM /H 200 SLIM LINE	50	ER 25 $\pm$ 20	35	34	-	200	-	•	-	5696	0190	5721	0996

ACCESSORI

p. 632



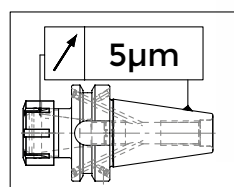
p. 615



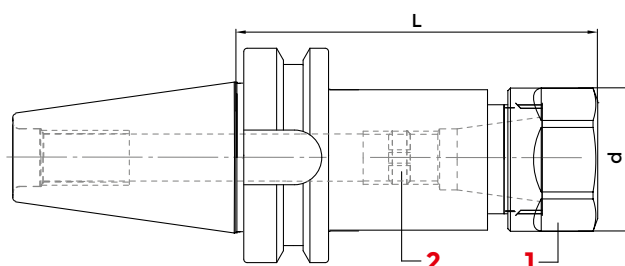
p. 635



MANDRINI PORTAPINZA CON GHIERA ER TIPO ESAGONALE



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



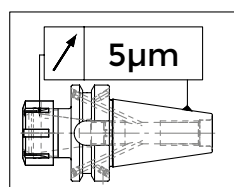
JIS-B 6339 MAS 403/BT A - DIN 6358

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	ER	d	L	G6,3 15000	1	2	CHIAVE	PINZA
								GHIERA	GRANO		
8084	-	BT 30 - ER 16 GE / H 55	30	ER 16 1÷12	28	55	•				
8085	-	BT 30 - ER 16 GE / H 100	30	ER 16 1÷12	28	100	•	1214	0183	2906	0364
8086	-	BT 30 - ER 20 GE / H 55	30	ER 20 1÷15	34	55	•	1215	0183	2907	0787
8087	-	BT 30 - ER 20 GE / H 100	30	ER 20 1÷15	34	100	•	1215	0183	2907	0787
3447	4843	BT 40 - ER 11 GE / H 70	40	ER 11 1÷ 8	19	70	•	1157	0181	2905	5573
3448	4844	BT 40 - ER 11 GE / H 100	40	ER 11 1÷ 8	19	100	•	1157	0181	2905	5573
3449	4845	BT 40 - ER 11 GE / H 130	40	ER 11 1÷ 8	19	130	•	1157	0181	2905	5573
3450	4846	BT 40 - ER 11 GE / H 160	40	ER 11 1÷ 8	19	160	•	1157	0181	2905	5573
8088	8104	BT 40 - ER 16 GE / H 70	40	ER 16 1÷12	28	70	•	1214	0183	2906	0364
8089	8105	BT 40 - ER 16 GE / H 100	40	ER 16 1÷12	28	100	•	1214	0183	2906	0364
8090	8106	BT 40 - ER 16 GE / H 130	40	ER 16 1÷12	28	130	•	1214	0183	2906	0364
8091	8107	BT 40 - ER 16 GE / H 160	40	ER 16 1÷12	28	160	•	1214	0183	2906	0364
8092	-	BT 40 - ER 16 GE / H 200	40	ER 16 1÷12	28	200	•	1214	0183	2906	0364
8093	8109	BT 40 - ER 20 GE / H 70	40	ER 20 1÷15	34	70	•	1215	0183	2907	0787
8094	8110	BT 40 - ER 20 GE / H 100	40	ER 20 1÷15	34	100	•	1215	0183	2907	0787
8095	8111	BT 40 - ER 20 GE / H 130	40	ER 20 1÷15	34	130	•	1215	0183	2907	0787
8096	8112	BT 40 - ER 20 GE / H 160	40	ER 20 1÷15	34	160	•	1215	0183	2907	0787
8097	-	BT 40 - ER 20 GE / H 200	40	ER 20 1÷15	34	200	•	1215	0183	2907	0787

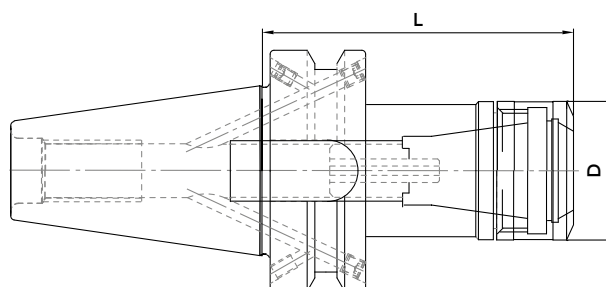
ACCESSORI



MANDRINI PORTAPINZA TIPO ER - ALTA PRECISIONE



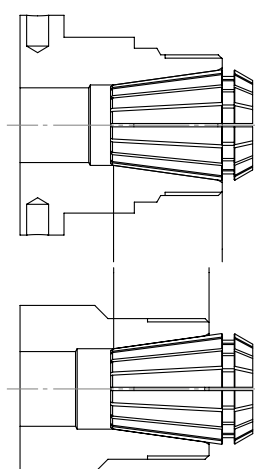
H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



MAS BT AD+B - DIN 6499

COD.	DESCRIZIONE	ISO	L	D	ER	G2.5 30000	GHIERA	CHIAVE
PP91473*	BT30H70ER16-HP	30	70	30	16	•	812-203085	816-203069
PP91474*	BT30H70ER25-HP	30	70	40	25	•	812-203086	816-203070
PP91475*	BT30H70ER32-HP	30	70	50	32	•	812-203087	816-203071
PP91462	BT40H70ER16-HP	40	70	30	16	•	812-203085	816-203069
PP91463	BT40H70ER25-HP	40	70	40	25	•	812-203086	816-203070
PP91464	BT40H70ER32-HP	40	70	50	32	•	812-203087	816-203071
PP91467	BT40H100ER16-HP	40	100	30	16	•	812-203085	816-203069
PP91469	BT40H100ER25-HP	40	100	40	25	•	812-203086	816-203070
PP91470	BT40H100ER32-HP	40	100	50	32	•	812-203087	816-203071
PP91465	BT50H80ER16-HP	50	80	30	16	•	812-203085	816-203069
PP91471	BT50H100ER16-HP	50	100	30	16	•	812-203085	816-203069
PP91472	BT50H100ER32-HP	50	100	50	32	•	812-203087	816-203071

*BT30 solo versione AD



**LINEA ALTA
PRECISIONE**

STANDARD



Cassetta corredo:

- 1 portapinza
- 10 pinze

COD.	DESCRIZIONE
KIT BT40 ER16 HP	BT40 ER16 H70 HP
KIT BT40 ER25 HP	BT40 ER25 H70 HP
KIT BT40 ER32 HP	BT40 ER32 H70 HP

ACCESSORI



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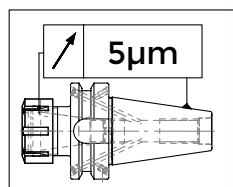
p. 615



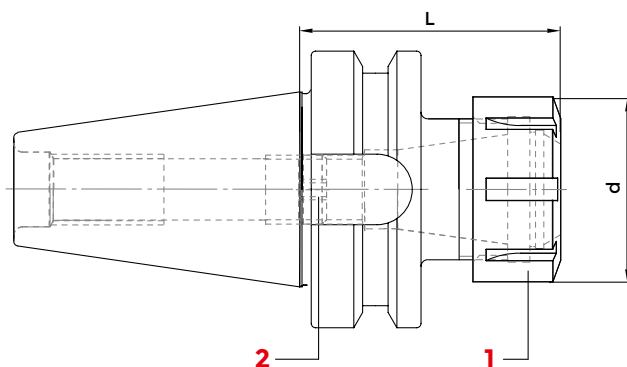
p. 153



MANDRINI PORTAPINZA TIPO ER



H= 0 > 100 mm - 5 µm
 H= 100 > 200 mm - 10 µm

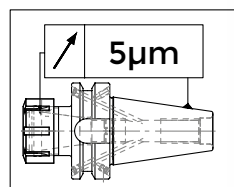


JIS-B 6339 MAS 403/BT AD - DIN 6499/ISO15488

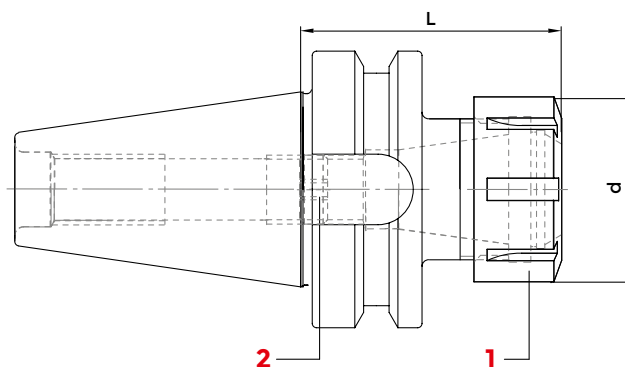
COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	ER	d	L	G6,3 12000	G6,3 15000	1 2			
									GHIERA	GRANO	CHIAVE	PINZA
												
3465	-	BT 30 - ER16 / H 55	30	ER 16 1÷12	32	55	-	•	4993	0183	3698	0364
3438	-	BT 30 - ER16 / H 100	30	ER 16 1÷12	32	100	-	•	4993	0183	3698	0364
3274	-	BT 30 - ER20 / H 55	30	ER 20 1÷15	35	55	-	•	4994	0183	3699	0787
3439	-	BT 30 - ER20 / H 100	30	ER 20 1÷15	35	100	-	•	4994	0183	3699	0787
3250	-	BT 30 - ER25 / H 55	30	ER 25 1÷20	42	55	-	•	4995	0190	3669	0996
3267	-	BT 30 - ER25 / H 100	30	ER 25 1÷20	42	100	-	•	4995	0190	3669	0996
3251	-	BT 30 - ER32 / H 60	30	ER 32 2÷25	50	60	-	•	4996	0190	3670	0988
3252	-	BT 30 - ER32 / H 100	30	ER 32 2÷25	50	100	-	•	4996	0190	3670	0988
3468	4872	BT 40 - ER16 / H 70	40	ER 16 1÷12	32	70	-	•	4993	0186	3698	0364
3469	4873	BT 40 - ER16 / H 100	40	ER 16 1÷12	32	100	-	•	4993	0186	3698	0364
3497	4847	BT 40 - ER16 / H 130	40	ER 16 1÷12	32	130	-	•	4993	0186	3698	0364
3470	4874	BT 40 - ER16 / H 160	40	ER 16 1÷12	32	160	-	•	4993	0186	3698	0364
3498	4852	BT 40 - ER16 / H 200	40	ER 16 1÷12	32	200	-	•	4993	0186	3698	0364
3257	4875	BT 40 - ER20 / H 70	40	ER 20 1÷15	35	70	-	•	4994	4973	3699	0787
3580	4876	BT 40 - ER20 / H 100	40	ER 20 1÷15	35	100	-	•	4994	4973	3699	0787
3113	4853	BT 40 - ER20 / H 130	40	ER 20 1÷15	35	130	-	•	4994	4973	3699	0787
3114	4877	BT 40 - ER20 / H 160	40	ER 20 1÷15	35	160	-	•	4994	4973	3699	0787
3499	4854	BT 40 - ER20 / H 200	40	ER 20 1÷15	35	200	-	•	4994	4973	3699	0787
3258	4878	BT 40 - ER25 / H 70	40	ER 25 1÷20	42	70	-	•	4995	0190	3669	0996
0336	4879	BT 40 - ER25 / H 100	40	ER 25 1÷20	42	100	-	•	4995	0190	3669	0996
0337	4880	BT 40 - ER25 / H 130	40	ER 25 1÷20	42	130	-	•	4995	0190	3669	0996
3115	4881	BT 40 - ER25 / H 160	40	ER 25 1÷20	42	160	-	•	4995	0190	3669	0996
3183	4811	BT 40 - ER25 / H 200	40	ER 25 1÷20	42	200	-	•	4995	0190	3669	0996
3184	4882	BT 40 - ER32 / H 70	40	ER 32 2÷25	50	70	-	•	4996	0191	3670	0988
3259	4883	BT 40 - ER32 / H 100	40	ER 32 2÷25	50	100	-	•	4996	0191	3670	0988
3116	4884	BT 40 - ER32 / H 130	40	ER 32 2÷25	50	130	-	•	4996	0191	3670	0988
3260	4885	BT 40 - ER32 / H 160	40	ER 32 2÷25	50	160	-	•	4996	0191	3670	0988
3117	4886	BT 40 - ER32 / H 200	40	ER 32 2÷25	50	200	-	•	4996	0191	3670	0988
3261	4887	BT 40 - ER40 / H 70	40	ER 40 3÷32	63	70	-	•	4997	0195	3671	0821
3262	4888	BT 40 - ER40 / H 100	40	ER 40 3÷32	63	100	-	•	4997	0195	3671	0821

segue >>

MANDRINI PORTAPINZA TIPO ER



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



JIS-B 6339 MAS 403/BT AD - DIN 6499/ISO15488

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	ER	d	L	G6,3 12000	G6,3 15000	1	2	CHIAVE	PINZA
									GHIERA	GRANO		
												
3263	4889	BT 40 - ER40 / H 130	40	ER 40 3÷32	63	130	-	•	4997	0195	3671	0821
3264	4890	BT 40 - ER40 / H 160	40	ER 40 3÷32	63	160	-	•	4997	0195	3671	0821
3118	4891	BT 40 - ER40 / H 200	40	ER 40 3÷32	63	200	-	•	4997	0195	3671	0821
3265	4931	BT 40 - ER50 / H 85	40	ER 50 6÷36	78	85	-	•	4998	0195	3668	4055
9008	-	BT 50 - ER16 / H 80	50	ER 16 1÷12	32	80	•	-	4993	0186	3698	0364
3474	4892	BT 50 - ER16 / H 100	50	ER 16 1÷12	32	100	•	-	4993	0186	3698	0364
3475	4893	BT 50 - ER16 / H 160	50	ER 16 1÷12	32	160	•	-	4993	0186	3698	0364
3488	4957	BT 50 - ER16 / H 200	50	ER 16 1÷12	32	200	•	-	4993	0186	3698	0364
3119	4894	BT 50 - ER20 / H 100	50	ER 20 1÷15	35	100	•	-	4994	4973	3699	0787
3120	4895	BT 50 - ER20 / H 160	50	ER 20 1÷15	35	160	•	-	4994	4973	3699	0787
3582	4896	BT 50 - ER25 / H 80	50	ER 25 1÷20	42	80	•	-	4995	0190	3669	0996
3583	4897	BT 50 - ER25 / H 100	50	ER 25 1÷20	42	100	•	-	4995	0190	3669	0996
3584	4898	BT 50 - ER25 / H 160	50	ER 25 1÷20	42	160	•	-	4995	0190	3669	0996
3585	4959	BT 50 - ER25 / H 200	50	ER 25 1÷20	42	200	•	-	4995	0190	3669	0996
3275	4899	BT 50 - ER32 / H 80	50	ER 32 2÷25	50	80	•	-	4996	0191	3670	0988
3273	4900	BT 50 - ER32 / H 100	50	ER 32 2÷25	50	100	•	-	4996	0191	3670	0988
3276	4901	BT 50 - ER32 / H 130	50	ER 32 2÷25	50	130	•	-	4996	0191	3670	0988
3277	4902	BT 50 - ER32 / H 160	50	ER 32 2÷25	50	160	•	-	4996	0191	3670	0988
3278	4903	BT 50 - ER32 / H 200	50	ER 32 2÷25	50	200	•	-	4996	0191	3670	0988
3400	4961	BT 50 - ER32 / H 250	50	ER 32 2÷25	50	250	•	-	4996	0191	3670	0988
3279	4904	BT 50 - ER40 / H 80	50	ER 40 3÷32	63	80	•	-	4997	0195	3671	0821
3472	4905	BT 50 - ER40 / H 100	50	ER 40 3÷32	63	100	•	-	4997	0195	3671	0821
3280	4906	BT 50 - ER40 / H 130	50	ER 40 3÷32	63	130	•	-	4997	0195	3671	0821
3281	4907	BT 50 - ER40 / H 160	50	ER 40 3÷32	63	160	•	-	4997	0195	3671	0821
3282	4908	BT 50 - ER40 / H 200	50	ER 40 3÷32	63	200	•	-	4997	0195	3671	0821
3473	4999	BT 50 - ER50 / H 100	50	ER 50 6÷36	78	100	•	-	4998	0195	3668	4055
8046	8047	BT 50 - ER50 / H 160	50	ER 50 6÷36	78	160	•	-	4998	0195	3668	4055

ACCESSORI



KIT CON SERIE RIDOTTA DI PINZE ER, MANDRINO "FORMA AD" E CHIAVE



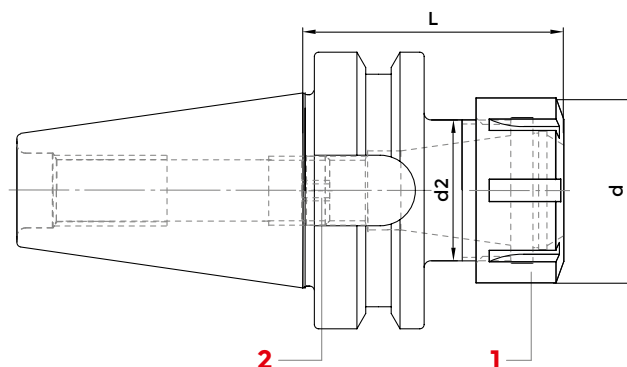
COD.	DESCRIZIONE	ISO	MANDRINO	CASSETTA	CHIAVE	PINZA
						
7784	KIT Rid BT 30 / H 55 - ER 25	30	3250	7022	3669	0996: Ø 4 - 6 - 8 -10 -12 -16
7785	KIT Rid BT 30 / H 60 - ER 32	30	3251	7023	3670	0988: Ø 4 - 6 - 8 -10 -12 -16 - 20
7786	KIT Rid BT 40 / H 70 - ER 25	40	3258	7022	3669	0996: Ø 4 - 6 - 8 -10 -12 -16
7787	KIT Rid BT 40 / H 70 - ER 32	40	3184	7023	3670	0988: Ø 4 - 6 - 8 -10 -12 -16 - 20
7788	KIT Rid BT 40 / H 70 - ER 40	40	3261	7024	3671	0821: Ø 4 - 6 - 8 -10 -12 -16 - 20 -25
7789	KIT Rid BT 50 / H 80 - ER 32	50	3275	7023	3670	0988: Ø 4 - 6 - 8 -10 -12 -16 - 20
7790	KIT Rid BT 50 / H 80 - ER 40	50	3279	7024	3671	0821: Ø 4 - 6 - 8 -10 -12 -16 - 20 -25

KIT CON SERIE COMPLETA DI PINZE ER, MANDRINO "FORMA AD" E CHIAVE



COD.	DESCRIZIONE	ISO	MANDRINO	CASSETTA	CHIAVE	PINZA
						
7791	KIT BT 30 / H 55 - ER 25	30	3250	7022	3669	0996: Ø 2 ÷ 16 (15 Pinze)
7792	KIT BT 30 / H 60 - ER 32	30	3251	7023	3670	0988: Ø 3 ÷ 20 (18 Pinze)
7793	KIT BT 40 / H 70 - ER 25	40	3258	7022	3669	0996: Ø 2 ÷ 16 (15 Pinze)
7794	KIT BT 40 / H 70 - ER 32	40	3184	7023	3670	0988: Ø 3 ÷ 20 (18 Pinze)
7795	KIT BT 40 / H 70 - ER 40	40	3261	7024	3671	0821: Ø 4 ÷ 26 (23 Pinze)
7796	KIT BT 50 / H 80 - ER 32	50	3275	7023	3670	0988: Ø 3 ÷ 20 (18 Pinze)
7797	KIT BT 50 / H 80 - ER 40	50	3279	7024	3671	0821: Ø 4 ÷ 26 (23 Pinze)

MANDRINI PORTAPINZA TIPO ER - LINEA ALTA VELOCITÀ



JIS-B 6339 MAS 403/BT AD - DIN6499/ISO15488

LINEA ALTA VELOCITÀ

COD.	DESCRIZIONE	ISO	ER	d	d2	L	G2,5 30000	2
								GRANO
								
PP91458	BT30H60ER16	30	16	32	22	60	•	0183
PP91459	BT30H60ER20	30	20	35	25	60	•	0183
PP91460	BT30H60ER25	30	25	42	32	60	•	0190
PP91461	BT30H60ER32	30	32	50	40	60	•	0190
PP91401	BT40H70ER16	40	16	32	22	70	•	0183
PP91408	BT40H100ER16	40	16	32	31.5	100	•	0183
PP91402	BT40H70ER25	40	25	42	32	70	•	0190
PP91409	BT40H100ER25	40	25	42	41.5	100	•	0190
PP91403	BT40H70ER32	40	32	50	40	70	•	0190
PP91410	BT40H100ER32	40	32	50	49.5	100	•	0190
PP91406	BT50H80ER32	50	32	50	40	80	•	0190

ACCESSORI



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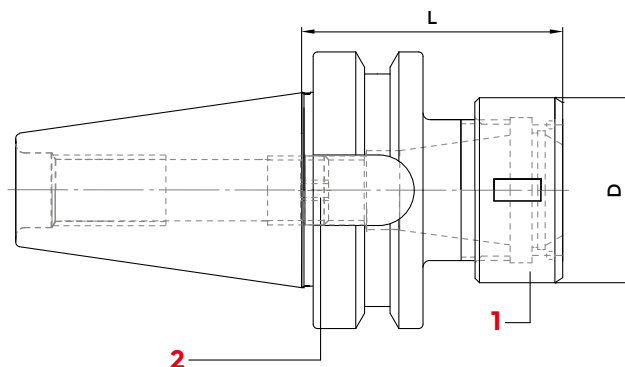
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MANDRINI PORTAPINZA TIPO EOC



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



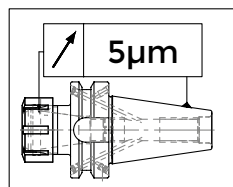
JIS-B 6339 MAS 403/BT AD - DIN 6388

COD.	DESCRIZIONE	ISO	EOC	d	L	G6.3 12000	G6.3 15000	1	2	
								GHIERA	CHIAVE	PINZA
8726	BT 40 - EOC 16 / H 70	40	EOC 16 2÷16	43	70	-	•			
8729	BT 40 - EOC 25 / H 70	40	EOC 25 2÷25	60	70	-	•	4067	2883	0768
8732	BT 40 - EOC 32 / H 80	40	EOC 32 3÷32	72	80	-	•	4068	2909	0769
8735	BT 50 - EOC 25 / H 85	50	EOC 25 2÷25	60	85	•	-	4069	2910	0770
8738	BT 50 - EOC 32 / H 95	50	EOC 32 3÷32	72	95	•	-	4068	2909	0769
8739	BT 50 - EOC 32 / H 130	50	EOC 32 3÷32	72	130	•	-	4069	2910	0770

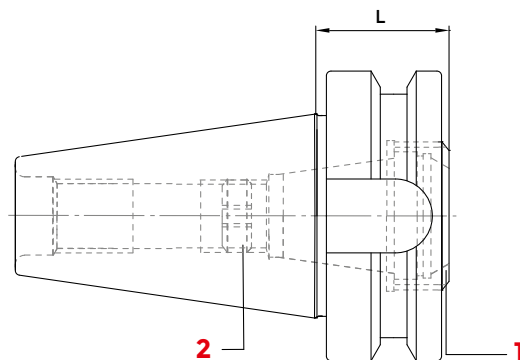
ACCESSORI



MANDRINI PORTAPINZA TIPO ER EXTRACORTI



H= 0 > 100 mm - 5 µm
H= 100 > 200 mm - 10 µm



JIS-B 6339 MAS 403/BT AD - MAS 403/BT A

COD.	DESCRIZIONE	ISO	L	ER	G6.3 12000	G6.3 15000	1	2	
							GHIERA	CHIAVE	PINZA
8041	BT 40 - ER 25 GA	40	29	ER 25 1÷20	-	•			
3067	BT 40 - ER 32 GA	40	29	ER 32 2÷25	-	•	2870	3172	0996
3068	BT 50 - ER 32 GA	50	40	ER 32 2÷25	•	-	2871	3173	0988

ACCESSORI



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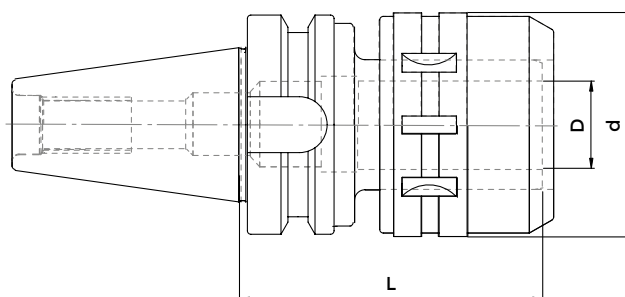
p. 615



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MANDRINI A FORTE SERRAGGIO

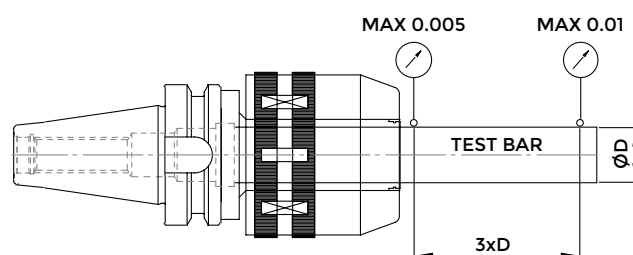


JIS-B 6339 MAS 403/BT AD

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	D	L	d	G6.3 12000	PINZA
								
5114	5228	BT 40 - PC 20 / H 80	40	20	80	54	•	0809
3504	-	BT 40 - PC 20 / H 105	40	20	105	54	•	0809
-	5229	BT 40 - PC 32 / H 85	40	32	85	63	•	0810
3505	-	BT 40 - PC 32 / H 105	40	32	105	72	•	0810
5133	9650	BT 40 - PC 32 / H 135	40	32	135	63	•	0810
3506	9651	BT 50 - PC 20 / H 105	50	20	105	54	•	0809
-	9652	BT 50 - PC 20 / H 135	50	20	135	50	•	0809
3507	9653	BT 50 - PC 32 / H 105	50	32	105	72	•	0810
5136	9654	BT 50 - PC 32 / H 135	50	32	135	72	•	0810

Forniti con chiave inclusa

MANDRINO DI FRESATURA Ø	NORMA DIN 7178-1	TOLLERANZA CONO	OSCILLAZIONE (3D)	COPPIA DI SERRAGGIO
C20	AT3	BT40 (0~+0,003)	0~0,01	980M.m (100Kgf.m)
C32	AT3	BT50 (0~+0,004)	0~0,01	3430M.m (350Kgf.m)



ACCESSORI



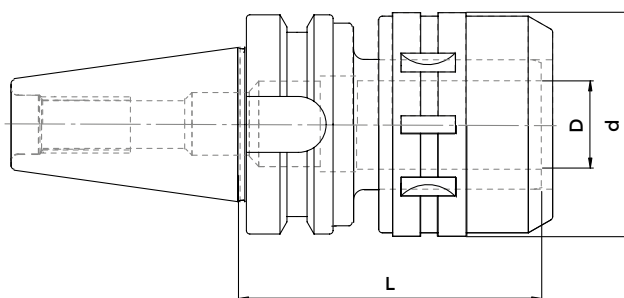
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KIT FORTE SERRAGGIO



COD.	DESCRIZIONE	ISO	MANDRINO	CASSETTA	CHIAVE	PINZA
						
7547	KIT BT 40 - PC 20 / H 80	40	5114	3695	2900	0809 Ø 6 - 8 - 10 - 12 - 16
7713	KIT BT 40 - PC 20 / H 105	40	3504	3695	2900	0809 Ø 6 - 8 - 10 - 12 - 16
7716	KIT BT 40 - PC 32 / H 105	40	3505	3695	2910	0810 Ø 6 - 8 - 10 - 12 - 16 - 20 - 25
7717	KIT BT 50 - PC 20 / H 105	50	3506	3695	2900	0809 Ø 6 - 8 - 10 - 12 - 16
7720	KIT BT 50 - PC 32 / H 105	50	3507	3695	2910	0810 Ø 6 - 8 - 10 - 12 - 16 - 20 - 25

MANDRINI A FORTE SERRAGGIO - LINEA ALTA VELOCITÀ



JIS-B 6339 MAS 403/BT

LINEA ALTA VELOCITÀ

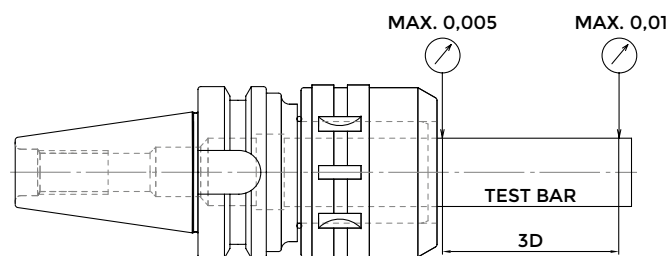
COD.	DESCRIZIONE	ISO	D	d	L	G6.3 20000
FS01510	BT40H80C20HS	40	20	54	80	•
FS01511	BT40H105C20HS	40	20	54	105	•
FS01513	BT50H105C20HS	50	20	54	105	•
FS01514	BT50H105C32HS	50	32	74	105	•

Forniti con chiave inclusa

ACCESSORI



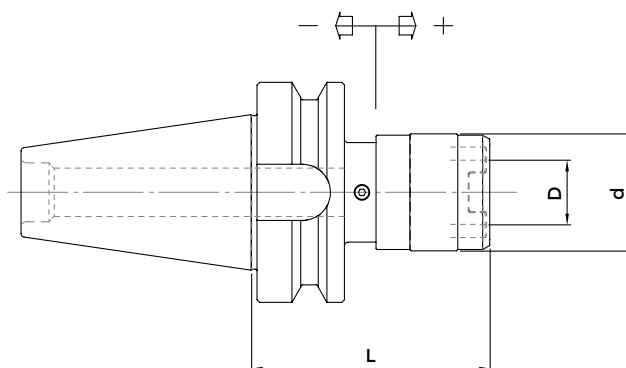
KIT FORTE SERRAGGIO



LINEA ALTA VELOCITÀ

COD.	DESCRIZIONE
KIT BT40 C20HS	N°1 BT40 L90 C20 + n°5 pinze K20: Ø6,8,10,12,16
KIT BT40 C32HS	N°1 BT40 L105 C32 + n°7 pinze K32: Ø6,8,10,12,16,20,25

MASCHIATORI CAMBIO RAPIDO DOPPIA COMPENSAZIONE

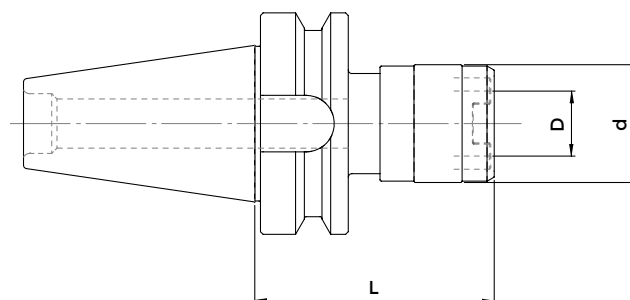


JIS-B 6339 MAS 403/BT A

COD.	DESCRIZIONE	ISO	D	d	L	COMPENSAZIONE	DIMENSIONI MASCHIO
2863	BT 30 - B. 1	30	19	38	63	-7,5 + 7,5	M 3 ÷ M 12 (* M 18)
2865	BT 30 - B. 2	30	31	55	96	-12,5 + 12,5	M 6 ÷ M 20 (* M 30)
3524	BT 40 - B. 1	40	19	38	68	-7,5 + 7,5	M 3 ÷ M 12 (* M 18)
3525	BT 40 - B. 2	40	31	55	93	-12,5 + 12,5	M 6 ÷ M 20 (* M 30)
3526	BT 40 - B. 3	40	48	79	164	-20,0 + 20,0	M 14 ÷ M 33 (* M 48)
3028	BT 50 - B. 1	50	19	38	80	-7,5 + 7,5	M 3 ÷ M 12 (* M 18)
3530	BT 50 - B. 2	50	31	55	102	-12,5 + 12,5	M 6 ÷ M 20 (* M 30)
3531	BT 50 - B. 3	50	48	79	133	-20,0 + 20,0	M 14 ÷ M 33 (* M 48)

* Bussole con GRANI

MASCHIATORI RIGIDI SENZA COMPENSAZIONE

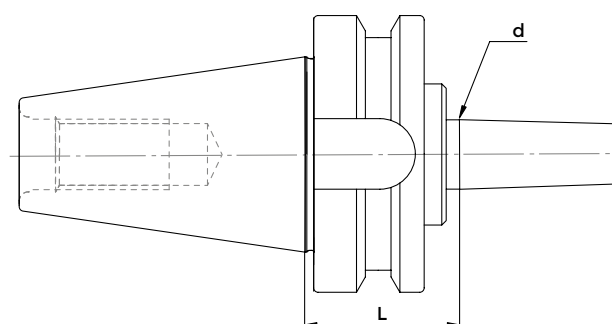


JIS-B 6339 MAS 403/BT A

COD.	DESCRIZIONE	ISO	D	d	L	DIMENSIONI MASCHIO
4951	BT 40 - B. 1 FISSO	40	19	33	67	M 3 ÷ M 12 (* M 18)
4952	BT 40 - B. 2 FISSO	40	31	50	90	M 6 ÷ M 20 (* M 30)
5711	BT 40 - B. 3 FISSO	40	48	72	117	M 14 ÷ M 33 (* M 48)

* Bussole con GRANI

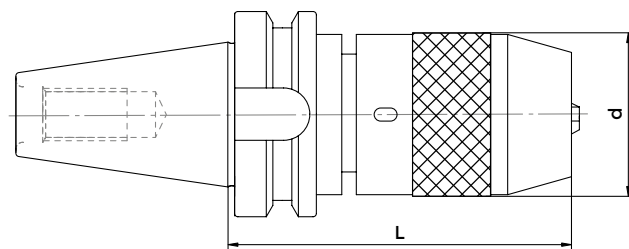
ATTACCO PER MANDRINI PORTAPUNTE



JIS-B 6339 MAS 403/BT AD - DIN 238

COD.	DESCRIZIONE	ISO	L	d	G6.3 8000
3994	BT 30 - B 16	30	40	15,733	•
3865	BT 40 - B 12	40	40	12,065	•
3866	BT 40 - B 16	40	40	15,733	•
3995	BT 40 - B 18	40	40	17,78	•
3996	BT 50 - B 16	50	45	15,733	•
3997	BT 50 - B 18	50	45	17,78	•

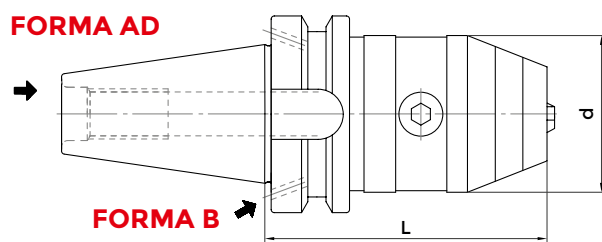
MANDRINI PORTAPUNTE INTEGRALI



JIS-B 6339 MAS 403/BT A

COD.	DESCRIZIONE	ISO	Ø PUNTA	L	d	G6.3 8000	MORSETTI	VITE	CHIAVE
									
8593	BT 30 - DC 13	30	0,5 ÷ 13	90	50	•	9016	9021	2370
4392	BT 40 - DC 13	40	0,5 ÷ 13	90	50	•	9016	9021	2370
4393	BT 40 - DC 16	40	3 ÷ 16	120	57	•	9017	9023	2371
4394	BT 50 - DC 13	50	0,5 ÷ 13	110	50	•	9016	9021	2370
4395	BT 50 - DC 16	50	3 ÷ 16	110	57	•	9017	9023	2371

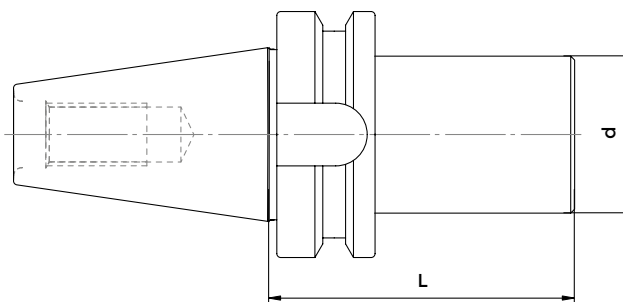
MANDRINI PORTAPUNTE INTEGRALI PER ROTAZIONE DESTRA E SINISTRA



JIS-B 6339 MAS 403/BT A - MAS 403BT/ADB

COD. (AD)	COD. (AD+B)	DESCRIZIONE	ISO	Ø PUNTA	L	d	G6.3 8000	CHIAVE
								
8594	-	BT 30 - DCU 13	30	0,5 ÷ 13	100	50	•	2372
8595	8599	BT 40 - DCU 13	40	0,5 ÷ 13	98	50	•	2372
8596	8600	BT 40 - DCU 16	40	3 ÷ 16	103	50	•	2372
8597	8601	BT 50 - DCU 13	50	0,5 ÷ 13	110	50	•	2372
8598	8602	BT 50 - DCU 16	50	3 ÷ 16	112	50	•	2372

BARRE A STELO TENERO



JIS-B 6339 MAS 403/BT A - AD

COD.	DESCRIZIONE	ISO	d	L
4367	BT 40 - D. 40 ST	40	40	160
4368	BT 40 - D. 50 ST	40	50	200
9490	BT 40 - D. 63 ST	40	63	160
4369	BT 40 - D. 63 ST	40	63	250
4372	BT 50 - D. 63 ST	50	63	250
4373	BT 50 - D. 80 ST	50	80	300