

BIG SIZE
CATALOGO
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PRÄZISIONS-SPANNWERKZEUGE

HIGH PRECISION TOOLHOLDERS

HiTECH *La tecnologia dei mandrini!*



The range of Chucks BIG SIZE La gamma Mandrini grandi dimensioni

- ER Collet Chuck/Mandrino ER
- Power Milling Chuck/Mandrino Forte Serraggio
- Face Mill Holder/Mandrino Porta frese a trascinamento
- End Mill Holder Weldon /Mandrino Weldon
- Shrink Fit Chuck, 4.5°, Standard /Mandrino a Calettare 4,5°
- Milling Cutter Arbor/Mandrino per testine fill.
- Hydraulic Expansion Chuck /Mandrino Idraulico
- Hydraulic Expansion Chuck with "Run Out" adjustment/Mandrino Idraulico con regolazione assiale
- Hydraulic Expansion Chuck Heavy Duty power/ Mandrino Idraulico per impieghi gravosi

Sezione DIN 69871 SK50

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Sezione JIS B 6339 MAS BT 50

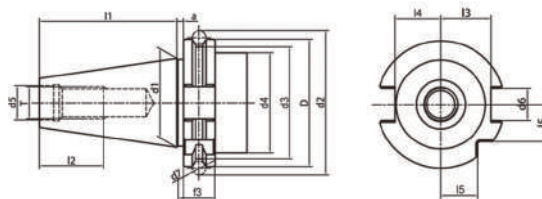
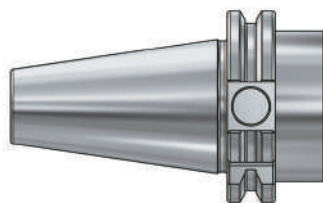
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Sezione DIN 69893 HSK-A 100

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SK Taper Standard

Cono SK standard



Size	D	d1	d2	d3	d4	d5	d6	d7	l1	l2	l3	l4	l5	e1	e2
SK30	50	31.75	59.3	44.3	45	13	16.1	7	47.8	24	18.8	16.3	15	21	5
SK40	63.55	44.45	72.3	56.25	50	17	16.1	7	58.4	32	25	22.7	18.5	27	5
SK50	97.5	69.85	107.36	91.25	80	25	25.7	7	101.8	47	37.7	35.5	30	42	7

Taper standard/Standard cono: DIN 69871

Material/Materiale: Alloyed case hardened steel/acciaio legato temprato

Surface Treatment/rattamento superficiale: Blackening and Bright/annerimento e lucidatura

Taper tolerance/Tolleranza conica: AT3

Hardness/Durezza: HRC 56-60

Carbon depth/Profondità di carbonio: 0,8 0,2 mm

Surface Roughness/Rugosità superficiale: Ra 0,2 μm

Balancing/Bilanciatura: G6,3/15000; G2,5/25000

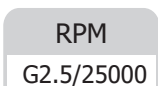
Cooling/Raffreddamento: AD; AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



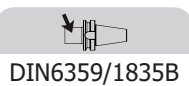
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



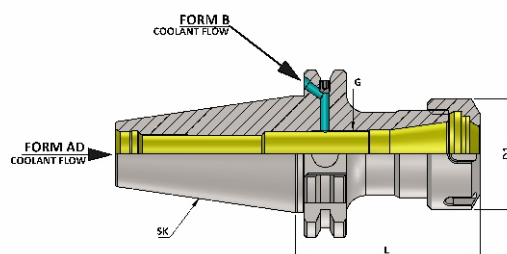
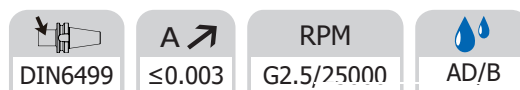
Lubrication (AD/B) AD/AF
Lubrificazione (AD/B) AD/AF



Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

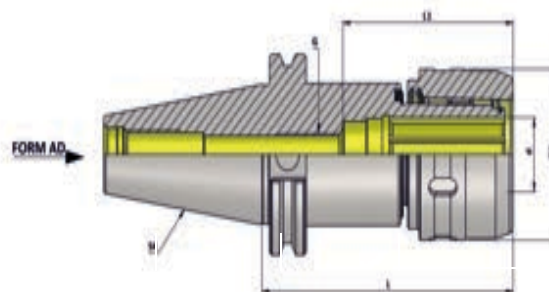
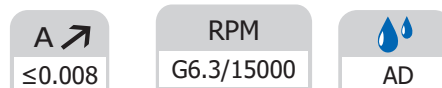
Mandrino ER



Code	Size	Capacity	D1	L	D	Euro	
503.02.10.HT	SK50-ER16-70	1-10	32	70	28	119,00 €	●
503.02.10.1.HT	SK50-ER16-100	1-10	32	100	28	145,10 €	●
503.02.10.2.HT	SK50-ER16-160	1-10	32	160	28	197,90 €	●
503.02.16.HT	SK50-ER25-70	2-16	42	70	42	119,80 €	●
503.02.16.1.HT	SK50-ER25-100	2-16	42	100	42	146,60 €	●
503.02.16.2.HT	SK50-ER25-160	2-16	42	160	42	197,90 €	●
503.02.20.HT	SK50-ER32-70	2-20	50	70	40	125,00 €	●
503.02.20.1.HT	SK50-ER32-100	2-20	50	100	50	173,30 €	●
503.02.20.2.HT	SK50-ER32-160	2-20	50	160	50	197,90 €	●
503.02.26.HT	SK50-ER40-80	3-26	63	70	63	125,80 €	●
503.02.26.1.HT	SK50-ER40-100	3-26	63	100	63	177,80 €	●
503.02.26.2.HT	SK50-ER40-160	3-26	63	160	63	202,40 €	●

Power Milling Chuck

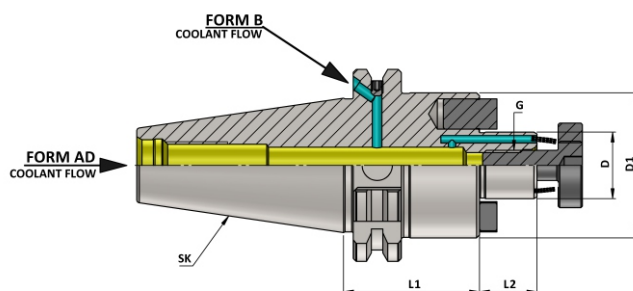
Mandrino Forte Serraggio



Code	Size	Capacity	d	D	L	Euro	
503.64.20.S.HT	SK50-HC20-105	3-16; 20	20	54	105	341,10 €	●
503.64.32.S.HT	SK50-HC32-105	3-25; 32	32	72	105	438,40 €	●

Face Mill Holder

Mandrino Porta frese a trascinamento



 DIN6357


 ≤ 0.005

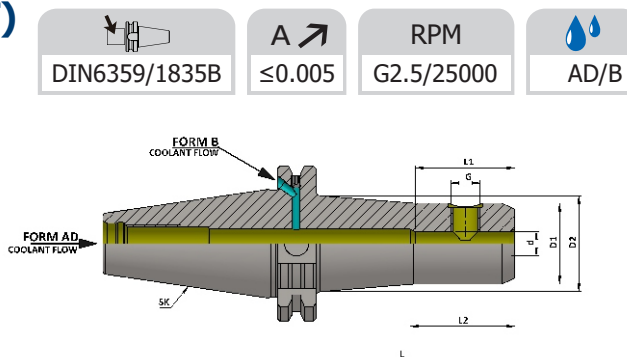
 RPM
 G2.5/25000


 AD/B

Code	Size	d	D	L	L2	G	Euro	
503.11.16.HT	SK50-FMH16-45	16	38	45	17	M8	127,20 €	●
503.11.16.1.HT	SK50-FMH16-100	16	38	100	17	M8	137,00 €	●
503.11.16.2.HT	SK50-FMH16-160	16	38	160	17	M8	154,70 €	●
503.11.22.HT	SK50-FMH22-45	22	48	45	19	M10	107,80 €	●
503.11.22.1.HT	SK50-FMH22-100	22	48	100	19	M10	131,70 €	●
503.11.22.2.HT	SK50-FMH22-160	22	48	160	19	M10	203,00 €	●
503.11.27.HT	SK50-FMH27-50	27	58	45	21	M12	107,80 €	●
503.11.27.1.HT	SK50-FMH27-100	27	58	100	21	M12	131,70 €	●
503.11.27.2.HT	SK50-FMH27-160	27	58	160	21	M12	203,00 €	●
503.11.32.HT	SK50-FMH32-55	32	78	50	24	M16	113,80 €	●
503.11.32.1.HT	SK50-FMH32-100	32	78	100	24	M16	139,80 €	●
503.11.32.2.HT	SK50-FMH32-160	32	78	160	24	M16	203,00 €	●
503.11.40.HT	SK50-FMH40-55	32	88	55	27	M20	131,70 €	●
503.11.40.1.HT	SK50-FMH40-100	32	88	100	27	M20	154,10 €	●
503.11.40.2.HT	SK50-FMH40-160	32	88	160	27	M20	221,00 €	●

End Mill Holder Weldon AD/B (AD/AF)

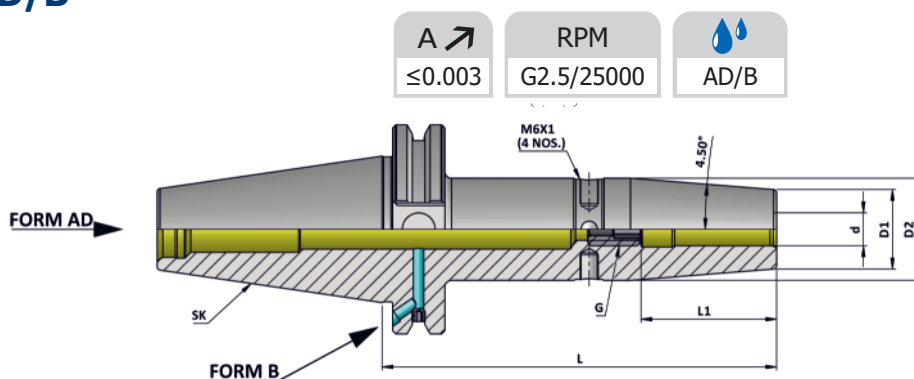
Mandrino Weldon AD/B (AD/AF)



Code	Size	d	D1	D2	M	L	L1	L2	Screw	Euro	
503.04.06.HT	SK50 WE06 063	6	25	-	M6	63	34	-	1	89,90 €	●
503.04.06.1.HT	SK50 WE06 100	6	25	36	M6	100	34	45	1	107,20 €	●
503.04.06.3.HT	SK50 WE06 160	6	25	36	M6	160	34	80	1	212,00 €	●
503.04.08.HT	SK50 WE08 063	8	28	-	M8	63	34	-	1	87,00 €	●
503.04.08.1.HT	SK50 WE08 100	8	28	38	M8	100	34	45	1	103,40 €	●
503.04.08.3.HT	SK50 WE08 160	8	28	38	M8	160	34	80	1	193,40 €	●
503.04.10.HT	SK50 WE10 063	10	35	-	M10	63	40	-	1	87,00 €	●
503.04.10.1.HT	SK50 WE10 100	10	35	42	M10	100	40	45	1	103,40 €	●
503.04.10.3.HT	SK50 WE10 160	10	35	42	M10	160	40	80	1	193,40 €	●
503.04.12.HT	SK50 WE12 063	12	42	-	M12	63	46	-	1	87,00 €	●
503.04.12.1.HT	SK50 WE12 100	12	42	48	M12	100	46	45	1	103,40 €	●
503.04.12.3.HT	SK50 WE12 160	12	42	48	M12	160	46	80	1	193,40 €	●
503.04.16.HT	SK50 WE16 063	16	48	-	M14	63	48	-	1	87,00 €	●
503.04.16.1.HT	SK50 WE16 100	16	48	54	M14	100	48	45	1	103,40 €	●
503.04.16.3.HT	SK50 WE16 160	16	48	54	M14	160	48	80	1	200,80 €	●
503.04.20.HT	SK50 WE20 063	20	52	-	M16	63	52	-	1	87,00 €	●
503.04.20.1.HT	SK50 WE20 100	20	52	59	M16	100	52	45	1	103,40 €	●
503.04.20.3.HT	SK50 WE20 160	20	52	59	M16	160	52	80	1	193,40 €	●
503.04.25.HT	SK50 WE25 080	25	65	-	M18X2	80	56	-	2	96,60 €	●
503.04.25.1.HT	SK50 WE25 100	25	65	-	M18X2	100	56	-	2	125,00 €	●
503.04.25.3.HT	SK50 WE25 160	25	65	-	M18X2	160	56	-	2	177,90 €	●
503.04.32.HT	SK50 WE32 100	32	72	-	M20X2	100	60	-	2	107,00 €	●
503.04.32.3.HT	SK50 WE32 160	32	72	-	M20X2	160	60	-	2	180,00 €	●
503.04.40.HT	SK50 WE40 120	40	80	-	M20X2	120	70	-	2	144,00 €	●
503.04.40.3.HT	SK50 WE40 160	40	80	-	M20X2	160	70	-	2	197,10 €	●

Shrink Fit Chuck, 4.5°, Standard AD/B

Mandrino a Calettare 4,5° AD/B

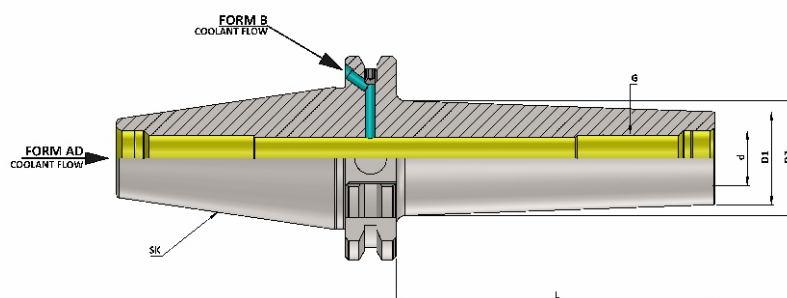


Code	Size	d	D1	D2	G	L	L1	Euro
503.70.3.HT	SK50 SFH03-80	3	10	20	—	80	12	266,40 €
503.70.3.1.HT	SK50 SFH03-120	3	10	20	—	120	12	291,20 €
503.70.3.2.HT	SK50 SFH03-160	3	10	20	—	160	12	322,40 €
503.70.4.HT	SK50 SFH04-80	4	15	22	—	80	14	259,20 €
503.70.4.1.HT	SK50 SFH04-120	4	15	22	—	120	14	286,40 €
503.70.4.2.HT	SK50 SFH04-160	4	15	22	—	160	14	316,80 €
503.70.6.HT	SK50 SFH06-80	6	21	27	M5	80	36	236,00 €
503.70.6.1.HT	SK50 SFH06-120	6	21	27	M5	120	36	260,80 €
503.70.6.2.HT	SK50 SFH06-160	6	21	27	M5	160	36	292,80 €
503.70.8.HT	SK50 SFH08-80	8	21	27	M6	80	36	236,00 €
503.70.8.1.HT	SK50 SFH08-120	8	21	27	M6	120	36	260,80 €
503.70.8.2.HT	SK50 SFH08-160	8	21	27	M6	160	36	292,80 €
503.70.10.HT	SK50 SFH10-80	10	24	31	M8	80	41	236,00 €
503.70.10.1.HT	SK50 SFH10-120	10	24	31	M8	120	41	260,80 €
503.70.10.2.HT	SK50 SFH10-160	10	24	31	M8	160	41	292,80 €
503.70.12.HT	SK50 SFH12-80	12	24	31	M10	80	46	236,00 €
503.70.12.1.HT	SK50 SFH12-120	12	24	31	M10	120	46	260,80 €
503.70.12.2.HT	SK50 SFH12-160	12	24	31	M10	160	46	292,80 €
503.70.16.HT	SK50 SFH16-80	16	27	34	M12	80	49	236,00 €
503.70.16.1.HT	SK50 SFH16-120	16	27	34	M12	120	49	260,80 €
503.70.16.2.HT	SK50 SFH16-160	16	27	34	M12	160	49	292,80 €
503.70.20.HT	SK50 SFH20-80	20	33	40	M16	80	51	236,00 €
503.70.20.1.HT	SK50 SFH20-120	20	33	40	M16	120	51	260,80 €
503.70.20.2.HT	SK50 SFH20-160	20	33	40	M16	160	51	292,80 €

Milling Cutter Arbor (AD+B)(AD/AF)

Mandrino per testine fill. (AD+B)(AD/AF)

A ↗ ≤0.003	RPM G2.5/25000	AD/B
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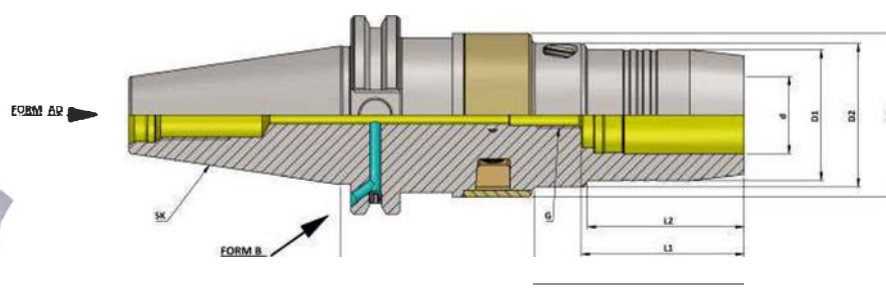


Code	Size	d	D1	D2	G	L	Euro
503.06.08.HT	SK50 MCA08 050	8.5	13	23	M8	50	177,10 €
503.06.08.1.HT	SK50 MCA08 100	8.5	13	25	M8	100	219,50 €
503.06.08.2.HT	SK50 MCA08 150	8.5	13	30	M8	150	256,00 €
503.06.10.HT	SK50 MCA10 050	10.5	18	23	M10	50	177,10 €
503.06.10.1.HT	SK50 MCA10 100	10.5	18	32	M10	100	219,50 €
503.06.10.2.HT	SK50 MCA10 150	10.5	18	36.5	M10	150	256,00 €
503.06.12.HT	SK50 MCA12 050	12.5	21	24	M12	50	177,10 €
503.06.12.1.HT	SK50 MCA12 100	12.5	21	33	M12	100	219,50 €
503.06.12.2.HT	SK50 MCA12 150	12.5	21	40	M12	150	256,00 €
503.06.16.HT	SK50 MCA16 050	17.0	29	34	M16	50	177,10 €
503.06.16.1.HT	SK50 MCA16 100	17.0	29	36	M16	100	219,50 €
503.06.16.2.HT	SK50 MCA16 150	17.0	29	42.5	M16	150	256,00 €

Hydraulic Expansion Chuck with "Run Out" adjustment

Mandrino Idraulico con regolazione assiale

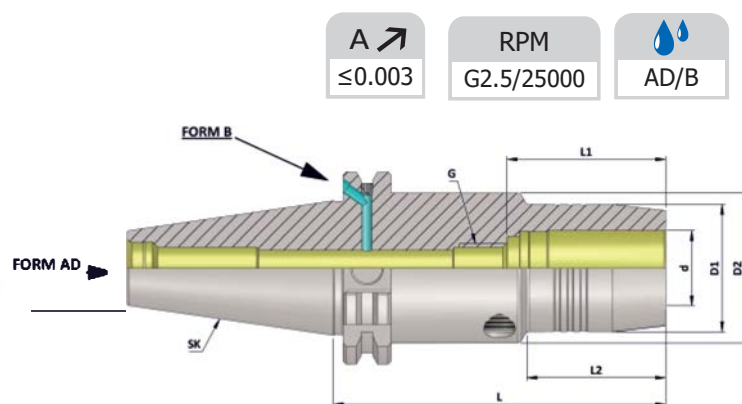
A ↗ ≤0.003	RPM G2.5/25000	AD
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Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro
503.H20.RA.HT	SK50 H20 110	20	42	46	52.5	MB	110	51	50	67.5	837,10 €
503.H32.RA.HT	SK50 H32 125	32	42	46	52.5	MB	125	51	50	67.5	930,10 €

Hydraulic Expansion Chuck AD/AF

Mandrino Idraulico AD/AF

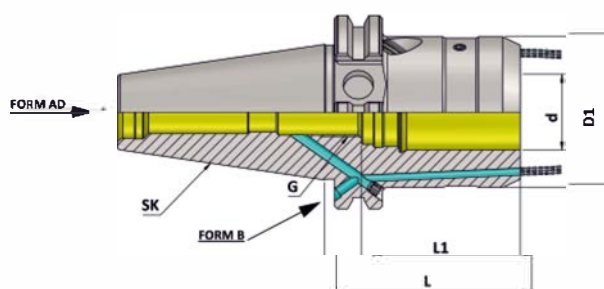


Code	Description	d	D1	D2	G	L	L1	L2	Euro
503.H.12.090.HT	BT50 HC12 090	12	32	49.5	M10	90	46	34	256,00 €
503.H.12.140.HT	BT50 HC12 140	12	32	49.5	M10	140	46	40	409,30 €
503.H.20.090.HT	BT50 HC20 090	20	42	49.5	M16	90	51	35	545,60 €
503.H.20.140.HT	BT50 HC20 140	20	42	49.5	M16	140	51	42	409,30 €
503.H.25.110.HT	BT50 HC25 110	25	55	63	M16	110	57	48	545,60 €
503.H.25.140.HT	BT50 HC25 140	25	55	63	M16	140	57	48	409,30 €
503.H.32.110.HT	BT50 HC32 110	32	63	70	M16	110	61	50	545,60 €
503.H.32.140.HT	BT50 HC32 140	32	63	70	M16	140	61	50	409,30 €
									545,60 €

Hydraulic Expansion Chuck Heavy Duty power AD/AF

**HEAVY DUTY
POWER**

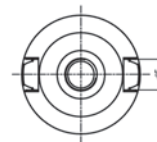
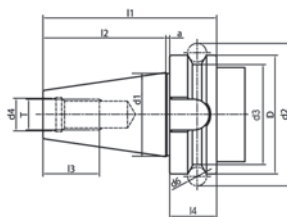
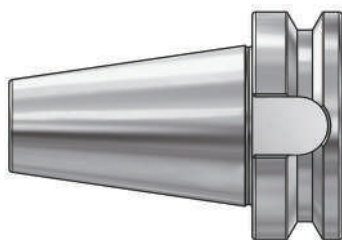
Mandrino Idraulico per impieghi gravosi AD/AF



Code	Description	d	D1	G	L	L1	Euro
503.H12.HD.HT	SK50 H12S 50.5 FCC	12	42	M10	50.5	40	272,20 €
503.H20.HD.HT	SK50 H20S 64.5 FCC	20	50	M16	64.5	42	272,20 €
503.H32.HD.HT	SK50 H32S 81.0 FCC	32	72	M16	81	55	284,40 €

BT Taper Standard

Cono BT standard



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
BT30	46	31.75	56.144	38	12.5	16.1	8	70.4	48.4	24	20	2	M12*1.75
BT40	63	44.45	75.679	53	17	16.	10	92.4	65.4	30	25	2	M16*2.0
BT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	35	3	M24*3.0

Taper standard/Standard cono: JIS B 6339 MAS BT

Material/Materiale: Alloyed case hardened steel/acciaio legato temprato

Surface Treatment/rattamento superficiale: Blackening and Bright/annerimento e lucidatura

Taper tolerance/Tolleranza conica: AT3

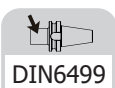
Hardness/Durezza: HRC 56-60

Carbon depth/Profondità di carbonio: 0,8 0,2 mm

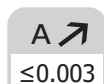
Surface Roughness/Rugosità superficiale: Ra 0,2 m

Balancing/Bilanciatura: G6,3/15000; G2,5/25000

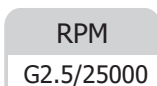
Cooling:/Raffreddamento: AD; AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



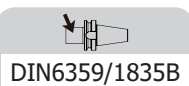
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



Lubrication (AD/B) AD/AF
Lubrificazione (AD/B) AD/AF



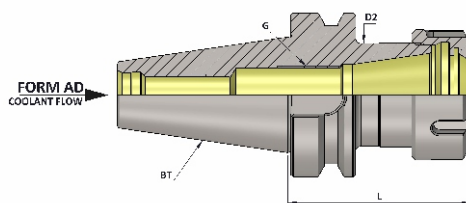
Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

Mandrino ER



 DIN6499	 ≤ 0.003	 RPM G2.5/25000	 AD/B
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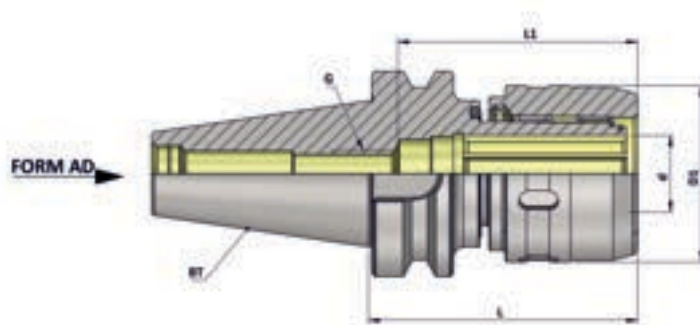
Code	Size	D	D1	L	Capacity	Euro	
506.02.10.HT	BT50 ER 16 080	32	-	80	0.5-10	130,20 €	●
506.02.10.1.HT	BT50 ER 16 100	32	28	100	0.5-10	159,20 €	●
506.02.10.2.HT	BT50 ER 16 160	32	28	160	0.5-10	212,60 €	●
506.02.16.HT	BT50 ER 25 080	42	-	80	1.0-16	129,60 €	●
506.02.16.1.HT	BT50 ER 25 100	42	40	100	1.0-16	160,60 €	●
506.02.16.2.HT	BT50 ER 25 160	42	40	160	1.0-16	212,80 €	●
506.02.20.HT	BT50 ER 32 080	50	-	80	2.0-20	133,90 €	●
506.02.20.1.HT	BT50 ER 32 100	50	45	100	2.0-20	185,90 €	●
506.02.20.2.HT	BT50 ER 32 160	50	45	160	2.0-20	212,80 €	●
506.02.26.HT	BT50 ER 40 080	63	-	80	3.0-26	135,20 €	●
506.02.26.1.HT	BT50 ER 40 100	63	-	100	3.0-26	189,00 €	●
506.02.26.2.HT	BT50 ER 40 160	63	60	160	3.0-26	217,30 €	●

Power Milling Chuck

Mandrino Forte Serraggio



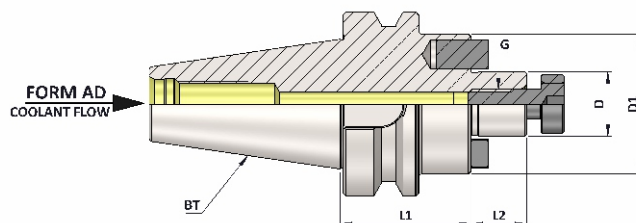
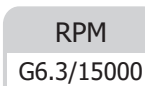
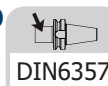
 ≤ 0.008	 RPM G2.5/25000	 AD
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Code	Size	d	D	L	Capacity	Euro	
505.64.20.S.HT	BT50-HC20-105	20	50	105	3-16; 20	341,10 €	●
505.64.32.S.HT	BT50-HC32-105	32	72	105	3-25; 32	438,40 €	●

Face Mill Holder

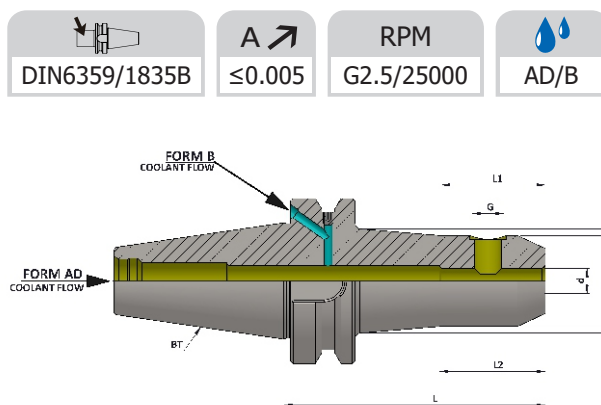
Mandrino Porta frese a trascinamento



Code	Size	d	D	L	H	M	Euro	
505.11.16.HT	BT50 FMH16 060	16	38	60	17	M8	104,00 €	●
505.11.16.1.HT	BT50 FMH16 100	16	38	100	17	M8	118,40 €	●
505.11.16.2.HT	BT50 FMH16 160	16	38	160	17	M8	161,60 €	●
505.11.22.HT	BT50 FMH22 060	22	48	60	19	M10	104,00 €	●
505.11.22.1.HT	BT50 FMH22 100	22	48	100	19	M10	118,40 €	●
505.11.22.2.HT	BT50 FMH22 160	22	48	160	19	M10	158,40 €	●
505.11.27.HT	BT50 FMH27 060	27	58	60	21	M12	104,00 €	●
505.11.27.1.HT	BT50 FMH27 100	27	58	100	21	M12	118,40 €	●
505.11.27.2.HT	BT50 FMH27 160	27	58	160	21	M12	155,40 €	●
505.11.32.HT	BT50 FMH32 060	32	78	60	24	M16	110,40 €	●
505.11.32.1.HT	BT50 FMH32 100	32	78	100	24	M16	120,00 €	●
505.11.32.2.HT	BT50 FMH32 160	32	78	160	24	M16	174,40 €	●
505.11.40.HT	BT50 FMH40 060	40	88	60	27	M20	127,20 €	●
505.11.40.1.HT	BT50 FMH40 100	40	88	100	27	M20	146,40 €	●
505.11.40.2.HT	BT50 FMH40 160	40	88	160	27	M20	188,80 €	●

End Mill Holder Weldon AD/B (AB/AF)

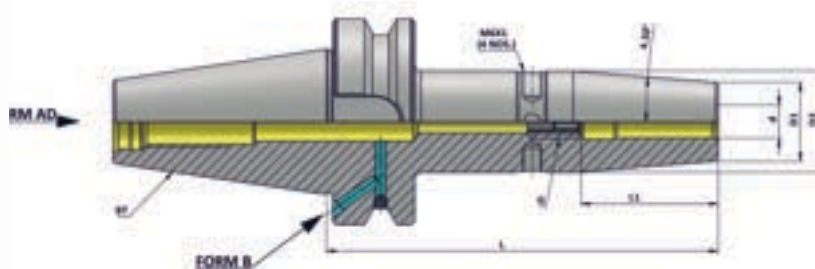
Mandrino Weldon AD/B (AB/AF)



Code	Size	d	D1	D2	G	L	L1	L2	Screw	Euro
506.04.06.HT	BT50 WE06 063	6	25	-	M6	63	34	-	1	105,60 €
506.04.06.1.HT	BT50 WE06 100	6	25	36	M6	100	34	35	1	125,80 €
506.04.06.3.HT	BT50 WE06 160	6	25	43	M6	160	34	80	1	201,60 €
506.04.08.HT	BT50 WE08 063	8	28	-	M8	63	34	-	1	101,90 €
506.04.08.1.HT	BT50 WE08 100	8	28	38	M8	100	34	35	1	122,10 €
506.04.08.3.HT	BT50 WE08 160	8	28	46	M8	160	34	80	1	198,70 €
506.04.10.HT	BT50 WE10 080	10	35	-	M10	80	40	-	1	101,90 €
506.04.10.1.HT	BT50 WE10 100	10	35	42	M10	100	40	35	1	122,10 €
506.04.10.3.HT	BT50 WE10 160	10	35	49	M10	160	40	80	1	198,70 €
506.04.12.HT	BT50 WE12 080	12	42	-	M12	80	46	-	1	101,90 €
506.04.12.1.HT	BT50 WE12 100	12	42	48	M12	100	46	35	1	122,10 €
506.04.12.3.HT	BT50 WE12 160	12	42	55	M12	160	46	80	1	198,70 €
506.04.16.HT	BT50 WE16 080	16	48	-	M14	80	48	-	1	101,90 €
506.04.16.1.HT	BT50 WE16 100	16	48	54	M14	100	48	35	1	122,10 €
506.04.16.3.HT	BT50 WE16 160	16	48	60	M14	160	48	80	1	198,70 €
506.04.20.HT	BT50 WE20 080	20	52	-	M16	80	52	-	1	101,90 €
506.04.20.1.HT	BT50 WE20 100	20	52	65	M16	100	52	35	1	122,10 €
506.04.20.3.HT	BT50 WE20 160	20	52	66	M16	160	52	80	1	198,70 €
506.04.25.HT	BT50 WE25 100	25	65	-	M18	100	56	-	2	116,80 €
506.04.25.3.HT	BT50 WE25 160	25	65	-	M18	160	56	-	2	194,20 €
506.04.32.HT	BT50 WE32 105	32	72	-	M20	105	60	-	2	119,80 €
506.04.32.3.HT	BT50 WE32 160	32	72	-	M20	160	60	-	2	206,10 €
506.04.40.HT	BT50 WE40 115	40	80	-	M20	115	70	-	2	132,50 €
506.04.40.3.HT	BT50 WE40 160	40	80	-	M20	160	70	-	2	207,70 €

Shrink Fit Chuck, 4.5°, Standard AD/B (AD/AF)**Mandrino a Calettare 4,5° AD/B (AD/AF)**A ↗
≤0.003RPM
G2.5/25000

AD/B



Code	Size	d	D1	D2	G	L	L1	Euro	
506.70.03.HT	BT50 SFH03 100	3	10	20	—	100	12	275,20 €	●
506.70.03.1.HT	BT50 SFH03 120	3	10	20	—	120	12	299,20 €	●
506.70.03.2.HT	BT50 SFH03 160	3	10	20	—	160	12	331,20 €	●
506.70.04.HT	BT50 SFH04 100	4	15	22	—	100	14	270,40 €	●
506.70.04.1.HT	BT50 SFH04 120	4	15	22	—	120	14	293,60 €	●
506.70.04.2.HT	BT50 SFH04 160	4	15	22	—	160	14	324,80 €	●
506.70.06.HT	BT50 SFH06 100	6	21	27	M5	100	36	248,80 €	●
506.70.06.1.HT	BT50 SFH06 120	6	21	27	M5	120	36	272,00 €	●
506.70.06.2.HT	BT50 SFH06 160	6	21	27	M5	160	36	300,80 €	●
506.70.08.HT	BT50 SFH08 100	8	21	27	M6	100	36	248,80 €	●
506.70.08.1.HT	BT50 SFH08 120	8	21	27	M6	120	36	272,00 €	●
506.70.08.2.HT	BT50 SFH08 160	8	21	27	M6	160	36	300,80 €	●
506.70.10.HT	BT50 SFH10 100	10	24	31	M8	100	41	248,80 €	●
506.70.10.1.HT	BT50 SFH10 120	10	24	31	M8	120	41	272,00 €	●
506.70.10.2.HT	BT50 SFH10 160	10	24	31	M8	160	41	300,80 €	●
506.70.12.HT	BT50 SFH12 100	12	24	31	M10	100	46	248,80 €	●
506.70.12.1.HT	BT50 SFH12 120	12	24	31	M10	120	46	272,00 €	●
506.70.12.2.HT	BT50 SFH12 160	12	24	31	M10	160	46	300,80 €	●
506.70.16.HT	BT50 SFH16 100	16	27	34	M12	100	49	248,80 €	●
506.70.16.1.HT	BT50 SFH16 120	16	27	34	M12	120	49	272,00 €	●
506.70.16.2.HT	BT50 SFH16 160	16	27	34	M12	160	49	300,80 €	●
506.70.20.HT	BT50 SFH20 100	20	33	40	M16	100	51	248,80 €	●
506.70.20.1.HT	BT50 SFH20 120	20	33	40	M16	120	51	272,00 €	●
506.70.20.2.HT	BT50 SFH20 160	20	33	40	M16	160	51	300,80 €	●

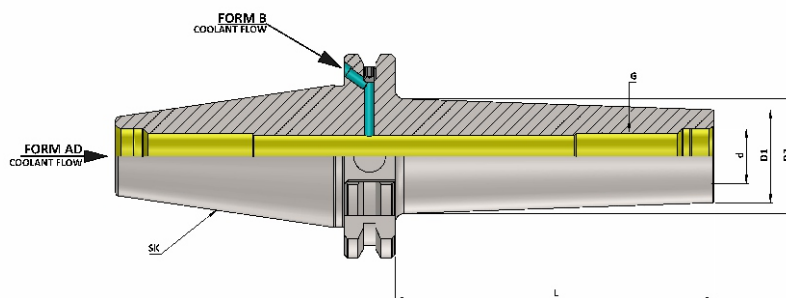
Milling Cutter Arbor AD/AF

Mandrino per testine fill. (AD+B)(AD/AF)

A ↗
≤0.003

RPM
G2.5/25000

AD/B



Code	Size	d	D1	D2	G	L	Euro
506.06.08.HT	BT50 MCA08 050	8.50	13	23.00	M8	50	188,20 €
506.06.08.1.HT	BT50 MCA08 100	8.50	13	25.00	M8	100	223,20 €
506.06.08.2.HT	BT50 MCA08 150	8.50	13	30.00	M8	150	259,20 €
506.06.10.HT	BT50 MCA10 050	10.50	18	23.00	M10	50	178,60 €
506.06.10.1.HT	BT50 MCA10 100	10.50	18	32.00	M10	100	219,20 €
506.06.10.2.HT	BT50 MCA10 150	10.50	18	36.50	M10	150	259,20 €
506.06.12.HT	BT50 MCA12 050	12.50	21	24.00	M12	50	177,60 €
506.06.12.1.HT	BT50 MCA12 100	12.50	21	33.00	M12	100	223,20 €
506.06.12.2.HT	BT50 MCA12 150	12.50	21	40.00	M12	150	259,20 €
506.06.16.HT	BT50 MCA16 050	17	29	34.00	M16	50	178,40 €
506.06.16.1.HT	BT50 MCA16 100	17	29	36.00	M16	100	223,20 €
506.06.16.2.HT	BT50 MCA16 150	17	29	42.50	M16	150	259,20 €

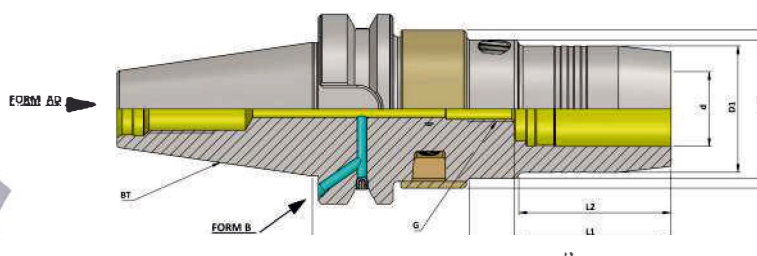
Hydraulic Expansion Chuck with "Run Out" adjustment

Mandrino Idraulico con regolazione assiale

A ↗
≤0.003

RPM
G2.5/25000

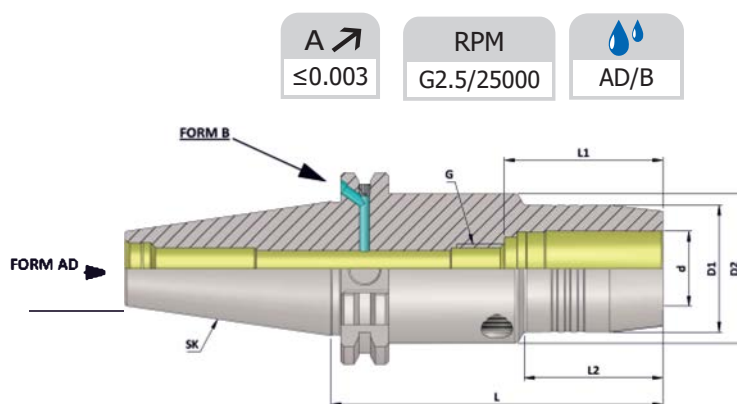
AD



Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro
505.H20.RA.HT	BT50 HC20 130	20	42	46	52.5	MB	110	51	50	67.5	845,30 €
505.H32.RA.HT	BT50 HC32 150	32	42	46	52.5	MB	125	51	50	67.5	939,30 €

Hydraulic Expansion Chuck AD/AF

Mandrino Idraulico AD/AF

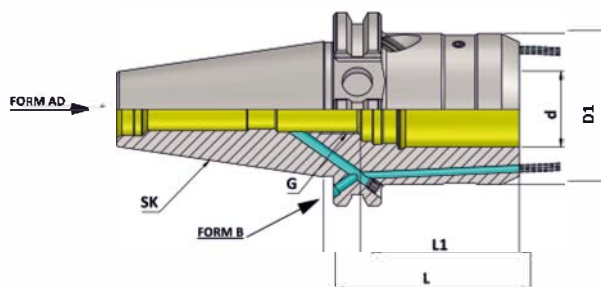


Code	Description	d	D1	D2	G	L	L1	L2	Euro
506.H.12.090.HT	BT50 HC12 090 AD+B	12	32	49.5	M10	90	46	34	409,30 €
506.H.12.140.HT	BT50 HC12 140 AD+B	12	32	49.5	M10	140	46	40	545,60 €
506.H.20.090.HT	BT50 HC20 090 AD+B	20	42	49.5	M16	90	51	35	409,30 €
506.H.20.140.HT	BT50 HC20 140 AD+B	20	42	49.5	M16	140	51	42	545,60 €
506.H.25.110.HT	BT50 HC25 110 AD+B	25	55	63	M16	110	57	48	409,30 €
506.H.25.140.HT	BT50 HC25 140 AD+B	25	55	63	M16	140	57	48	545,60 €
506.H.32.110.HT	BT50 HC32 110 AD+B	32	63	70	M16	110	61	50	409,30 €
506.H.32.140.HT	BT50 HC32 140 AD+B	32	63	70	M16	140	61	50	545,60 €

Hydraulic Expansion Chuck Heavy Duty power AD/AF

**HEAVY DUTY
POWER**

Mandrino Idraulico per impieghi gravosi AD/AF

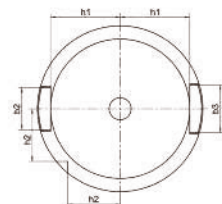
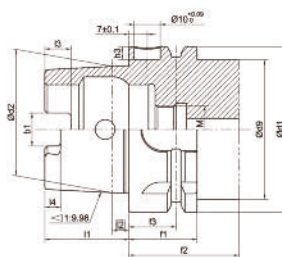
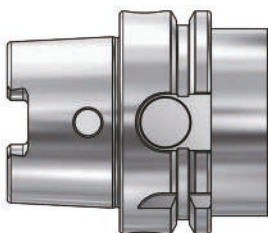


Code	Description	ISO	d	D1	G	L	L1	Euro
505.H12.HD.HT	BT50 HC12S 069 FCC	50	12	42	M10	69	40	281,80 €
505.H20.HD.HT	BT50 HC20S 083 FCC	50	20	50	M16	83	42	281,80 €
505.H32.HD.HT	BT50 HC32S 090 FCC	50	32	72	M16	90	55	288,00 €

HSK-A Taper Standard

Cono HSK standard

Tool Holder DIN 69893 (ISO 12164) HSK-A



Size	d1	d2	d9	l1	l2	l3	l4	f1	f2	f3	h1	h2	h3	b1	b2	b3
HSK25A	25	19.006	20	13	2.5	4	2	10	20	4.5	10	7.5	-	6.05	6	7
HSK32A	32	24.007	26	16	3.2	5	3	20	35	16	13	9.5	5.4	7.05	7	9
HSK40A	40	30.007	34	20	4	6	3.5	20	35	16	17	12	5.2	8.05	9	11
HSK50A	50	38.009	42	25	5	7.5	4.5	26	42	18	21	15.5	5.1	10.54	12	14
HSK63A	63	48.010	53	32	6.3	10	6	26	42	18	26.5	20	5.0	12.54	16	18
HSK80A	80	60.012	68	40	8	12	8	26	42	18	34	25	4.9	16.04	18	20
HSK100A	100	75.013	88	50	10	15	10	29	45	20	44	31.5	4.9	20.02	20	22

Taper standard/Standard cono: DIN 69893; ISO 12164

Material/Materiale: Alloyed case hardened steel/acciaio legato temprato

Surface Treatment/rattamento superficiale: Blackening and Bright/annerimento e lucidatura

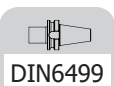
Taper tolerance/Tolleranza conica: AT3

Hardness/Durezza: HRC 56-60

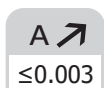
Carbon depth/Profondità di carbonio: 0,8 0,2 mm

Surface Roughness/Rugosità superficiale: Ra 0,2 m

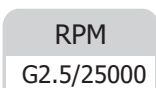
Balancing/Bilanciatura: G6.3/15000; G2.5/25000



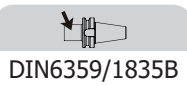
Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



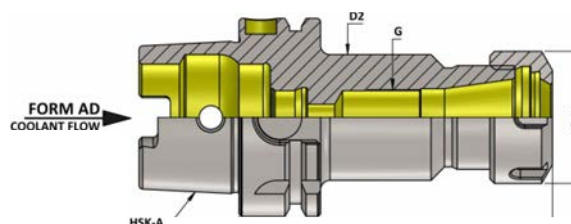
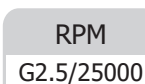
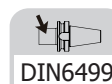
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

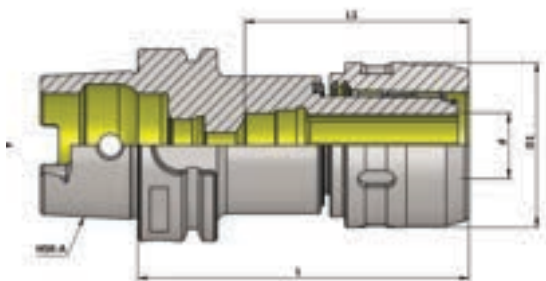
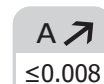
Mandrino ER



Code	Size	D1	D2	L1	Capacity	Euro	
A100.02.16.HT	HSK-A 100 ER 25 100	42	40	100	1.0-16	184,50 €	●
A100.02.16.1.HT	HSK-A 100 ER 25 160	42	40	160	1.0-16	260,50 €	●
A100.02.20.HT	HSK-A 100 ER 32 100	50	45	100	2.0-20	184,50 €	●
A100.02.20.1.HT	HSK-A 100 ER 32 160	50	45	160	2.0-20	260,50 €	●
A100.02.26.HT	HSK-A 100 ER 40 120	63	60	120	3.0-26	192,00 €	●
A100.02.26.1.HT	HSK-A 100 ER 40 160	63	60	160	3.0-26	288,00 €	●

Power Milling Chuck

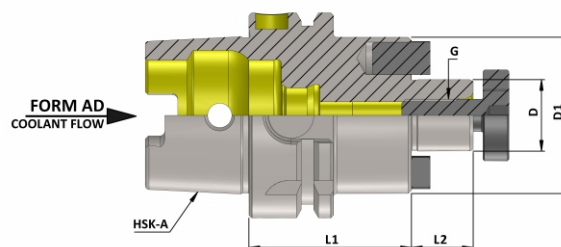
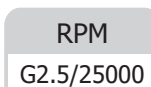
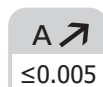
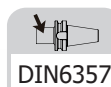
Mandrino Forte Serraggio



Code	Size	d	D	L	L1	Capacity	Euro	
A100.64.20.S.HT	HSK100A-HC20-110	20	54	110	70	3-16; 20	414,20 €	●
A100.64.32.S.HT	HSK100A-HC32-135	32	72	135	100	3-25; 32	451,80 €	●

Face Mill Holder

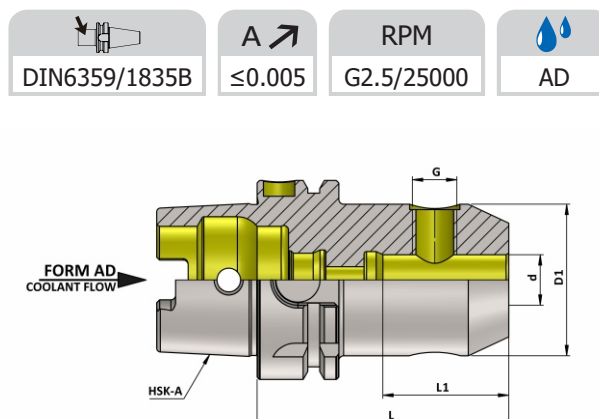
Mandrino porta frese a trascinamento



Code	Size	D	D1	L1	L2	G	Euro	
A100.11.22.HT	HSK-A 100 FMH22 055	22	48	55	19	M10	221,00 €	●
A100.11.22.1.HT	HSK-A 100 FMH22 100	22	48	100	19	M10	238,10 €	●
A100.11.22.2.HT	HSK-A 100 FMH22 160	22	48	160	19	M10	284,20 €	●
A100.11.27.HT	HSK-A 100 FMH27 055	27	58	55	21	M12	229,90 €	●
A100.11.27.1.HT	HSK-A 100 FMH27 100	27	58	100	21	M12	245,40 €	●
A100.11.27.2.HT	HSK-A 100 FMH27 160	27	58	160	21	M12	293,10 €	●
A100.11.32.HT	HSK-A 100 FMH32 060	32	78	60	24	M16	245,40 €	●
A100.11.32.1.HT	HSK-A 100 FMH32 100	32	78	100	24	M16	263,40 €	●
A100.11.32.2.HT	HSK-A 100 FMH32 160	32	78	160	24	M16	310,20 €	●
A100.11.40.HT	HSK-A 100 FMH40 065	40	88	65	27	M20	255,20 €	●
A100.11.40.1.HT	HSK-A 100 FMH40 100	40	88	100	27	M20	271,50 €	●
A100.11.40.2.HT	HSK-A 100 FMH40 160	40	88	160	27	M20	318,40 €	●

End Mill Holder Weldon

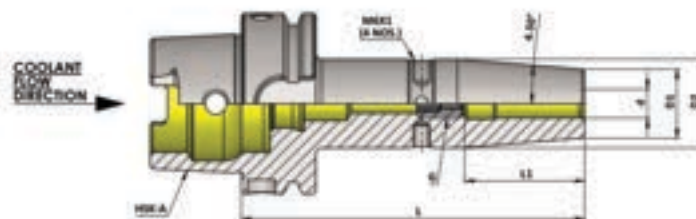
Mandrino Weldon



Code	Size	d	D1	G	L	L1	Screw Qty	Euro	
A100.04.06.HT	HSK-A 100 WE06 080	6	25	M6	80	34	1	194,20 €	●
A100.04.06.2.HT	HSK-A 100 WE06 160	6	25	M6	160	34	1	211,20 €	●
A100.04.08.HT	HSK-A 100 WE08 080	8	28	M8	80	34	1	194,20 €	●
A100.04.08.2.HT	HSK-A 100 WE08 160	8	28	M8	160	34	1	211,20 €	●
A100.04.10.HT	HSK-A 100 WE10 080	10	35	M10	80	40	1	194,20 €	●
A100.04.10.1.HT	HSK-A 100 WE10 100	10	35	M10	160	40	1	211,20 €	●
A100.04.10.2.HT	HSK-A 100 WE10 160	12	42	M12	100	46	1	211,20 €	●
A100.04.12.HT	HSK-A 100 WE12 100	12	42	M12	160	46	1	194,20 €	●
A100.04.12.1.HT	HSK-A 100 WE12 160	16	48	M14	100	48	1	211,20 €	●
A100.04.16.HT	HSK-A 100 WE16 100	16	48	M14	130	48	1	194,20 €	●
A100.04.16.1.HT	HSK-A 100 WE16 160	16	48	M14	160	48	1	211,20 €	●
A100.04.20.HT	HSK-A 100 WE20 100	20	52	M16	100	52	1	194,20 €	●
A100.04.20.1.HT	HSK-A 100 WE20 160	20	52	M16	160	52	1	211,20 €	●
A100.04.25.HT	HSK-A 100 WE25 100	25	65	M18	100	56	2	226,20 €	●
A100.04.25.1.HT	HSK-A 100 WE25 160	25	65	M18	160	56	2	241,80 €	●
A100.04.32.HT	HSK-A 100 WE32 120	32	72	M20	120	60	2	235,20 €	●
A100.04.32.1.HT	HSK-A 100 WE32 160	32	72	M20	160	60	2	253,00 €	●
A100.04.40.HT	HSK-A 100 WE40 120	40	80	M20	120	70	2	264,20 €	●
A100.04.40.1.HT	HSK-A 100 WE40 160	40	80	M20	160	70	2	253,00 €	●

Shrink Fit Chuck, 4.5°, AD

Mandrino a Calettare, 4,5° AD



A ↗
≤0.003

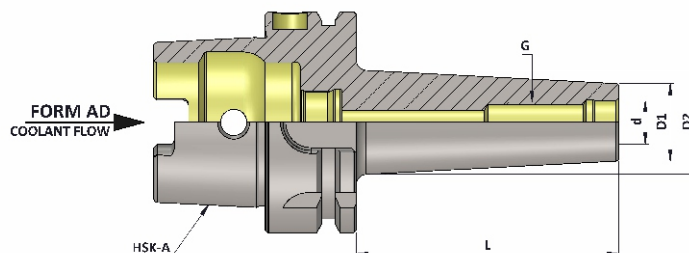
RPM
G2.5/25000

AD

Code	Size	d	D1	D2	L	L1	G	Euro
A100.70.06.HT	HSK-A 100 SFH06 085	6	21	27	85	36	M5	284,00 €
A100.70.06.1.HT	HSK-A 100 SFH06 120	6	21	27	120	36	M5	335,20 €
A100.70.06.2.HT	HSK-A 100 SFH06 160	6	21	27	160	36	M5	361,60 €
A100.70.08.HT	HSK-A 100 SFH08 085	8	21	27	85	36	M6	284,00 €
A100.70.08.1.HT	HSK-A 100 SFH08 120	8	21	27	120	36	M6	335,20 €
A100.70.08.2.HT	HSK-A 100 SFH08 160	8	21	27	160	36	M6	361,60 €
A100.70.10.HT	HSK-A 100 SFH10 090	10	24	31	90	41	M8	284,00 €
A100.70.10.1.HT	HSK-A 100 SFH10 120	10	24	31	120	41	M8	335,20 €
A100.70.10.2.HT	HSK-A 100 SFH10 160	10	24	31	160	41	M8	361,60 €
A100.70.12.HT	HSK-A 100 SFH12 095	12	24	31	95	46	M10	284,00 €
A100.70.12.1.HT	HSK-A 100 SFH12 120	12	24	31	120	46	M10	335,20 €
A100.70.12.2.HT	HSK-A 100 SFH12 160	12	24	31	160	46	M10	361,60 €
A100.70.16.HT	HSK-A 100 SFH16 100	16	27	34	100	49	M12	284,00 €
A100.70.16.1.HT	HSK-A 100 SFH16 120	16	27	34	120	49	M12	335,20 €
A100.70.16.2.HT	HSK-A 100 SFH16 160	16	27	34	160	49	M12	361,60 €
A100.70.20.HT	HSK-A 100 SFH20 105	20	33	40	105	51	M16	284,00 €
A100.70.20.1.HT	HSK-A 100 SFH20 120	20	33	40	120	51	M16	335,20 €
A100.70.20.2.HT	HSK-A 100 SFH20 160	20	33	40	160	51	M16	361,60 €

Milling Cutter Arbor AD

Mandrino per testine fill. AD

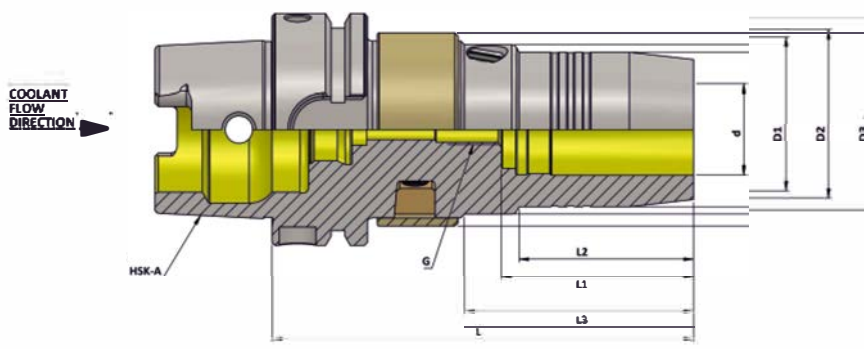
A ↗
≤0.005RPM
G2.5/25000

AD

Code	Size	d	D1	D2	G	L	Euro	
A100.06.08.HT	HSK-A 100 MCA08 050	8.5	13	23	M8	50	337,80 €	●
A100.06.10.HT	HSK-A 100 MCA10 050	10.5	18	23	M10	50	337,80 €	●
A100.06.10.1.HT	HSK-A 100 MCA10 100	10.5	18	32	M10	100	413,60 €	●
A100.06.10.2.HT	HSK-A 100 MCA10 150	10.5	18	36.5	M10	150	490,20 €	●
A100.06.12.HT	HSK-A 100 MCA12 050	12.5	21	24	M12	50	337,80 €	●
A100.06.12.1.HT	HSK-A 100 MCA12 100	12.5	21	33	M12	100	413,60 €	●
A100.06.12.2.HT	HSK-A 100 MCA12 150	12.5	21	40	M12	150	490,20 €	●
A100.06.16.HT	HSK-A 100 MCA16 050	17	29	34	M16	50	337,80 €	●
A100.06.16.1.HT	HSK-A 100 MCA16 100	17	29	36	M16	100	413,60 €	●
A100.06.16.2.HT	HSK-A 100 MCA16 150	17	29	42.5	M16	150	490,20 €	●

Hydraulic Expansion Chuck with "Run Out" adjustment AD

Mandrino Idraulico con regolazione assiale AD

A ↗
≤0.003RPM
G2.5/25000

AD

Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro	
100A.H20.RA.HT	HSK-A100 H20 120	20	42	46	52.5	MB	120	51	50	65.5	976,70 €	●
100A.H32.RA.HT	HSK-A 100 H32 150	32	42	46	52.5	MB	150	51	50	65.5	1.051,90 €	●

Hydraulic Expansion Chuck AD

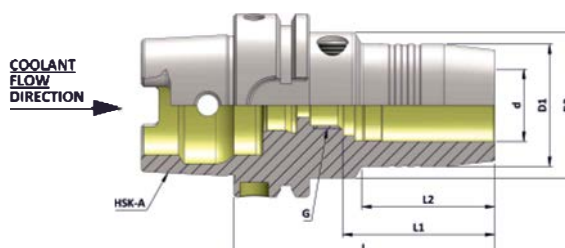
Mandrino Idraulico AD

A ↗
≤0.003

RPM
G2.5/25000

AD

Tool Holder DIN 69893



Code	Description	d	D1	D2	G	L	L1	L2	Euro
A100.H12.095.HT	HSK-A 100 HC12 095	12	32	50	M10	95	46	47	409,30 €
A100.H12.150.HT	HSK-A 100 HC12 150	12	32	50	M10	150	46	100	606,20 €
A100.H20.105.HT	HSK-A 100 HC20 105	20	42	50	M16	105	51	59	409,30 €
A100.H20.150.HT	HSK-A 100 HC20 150	20	42	50	M16	150	51	100	606,20 €
A100.H25.110.HT	HSK-A 100 HC25 110	25	57	63	M16	110	57	62	409,30 €
A100.H32.110.HT	HSK-A 100 HC32 110	32	63	67	M16	110	61	60	409,30 €

Hydraulic Expansion Chuck Heavy Duty power AD

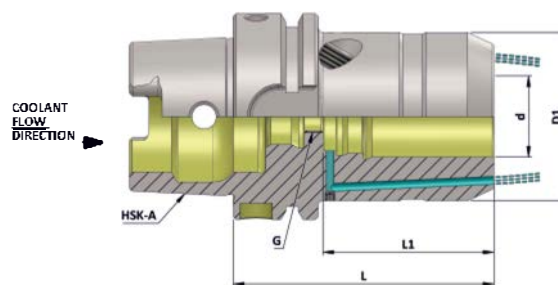
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD

A ↗
≤0.003

RPM
G2.5/25000

AD



Code	Description	d	D1	G	L	L1	Euro
100A.H12.HD.HT	HSK-A 100 H12S 095 FCC	12	42	M10	95	40	373,90 €
100A.H20.HD.HT	HSK-A 100 H20S 090 FCC	20	50		90	42	373,90 €
100A.H32.HD.HT	HSK-A 100 H32S 110 FCC	32	72	M16	110	55	373,90 €

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