

CATALOGO
KATALOG
CATALOGUE



PRÄZISIONS-SPANNWERKZEUGE

HIGH PRECISION TOOLHOLDERS

HiTECH *La tecnologia dei mandrini!*



HITECH-SEH

TOOLHOLDERS - MACHINES

Le presentiamo il prodotto HITECH di SEH PRÄZISIONSWERZEUGE

E' un'azienda che produce e commercializza mandrini e accessori per mandrini, una linea di prodotti tecnologicamente avanzati che si contraddistingue per le sue competenze tecnologiche!

La parola chiave che identifica questo brand è una combinazione di creatività, ricerche di mercato, competenze tecnologiche e una gestione efficace del progetto per qualità e performance tecniche.

Senza tralasciare il rapporto qualità-prezzo abbiamo anche dato una particolare importanza alla cura del packaging!

HITECH di SEH PRÄZISIONSWERZEUGE può fornire a richiesta



*-Mandrini doppio contatto
-Utensili statici e motorizzati
VDI-BMT -Utensili di tornitura
HSK-T
-Teste angolari*

Settore di applicazioni dei mandrini HITECH-SEH

Application area of HITECH-SEH spindles



Industria automobilistica



Industria degli stampi



Aerospaziale



Industria militare



Industria medica



Industria 3C

The range of Chucks and Accessories La gamma Mandrini e Accessori

- ER Collet Chuck/Mandrino ER
- ER MINI Collet Chuck/Mandrino MINI ER
- High Speed SKS Collet Chuck/Mandrino SKS Alta velocità
- Power Milling Chuck/Mandrino Forte Serraggio
- Face Mill Holder/Mandrino Porta frese a trascinamento
- End Mill Holder Weldon /Mandrino Weldon
- End Mill Holder with Coolant Channels //Mandrino Weldon con lubrificazione frontale
- Shrink Fit Chuck, 4.5°, Standard /Mandrino a Calettare 4,5°
- Shrink Fit Chuck, 4.5°, Coolant/Mandrino a Calettare,4,5°-2 fori lub.
- Shrink Fit Chuck, Series SLIM 3°/ Mandrino a Calettare, SLIM 3°
- Shrink Fit Holder Anti-Vibration 4.5° /Mandrino a Calettare Anti vibrante 4,5°
- Milling Cutter Arbor/Mandrino per testine fill.
- Hydraulic Expansion Chuck SLIM 3°/Mandrino Idraulico SLIM 3°
- Hydraulic Expansion Chuck /Mandrino Idraulico
- Hydraulic Collet Set/Set Mandrino idraulico con riduzioni
- Hydraulic Expansion Chuck with "Run Out" adjustment/Mandrino Idraulico con regolazione assiale
- Hydraulic Expansion Chuck Heavy Duty power/ Mandrino Idraulico per impieghi gravosi
- Hydraulic Expansion Chuck Anti - Vibration/Mandrino Idraulico Anti vibrante
- Cylindrical Shank Shrink Fit Holder/Prolunghe a calettare
- Tool Holder Locking Device /Smonta coni
- Shrink fit machines/ Macchine a calettare
- Tool Holder Cleaning Device/Macchina lava coni
- Chip remover/ventola pulisci trucioli
- Collets/Pinze
- Techical/tecnica

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Sezione VDI **pag 58**

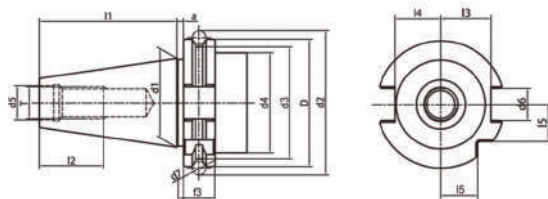
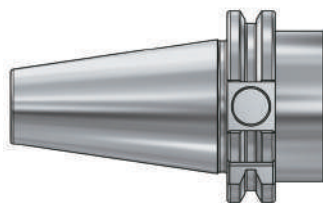
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SK Taper Standard

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

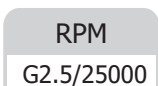
Cooling/Raffreddamento: AD; AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



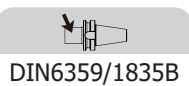
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



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



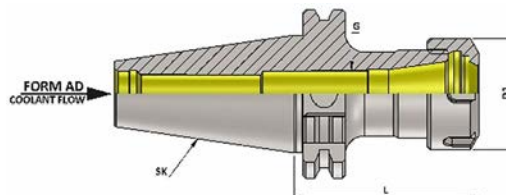
Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

Mandrino ER



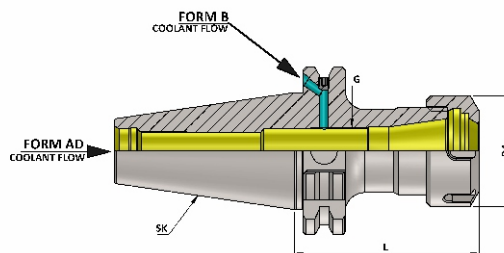
 DIN6499	 A ≤ 0.003	 RPM G2.5/25000	 AD
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Code	Size	Capacity	D1	L	D	Euro
402.02.10.HT	SK40-ER16-63	1-10	32	63	28	48,90 € 
402.02.16.HT	SK40-ER25-70	2-16	42	70	42	48,90 € 
402.02.20.HT	SK40-ER32-70	2-20	50	70	40	50,20 € 
402.02.26.HT	SK40-ER40-80	3-26	63	80	63	51,30 € 
402.02.10.1.HT	SK40-ER16-100	1-10	32	100	28	52,20 € 
402.02.16.1.HT	SK40-ER25-100	2-16	42	100	42	58,50 € 
402.02.20.1.HT	SK40-ER32-100	2-20	50	100	50	58,50 € 
402.02.26.1.HT	SK40-ER40-100	3-26	63	100	63	66,60 € 

SK30 / SK50 disponibili in 20 giorni 

 DIN6499	 A ≤ 0.003	 RPM G2.5/25000	 AD/B
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Code	Size	Capacity	D1	L	D	Euro
403.02.10.HT	SK40-ER16-70	1-10	32	70	28	74,70 € 
403.02.16.HT	SK40-ER25-70	2-16	42	70	42	74,70 € 
403.02.20.HT	SK40-ER32-70	2-20	50	70	40	79,80 € 
403.02.26.HT	SK40-ER40-80	3-26	63	70	63	85,90 € 
403.02.10.1.HT	SK40-ER16-100	1-10	32	100	28	87,30 € 
403.02.16.1.HT	SK40-ER25-100	2-16	42	100	42	97,00 € 
403.02.20.1.HT	SK40-ER32-100	2-20	50	100	50	96,80 € 
403.02.26.1.HT	SK40-ER40-100	3-26	63	100	63	107,20 € 
403.02.10.2.HT	SK40-ER16-160	1-10	32	160	28	142,60 € 
403.02.16.2.HT	SK40-ER25-160	2-16	42	160	42	145,60 € 
403.02.20.2.HT	SK40-ER32-160	2-20	50	160	50	150,10 € 
403.02.26.2.HT	SK40-ER40-160	3-26	63	160	63	159,60 € 

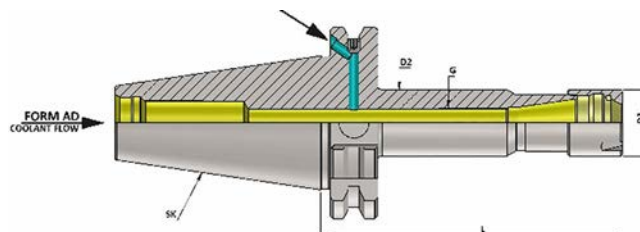
SK30 / SK50 disponibili in 20 giorni 

ER MINI Collet Chuck

Mandrino MINI ER



 DIN6499	 A ≤ 0.003	 RPM G2.5/25000	 AD
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Code	Size	Capacity	D1	L	D	Euro
403.02.07.1.HT	SK40-ER11M-100	1-7	16	100	16	99,00 € 
403.02.07.2.HT	SK40-ER11M-160T	1-7	16	160	16	113,40 € 
403.02.07.10.1.HT	SK40-ER16M-100	1-10	22	100	22	99,00 € 
403.02.07.10.2.HT	SK40-ER16M-160T	1-10	22	160	22	113,40 € 

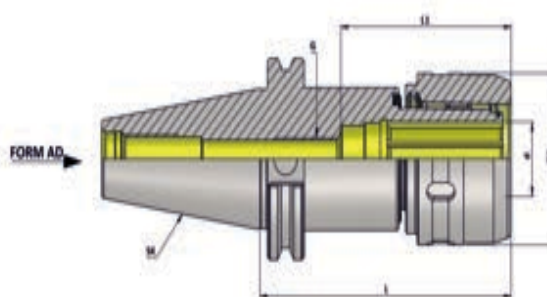
SK30 / SK50 disponibili in 20 giorni 

Power Milling Chuck

Mandrino Forte Serraggio



 A ≤ 0.008	 AD
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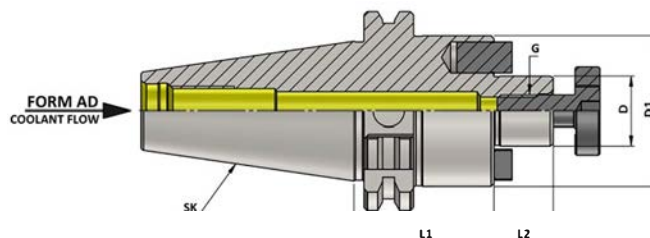
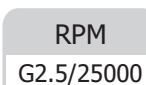
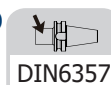


Code	Size	Capacity	d	D	L	Euro
403.64.20.S.HT	SK40-HC20-85	3-16; 20	20	50	85	204,30 € 
403.64.25.S.HT	SK40-HC25-100	3-20; 25	25	59	100	209,70 € 
403.64.32.S.HT	SK40-HC32-105	3-25; 32	32	72	105	215,10 € 

SK50 disponibili in 5 giorni 

Face Mill Holder

Mandrino Porta frese a trascinamento

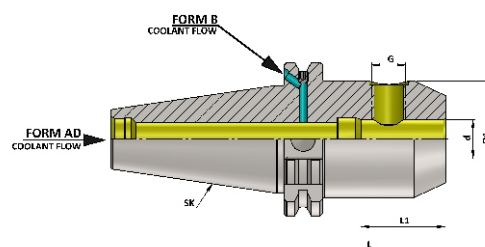
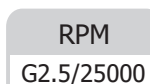
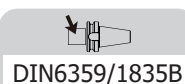


Code	Size	d	D	L	L2	G	Euro	
402.11.16.HT	SK40-FMH16-45	16	38	45	17	M8	71,70 €	●
402.11.22.HT	SK40-FMH22-45	22	48	45	19	M10	74,90 €	●
402.11.27.HT	SK40-FMH27-50	27	58	50	21	M12	78,10 €	●
402.11.32.HT	SK40-FMH32-55	32	78	55	24	M16	81,20 €	●
402.11.16.1.HT	SK40-FMH16-100	16	38	100	17	M8	73,30 €	●
402.11.22.1.HT	SK40-FMH22-100	22	48	100	19	M10	76,50 €	●
402.11.27.1.HT	SK40-FMH27-100	27	58	100	21	M12	79,70 €	●
402.11.32.1.HT	SK40-FMH32-100	32	78	100	24	M16	82,80 €	●

SK50 disponibili in 5 giorni ●
 AD/B disponibile in 5 giorni ●

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

Mandrino Weldon AD/B (AD/AF)



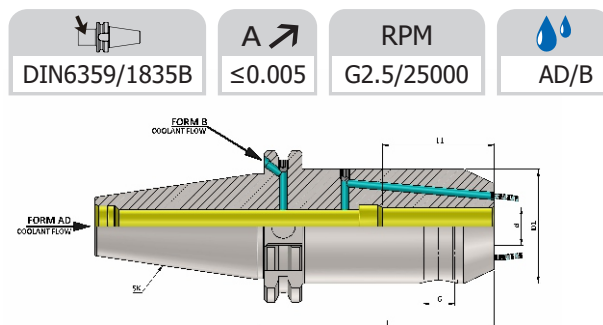
Code	Size	d	D	L	M	Screw Quantity	Euro	
403.04.06.HT	SK40 WE06 050	6	25	50	M6	1	58,70 €	●
403.04.08.HT	SK40 WE08 050	8	28	50	M8	1	55,80 €	●
403.04.10.HT	SK40 WE10 063	10	35	50	M10	1	55,90 €	●
403.04.12.HT	SK40 WE12 063	12	42	50	M12	1	55,90 €	●
403.04.16.HT	SK40 WE16 063	16	48	63	M14	1	55,90 €	●
403.04.20.HT	SK40 WE20 063	20	52	63	M16	1	55,90 €	●
403.04.25.HT	SK40 WE25 100	25	56	100	M18	2	65,10 €	●
403.04.32.HT	SK40 WE32 100	32	60	100	M20	2	67,50 €	●
403.04.40.HT	SK40 WE40 115	40	80	115	M20	2	87,70 €	●
							69,90 €	●
403.04.06.1.HT	SK40 WE06 100	6	25	100	M6	1		●
403.04.08.1.HT	SK40 WE08 100	8	28	100	M8	1	65,10 €	●
403.04.10.1.HT	SK40 WE10 100	10	35	100	M10	1	65,10 €	●
403.04.12.1.HT	SK40 WE12 100	12	42	100	M12	1	65,10 €	●
403.04.16.1.HT	SK40 WE16 100	16	48	100	M14	1	65,10 €	●
403.04.20.1.HT	SK40 WE20 100	20	52	100	M16	1	65,10 €	●
403.04.25.1.HT	SK40 WE25 130	32	56	130	M18	2	121,70 €	●
403.04.32.1.HT	SK40 WE32 130	25	60	130	M20	2	131,50 €	●

SK50 disponibili in 5 giorni



End Mill Holder with Coolant Channels AD+B (AD/AF)

Mandrino Weldon con lubrificazione frontale AD/AF



Code	Size	d	D1	D2	G	L	L1	L2	Screw Q.ty	Euro	
403.04.06.K.HT	SK40 WE06 050 K	6	25	-	M6	50	34	-	1	69,90 €	●
403.04.08.K.HT	SK40 WE08 050 K	8	28	-	M8	50	34	-	1	67,10 €	●
403.04.10.K.HT	SK40 WE10 050 K	10	35	-	M10	50	40	-	1	67,10 €	●
403.04.12.K.HT	SK40 WE12 050 K	12	42	-	M12	50	46	-	1	67,10 €	●
403.04.16.K.HT	SK40 WE16 063 K	16	48	-	M14	63	48	-	1	69,90 €	●
403.04.20.K.HT	SK40 WE20 063 K	20	52	-	M16	63	52	-	1	69,90 €	●
403.04.06.1.K.HT	SK40 WE06 100 K	6	25	36	M6	100	34	40	1	84,90 €	●
403.04.08.1.K.HT	SK40 WE08 100 K	8	28	38	M8	100	34	40	1	82,10 €	●
403.04.10.1.K.HT	SK40 WE10 100 K	10	35	40	M10	100	40	40	1	82,10 €	●
403.04.12.1.K.HT	SK40 WE12 100 K	12	42	-	M12	100	46	-	1	82,10 €	●
403.04.16.1.K.HT	SK40 WE16 100 K	16	48	-	M14	100	48	-	1	88,60 €	●
403.04.20.1.K.HT	SK40 WE20 100 K	20	52	-	M16	100	52	-	1	88,60 €	●
403.04.06.3.K.HT	SK40 WE06 160 K	6	25	36	M6	160	34	80	1	158,80 €	●
403.04.08.3.K.HT	SK40 WE08 160 K	8	28	40	M8	160	34	80	1	147,30 €	●
403.04.10.3.K.HT	SK40 WE10 160 K	10	35	40	M10	160	40	80	1	147,30 €	●
403.04.12.3.K.HT	SK40 WE12 160 K	12	42	-	M12	160	46	-	1	147,30 €	●
403.04.16.3.K.HT	SK40 WE16 160 K	16	48	-	M14	160	48	-	1	147,30 €	●
403.04.20.3.K.HT	SK40 WE20 160 K	20	52	-	M16	160	52	-	1	147,30 €	●

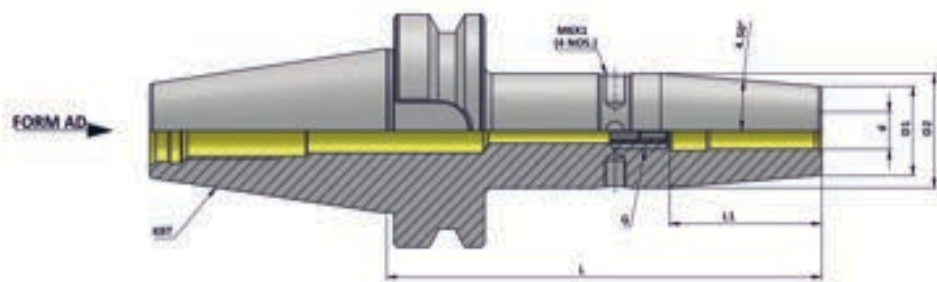
SK50 disponibili in 5 giorni



Shrink Fit Chuck, 4.5°, Standard AD

Mandrino a Calettare 4,5° AD

A ↗ ≤0.003	RPM G2.5/25000	AD
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Code	Size	d	D	D1	L	L2	L1	G	Euro
402.70.03.HT	SK40-SF03-80	3	15	20	80	60.9	-	-	129,20 €
402.70.04.HT	SK40-SF04-80	4	15	20	80	60.9	-	-	100,10 €
402.70.06.HT	SK40-SF06-80	6	21	27	80	60.9	36	M5	86,10 €
402.70.08.HT	SK40-SF08-80	8	21	27	80	60.9	36	M6	86,10 €
402.70.10.HT	SK40-SF10-80	10	24	31	80	60.9	42	M8	86,10 €
402.70.12.HT	SK40-SF12-80	12	24	31	80	60.9	47	M10	86,10 €
402.70.16.HT	SK40-SF16-80	16	27	34	80	60.9	50	M12	86,10 €
402.70.20.HT	SK40-SF20-80	20	33	40	80	60.9	52	M16	86,10 €
402.70.03.1.HT	SK40-SF03-120	3	15	20	120	100.9	-	—	163,40 €
402.70.04.1.HT	SK40-SF04-120	4	15	20	120	100.9	-	—	133,50 €
402.70.06.1.HT	SK40-SF06-120	6	21	27	120	100.9	36	M5	115,20 €
402.70.08.1.HT	SK40-SF08-120	8	21	27	120	100.9	36	M6	115,20 €
402.70.10.1.HT	SK40-SF10-120	10	24	32	120	100.9	42	M8	115,20 €
402.70.12.1.HT	SK40-SF12-120	12	24	32	120	100.9	47	M10	115,20 €
402.70.16.1.HT	SK40-SF16-120	16	27	34	120	100.9	50	M12	115,20 €
402.70.20.1.HT	SK40-SF20-120	20	31	42	120	100.9	52	M16	115,20 €

Lunghezze 160mm e 200mm Disponibile in 20 giorni

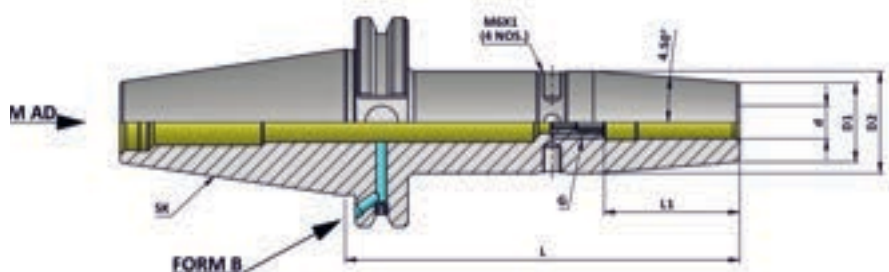
Shrink Fit Chuck, 4.5°, Standard AD/AF (AD/B)

Mandrino a calettare 4,5° AD/AF

A ↗
≤0.003

RPM
G2.5/25000

AD/B

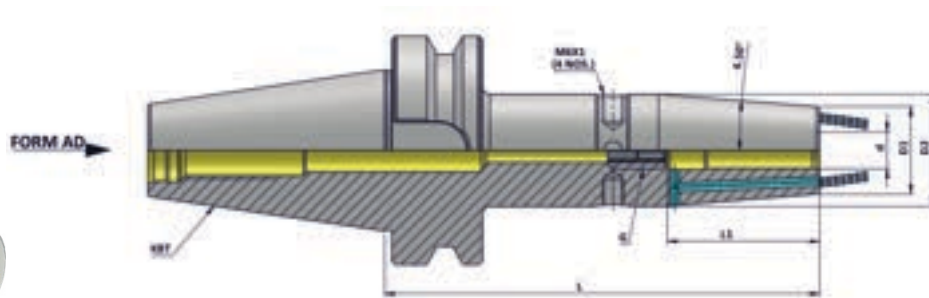


Code	Size	d	D	D1	L	L2	L1	G	Euro
403.70.03.HT	SK40-SF03-80	3	10	20	80	60.9	12	—	173,90 €
403.70.04.HT	SK40-SF04-80	4	15	22	80	60.9	14	—	169,40 €
403.70.06.HT	SK40-SF06-80	6	21	27	80	60.9	36	M5	120,00 €
403.70.08.HT	SK40-SF08-80	8	21	27	80	60.9	36	M6	120,00 €
403.70.10.HT	SK40-SF10-80	10	24	31	80	60.9	41	M8	120,00 €
403.70.12.HT	SK40-SF12-80	12	24	31	80	60.9	46	M10	120,00 €
403.70.16.HT	SK40-SF16-80	16	27	34	80	60.9	49	M12	120,00 €
403.70.20.HT	SK40-SF20-80	20	33	40	80	60.9	51	M16	120,00 €
403.70.03.1.HT	SK40-SF03-120	3	10	20	120	100.9	12	—	197,20 €
403.70.04.1.HT	SK40-SF04-120	4	15	22	120	100.9	14	—	192,70 €
403.70.06.1.HT	SK40-SF06-120	6	21	27	120	100.9	36	M5	171,00 €
403.70.08.1.HT	SK40-SF08-120	8	21	27	120	100.9	36	M6	171,00 €
403.70.10.1.HT	SK40-SF10-120	10	24	31	120	100.9	41	M8	171,00 €
403.70.12.1.HT	SK40-SF12-120	12	24	31	120	100.9	46	M10	171,00 €
403.70.16.1.HT	SK40-SF16-120	16	27	34	120	100.9	49	M12	171,00 €
403.70.20.1.HT	SK40-SF20-120	20	33	40	120	100.9	51	M16	171,00 €

Lunghezze 160mm e 200mm Disponibile in 5 giorni

Shrink Fit Chuck, 4.5°, Coolant AD**Mandrino a Calettare, 4,5°- 2 fori di lub. AD**A ↗
≤0.003RPM
G2.5/25000

AD



Code	Size	d	D	D1	L	L2	L1	G	Euro
402.70.03.K.HT	SK40-SF03-80K	3	15	20	80	60.9	-	-	143,20 €
402.70.04.K.HT	SK40-SF04-80K	4	15	20	80	60.9	-	-	143,20 €
402.70.06.K.HT	SK40-SF06-80K	6	21	27	80	60.9	36	M5	115,20 €
402.70.08.K.HT	SK40-SF08-80K	8	21	27	80	60.9	36	M6	115,20 €
402.70.10.K.HT	SK40-SF10-80K	10	24	32	80	60.9	42	M8x1	115,20 €
402.70.12.K.HT	SK40-SF12-80K	12	24	32	80	60.9	47	M10x1	115,20 €
402.70.16.K.HT	SK40-SF16-80K	16	27	34	80	60.9	50	M12x1	115,20 €
402.70.20.K.HT	SK40-SF20-80K	20	33	42	80	60.9	52	M16x1	115,20 €
402.70.06.1.K.HT	SK40-SF06-120K	6	21	27	120	100.9	36	M5	143,20 €
402.70.08.1.K.HT	SK40-SF08-120K	8	21	27	120	100.9	36	M6	143,20 €
402.70.10.1.K.HT	SK40-SF10-120K	10	24	32	120	100.9	42	M8x1	143,20 €
402.70.12.1.K.HT	SK40-SF12-120K	12	24	32	120	100.9	47	M10x1	143,20 €
402.70.16.1.K.HT	SK40-SF16-120K	16	27	34	120	100.9	50	M12x1	143,20 €
402.70.20.1.K.HT	SK40-SF20-120K	20	33	42	120	100.9	52	M16x1	143,20 €

Lunghezze 160mm Disponibile in 20 giorni

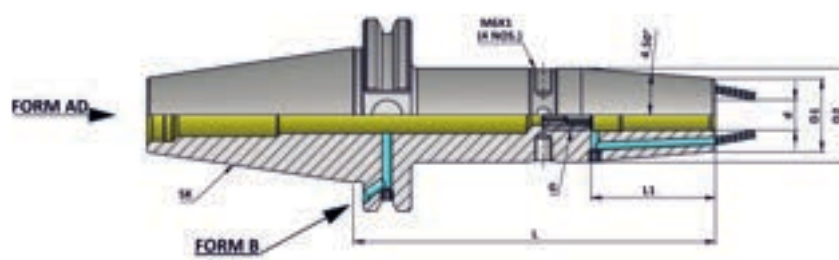
Shrink Fit Chuck, 4.5°, Coolant AD/AF (AD/B)

Mandrino a Calettare, 4,5°-2 fori lub. AD/AF (AD/B)

A ↗
≤0.003

RPM
G2.5/25000

AD/B

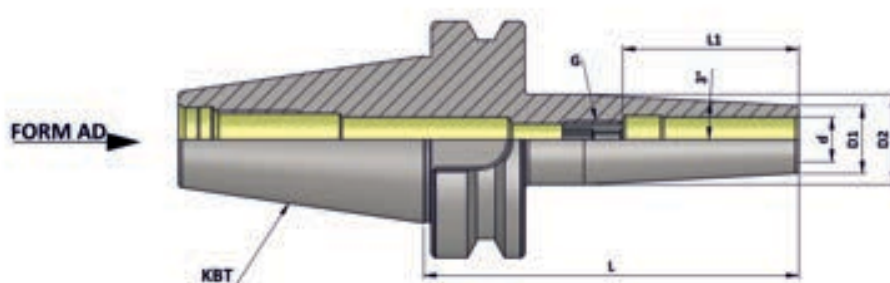


Code	Size	d	D	D1	L	L2	L1	G	Euro
403.70.03.K.HT	SK40-SF03-80K	3	10	20	80	60.9	12	-	207,00 €
403.70.04.K.HT	SK40-SF04-80K	4	15	22	80	60.9	14	-	202,50 €
403.70.06.K.HT	SK40-SF06-80K	6	21	27	80	60.9	36	M5	152,90 €
403.70.08.K.HT	SK40-SF08-80K	8	21	27	80	60.9	36	M6	152,90 €
403.70.10.K.HT	SK40-SF10-80K	10	24	31	80	60.9	41	M8x1	152,90 €
403.70.12.K.HT	SK40-SF12-80K	12	24	31	80	60.9	46	M10x1	152,90 €
403.70.16.K.HT	SK40-SF16-80K	16	27	34	80	60.9	49	M12x1	152,90 €
403.70.20.K.HT	SK40-SF20-80K	20	33	40	80	60.9	51	M16x1	152,90 €
403.70.03.1.K.HT	SK40-SF03-120K	3	10	20	120	100.9	12	-	230,10 €
403.70.04.1.K.HT	SK40-SF04-120K	4	15	22	120	100.9	14	-	225,60 €
403.70.06.1.K.HT	SK40-SF06-120K	6	21	27	120	100.9	36	M5	203,90 €
403.70.08.1.K.HT	SK40-SF08-120K	8	21	27	120	100.9	36	M6	203,90 €
403.70.10.1.K.HT	SK40-SF10-120K	10	24	31	120	100.9	41	M8x1	203,90 €
403.70.12.1.K.HT	SK40-SF12-120K	12	24	31	120	100.9	46	M10x1	203,90 €
403.70.16.1.K.HT	SK40-SF16-120K	16	27	34	120	100.9	49	M12x1	203,90 €
403.70.20.1.K.HT	SK40-SF20-120K	20	33	40	120	100.9	51	M16x1	203,90 €

Lunghezze 160mm Disponibile in 20 giorni

Shrink Fit Chuck, Series SLIM 3°AD**Mandrino a Calettare, SLIM 3° AD**A ↗
≤0.003RPM
G2.5/25000

AD



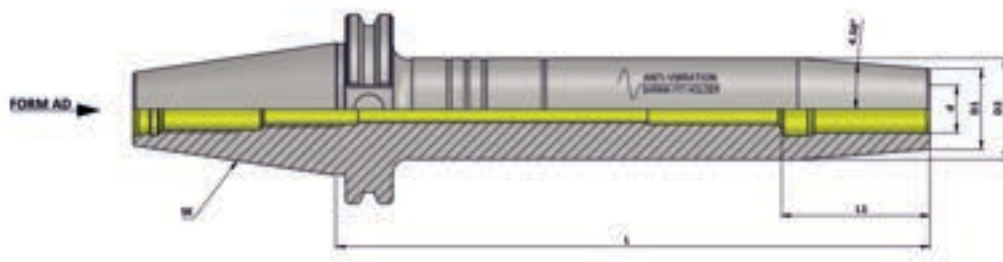
Code	Size	d	D	D1	L	L1	G	Euro
402.72.03.HT	SK40-SFS03-80	3	9	16.1	80	-	-	129,20 €
402.72.04.HT	SK40-SFS04-80	4	10	17.1	80	-	-	100,10 €
402.72.06.HT	SK40-SFS06-80	6	12	19.1	80	36	M5	86,10 €
402.72.08.HT	SK40-SFS08-80	8	14	21.1	80	36	M6	86,10 €
402.72.10.HT	SK40-SFS10-80	10	16	23.1	80	42	M8x1	86,10 €
402.72.12.HT	SK40-SFS12-80	12	18	25.1	80	47	M10x1	86,10 €
402.72.16.HT	SK40-SFS16-80	16	22	29.1	80	50	M12x1	86,10 €
402.72.03.1.HT	SK40-SFS03-120	3	9	19.1	120	-	-	158,20 €
402.72.04.1.HT	SK40-SFS04-120	4	10	20.1	120	-	-	129,20 €
402.72.06.1.HT	SK40-SFS06-120	6	12	22.1	120	36	M5	115,20 €
402.72.08.1.HT	SK40-SFS08-120	8	14	24.1	120	36	M6	115,20 €
402.72.10.1.HT	SK40-SFS10-120	10	16	26.1	120	42	M8x1	115,20 €
402.72.12.1.HT	SK40-SFS12-120	12	18	28.1	120	47	M10x1	115,20 €
402.72.16.1.HT	SK40-SFS16-120	16	22	32.1	120	50	M12x1	115,20 €

Shrink Fit Holder Anti-Vibration 4.5° AD

Mandrino a Calettare Anti-vibrante 4,5° AD

A ↗
≤0.01

AD



Code	Size	d	D2	D1	L	L1	Euro
403.75.16.HT	SK40 SFH16 200 AD/AV	16	27	34	200	49	601,10 €
403.75.16.1.HT	SK40 SFH16 250 AD/AV	16	27	34	250	49	822,10 €
403.75.16.2.HT	SK40 SFH16 300 AD/AV	16	27	34	300	49	968,50 €
403.75.20.HT	SK40 SFH20 200 AD/AV	20	33	40	200	51	601,10 €
403.75.20.1.HT	SK40 SFH20 250 AD/AV	20	33	40	250	51	822,10 €
403.75.20.2.HT	SK40 SFH20 300 AD/AV	20	33	40	300	51	968,50 €
403.75.25.HT	SK40 SFH25 200 AD/AV	25	44	53	200	57	601,10 €
403.75.25.1.HT	SK40 SFH25 250 AD/AV	25	44	53	250	57	822,10 €
403.75.25.2.HT	SK40 SFH25 300 AD/AV	25	44	53	300	57	968,50 €
403.75.32.HT	SK40 SFH32 200 AD/AV	32	44	53	200	61	601,10 €
403.75.32.1.HT	SK40 SFH32 250 AD/AV	32	44	53	250	61	822,10 €
403.75.32.2.HT	SK40 SFH32 300 AD/AV	32	44	53	300	61	968,50 €

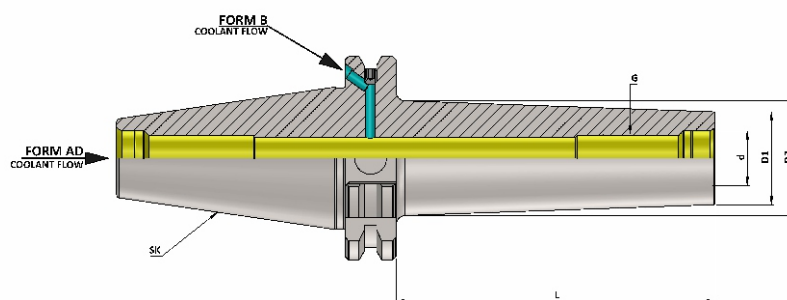


Milling Cutter Arbor (AD+B)(AD/AF)

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
403.06.06.HT	SK40 MCA06 025	6.5	10	13	M6	25	121,60 €
403.06.06.1.HT	SK40 MCA06 050	6.5	10	20	M6	50	140,60 €
403.06.06.2.HT	SK40 MCA06 075	6.5	10	23	M6	75	153,30 €
403.06.08.HT	SK40 MCA08 025	8.5	13	15	M8	25	121,60 €
403.06.08.1.HT	SK40 MCA08 050	8.5	13	23	M8	50	140,60 €
403.06.08.2.HT	SK40 MCA08 075	8.5	13	23	M8	75	153,30 €
403.06.08.3.HT	SK40 MCA08 100	8.5	13	25	M8	100	173,10 €
403.06.10.HT	SK40 MCA10 025	10.5	18	20	M10	25	121,60 €
403.06.10.1.HT	SK40 MCA10 050	10.5	18	23	M10	50	133,60 €
403.06.10.2.HT	SK40 MCA10 075	10.5	18	28	M10	75	153,30 €
403.06.10.3.HT	SK40 MCA10 100	10.5	18	32	M10	100	178,00 €
403.06.12.HT	SK40 MCA12 025	12.5	21	24	M12	25	121,60 €
403.06.12.1.HT	SK40 MCA12 050	12.5	21	24	M12	50	133,60 €
403.06.12.2.HT	SK40 MCA12 075	12.5	21	31	M12	75	153,30 €
403.06.12.3.HT	SK40 MCA12 100	12.5	21	33	M12	100	178,00 €
403.06.12.4.HT	SK40 MCA12 125	12.5	21	36	M12	125	201,30 €
403.06.16.HT	SK40 MCA16 025	17.0	29	29	M16	25	125,90 €
403.06.16.1.HT	SK40 MCA16 050	17.0	29	34	M16	50	140,60 €
403.06.16.2.HT	SK40 MCA16 075	17.0	29	34	M16	75	153,30 €
403.06.16.3.HT	SK40 MCA16 100	17.0	29	36	M16	100	178,00 €
403.06.16.4.HT	SK40 MCA16 125	17.0	29	40	M16	125	206,30 €
403.06.16.5.HT	SK40 MCA16 150	17.0	29	42.5	M16	150	213,40 €

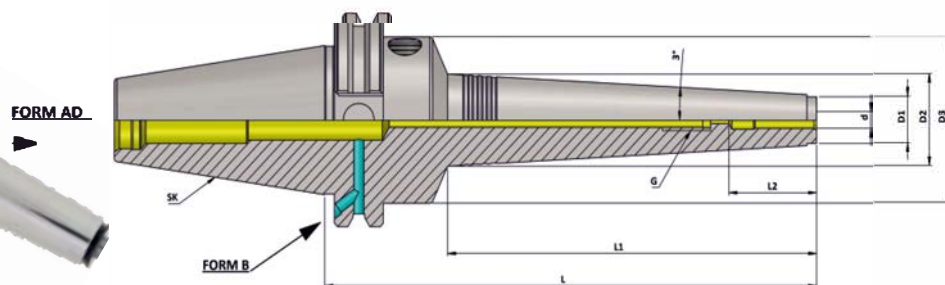
Hydraulic Expansion Chuck SLIM 3° AD/AF

Mandrino Idraulico SLIM 3° AD/AF

A ↗
≤0.003

RPM
G2.5/25000

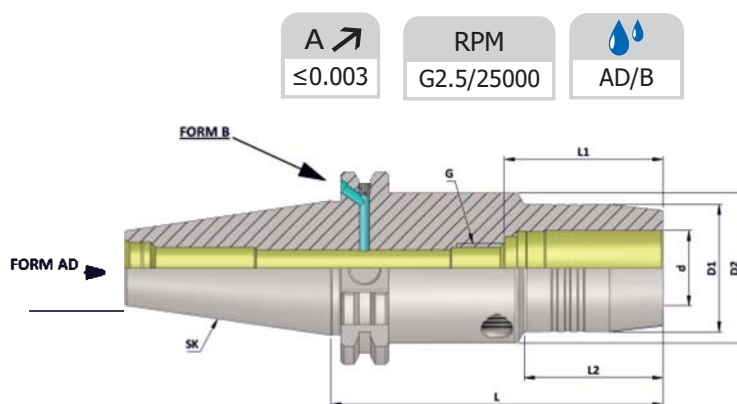
AD/F



Code	Description	d	D1	D2	D3	G	L	L1	L2	Euro
403.H03.075.SL.HT	SK40 H03 075 SLIM	3	11	14.0	46	-	75	28	28	520,90 €
403.H03.090.SL.HT	SK40 H03 090 SLIM	3	11	14.9	46	-	90	37	28	520,90 €
403.H03.135.SL.HT	SK40 H03 135 SLIM	3	11	19.9	46	-	135	84	28	539,50 €
403.H04.075.SL.HT	SK40 H04 075 SLIM	4	11	14.0	46	-	75	28	28	520,90 €
403.H04.090.SL.HT	SK40 H04 090 SLIM	4	11	14.9	46	-	90	37	28	520,90 €
403.H04.135.SL.HT	SK40 H04 135 SLIM	4	11	19.9	46	-	135	84	28	539,50 €
403.H06.090.SL.HT	SK40 H06 090 SLIM	6	13	17.0	46	M5	90	38	37	465,10 €
403.H06.135.SL.HT	SK40 H06 135 SLIM	6	13	21.9	46	M5	135	84	37	483,60 €
403.H06.150.SL.HT	SK40 H06 150 SLIM	6	13	23.4	46	M5	150	99	37	532,00 €
403.H06.165.SL.HT	SK40 H06 165 SLIM	6	13	25.0	46	M5	165	114	37	604,60 €
403.H06.180.SL.HT	SK40 H06 180 SLIM	6	13	26.7	46	M5	180	130	37	669,70 €
403.H08.090.SL.HT	SK40 H08 090 SLIM	8	15	19.0	46	M6	90	38	37	465,10 €
403.H08.135.SL.HT	SK40 H08 135 SLIM	8	15	23.9	46	M6	135	84	37	483,60 €
403.H08.150.SL.HT	SK40 H08 150 SLIM	8	15	25.4	46	M6	150	99	37	532,00 €
403.H08.165.SL.HT	SK40 H08 165 SLIM	8	15	27.0	46	M6	165	114	37	604,60 €
403.H08.180.SL.HT	SK40 H08 180 SLIM	8	15	28.7	46	M6	180	130	37	669,70 €
403.H10.105.SL.HT	SK40 H10 105 SLIM	10	17	22.6	46	MS	105	53	41	465,10 €
403.H10.135.SL.HT	SK40 H10 135 SLIM	10	17	25.9	46	MS	135	84	41	483,60 €
403.H10.150.SL.HT	SK40 H10 150 SLIM	10	17	27.4	46	MS	150	99	41	532,00 €
403.H10.165.SL.HT	SK40 H10 165 SLIM	10	17	29.0	46	MS	165	114	41	604,60 €
403.H10.180.SL.HT	SK40 H10 180 SLIM	10	17	30.7	46	MS	180	130	41	669,70 €
403.H12.105.SL.HT	SK40 H12 105 SLIM	12	19	24.6	46	MS	105	53	46	465,10 €
403.H12.135.SL.HT	SK40 H12 135 SLIM	12	19	27.9	46	MS	135	84	46	483,60 €
403.H12.150.SL.HT	SK40 H12 150 SLIM	12	19	29.4	46	MS	150	99	46	532,00 €
403.H12.165.SL.HT	SK40 H12 165 SLIM	12	19	31.0	46	MS	165	114	46	604,60 €
403.H12.180.SL.HT	SK40 H12 180 SLIM	12	19	32.7	46	MS	180	130	46	669,70 €
403.H16.135.SL.HT	SK40 H16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	483,60 €
403.H16.165.SL.HT	SK40 H16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	604,60 €
403.H16.180.SL.HT	SK40 H16 180 SLIM	16	23	36.6	52.5	M12	180	129	49	669,70 €
403.H20.135.SL.HT	SK40 H20 135 SLIM	20	28	36.9	60	M16	135	84	51	483,60 €
403.H20.165.SL.HT	SK40 H20 165 SLIM	20	28	40.0	60	M16	165	114	51	604,60 €
403.H20.180.SL.HT	SK40 H20 180 SLIM	20	28	41.6	60	M16	180	129	51	669,70 €

Hydraulic Expansion Chuck AD/AF

Mandrino Idraulico AD/AF



Code	Description	d	D1	D2	G	L	L1	L2	Euro
403.H.06.80.5.HT	SK40 H06 80.5	6	26	49.5	M5	80.5	37	29.5	290,60 €
403.H.06.110.HT	SK40 H06 110	6	26	49.5	M5	110	37	29	461,70 €
403.H.08.80.5.HT	SK40 H08 80.5	8	28	49.5	M6	80.5	37	30	284,60 €
403.H.08.110.HT	SK40 H08 110	8	28	49.5	M6	110	37	30	461,70 €
403.H.10.80.5.HT	SK40 H10 80.5	10	30	49.5	MB	80.5	41	35	284,60 €
403.H.10.110.HT	SK40 H10 110	10	30	49.5	MB	110	41	35	461,70 €
403.H.12.80.5.HT	SK40 H12 80.5	12	32	49.5	M10	80.5	46	40	284,60 €
403.H.12.110.HT	SK40 H12 110	12	32	49.5	M10	110	46	40	461,70 €
403.H.14.80.5.HT	SK40 H14 80.5	14	34	49.5	M10	80.5	46	40	284,60 €
403.H.14.110.HT	SK40 H14 110	14	34	49.5	M10	110	46	40	461,70 €
403.H.16.80.5.HT	SK40 H16 80.5	16	38	49.5	M12	80.5	49	45	284,60 €
403.H.16.110.HT	SK40 H16 110	16	38	49.5	M12	110	49	45	461,70 €
403.H.18.80.5.HT	SK40 H18 80.5	18	40	49.5	M12	80.5	49	46	284,60 €
403.H.18.110.HT	SK40 H18 110	18	40	49.5	M12	110	49	46	461,70 €
403.H.20.80.5.HT	SK40 H20 80.5	20	42	49.5	M16	80.5	51	47	284,60 €
403.H.20.110.HT	SK40 H20 110	20	42	49.5	M16	110	51	47	461,70 €
403.H.25.095.HT	SK40 H25 095	25	55	63	M16	95	57	28	284,60 €
403.H.25.110.HT	SK40 H25 110	25	55	63	M16	110	57	28	501,60 €
403.H.32.095.HT	SK40 H32 095	32	63	70	M16	95	61	25.5	284,60 €
403.H.32.110.HT	SK40 H32 110	32	63	59	M16	110	61	59	501,60 €

Hydraulic Collet Set

Set Mandrino idraulico con riduzioni



Code	Hydraulic chuck	Hydraulic Collet	Collet Quantity	key Size	Euro
403.H20SRD	SK40-H20-80.5	HY20-6.8.10.12.16	5pcs	5L	518,00 €

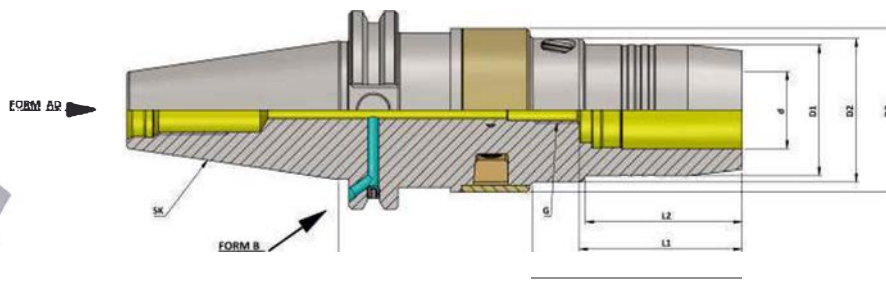
Hydraulic Expansion Chuck with "Run Out" adjustment

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
403.H20.RA.HT	SK40 H20 130	20	42	46	52.5	MB	130	51	50	67.5	706,90 €
403.H32.RA.HT	SK40 H32 150	32	42	46	52.5	MB	150	51	50	67.5	837,10 €
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 Heavy Duty power AD/AF

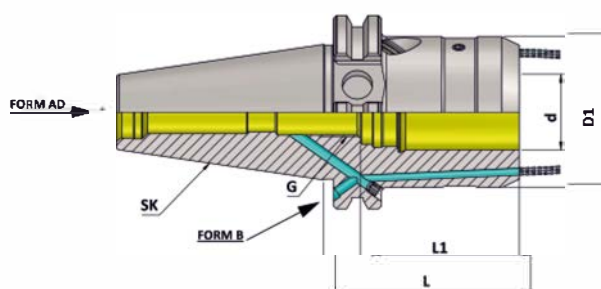
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD/AF

A ↗
≤0.003

RPM
G2.5/25000

AD/B



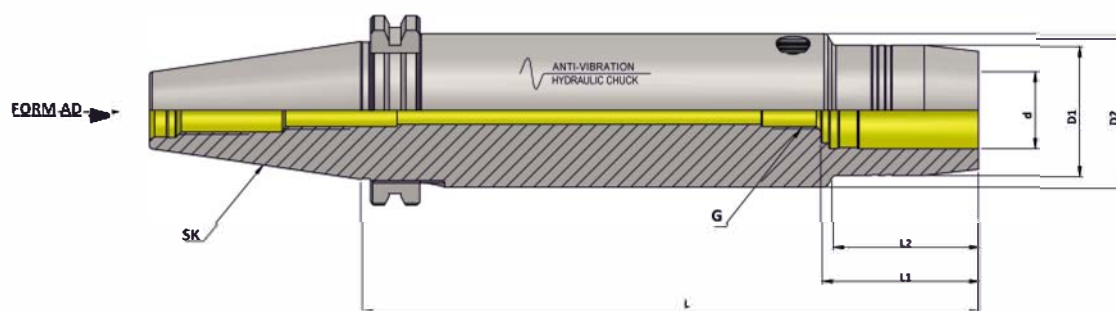
Code	Description	d	D1	G	L	L1	Euro
403.H12.HD.HT	SK40 H12S 050 FCC	12	42	M10	50	40	253,00 €
403.H20.HD.HT	SK40 H20S 64.5 FCC	20	50	M10	64.5	42	253,00 €
503.H12.HD.HT	SK50 H12S 50.5 FCC	12	42	M10	50.5	40	272,20 €
503.H20.HD.HT	SK50 H20S 64.5 FCC	20	50	M16	64.5	42	272,20 €
503.H32.HD.HT	SK50 H32S 81.0 FCC	32	72	M16	81	55	284,40 €

Hydraulic Expansion Chuck Anti - Vibration AD

Mandrino Idraulico Anti - vibrante AD

A ↗
≤0.003

AD

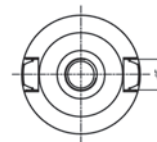
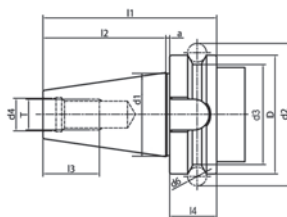
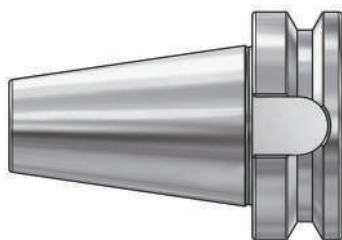


Code	Description	d	D1	D2	G	L	L1	L2	Euro
403.H20 200.AV.HT	SK40 H20 200 AD/AV	20	42	49.5	M16	200	51	47	1.004,40 €
403.H20 250.AV.HT	SK40 H20 250 AD/AV	20	42	49.5	M16	250	51	47	1.320,60 €
403.H20 300.AV.HT	SK40 H20 300 AD/AV	20	42	49.5	M16	300	51	47	1.506,70 €
403.H25 200.AV.HT	SK40 H25 200 AD/AV	25	52	55	M16	200	57	50	1.051,00 €
403.H25 250.AV.HT	SK40 H25 250 AD/AV	25	52	55	M16	250	57	50	1.367,20 €
403.H25 300.AV.HT	SK40 H25 300 AD/AV	25	52	55	M16	300	57	50	1.553,20 €
403.H32 200.AV.HT	SK40 H32 200 AD/AV	32	62	63	M16	200	61	48	1.097,50 €
403.H32 250.AV.HT	SK40 H32 250 AD/AV	32	62	63	M16	250	61	48	1.413,70 €
403.H32 300.AV.HT	SK40 H32 300 AD/AV	32	62	63	M16	300	61	48	1.599,70 €



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

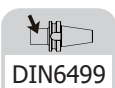
Hardness/Durezza: HRC 56-60

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

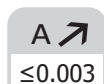
Surface Roughness/Rugosità superficiale: Ra 0,2 m

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

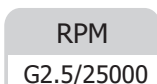
Cooling:/Raffreddamento: AD; AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



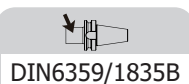
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



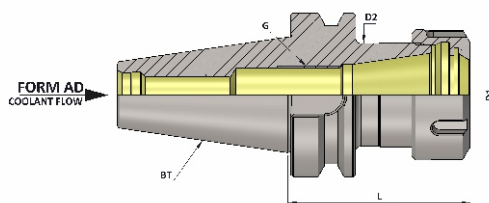
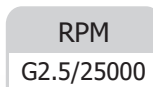
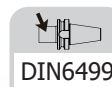
Lubrication (AD/B) AD/AF
Lubrificazione (AD/B) AD/AF



Socket type according to DIN6359
tipologia di presa secondo DIN6359

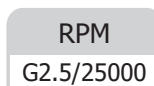
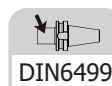
BRIGHT-TOOLS ER Collet Chuck

Mandrino ER



Code	Size	D	D1	L	Capacity	Euro
405.02.10.HT	BT40-ER16-70	28	32	70	1-10	49,50 €
405.02.16.HT	BT40-ER25-70	42	42	70	2-16	49,50 €
405.02.20.HT	BT40-ER32-70	50	50	70	2-20	51,30 €
405.02.26.HT	BT40-ER40-80	50	63	80	3-26	54,00 €
405.02.10.1.HT	BT40-ER16-100	28	32	100	1-10	54,90 €
405.02.16.1.HT	BT40-ER25-100	42	42	100	2-16	62,10 €
405.02.20.1.HT	BT40-ER32-100	50	50	100	2-20	62,10 €
405.02.26.1.HT	BT40-ER40-100	50	63	100	3-26	70,20 €

BT30 / BT50 disponibili in 20 giorni 🕒

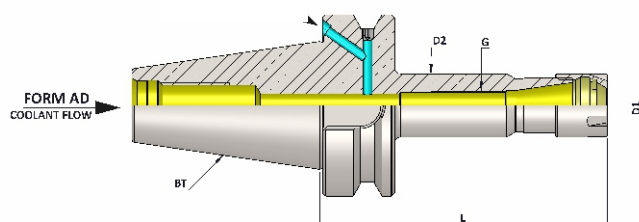


Code	Size	D	D1	L	Capacity	Euro
406.02.10.HT	BT40-ER16-70	28	32	70	1-10	74,70 €
406.02.16.HT	BT40-ER25-70	42	42	70	2-16	74,70 €
406.02.20.HT	BT40-ER32-70	50	50	70	2-20	79,80 €
406.02.26.HT	BT40-ER40-80	50	63	80	3-26	85,90 €

BT50 disponibili in 20 giorni 🕒

ER MINI Collet Chuck

Mandrino MINI ER

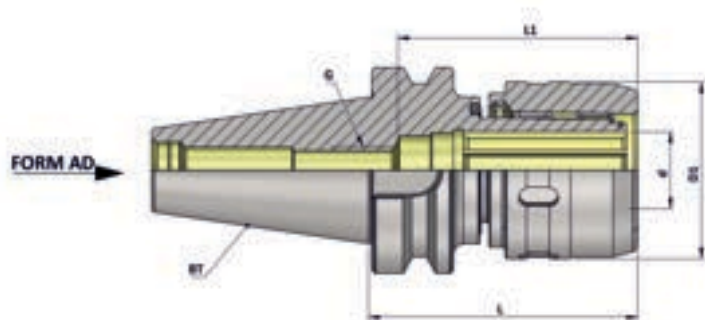


Code	Size	D	D1	L	Capacity	Euro
406.02.07.1.HT	BT40-ER11M-100	16	16	100	1-7	98,60 € 
406.02.07.10.1.HT	BT40-ER16M-100	22	22	100	1-10	98,60 € 
406.02.07.2.HT	BT40-ER11M-160T	16	16	160	1-7	113,10 € 
406.02.07.10.2.HT	BT40-ER16M-160T	22	22	160	1-10	113,10 € 

BT50 disponibili in 20 giorni 

Power Milling Chuck

Mandrino Forte Serraggio

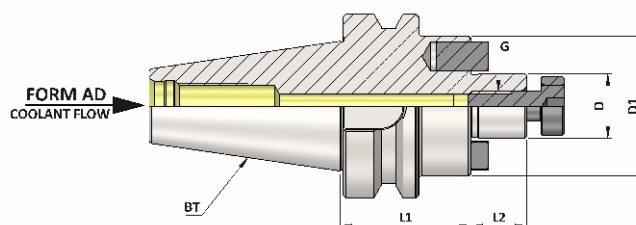
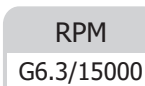
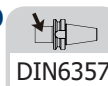


Code	Size	d	D	L	Capacity	Euro
406.64.20.S.HT	BT40-HC20-90	20	50	90	3-16; 20	204,30 € 
406.64.25.S.HT	BT40-HC25-100	25	59	100	3-20; 25	209,70 € 
406.64.32.S.HT	BT40-HC32-90	32	72	90	3-25; 32	215,10 € 

BT50 disponibili in 20 giorni 

Face Mill Holder

Mandrino Porta frese a trascinamento



Code	Size	d	D	L	H	M	Euro	
405.11.16.HT	BT40-FMB16-45	16	38	45	17	M8	69,10 €	●
405.11.22.HT	BT40-FMB22-45	22	48	45	19	M10	69,80 €	●
405.11.27.HT	BT40-FMB27-45	27	58	45	21	M12	69,80 €	●
405.11.32.HT	BT40-FMB32-50	32	78	50	24	M16	74,50 €	●
405.11.16.1.HT	BT40-FMB16-100	16	38	100	17	M8	73,60 €	●
405.11.22.1.HT	BT40-FMB22-100	22	48	100	19	M10	72,90 €	●
405.11.27.1.HT	BT40-FMB27-100	27	58	100	21	M12	77,50 €	●
405.11.32.1.HT	BT40-FMB32-100	32	78	100	24	M16	89,80 €	●

BT50 disponibile in 5 giorni ●

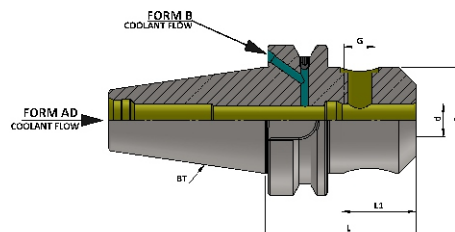
AD/B disponibile in 5 giorni ●

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

Mandrino Weldon AD/B (AB/AF)



			
DIN6359/1835B	≤ 0.005	RPM G2.5/25000	AD/B



Code	Size	d	D	L	M	Screw Quantity	Euro
406.04.06.HT	BT40 WE06 050	6	25	50	M6	1	59,80 €
406.04.08.HT	BT40 WE08 050	8	28	50	M8	1	57,10 €
406.04.10.HT	BT40 WE10 063	10	35	63	M10	1	57,10 €
406.04.12.HT	BT40 WE12 063	12	42	63	M12	1	57,10 €
406.04.16.HT	BT40 WE16 063	16	48	63	M14	1	57,10 €
406.04.20.HT	BT40 WE20 063	20	52	63	M16	1	57,10 €
406.04.25.HT	BT40 WE25 090	25	65	90	M18	2	64,20 €
406.04.32.HT	BT40 WE32 100	32	72	100	M20	2	69,90 €
406.04.40.HT	BT40 WE40 105	40	80	105	M20	2	76,70 €
406.04.06.1.HT	BT40 WE06 100	6	25	100	M6	1	70,60 €
406.04.08.1.HT	BT40 WE08 100	8	28	100	M8	1	66,70 €
406.04.10.1.HT	BT40 WE10 100	10	35	100	M10	1	66,30 €
406.04.12.1.HT	BT40 WE12 100	12	42	100	M12	1	66,30 €
406.04.16.1.HT	BT40 WE16 100	16	48	100	M14	1	66,30 €
406.04.20.1.HT	BT40 WE20 100	20	52	100	M16	1	66,30 €
406.04.25.1.HT	BT40 WE25 130	25	65	130	M18	2	141,90 €
406.04.32.1.HT	BT40 WE32 130	32	72	130	M20	2	149,10 €

BT50 disponibile in 5 giorni



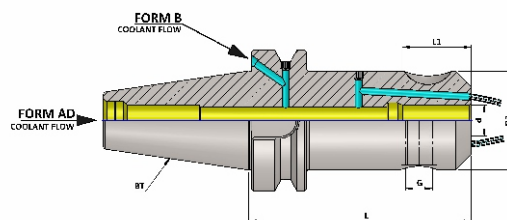
End Mill Holder Weldon with coolant Channels AD+B (AD/AF)

Mandrino Weldon con lub.frontale AD+B (AD/AF)


 DIN6359/1835B


 ≤ 0.005

 RPM
 G2.5/25000


 AD/B


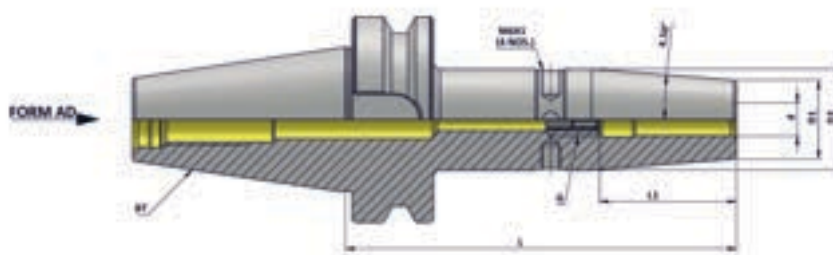
Code	Size	d	D1	D2	G	L	L1	L2	Screw Q.ty	Euro	
406.04.06.K.HT	BT40 WE06 050 K	6	25	-	M6	50	34	-	1	74,30 €	●
406.04.08.K.HT	BT40 WE08 050 K	8	28	-	M8	50	34	-	1	67,10 €	●
406.04.10.K.HT	BT40 WE10 063 K	10	35	-	M10	50	40	-	1	67,10 €	●
406.04.12.K.HT	BT40 WE12 063 K	12	42	-	M12	50	46	-	1	67,10 €	●
406.04.16.K.HT	BT40 WE16 063 K	16	48	-	M14	63	48	-	1	74,30 €	●
406.04.20.K.HT	BT40 WE20 063 K	20	52	-	M16	63	52	-	1	74,30 €	●
406.04.06.1.K.HT	BT40 WE06 100 K	6	25	36	M6	100	34	40	1	84,90 €	●
406.04.08.1.K.HT	BT40 WE08 100 K	8	28	38	M8	100	34	40	1	82,10 €	●
406.04.10.1.K.HT	BT40 WE10 100 K	10	35	40	M10	100	40	40	1	82,10 €	●
406.04.12.1.K.HT	BT40 WE12 100 K	12	42	-	M12	100	46	-	1	82,10 €	●
406.04.16.1.K.HT	BT40 WE16 100 K	16	48	-	M14	100	48	-	1	88,60 €	●
406.04.20.1.K.HT	BT40 WE20 100 K	20	52	-	M16	100	52	-	1	88,60 €	●
406.04.06.3.K.HT	BT40 WE06 160 K	6	25	36	M6	160	34	80	1	158,80 €	●
406.04.08.3.K.HT	BT40 WE08 160 K	8	28	40	M8	160	34	80	1	147,30 €	●
406.04.10.3.K.HT	BT40 WE10 160 K	10	35	40	M10	160	40	80	1	147,30 €	●
406.04.12.3.K.HT	BT40 WE12 160 K	12	42	-	M12	160	46	-	1	147,30 €	●
406.04.16.3.K.HT	BT40 WE16 160 K	16	48	-	M14	160	48	-	1	147,30 €	●
406.04.20.3.K.HT	BT40 WE20 160 K	20	52	-	M16	160	52	-	1	147,30 €	●

BT50 disponibile in 5 giorni



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

AD

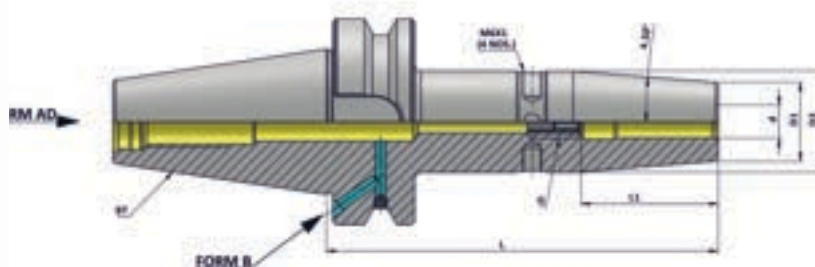


Code	Size	d	D1	D2	L	L1	G	Euro	
405.70.03.HT	BT40-SF03-80	3	15	20	80	12	-	129,20 €	🇮🇹
405.70.04.HT	BT40-SF04-80	4	15	20	80	14	-	100,10 €	🇮🇹
405.70.06.HT	BT40-SF06-90	6	21	27	90	36	M5	86,10 €	🇮🇹
405.70.08.HT	BT40-SF08-90	8	21	27	90	36	M6	86,10 €	🇮🇹
405.70.10.HT	BT40-SF10-90	10	24	31	90	41	M8x1	86,10 €	🇮🇹
405.70.12.HT	BT40-SF12-90	12	24	31	90	46	M10x1	86,10 €	🇮🇹
405.70.16.HT	BT40-SF16-90	16	27	34	90	49	M12x1	86,10 €	🇮🇹
405.70.20.HT	BT40-SF20-90	20	33	40	90	51	M16x1	86,10 €	🇮🇹
405.70.03.1.HT	BT40-SF03-120	3	15	20	120	12	-	163,40 €	🇮🇹
405.70.04.1.HT	BT40-SF04-120	4	15	20	120	14	-	133,50 €	🇮🇹
405.70.06.1.HT	BT40-SF06-120	6	21	27	120	36	M5	115,20 €	🇮🇹
405.70.08.1.HT	BT40-SF08-120	8	21	27	120	36	M6	115,20 €	🇮🇹
405.70.10.1.HT	BT40-SF10-120	10	24	32	120	41	M8x1	115,20 €	🇮🇹
405.70.12.1.HT	BT40-SF12-120	12	24	32	120	46	M10x1	115,20 €	🇮🇹
405.70.16.1.HT	BT40-SF16-120	16	27	34	120	49	M12x1	115,20 €	🇮🇹
405.70.20.1.HT	BT40-SF20-120	20	33	42	120	51	M16x1	115,20 €	🇮🇹

Lunghezza 160mm e 200mm disponibile in 20 giorni 🇮🇹

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



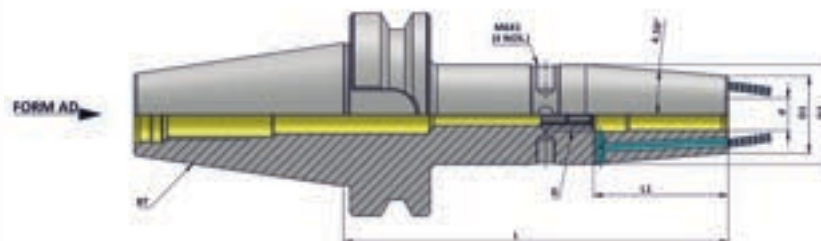
Code	Size	d	D1	D2	L	L1	G	Euro	
406.70.03.HT	BT40 SFH03 090 AD+B	3	10	20	90	12	-	184,00 €	●
406.70.04.HT	BT40 SFH04 090 AD+B	4	15	22	90	14	-	177,90 €	●
406.70.06.HT	BT40 SFH06 090 AD+B	6	21	27	90	36	M5	157,50 €	●
406.70.08.HT	BT40 SFH08 090 AD+B	8	21	27	90	36	M6	157,50 €	●
406.70.10.HT	BT40 SFH10 090 AD+B	10	24	31	90	41	M8x1	157,50 €	●
406.70.12.HT	BT40 SFH12 090 AD+B	12	24	31	90	46	M10x1	157,50 €	●
406.70.16.HT	BT40 SFH16 090 AD+B	16	27	34	90	49	M12x1	157,50 €	●
406.70.20.HT	BT40 SFH20 090 AD+B	20	33	40	90	51	M16x1	157,50 €	●
406.70.03.1.HT	BT40 SFH03 120 AD+B	3	10	20	120	12	-	210,40 €	●
406.70.04.1.HT	BT40 SFH04 120 AD+B	4	15	22	120	14	-	205,90 €	●
406.70.06.1.HT	BT40 SFH06 120 AD+B	6	21	27	120	36	M5	183,20 €	●
406.70.08.1.HT	BT40 SFH08 120 AD+B	8	21	27	120	36	M6	183,20 €	●
406.70.10.1.HT	BT40 SFH10 120 AD+B	10	24	32	120	41	M8x1	183,20 €	●
406.70.12.1.HT	BT40 SFH12 120 AD+B	12	24	32	120	46	M10x1	183,20 €	●
406.70.16.1.HT	BT40 SFH16 120 AD+B	16	27	34	120	49	M12x1	183,20 €	●
406.70.20.1.HT	BT40 SFH20 120 AD+B	20	33	42	120	51	M16x1	183,20 €	●

Lunghezza 160mm e 200mm disponibile in 5 giorni



Shrink Fit Chuck, 4.5°, Coolant AD**Mandrino a calettare 4.5°, 2 fori di lub. AD**A ↗
≤0.003RPM
G2.5/25000

AD

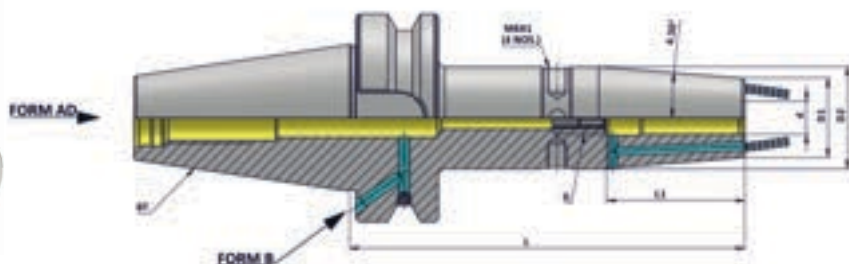


Code	Size	d	D	D1	L	L2	L1	N	G	Euro	
405.70.03.K.HT	BT40-SF03-80K	3	15	20	80	53	-	-	-	172,20 €	🇮🇹
405.70.04.K.HT	BT40-SF04-80K	4	15	20	80	53	-	-	-	143,20 €	🇮🇹
405.70.06.K.HT	BT40-SF06-90K	6	21	27	90	63	36	10	M5	115,20 €	🇮🇹
405.70.08.K.HT	BT40-SF08-90K	8	21	27	90	63	36	10	M6	115,20 €	🇮🇹
405.70.10.K.HT	BT40-SF10-90K	10	24	32	90	63	42	10	M8x1	115,20 €	🇮🇹
405.70.12.K.HT	BT40-SF12-90K	12	24	32	90	63	47	10	M10x1	115,20 €	🇮🇹
405.70.16.K.HT	BT40-SF16-90K	16	27	34	90	63	50	10	M12x1	115,20 €	🇮🇹
405.70.20.K.HT	BT40-SF20-90K	20	33	42	90	63	52	10	M16x1	115,20 €	🇮🇹
405.70.06.1.K.HT	BT40-SF06-120K	6	21	27	120	93	36	10	M5	143,20 €	🇮🇹
405.70.08.1.K.HT	BT40-SF08-120K	8	21	27	120	93	36	10	M6	143,20 €	🇮🇹
405.70.10.1.K.HT	BT40-SF10-120K	10	24	32	120	93	42	10	M8x1	143,20 €	🇮🇹
405.70.12.1.K.HT	BT40-SF12-120K	12	24	32	120	93	47	10	M10x1	143,20 €	🇮🇹
405.70.16.1.K.HT	BT40-SF16-120K	16	27	34	120	93	50	10	M12x1	143,20 €	🇮🇹
405.70.20.1.K.HT	BT40-SF20-120K	20	33	42	120	93	52	10	M16x1	143,20 €	🇮🇹

Lunghezza 160mm e 200mm disponibile in 20 giorni 🇮🇹

Shrink Fit Chuck, 4.5°, Coolant AD/AF (AD/B)**Mandrino a calettare 4.5°, 2 fori di lub. ADAF**A ↗
≤0.003RPM
G2.5/25000

AD/B



Code	Size	d	D	D1	L	L2	L1	G	Euro	
406.70.03.K.HT	BT40 SFH03 090 FCC AD+B	3	15	20	80	53	-	-	217,20 €	●
406.70.04.K.HT	BT40 SFH04 090 FCC AD+B	4	15	20	80	53	-	-	211,30 €	●
406.70.06.K.HT	BT40 SFH06 090 FCC AD+B	6	21	27	90	63	36	M5	190,80 €	●
406.70.08.K.HT	BT40 SFH08 090 FCC AD+B	8	21	27	90	63	36	M6	190,80 €	●
406.70.10.K.HT	BT40 SFH10 090 FCC AD+B	10	24	32	90	63	42	M8x1	190,80 €	●
406.70.12.K.HT	BT40 SFH12 090 FCC AD+B	12	24	32	90	63	47	M10x1	190,80 €	●
406.70.16.K.HT	BT40 SFH16 090 FCC AD+B	16	27	34	90	63	50	M12x1	190,80 €	●
406.70.20.K.HT	BT40 SFH20 090 FCC AD+B	20	33	42	90	63	52	M16x1	190,80 €	●
406.70.03.1.K.HT	BT40 SFH03 120 FCC AD+B	3	15	20	120	53	-	-	243,80 €	●
406.70.04.1.K.HT	BT40 SFH04 120 FCC AD+B	4	15	20	120	53	-	-	239,30 €	●
406.70.06.1.K.HT	BT40 SFH06 120 FCC AD+B	6	21	27	120	93	36	M5	216,50 €	●
406.70.08.1.K.HT	BT40 SFH08 120 FCC AD+B	8	21	27	120	93	36	M6	216,50 €	●
406.70.10.1.K.HT	BT40 SFH10 120 FCC AD+B	10	24	32	120	93	42	M8x1	216,50 €	●
406.70.12.1.K.HT	BT40 SFH12 120 FCC AD+B	12	24	32	120	93	47	M10x1	216,50 €	●
406.70.16.1.K.HT	BT40 SFH16 120 FCC AD+B	16	27	34	120	93	50	M12x1	216,50 €	●
406.70.20.1.K.HT	BT40 SFH20 120 FCC AD+B	20	33	42	120	93	52	M16x1	216,50 €	●

Lunghezza 160mm e 200mm disponibile in 20 giorni ●

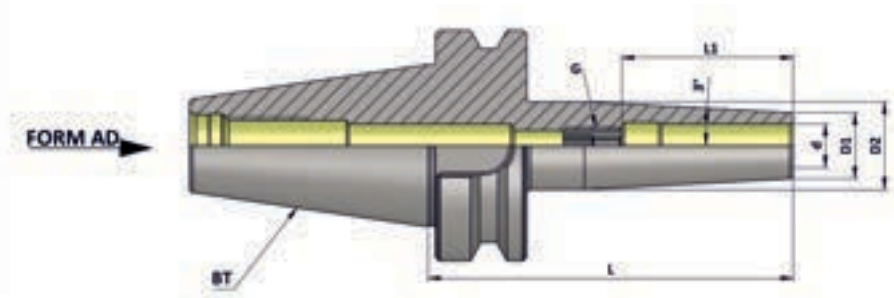
Shrink Fit Chuck, Slim, 3°,AD

Mandrino a Calettare SLIM 3°,AD

A ↗
≤0.003

RPM
G2.5/25000

AD

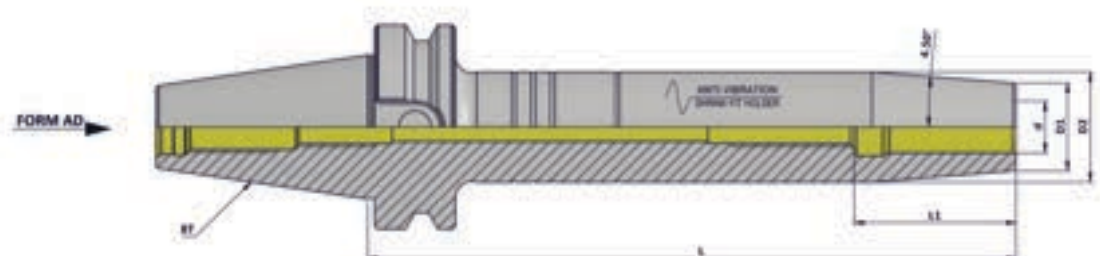


Code	Size	d	D1	D2	L	L1	G	Euro
405.72.03.HT	BT40-SFS03-90	3	9	15.3	90	-	-	129,20 €
405.72.04.HT	BT40-SFS04-90	4	10	16.3	90	-	-	100,10 €
405.72.06.HT	BT40-SFS06-90	6	12	18.3	90	36	M5	86,10 €
405.72.08.HT	BT40-SFS08-90	8	14	20.3	90	36	M6	86,10 €
405.72.10.HT	BT40-SFS10-90	10	16	22.3	90	42	M8x1	86,10 €
405.72.12.HT	BT40-SFS12-90	12	18	24.3	90	47	M10x1	86,10 €
405.72.16.HT	BT40-SFS16-90	16	22	28.3	90	50	M12x1	86,10 €
405.72.03.1.HT	BT40-SFS03-120	3	9	18.3	120	-	-	158,20 €
405.72.04.1.HT	BT40-SFS04-120	4	10	19.3	120	-	-	129,20 €
405.72.06.1.HT	BT40-SFS06-120	6	12	21.3	120	36	M5	115,20 €
405.72.08.1.HT	BT40-SFS08-120	8	14	23.3	120	36	M6	115,20 €
405.72.10.1.HT	BT40-SFS10-120	10	16	25.3	120	42	M8x1	115,20 €
405.72.12.1.HT	BT40-SFS12-120	12	18	27.3	120	47	M10x1	115,20 €
405.72.16.1.HT	BT40-SFS16-120	16	22	31.3	120	50	M12x1	115,20 €

Lunghezza 160mm e 200mm disponibile in 20 giorni

Shrink fit Holder Anti-vibration ,4,5° AD/AF**Mandrino a Calettare Anti-Vibrante ,4,5° AD/AF**A ↗
≤0.01

AD



Code	Size	d	D2	D1	L	L1	Euro
406.75.16.HT	SK40 SFH16 200 AD/AV	16	27	34	200	49	607,00 €
406.75.16.1.HT	SK40 SFH16 250 AD/AV	16	27	34	250	49	830,20 €
406.75.16.2.HT	SK40 SFH16 300 AD/AV	16	27	34	300	49	978,00 €
406.75.20.HT	SK40 SFH20 200 AD/AV	20	33	40	200	51	607,00 €
406.75.20.1.HT	SK40 SFH20 250 AD/AV	20	33	40	250	51	830,20 €
406.75.20.2.HT	SK40 SFH20 300 AD/AV	20	33	40	300	51	978,00 €
406.75.25.HT	SK40 SFH25 200 AD/AV	25	44	53	200	57	607,00 €
406.75.25.1.HT	SK40 SFH25 250 AD/AV	25	44	53	250	57	830,20 €
406.75.25.2.HT	SK40 SFH25 300 AD/AV	25	44	53	300	57	978,00 €
406.75.32.HT	SK40 SFH32 200 AD/AV	32	44	53	200	61	607,00 €
406.75.32.1.HT	SK40 SFH32 250 AD/AV	32	44	53	250	61	830,20 €
406.75.32.2.HT	SK40 SFH32 300 AD/AV	32	44	53	300	61	978,00 €



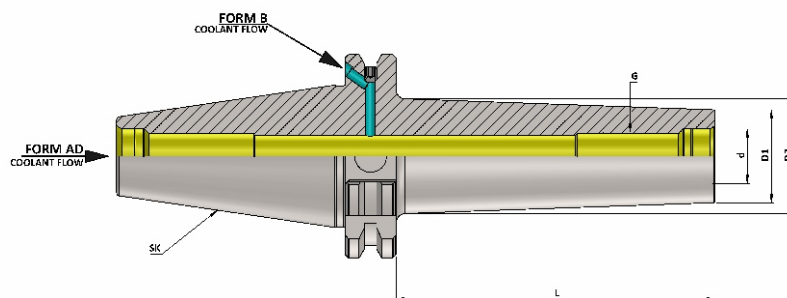
Milling Cutter Arbor AD/AF

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

A ↗
≤0.003

RPM
G2.5/25000

AD/B



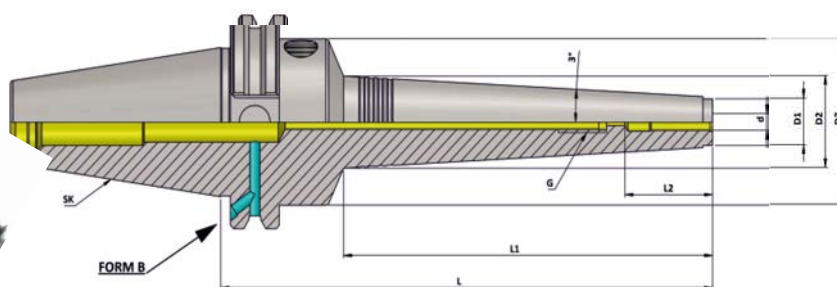
Code	Size	d	D1	D2	G	L	Euro
406.06.06.HT	BT40 MCA06 025 AD+B	6.5	10	13	M6	25	127,70 €
406.06.06.1.HT	BT40 MCA06 050 AD+B	6.5	10	20	M6	50	147,30 €
406.06.06.2.HT	BT40 MCA06 075 AD+B	6.5	10	23	M6	75	155,00 €
406.06.08.HT	BT40 MCA08 025 AD+B	8.5	13	15	M8	25	126,60 €
406.06.08.1.HT	BT40 MCA08 050 AD+B	8.5	13	23	M8	50	147,60 €
406.06.08.2.HT	BT40 MCA08 075 AD+B	8.5	13	23	M8	75	161,20 €
406.06.08.3.HT	BT40 MCA08 100 AD+B	8.5	13	25	M8	100	174,80 €
406.06.10.HT	BT40 MCA10 025 AD+B	10.5	18	20	M10	25	134,30 €
406.06.10.1.HT	BT40 MCA10 050 AD+B	10.5	18	23	M10	50	139,70 €
406.06.10.2.HT	BT40 MCA10 075 AD+B	10.5	18	28	M10	75	161,20 €
406.06.10.3.HT	BT40 MCA10 100 AD+B	10.5	18	32	M10	100	179,70 €
406.06.12.HT	BT40 MCA12 025 AD+B	12.5	21	24	M12	25	134,70 €
406.06.12.1.HT	BT40 MCA12 050 AD+B	12.5	21	24	M12	50	144,90 €
406.06.12.2.HT	BT40 MCA12 075 AD+B	12.5	21	31	M12	75	161,20 €
406.06.12.3.HT	BT40 MCA12 100 AD+B	12.5	21	33	M12	100	167,30 €
406.06.12.4.HT	BT40 MCA12 125 AD+B	12.5	21	36	M12	125	203,30 €
406.06.16.HT	BT40 MCA16 025 AD+B	17.0	29	29	M16	25	139,70 €
406.06.16.1.HT	BT40 MCA16 050 AD+B	17.0	29	34	M16	50	147,30 €
406.06.16.2.HT	BT40 MCA16 075 AD+B	17.0	29	34	M16	75	161,20 €
406.06.16.3.HT	BT40 MCA16 100 AD+B	17.0	29	36	M16	100	171,90 €
406.06.16.4.HT	BT40 MCA16 125 AD+B	17.0	29	40	M16	125	215,60 €
406.06.16.5.HT	BT40 MCA16 150 AD+B	17.0	29	42.5	M16	150	215,50 €

Hydraulic Expansion Chuck SLIM 3° AD/AF

Mandrino Idraulico SLIM 3° AD/AF

A ↗
≤0.003RPM
G2.5/25000

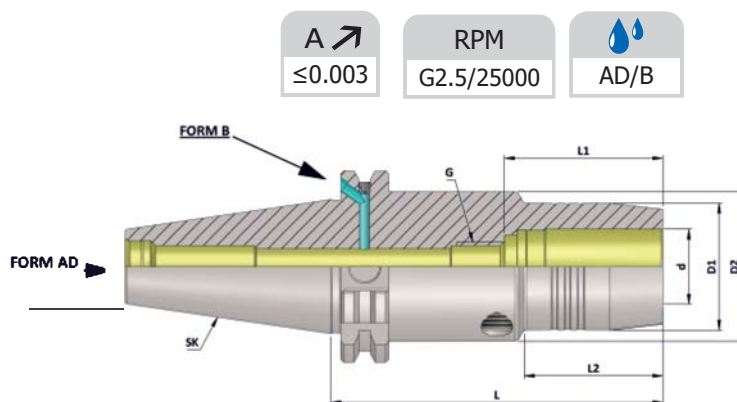
AD/F



Code	Description	d	D1	D2	D3	G	L	L1	L2	Euro
405.H03.075.SL.HT	BT40 H03 075 SLIM	3	11	14.0	46	-	75	28	28	526,00 €
405.H03.090.SL.HT	BT40 H03 090 SLIM	3	11	14.9	46	-	90	37	28	526,00 €
405.H03.135.SL.HT	BT 40 H03 135 SLIM	3	11	19.9	46	-	135	84	28	544,80 €
405.H04.075.SL.HT	BT40 H04 075 SLIM	4	11	14.0	46	-	75	28	28	526,00 €
405.H04.090.SL.HT	BT40 H04 090 SLIM	4	11	14.9	46	-	90	37	28	526,00 €
405.H04.135.SL.HT	BT40 H04 135 SLIM	4	11	19.9	46	-	135	84	28	544,80 €
405.H06.090.SL.HT	BT40 H06 090 SLIM	6	13	17.0	46	M5	90	38	37	469,70 €
405.H06.135.SL.HT	BT40 H06 135 SLIM	6	13	21.9	46	M5	135	84	37	488,30 €
405.H06.150.SL.HT	BT40 H06 150 SLIM	6	13	23.4	46	M5	150	99	37	537,20 €
405.H06.165.SL.HT	BT40 H06 165 SLIM	6	13	25.0	46	M5	165	114	37	610,50 €
405.H06.180.SL.HT	BT40 H06 180 SLIM	6	13	26.7	46	M5	180	130	37	676,30 €
405.H08.090.SL.HT	BT40 H08 090 SLIM	8	15	19.0	46	M6	90	38	37	469,70 €
405.H08.135.SL.HT	BT40 H08 135 SLIM	8	15	23.9	46	M6	135	84	37	488,30 €
405.H08.150.SL.HT	BT40 H08 150 SLIM	8	15	25.4	46	M6	150	99	37	537,20 €
405.H08.165.SL.HT	BT40 H08 165 SLIM	8	15	27.0	46	M6	165	114	37	610,50 €
405.H08.180.SL.HT	BT40 H08 180 SLIM	8	15	28.7	46	M6	180	130	37	676,30 €
405.H10.105.SL.HT	BT40 H10 105 SLIM	10	17	22.6	46	MS	105	53	41	469,70 €
405.H10.135.SL.HT	BT40 H10 135 SLIM	10	17	25.9	46	MS	135	84	41	488,30 €
405.H10.150.SL.HT	BT40 H10 150 SLIM	10	17	27.4	46	MS	150	99	41	537,20 €
405.H10.165.SL.HT	BT40 H10 165 SLIM	10	17	29.0	46	MS	165	114	41	610,50 €
405.H10.180.SL.HT	BT40 H10 180 SLIM	10	17	30.7	46	MS	180	130	41	676,30 €
405.H12.105.SL.HT	BT40 H12 105 SLIM	12	19	24.6	46	MS	105	53	46	469,70 €
405.H12.135.SL.HT	BT40 H12 135 SLIM	12	19	27.9	46	MS	135	84	46	488,30 €
405.H12.150.SL.HT	BT40 H12 150 SLIM	12	19	29.4	46	MS	150	99	46	537,20 €
405.H12.165.SL.HT	BT40 H12 165 SLIM	12	19	31.0	46	MS	165	114	46	610,50 €
405.H12.180.SL.HT	BT40 H12 180 SLIM	12	19	32.7	46	MS	180	130	46	676,30 €
405.H16.135.SL.HT	BT40 H16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	488,30 €
405.H16.165.SL.HT	BT40 H16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	610,50 €
405.H16.180.SL.HT	BT40 H16 180 SLIM	16	23	36.6	52.5	M12	180	129	49	676,30 €
405.H20.135.SL.HT	BT40 H20 135 SLIM	20	28	36.9	60	M16	135	84	51	488,30 €
405.H20.165.SL.HT	BT40 H20 165 SLIM	20	28	40.0	60	M16	165	114	51	610,50 €
405.H20.180.SL.HT	BT40 H20 180 SLIM	20	28	41.6	60	M16	180	129	51	676,30 €

Hydraulic Expansion Chuck AD/AF

Mandrino Idraulico AD/AF



Code	Description	d	D1	D2	G	L	L1	L2	Euro
405.H06.090.HT	BT40 HC06 090	6	26	49.5	M5	80.5	37	29.5	293,40 €
405.H06.140.HT	BT40 HC06 140	6	26	49.5	M5	110	37	29	506,60 €
405.H08.090.HT	BT40 HC08 090	8	28	49.5	M6	80.5	37	30	287,40 €
405.H08.140.HT	BT40 HC08 140	8	28	49.5	M6	110	37	30	506,60 €
405.H10.090.HT	BT40 HC10 090	10	30	49.5	MB	80.5	41	35	287,40 €
405.H10.140.HT	BT40 HC10 140	10	30	49.5	MB	110	41	35	506,60 €
405.H12.090.HT	BT40 HC12 090	12	32	49.5	M10	80.5	46	40	287,40 €
405.H12.140.HT	BT40 HC12 140	12	32	49.5	M10	110	46	40	506,60 €
405.H14.090.HT	BT40 HC14 090	14	34	49.5	M10	80.5	46	40	287,40 €
405.H14.140.HT	BT40 HC14 140	14	34	49.5	M10	110	46	40	506,60 €
405.H16.090.HT	BT40 HC16 090	16	38	49.5	M12	80.5	49	45	287,40 €
405.H16.140.HT	BT40 HC16 140	16	38	49.5	M12	110	49	45	506,60 €
405.H18.090.HT	BT40 HC18 090	18	40	49.5	M12	80.5	49	46	287,40 €
405.H18.140.HT	BT40 HC18 140	18	40	49.5	M12	110	49	46	506,60 €
405.H20.090.HT	BT40 HC20 090	20	42	49.5	M16	80.5	51	47	287,40 €
405.H20.140.HT	BT40 HC20 140	20	42	49.5	M16	110	51	47	506,60 €
405.H25.090.HT	BT40 HC25 090	25	55	63	M16	95	57	28	287,40 €
405.H25.140.HT	BT40 HC25 140	25	55	63	M16	110	57	28	506,60 €
405.H32.090.HT	BT40 HC32 090	32	63	70	M16	95	61	25.5	287,40 €

Hydraulic Collet Set

Set Mandrino idraulico con riduzioni



Code	Hydraulic chuck	Hydraulic Collet	Collet Quantity	key Size	Euro
40.H20.SRD	BT40-HY20-90	HY20-6.8.10.12.16	5pcs	5L	518.00 €

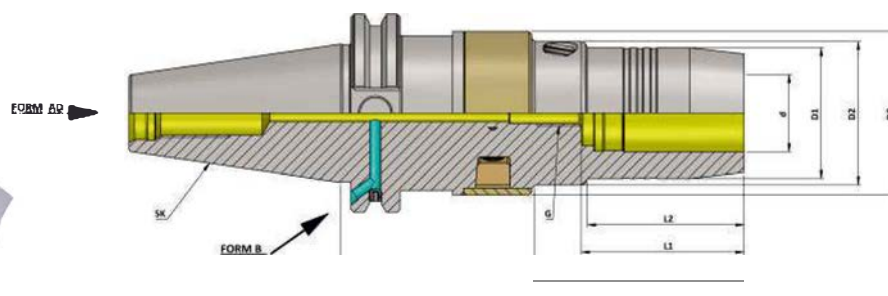
Hydraulic Expansion Chuck with "Run Out" adjustment

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
405.H20.RA.HT	BT40 HC20 120	20	42	46	52.5	MB	130	51	50	67.5	713,80 €
405.H32.RA.HT	BT40 HC32 140	32	42	46	52.5	MB	150	51	50	67.5	845,30 €
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 Heavy Duty power AD/AF

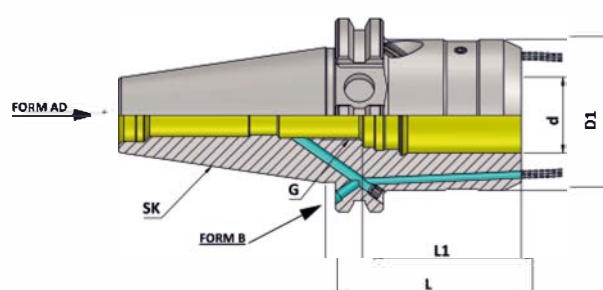
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD/AF

A ↗
≤0.003

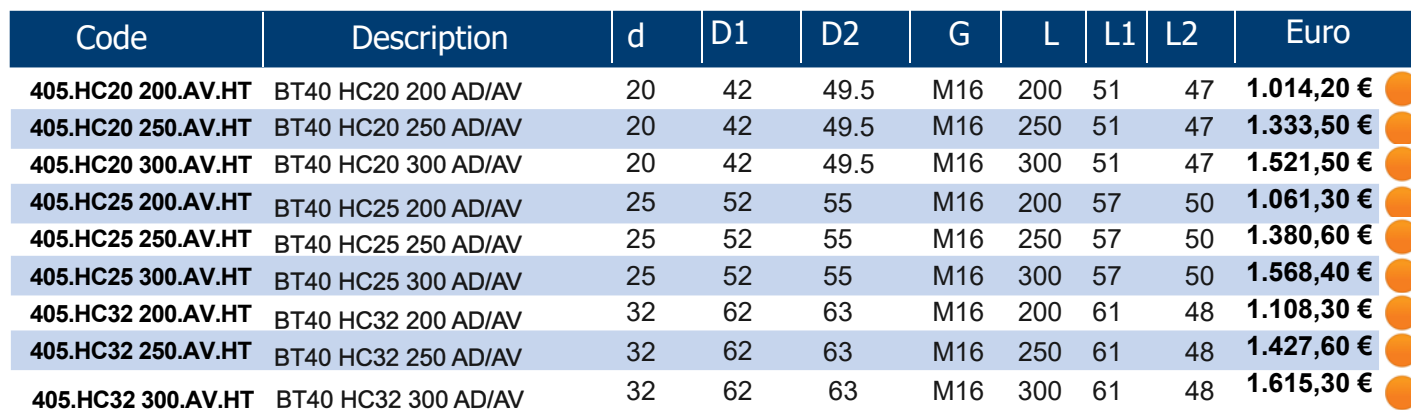
RPM
G2.5/25000

AD/B



Code	Description	ISO	d	D1	G	L	L1	Euro
305.H12.HD.HT	BT30 HC12S 069 FCC	30	12	42	M10	69	40	220,90 €
305.H20.HD.HT	BT30 HC20S 090 FCC	30	20	50	M16	90	42	220,90 €
405.H12.HD.HT	BT40 HC12S 058 FCC	40	12	42	M10	58	40	255,40 €
405.H20.HD.HT	BT40 HC20S 72.5 FCC	40	20	50	M16	72.5	42	255,40 €
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 €

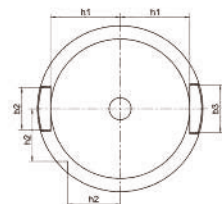
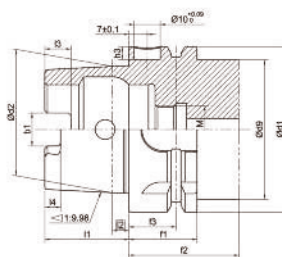
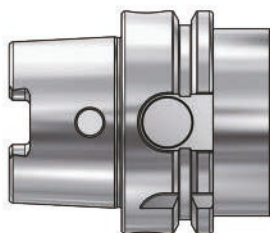
A ↗
≤0.010



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

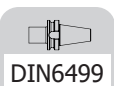
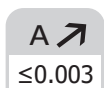
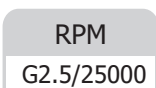
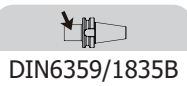
Taper tolerance/Tolleranza conica: AT3

Hardness/Durezza: HRC 56-60

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

Surface Roughness/Rugosità superficiale: Ra 0,2 m

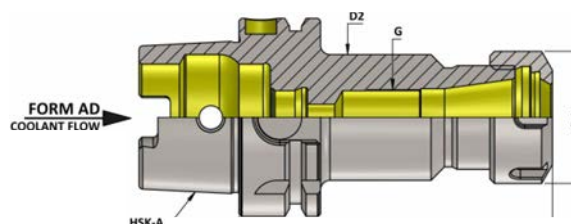
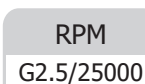
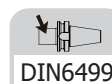
Balancing/Bilanciatura: G6.3/15000; G2.5/25000

Socket type according to DIN6499
tipologia di presa secondo DIN6499Run Out less than 0.003
Run Out inferiore a 0.003Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 GiriSocket type according to DIN6359
tipologia di presa secondo DIN6359

Disponibile magazzino Italia
 Disponibile in 48 ore
 Disponibile in 5giorni
 Disponibile in 20giorni

ER Collet Chuck

Mandrino ER

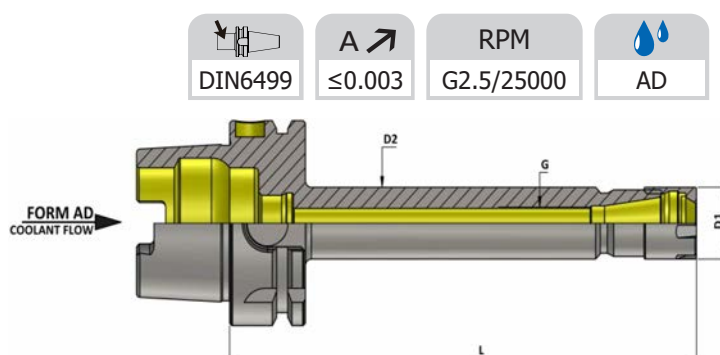


Code	Size	D1	D2	L1	Capacity	Euro	
A63.02.16.HT	HSK-A 63 ER 25 75	42	40	75	1.0-16	94,00 €	
A63.02.20.HT	HSK-A 63 ER 32 75	50	48	75	2.0-20	94,00 €	
A63.02.10.0.HT	HSK-A 63 ER 16 100	32	28	100	0.5-10	100,30 €	
A63.02.16.0.HT	HSK-A 63 ER 25 100	42	40	100	1.0-16	101,90 €	
A63.02.20.0.HT	HSK-A 63 ER 32 100	50	48	100	2.0-20	105,00 €	
A63.02.26.0.HT	HSK-A 63 ER 40 120	63	-	120	3.0-26	144,90 €	
A63.02.10.1.HT	HSK-A 63 ER 16 160	32	28	160	0.5-10	175,90 €	
A63.02.16.1.HT	HSK-A 63 ER 25 160	42	40	160	1.0-16	171,60 €	
A63.02.20.1.HT	HSK-A 63 ER 32 160	50	48	160	2.0-20	175,90 €	
A63.02.26.1.HT	HSK-A 63 ER 40 160	63	-	160	3.0-26	181,70 €	

HSK100 disponibili in 20 giorni

ER MINI Collet Chuck

Mandrino MINI ER

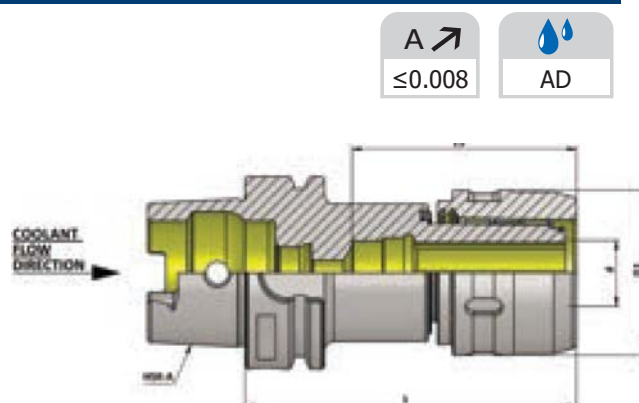


Code	Size	D1	D2	L1	Capacity	Euro
A63.02.07.1.HT	HSK63A-ER11M-100	16	16	100	1-7	146,70 € 
A63.02.07.10.1.HT	HSK63A-ER16M-100	22	22	100	1-10	146,70 € 
A63.02.07.2.HT	HSK63A-ER11M-160T	16	16	160	1-7	167,40 € 
A63.02.07.10.2.HT	HSK63A-ER16M-160T	22	22	160	1-10	167,40 € 

HSK100 disponibili in 20 giorni 

Power Milling Chuck

Mandrino Forte Serraggio

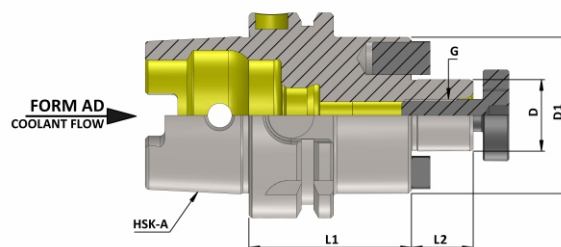
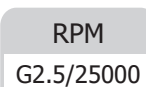
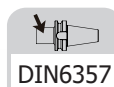


Code	Size	d	D	L	Capacity	Euro
A63.64.20.S.HT	HSK63A-HC20-100	20	50	100	3-16; 20	290,70 € 
A63.64.25.S.HT	HSK63A-HC25-100	25	59	100	3-20; 25	295,00 € 
A63.64.32.S.HT	HSK63A-HC32-120	32	72	120	3-25; 32	299,30 € 

HSK100 disponibili in 20 giorni 

Face Mill Holder

Mandrino porta frese a trascinamento

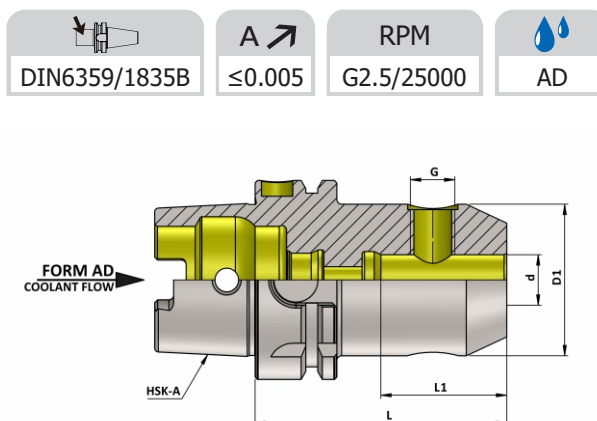


Code	Size	d	D1	L1	L2	G	Euro
A63.11.16.HT	HSK-A 63 FMH16 045	16	38	45	17	M8 X 1.25P	167,80 €
A63.11.22.HT	HSK-A 63 FMH22 050	22	48	50	19	M10 X 1.5P	167,80 €
A63.11.27.HT	HSK-A 63 FMH27 055	27	58	55	21	M12 X 1.75P	180,50 €
A63.11.32.HT	HSK-A 63 FMH32 060	32	78	60	24	M16 X 2P	186,30 €
A63.11.16.1.HT	HSK-A 63 FMH16 100	16	38	100	17	M8 X 1.25P	199,10 €
A63.11.22.1.HT	HSK-A 63 FMH22 100	22	48	100	19	M10 X 1.5P	199,10 €
A63.11.27.1.HT	HSK-A 63 FMH27 100	27	58	100	21	M12 X 1.75P	212,00 €
A63.11.32.1.HT	HSK-A 63 FMH32 100	32	78	100	24	M16 X 2P	219,20 €

HSK100 disponibili in 20 giorni

End Mill Holder Weldon

Mandrino Weldon

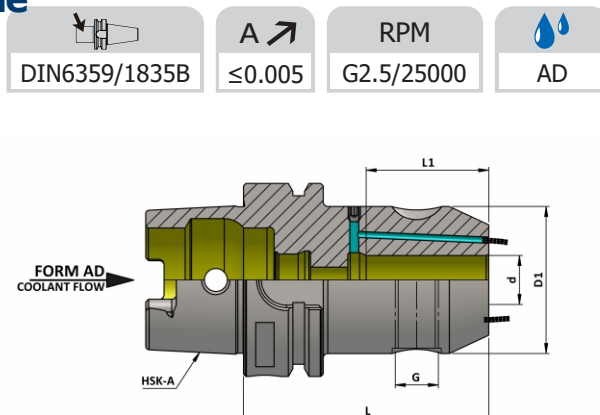


Code	Size	d	D1	L	L1	G	Screw Q.ty	Euro	
A63.04.06.HT	HSK-A 63 WE06 065	6	25	65	34	M6	1	133,50 €	●
A63.04.08.HT	HSK-A 63 WE08 065	8	28	65	34	M8	1	133,50 €	●
A63.04.10.HT	HSK-A 63 WE10 065	10	35	65	40	M10	1	133,50 €	●
A63.04.12.HT	HSK-A 63 WE12 080	12	42	80	46	M12	1	133,50 €	●
A63.04.16.HT	HSK-A 63 WE16 080	16	48	80	48	M14	1	133,50 €	●
A63.04.20.HT	HSK-A 63 WE20 080	20	52	80	52	M16	1	133,50 €	●
A63.04.25.HT	HSK-A 63 WE25 110	25	65	110	56	M18X2	2	147,00 €	●
A63.04.32.HT	HSK-A 63 WE32 110	32	72	110	60	M20X2	2	154,80 €	●
A63.04.40.HT	HSK-A 63 WE40 125	40	80	125	70	M20X2	2	177,70 €	●
A63.04.06.1.HT	HSK-A 63 WE06 100	6	25	100	34	M6	1	157,00 €	●
A63.04.08.1.HT	HSK-A 63 WE08 100	8	28	100	34	M8	1	157,00 €	●
A63.04.10.1.HT	HSK-A 63 WE10 100	10	35	100	40	M10	1	157,00 €	●
A63.04.12.1.HT	HSK-A 63 WE12 100	12	42	100	46	M12	1	155,70 €	●
A63.04.16.1.HT	HSK-A 63 WE16 100	16	48	100	48	M14	1	155,70 €	●
A63.04.20.1.HT	HSK-A 63 WE20 100	20	52	100	52	M16	1	155,70 €	●
A63.04.25.1.HT	HSK-A 63 WE25 160	25	65	160	56	M18X2	2	224,00 €	●
A63.04.32.1.HT	HSK-A 63 WE32 160	32	72	160	60	M20X2	2	224,00 €	●

HSK100 disponibili in 20 giorni ●

End Mill Holder Weldon Coolant Channels

Mandrino Weldon con lub. frontale

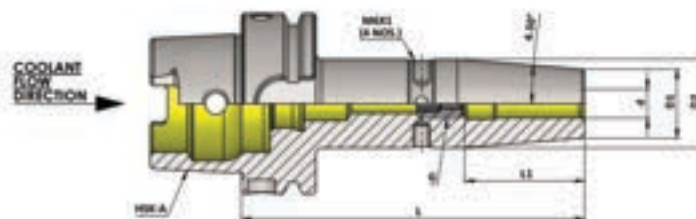


Code	Size	d	D1	G	L	L1	Screw Q.ty	Euro	
A63.04.06.K.HT	HSK-A 63 WE06 065 K	6	25	M6	50	34	1	148,40 €	●
A63.04.08.K.HT	HSK-A 63 WE08 065 K	8	28	M8	50	34	1	148,40 €	●
A63.04.10.K.HT	HSK-A 63 WE10 065 K	10	35	M10	50	40	1	148,40 €	●
A63.04.12.K.HT	HSK-A 63 WE12 080 K	12	42	M12	50	46	1	148,40 €	●
A63.04.16.K.HT	HSK-A 63 WE16 080 K	16	48	M14	63	48	1	148,40 €	●
A63.04.20.K.HT	HSK-A 63 WE20 080 K	20	52	M16	63	52	1	148,40 €	●
A63.04.06.1.K.HT	HSK-A 63 WE06 100 K	6	25	M6	100	34	1	178,80 €	●
A63.04.08.1.K.HT	HSK-A 63 WE08 100 K	8	28	M8	100	34	1	178,80 €	●
A63.04.10.1.K.HT	HSK-A 63 WE10 100 K	10	35	M10	100	40	1	178,80 €	●
A63.04.12.1.K.HT	HSK-A 63 WE12 100 K	12	42	M12	100	46	1	178,80 €	●
A63.04.16.1.K.HT	HSK-A 63 WE16 100 K	16	48	M14	100	48	1	178,80 €	●
A63.04.20.1.K.HT	HSK-A 63 WE20 100 K	20	52	M16	100	52	1	178,80 €	●
A63.04.06.3.K.HT	HSK-A 63 WE06 160 K	6	25	M6	160	34	1	226,40 €	◐
A63.04.08.3.K.HT	HSK-A 63 WE08 160 K	8	28	M8	160	34	1	226,40 €	◐
A63.04.10.3.K.HT	HSK-A 63 WE10 160 K	10	35	M10	160	40	1	226,40 €	◐
A63.04.12.3.K.HT	HSK-A 63 WE12 160 K	12	42	M12	160	34	1	226,40 €	◐
A63.04.16.3.K.HT	HSK-A 63 WE16 160 K	16	48	M14	160	46	1	226,40 €	◐
A63.04.20.3.K.HT	HSK-A 63 WE20 160 K	20	52	M16	160	52	1	226,40 €	◐

HSK100 disponibili in 20 giorni ◐

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

AD



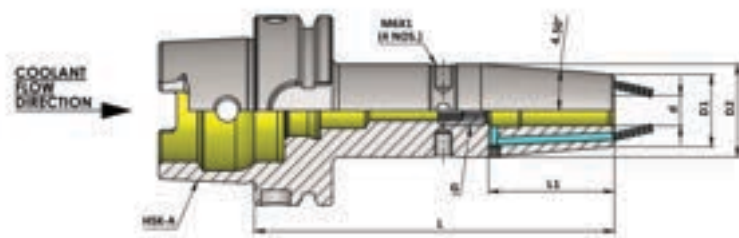
Code	Size	d	D	D1	L	L1	G	Euro	
A63.70.03.HT	HSK63A-SF03-80	3	15	20	80	-	-	201,30 €	
A63.70.04.HT	HSK63A-SF04-80	4	15	20	80	-	-	172,20 €	
A63.70.06..HT	HSK63A-SF06-80	6	21	26.5	80	36	M5	143,20 €	
A63.70.08.HT	HSK63A-SF08-80	8	21	26.5	80	36	M6	143,20 €	
A63.70.10.HT	HSK63A-SF10-85	10	24	30.5	85	42	M8x1	143,20 €	
A63.70.12.HT	HSK63A-SF12-90	12	24	31	90	47	M10x1	143,20 €	
A63.70.16.HT	HSK63A-SF16-95	16	27	34	95	50	M12x1	143,20 €	
A63.70.20.HT	HSK63A-SF20-100	20	33	42	100	52	M16x1	143,20 €	
A63.70.03.1.HT	HSK63A-SF03-120	3	15	20	120	-	-	229,30 €	
A63.70.04.1.HT	HSK63A-SF04-120	4	15	20	120	-	-	201,30 €	
A63.70.06.1.HT	HSK63A-SF06-120	6	21	27	120	36	M5	172,20 €	
A63.70.08.1.HT	HSK63A-SF08-120	8	21	27	120	36	M6	172,20 €	
A63.70.10.1.HT	HSK63A-SF10-120	10	24	32	120	42	M8x1	172,20 €	
A63.70.12.1.HT	HSK63A-SF12-120	12	24	32	120	47	M10x1	172,20 €	
A63.70.16.1.HT	HSK63A-SF16-120	16	27	34	120	50	M12x1	172,20 €	
A63.70.20.1.HT	HSK63A-SF20-120	20	33	42	120	52	M16x1	172,20 €	

Lunghezza 160mm isponibile in 5 giorni
 Lunghezza 200mm disponibile in 20 giorni
 HSK100 disponibili in 20 giorni



Shrink Fit Chuck, 4.5°, Coolant**Mandrino a Calettare 4,5°, 2 fori di lub .AD**A ↗
≤0.003RPM
G2.5/25000

AD



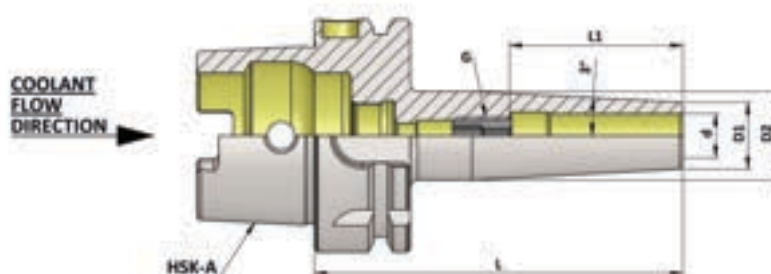
Code	Size	d	D	D1	L	L1	N	G	Euro	
A63.70.03.K.HT	HSK63A-SF03-80K	3	15	20	80	-	-	-	229,30 €	●
A63.70.04.K.HT	HSK63A-SF04-80K	4	15	20	80	-	-	-	201,30 €	●
A63.70.06.K.HT	HSK63A-SF06-80K	6	21	26.5	80	36	10	M5	172,20 €	●
A63.70.08.K.HT	HSK63A-SF08-80K	8	21	26.5	80	36	10	M6	172,20 €	●
A63.70.10.K.HT	HSK63A-SF10-85K	10	24	30.5	85	42	10	M8x1	172,20 €	●
A63.70.12.K.HT	HSK63A-SF12-90K	12	24	31	90	47	10	M10x1	172,20 €	●
A63.70.16.K.HT	HSK63A-SF16-95K	16	27	34	95	50	10	M12x1	172,20 €	●
A63.70.20.K.HT	HSK63A-SF20-100K	20	33	42	100	52	10	M16x1	172,20 €	●
A63.70.03.1.K.HT	HSK63A-SF03-120K	3	15	20	120	-	-	-	258,30 €	●
A63.70.04.1.K.HT	HSK63A-SF04-120K	4	15	20	120	-	-	-	229,30 €	●
A63.70.06.1.K.HT	HSK63A-SF06-120K	6	21	27	120	36	10	M5	201,30 €	●
A63.70.08.1.K.HT	HSK63A-SF08-120K	8	21	27	120	36	10	M6	201,30 €	●
A63.70.10.1.K.HT	HSK63A-SF10-120K	10	24	32	120	42	10	M8x1	201,30 €	●
A63.70.12.1.K.HT	HSK63A-SF12-120K	12	24	32	120	47	10	M10x1	201,30 €	●
A63.70.16.1.K.HT	HSK63A-SF16-120K	16	27	34	120	50	10	M12x1	201,30 €	●
A63.70.20.1.K.HT	HSK63A-SF20-120K	20	33	42	120	52	10	M16x1	201,30 €	●

Lunghezza 160mm e 200mm disponibile 20 giorni
 HSK100 disponibili in 20 giorni



Shrink Fit Chuck, Slim, 3°**Mandrino a calettare, SLIM, 3°**A ↗
≤0.003RPM
G2.5/25000

AD



Code	Size	d	D	D1	L	L1	G	Euro	
A63.72.03.HT	HSK63A-SFS03-80	3	9	14	80	-	-	143,20 €	●
A63.72.04.HT	HSK63A-SFS04-80	4	10	15.4	80	-	-	143,20 €	●
A63.72.06.HT	HSK63A-SFS06-80	6	12	17.4	80	36	M5	143,20 €	●
A63.72.08.HT	HSK63A-SFS08-80	8	14	19.4	80	36	M6	143,20 €	●
A63.72.10.HT	HSK63A-SFS10-85	10	16	21.8	85	42	M8x1	143,20 €	●
A63.72.12.HT	HSK63A-SFS12-90	12	18	24.4	90	47	M10x1	143,20 €	●
A63.72.16.HT	HSK63A-SFS16-95	16	22	28.7	95	50	M12x1	143,20 €	●
A63.72.03.1.HT	HSK63A-SFS03-120	3	9	18.4	120	-	-	229,30 €	●
A63.72.04.1.HT	HSK63A-SFS04-120	4	10	19.4	120	-	-	201,30 €	●
A63.72.06.1.HT	HSK63A-SFS06-120	6	12	21.4	120	36	M5	172,20 €	●
A63.72.08.1.HT	HSK63A-SFS08-120	8	14	23.4	120	36	M6	172,20 €	●
A63.72.10.1.HT	HSK63A-SFS10-120	10	16	25.4	120	42	M8x1	172,20 €	●
A63.72.12.1.HT	HSK63A-SFS12-120	12	18	27.4	120	47	M10x1	172,20 €	●
A63.72.16.1.HT	HSK63A-SFS16-120	16	22	31.4	120	50	M12x1	172,20 €	●

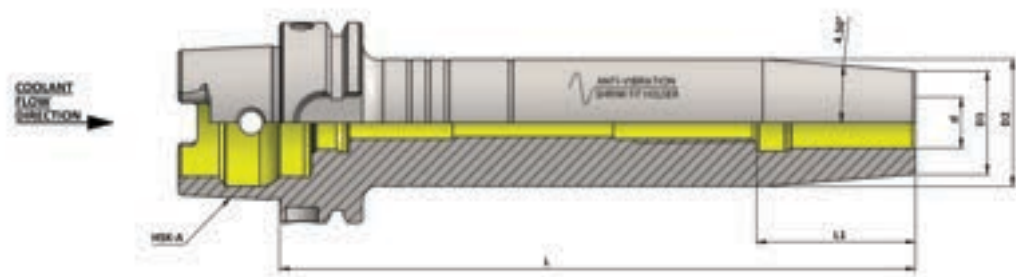
HSK1000 disponibili in 20 giorni ●

Shrink fitHolder Anti-vibration AD

Mandrino a Calettare Anti-Vibrante ,4,5° AD

A ↗
≤0.010

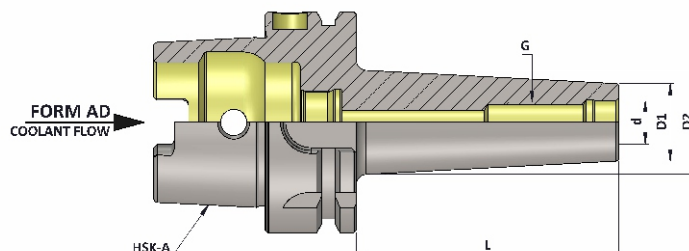
AD



Code	Size	d	D2	D1	L	L1	Euro
A63.75.16.HT	HSK-A 63 SFH16 200 AV	16	27	34	200	49	733,50 €
A63.75.16.1.HT	HSK-A 63 SFH16 250 AV	16	27	34	250	49	973,70 €
A63.75.16.2.HT	HSK-A 63 SFH16 300 AV	16	27	34	300	49	1.098,20 €
A63.75.20.HT	HSK-A 63 SFH20 200 AV	20	33	40	200	51	733,50 €
A63.75.20.1.HT	HSK-A 63 SFH20 250 AV	20	33	40	250	51	973,70 €
A63.75.20.2.HT	HSK-A 63 SFH20 300 AV	20	33	40	300	51	1.098,20 €
A63.75.25.HT	HSK-A 63 SFH25 200 AV	25	44	53	200	57	733,50 €
A63.75.25.1.HT	HSK-A 63 SFH25 250 AV	25	44	53	250	57	973,70 €
A63.75.25.2.HT	HSK-A 63 SFH25 300 AV	25	44	53	300	57	1.098,20 €
A63.75.32.HT	HSK-A 63 SFH32 200 AV	32	44	53	200	61	733,50 €
A63.75.32.1.HT	HSK-A 63 SFH32 250 AV	32	44	53	250	61	973,70 €
A63.75.32.2.HT	HSK-A 63 SFH32 300 AV	32	44	53	300	61	1.098,20 €

Milling Cutter Arbor AD

Mandrino per testine fill. AD



A ↗
≤0.005

RPM
G2.5/25000

AD

Code	Size	d	D1	D2	G	L	Euro	
A63.06.06.HT	HSK-A 63 MCA06 025	6.5	10	13	M6	25	219,80 €	●
A63.06.08.HT	HSK-A 63 MCA08 025	8.5	13	15	M8	25	219,80 €	●
A63.06.08.1.HT	HSK-A 63 MCA08 050	8.5	13	23	M8	50	241,80 €	●
A63.06.08.2.HT	HSK-A 63 MCA08 075	8.5	13	23	M8	75	264,70 €	●
A63.06.08.3.HT	HSK-A 63 MCA08 100	8.5	13	25	M8	100	264,70 €	●
A63.06.10.HT	HSK-A 63 MCA10 025	10.5	18	20	M10	25	229,80 €	●
A63.06.10.1.HT	HSK-A 63 MCA10 050	10.5	18	23	M10	50	247,20 €	●
A63.06.10.2.HT	HSK-A 63 MCA10 075	10.5	18	28	M10	75	251,80 €	●
A63.06.10.3.HT	HSK-A 63 MCA10 100	10.5	18	32	M10	100	300,50 €	●
A63.06.12.HT	HSK-A 63 MCA12 025	12.5	21	24	M12	25	358,20 €	●
A63.06.12.1.HT	HSK-A 63 MCA12 050	12.5	21	24	M12	50	229,80 €	●
A63.06.12.2.HT	HSK-A 63 MCA12 075	12.5	21	31	M12	75	251,80 €	●
A63.06.12.3.HT	HSK-A 63 MCA12 100	12.5	21	33	M12	100	271,90 €	●
A63.06.12.4.HT	HSK-A 63 MCA12 150	12.5	21	36	M12	125	300,50 €	●
A63.06.16.HT	HSK-A 63 MCA16 025	17.0	29	29	M16	25	358,20 €	●
A63.06.16.1.HT	HSK-A 63 MCA16 050	17.0	29	34	M16	50	229,80 €	●
A63.06.16.2.HT	HSK-A 63 MCA16 075	17.0	29	34	M16	75	251,80 €	●
A63.06.16.3.HT	HSK-A 63 MCA16 100	17.0	29	36	M16	100	271,90 €	●
A63.06.16.4.HT	HSK-A 63 MCA16 150	17.0	29	40	M16	125	300,50 €	●
A63.06.16.5.HT	HSK-A 63 MCA16 150	17.0	29	42.5	M16	150	358,20 €	●

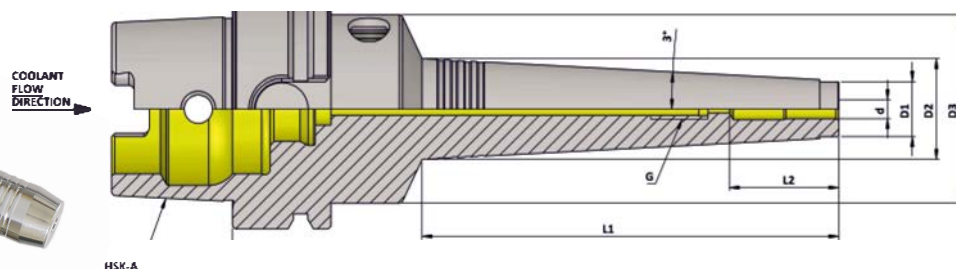
Hydraulic Expansion Chuck SLIM 3° AD/AF

Mandrino Idraulico SLIM 3° AD/AF

A ↗
≤0.003

RPM
G2.5/25000


AD



Tool Holder DIN 69893

Code	Description	d	D1	D2	D3	G	L	L1	L2	Euro
A63.H03.080.SL.HT	A 63 HC03 080 SLIM	3	11	14.0	46	-	80	28	28	573,00 €
A63.H03.090.SL.HT	A 63 HC03 090 SLIM	3	11	14.9	46	-	90	37	28	573,00 €
A63.H03.135.SL.HT	A 63 HC03 135 SLIM	3	11	19.9	46	-	135	84	28	591,60 €
A63.H04.080.SL.HT	A 63 HC04 080 SLIM	4	11	14.0	46	-	80	28	28	573,00 €
A63.H04.090.SL.HT	A 63 HC04 090 SLIM	4	11	14.9	46	-	90	37	28	573,00 €
A63.H04.135.SL.HT	A 63 HC04 135 SLIM	4	11	19.9	46	-	135	84	28	591,60 €
A63.H06.090.SL.HT	A 63 HC06 090 SLIM	6	13	17.0	46	M5	90	38	37	516,60 €
A63.H06.135.SL.HT	A 63 HC06 135 SLIM	6	13	21.9	46	M5	135	84	37	535,30 €
A63.H06.150.SL.HT	A 63 HC06 150 SLIM	6	13	23.4	46	M5	150	99	37	584,10 €
A63.H06.165.SL.HT	A 63 HC06 165 SLIM	6	13	25.0	46	M5	165	114	37	657,40 €
A63.H06.180.SL.HT	A 63 HC06 180 SLIM	6	13	26.7	46	M5	180	130	37	723,30 €
A63.H08.090.SL.HT	A 63 HC08 090 SLIM	8	15	19.0	46	M6	90	38	37	516,60 €
A63.H08.135.SL.HT	A 63 HC08 135 SLIM	8	15	23.9	46	M6	135	84	37	535,30 €
A63.H08.150.SL.HT	A 63 HC08 150 SLIM	8	15	25.4	46	M6	150	99	37	584,10 €
A63.H08.165.SL.HT	A 63 HC08 165 SLIM	8	15	27.0	46	M6	165	114	37	657,40 €
A63.H08.180.SL.HT	A 63 HC08 180 SLIM	8	15	28.7	46	M6	180	130	37	723,30 €
A63.H10.105.SL.HT	A 63 HC10 105 SLIM	10	17	22.6	46	M8	105	53	41	516,60 €
A63.H10.135.SL.HT	A 63 HC10 135 SLIM	10	17	25.9	46	M8	135	84	41	535,30 €
A63.H10.150.SL.HT	A 63 HC10 150 SLIM	10	17	27.4	46	M8	150	99	41	584,10 €
A63.H10.165.SL.HT	A 63 HC10 165 SLIM	10	17	29.0	46	M8	165	114	41	657,40 €
A63.H10.180.SL.HT	A 63 HC10 180 SLIM	10	17	30.7	46	M8	180	130	41	723,30 €
A63.H12.105.SL.HT	A 63 HC12 105 SLIM	12	19	24.6	46	M10	105	53	46	516,60 €
A63.H12.135.SL.HT	A 63 HC12 135 SLIM	12	19	27.9	46	M10	135	84	46	535,30 €
A63.H12.150.SL.HT	A 63 HC12 150 SLIM	12	19	29.4	46	M10	150	99	46	584,10 €
A63.H12.165.SL.HT	A 63 HC12 165 SLIM	12	19	31.0	46	M10	165	114	46	657,40 €
A63.H12.180.SL.HT	A 63 HC12 180 SLIM	12	19	32.7	46	M10	180	130	46	723,30 €
A63.H16.135.SL.HT	A 63 HC16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	535,30 €
A63.H16.165.SL.HT	A 63 HC16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	657,40 €
A63.H16.180.SL.HT	A 63 HC16 180 SLIM	16	23	36.6	52.5	M12	180	130	49	723,30 €
A63.H20.150.SL.HT	A 63 HC20 150 SLIM	20	28	36.9	60	M16	150	84	51	535,30 €
A63.H20.180.SL.HT	A 63 HC20 180 SLIM	20	28	40.0	60	M16	180	114	51	657,40 €
A63.H20.195.SL.HT	A 63 HC20 195 SLIM	20	28	41.6	60	M16	195	130	51	723,30 €

Hydraulic Expansion Chuck AD

Mandrino Idraulico AD

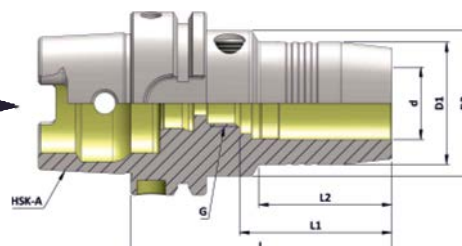
A ↗
≤0.003

RPM
G2.5/25000

AD



COOLANT
FLOW
DIRECTION



Code	Description	d	D1	D2	G	L	L1	L2	Euro
A63.H06.70.HT	HSK-A 63 HC06 070	6	26	50	M5	70	37	24	317,80 €
A63.H06.120.HT	HSK-A 63 HC06 120	6	26	50	M5	120	37	73	468,90 €
A63.H06.150.HT	HSK-A 63 HC06 150	6	26	50	M5	150	37	103	544,50 €
A63.H06.200.HT	HSK-A 63 HC06 200	6	26	50	M5	200	37	153	589,90 €
A63.H08.70.HT	HSK-A 63 HC08 070	8	28	50	M6	70	37	25	317,80 €
A63.H08.120.HT	HSK-A 63 HC08 120	8	28	50	M6	120	37	74	468,90 €
A63.H08.150.HT	HSK-A 63 HC08 150	8	28	50	M6	150	37	104	544,50 €
A63.H08.200.HT	HSK-A 63 HC08 200	8	28	50	M6	200	37	154	589,90 €
A63.H10.80.HT	HSK-A 63 HC10 080	10	30	50	M8	80	41	35	317,80 €
A63.H10.120.HT	HSK-A 63 HC10 120	10	30	50	M8	120	41	74	468,90 €
A63.H10.150.HT	HSK-A 63 HC10 150	10	30	50	M8	150	41	104	544,50 €
A63.H10.200.HT	HSK-A 63 HC10 200	10	30	50	M8	200	41	154	589,90 €
A63.H12.85.HT	HSK-A 63 HC12 085	12	32	50	M10	85	46	40	317,80 €
A63.H12.120.HT	HSK-A 63 HC12 120	12	32	50	M10	120	46	75	468,90 €
A63.H12.150.HT	HSK-A 63 HC12 150	12	32	50	M10	150	46	105	544,50 €
A63.H12.200.HT	HSK-A 63 HC12 200	12	32	50	M10	200	46	155	589,90 €
A63.H16.90.HT	HSK-A 63 HC16 090	16	38	50	M12	90	49	46	317,80 €
A63.H16.120.HT	HSK-A 63 HC16 120	16	38	50	M12	120	49	76	468,90 €
A63.H16.150.HT	HSK-A 63 HC16 150	16	38	50	M12	150	49	106	544,50 €
A63.H16.200.HT	HSK-A 63 HC16 200	16	38	50	M12	200	49	156	589,90 €
A63.H20.90.HT	HSK-A 63 HC20 090	20	42	50	M16	90	51	48	317,80 €
A63.H20.120.HT	HSK-A 63 HC20 120	20	42	50	M16	120	51	78	468,90 €
A63.H20.150.HT	HSK-A 63 HC20 150	20	42	50	M16	150	51	108	544,50 €
A63.H20.200.HT	HSK-A 63 HC20 200	20	42	50	M16	200	51	158	589,90 €
A63.H25.120.HT	HSK-A 63 HC25 120	25	57	50	M16	120	57	61	429,40 €

Hydraulic Collet Set

Set Mandrino Idraulico con Riduzioni



Code	Hydraulic chuck	Hydraulic Collet	Collet Quantity	key Size	Euro
A63.H20SRD	HSK63A-HY20-90	HY20-6.8.10.12.16	5pcs	5L	429,40 €

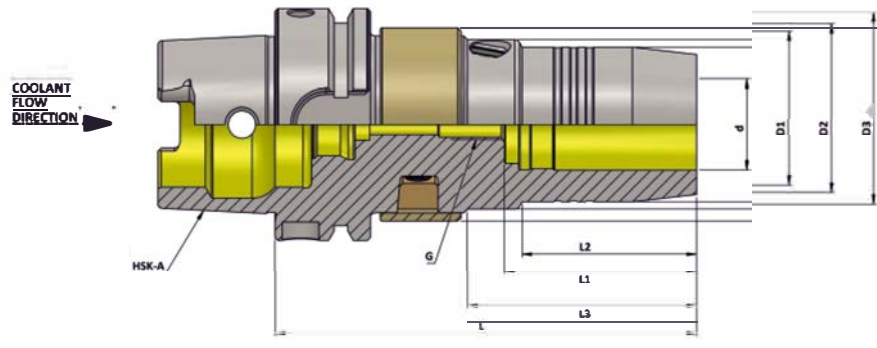
Hydraulic Expansion Chuck with "Run Out" adjustment AD

Mandrino Idraulico con regolazione assiale AD

A ↗
≤0.003

RPM
G2.5/25000

AD



Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro
63A.H20.RA.HT	HSK-A63 H20 115 A	20	42	46	52.5	MB	115	51	50	65.5	751,30 €
63A.H32.RA.HT	HSK-A 63 H32 150	32	42	46	52.5	MB	150	51	50	65.5	901,70 €
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 Heavy Duty power AD

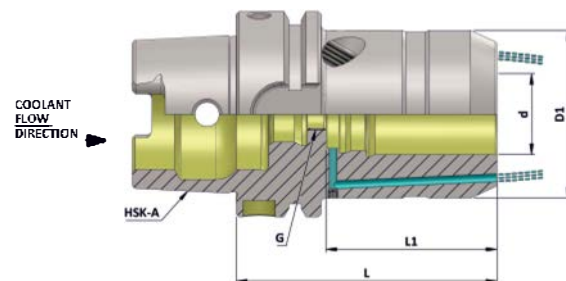
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD

A ↗
≤0.003

RPM
G2.5/25000

AD



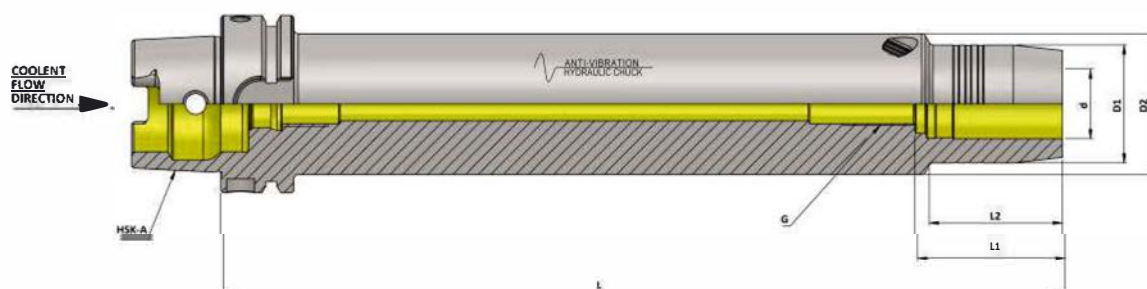
Code	Description	d	D1	G	L	L1	Euro
63A.H12.HD.HT	HSK-A 63 H12S 080 FCC	12	42		80	40	319,00 €
63A.H20.HD.HT	HSK-A 63 H20S 080 FCC	20	50		80	42	319,00 €
100A.H12.HD.HT	HSK-A 100 H12S 095 FCC	12	42	M10	95	40	373,90 €
100A.H20.HD.HT	HSK-A 100 H20S 090 FCC	20	50		90	42	373,90 €
100A.H32.HD.HT	HSK-A 100 H32S 110 FCC	32	72	M16	110	55	373,90 €

Hydraulic Expansion Chuck Anti - Vibration AD

Mandrino Idraulico Anti - vibrante AD

A ↗
≤0.010

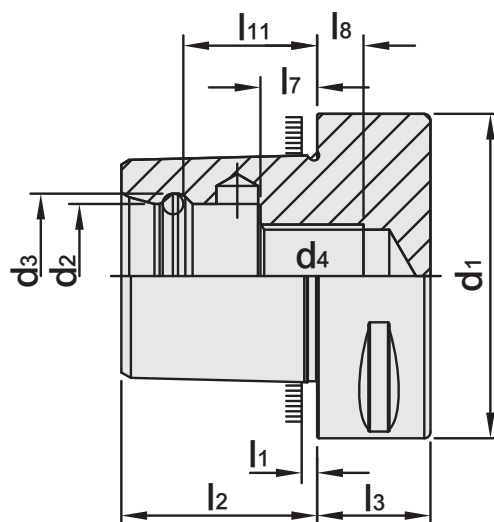
AD



Code	Description	d	D1	D2	G	L	L1	L2	Euro
63A.H20.200AV.HT	HSK-A 63 H20 200 AD/AV	20	42	49.5	M16	200	51	47	1.455,70 €
63A.H20.250AV.HT	HSK-A 63 H20 250 AD/AV	20	42	49.5	M16	250	51	47	1.859,60 €
63A.H20.300AV.HT	HSK-A 63 H20 300 AD/AV	20	42	49.5	M16	300	51	47	2.066,20 €
63A.H25.200AV.HT	HSK-A 63 H25 200 AD/AV	25	52	55	M16	200	57	50	1.502,70 €
63A.H25.250AV.HT	HSK-A 63 H5 250 AD/AV	25	52	55	M16	250	57	50	1.906,50 €
63A.H25.300AV.HT	HSK-A 63 H25 300 AD/AV	25	52	55	M16	300	57	50	2.113,10 €
63A.H32.200AV.HT	HSK-A 63 H32 200 AD/AV	32	62	63	M16	200	61	48	1.549,50 €
63A.H32.250AV.HT	HSK-A 63 H32 250 AD/AV	32	62	63	M16	250	61	48	1.953,50 €
63A.H32.300AV.HT	HSK-A 63 H32 300 AD/AV	32	62	63	M16	300	61	48	2.160,10 €

Polygonal shanks

Cono Poligonale C standard



Size	d ₁ ±0,1	d ₂ +0,1 -0,05	d ₃ ±0,05	d ₄	l ₁	l ₂ ±0,1	l ₃ min	l ₇ ±0,15	l ₈ min	l ₁₁ ±0,1
C32	32	15	16,5	M12 x 1,5P	2,5	19	15	6	6	13,5
C40	40	18	20,0	M14 x 1,5P	2,5	24	20	9	6	17,5
C50	50	21	24,0	M16 x 1,5P	3	30	20	10	7	22,0
C63	63	28	32,0	M20 x 2,0P	3	38	22	11	9	26,0
C80	80	32	38,0	M20 x 2,0P	3	48	30	20	10	34,0
C100	100	43	50,5	M24 x 2,0P	3	60	32	20	10	42,5

Taper standard/Standard cono: ISO 26623-1

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 60 ±2

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

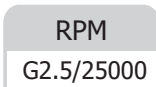
Cooling/Raffreddamento:



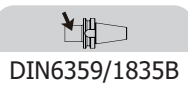
Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



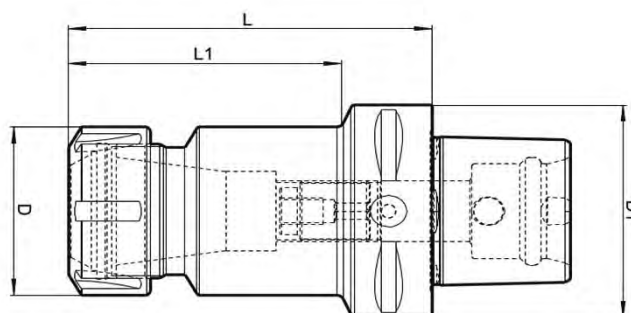
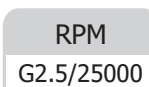
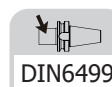
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



Socket type according to DIN6359
tipologia di presa secondo DIN6359

BRIGHT-TOOLS ER Collet Chuck

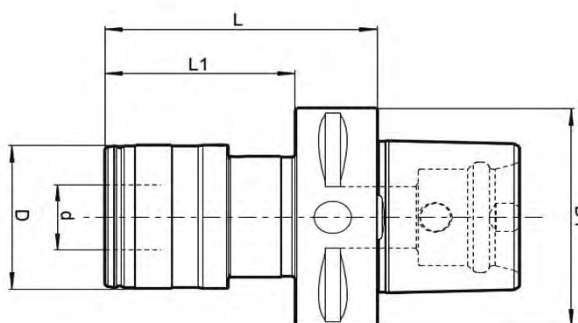
Mandrino ER



Code	Size	L1	D1	d	capacity	Euro
C6.02.10.HT	ER16 x100	60	63	28	1-10mm	321,90 €
C6.02.16.HT	ER25 x 60	33	63	42	2-16mm	314,50 €
C6.02.16.1.HT	ER25 x100	75	63	42	2-16mm	321,90 €
C6.02.20.HT	ER32 x 60	35	63	50	2-20mm	314,50 €
C6.02.20.1.HT	ER32 x100	75	63	50	2-20mm	321,90 €
C6.02.26.HT	ER40 x 65	--	63	63	3-26mm	314,50 €
C6.02.26.1.HT	ER40 x130	--	63	63	3-26mm	321,90 €

BRIGHT-TOOLS Quick change tapping Chuck

Mandrino Maschiatore



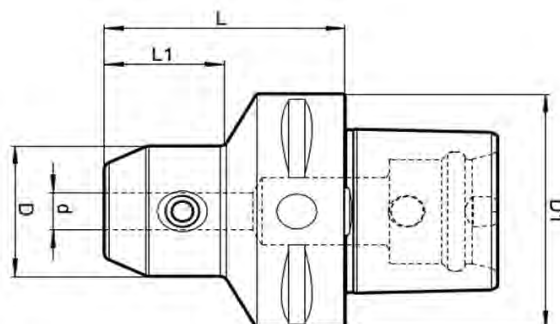
Code	Size	L	D	d	capacity	Euro
C6.02.16.12.HT	Gr1 M3-12	73	41	19	M 3-12	915,80 €
C6.02.16.20.HT	Gr2 M8-20	97	60	31	M 8-20	1.047,10 €
C6.02.16.36.HT	Gr3 M14-33	146	86	48	M 14-33	1.333.90 €

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

Mandrino Weldon AD/B (AB/AF)


 DIN6359/1835B

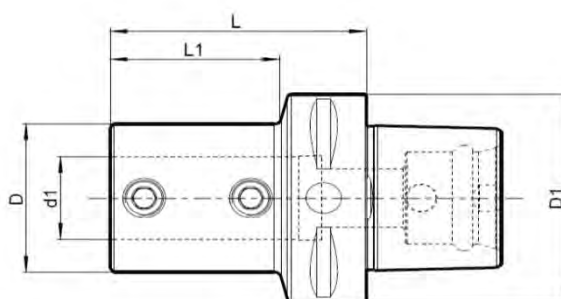

 ≤ 0.005

 RPM
 G2.5/25000


Code	Size	d	L	L1	D1	D	Euro
C6.04.06.HT	C6 We 06 55	6	55	25	63	25	296,00 €
C6.04.08.HT	C6 We 08 55	8	55	26	63	28	296,00 €
C6.04.10.HT	C6 We 10 60	10	60	30	63	35	296,00 €
C6.04.12.HT	C6 We 12 60	12	60	33	63	42	296,00 €
C6.04.14.HT	C6 We 14 60	14	60	34	63	44	296,00 €
C6.04.16.HT	C6 We 16 65	16	65	34	63	48	296,00 €
C6.04.20.HT	C6 We 20 65	20	65	38	63	52	296,00 €
C6.04.25.HT	C6 We 25 80	25	80	--	63	63	296,00 €
C6.04.32.HT	C6 We 32 90	32	90	--	63	72	296,00 €

Adaptor for drill

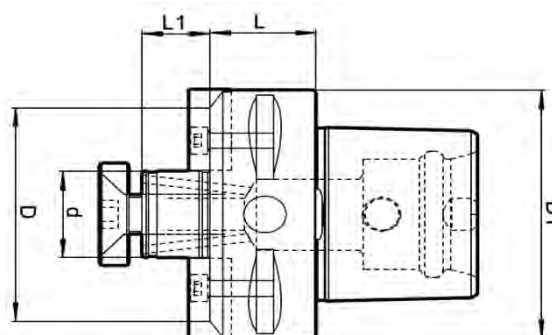
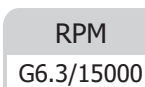
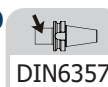
Mandrino per punte ad inserti

 RPM
 G6.3/8000


Code	Size	d	D1	D	L	L1	Euro
C6.05.16.HT	16 x 70	16	63	36	70	41	290,50 €
C6.05.20.HT	20 x 70	20	63	40	70	42	290,50 €
C6.05.25.HT	25 x 72	25	63	45	72	48	290,50 €
C6.05.32.HT	32 x 75	32	63	52	75	50	290,50 €

Face Mill Holder

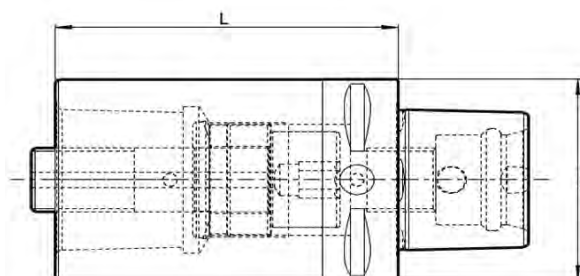
Mandrino Porta frese a trascinamento



Code	Size	d	D	L	L1	Euro	
C6.11.16.HT	C6-FMB16-40	16	32	40	11	314,50 €	●
C6.11.22.HT	C6-FMB22-25	22	55	25	16	314,50 €	●
C6.11.16.HT	C6-FMB27-25	27	63	25	18	314,50 €	●
C6.11.22.HT	C6-FMB32-25	32	63	25	20	314,50 €	●

Extension polygonal C6-C6

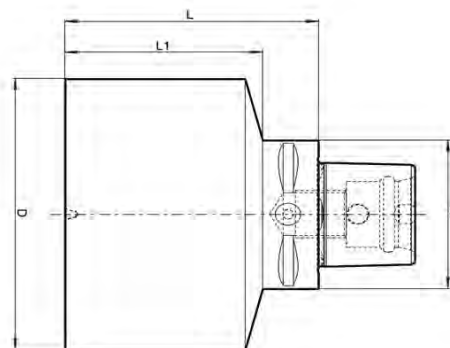
prolunghe estensioni C6-C6



Code	Size	L	D1	Euro	
C6.C6.100.HT	C6-C6 100	100	63	358,90 €	●
C6.C6.140.HT	C6-C6 140	140	63	358,90 €	●

Blank Bars

Barra Tenera

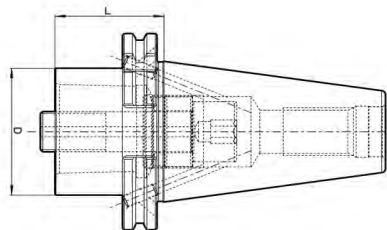
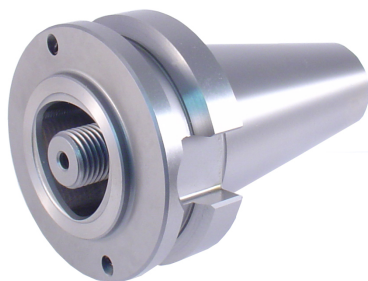


Code	Size	D	D1	L	L1	Euro	
C6.17.63.HT	C6-B 63-180	63	63	180	158	314,50 €	●

Reduction polygonal to DIN / MAS BT / HSK

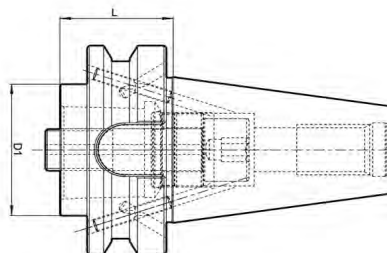
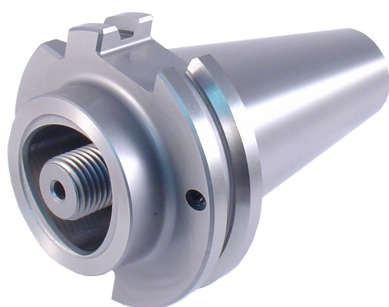
Riduzione poligonale a DIN / MAS BT / HSK

Reduction polygonal to DIN AD/B
Riduzione poligonale a DIN AD/B



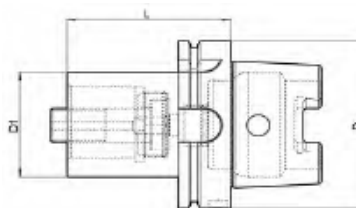
Code	Size	L	D1	Euro
C6.SK50.50.HT	C6-SK50 50	50	63	456,40 €
C6.SK50.80.HT	C6-SK50 58	80	63	456,40 €

Reduction polygonal to MAS BT AD/B
Riduzione poligonale a MAS BT AD/B



Code	Size	L	D1	Euro
C6.BT50.50.HT	C6-BT50 50	50	63	469,70 €
C6.BT50.90.HT	C6-BT50 90	90	63	469,70 €

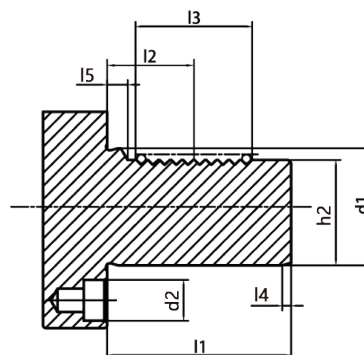
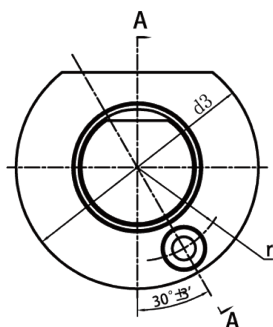
Reduction polygonal to HSK
Riduzione poligonale a HSK



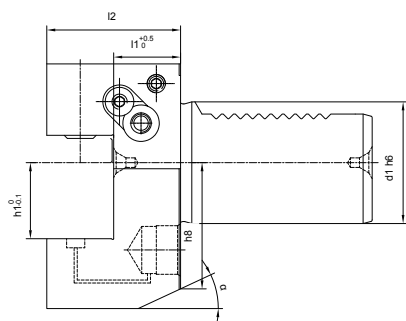
Code	Size	L	D1	Euro
C6.H63.110.HT	C6-HSK 63	110	63	652,70 €

TOOL HOLDER DIN69880

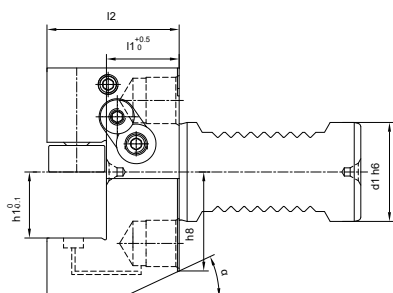
PORTAUTENSILI DIN69880



d1 H6	h1 max	d2	d3	h2 ±0.1	r ±0.02	l1 max	l2 ±0.05	l3 min	l4 max	l5
VDI16	12	8	40	15.0	14.5	32	12.7	16	2	3.5
VDI20	16	10	50	18.0	18.0	40	21.7	24	2	7.0
VDI25	16	10	58	23.5	21.0	48	21.7	24	2	7.0
VDI30	20	14	68	27.0	25.0	55	29.7	40	2	7.0
VDI40	25	14	83	36.0	32.0	63	29.7	40	3	7.0
VDI50	32	16	98	45.0	37.0	78	35.7	48	3	8.0
VDI60	32	16	123	55	48	94	43.7	56	4	10
VDI80	40	20	158	72	65	124	49.7	80	4	10



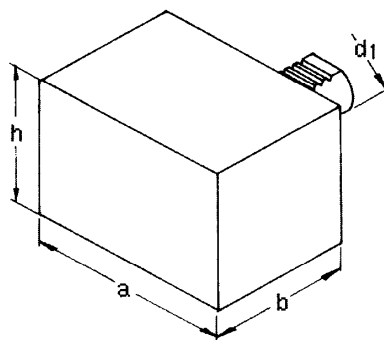
Modello standard



Modello IK doppio attacco a richiesta -consegna 20gg

Rectangular Soft Blank Form A1

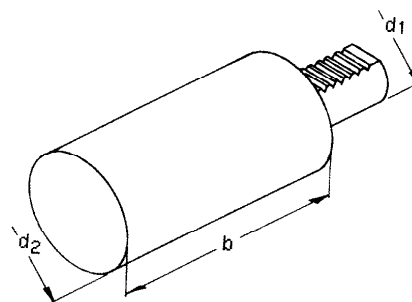
Tenero rettangolare forma A1



Code	d1	a	b	h	Euro	
169.17.12.HT	16	78	44	44	124,10 €	●
209.17.16.HT	20	100	60	65	145,00 €	●
309.17.20.HT	30	130	76	85	203,30 €	●
409.17.25.HT	40	151	96	100	303,00 €	●
509.17.32.HT	50	160	120	125	382,40 €	●

Round Soft Blank Form A2

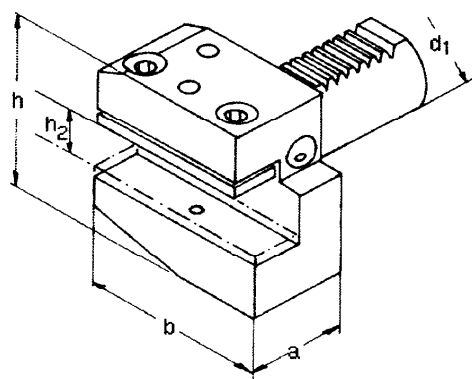
Tenero tondo forma A2



Code	d1	d2	b	Euro	
169.19.12.HT	16	40	60	74,90 €	●
209.19.16.HT	20	50	70	89,20 €	●
309.19.20.HT	30	68	100	93,60 €	●
309.19.21.HT	30	68	240	143,70 €	●
409.19.20.HT	40	83	120	116,20 €	●
409.19.21.HT	40	83	320	203,70 €	●
509.19.32.HT	50	98	135	171,30 €	●
509.19.33.HT	50	98	400	367,00 €	●

Radial Holder Form B1 Right, Short

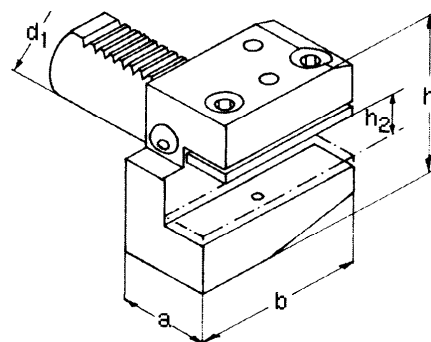
Portautensili radiali forma B1 destro, corto



Code	d1	h2	a	h	b	Euro
169.31.12.HT	16	12	24	42	42	113,20 €
209.31.16.HT	20	16	30	55	55	116,00 €
309.31.20.HT	30	20	40	66	70	130,40 €
409.31.25.HT	40	25	44	81	85	136,00 €
509.31.32.HT	50	32	55	95	100	175,80 €

Radial toolholders Form B2 Left, Short

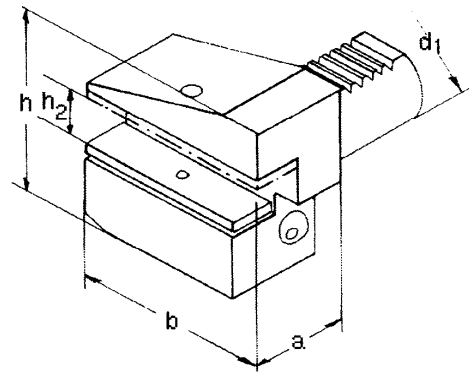
Portautensili radiali forma B2 sinistro, corto



Code	d1	h2	a	h	b	Euro
169.32.12.HT	16	12	24	42	42	113,20 €
209.32.16.HT	20	16	30	55	55	116,00 €
309.32.20.HT	30	20	40	66	70	130,40 €
409.32.25.HT	40	25	44	81	85	136,00 €
509.32.32.HT	50	32	55	95	100	175,80 €

Radial toolholders form B3 overhead right, short

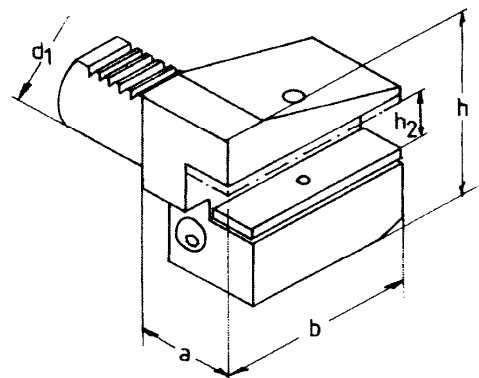
Portautensili radiali forma B3 sopraelevato destro, corto



Code	d1	h2	a	h	b	Euro
169.33.12.HT	16	12	24	42	42	113,20 €
209.33.16.HT	20	16	30	55	55	116,00 €
309.33.20.HT	30	20	40	73	70	130,40 €
409.33.25.HT	40	25	44	91	85	136,00 €
509.33.32.HT	50	32	55	110	100	175,80 €

Radial toolholders form B4 overhead left, short

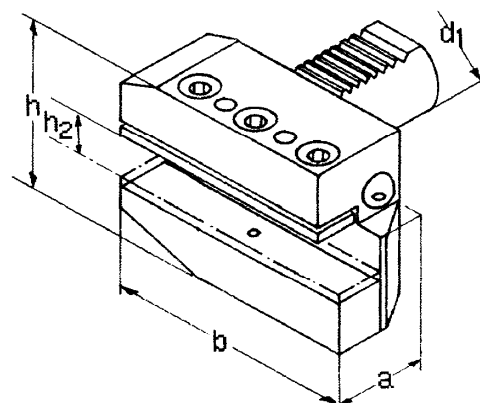
Portautensili radiali forma B4 sopraelevato sinistro, corto



Code	d1	h2	a	h	b	Euro
169.34.12.HT	16	12	24	42	42	113,20 €
209.34.16.HT	20	16	30	55	55	116,00 €
309.34.20.HT	30	20	40	73	70	130,40 €
409.34.25.HT	40	25	44	91	85	136,00 €
509.34.32.HT	50	32	55	110	100	175,80 €

Radial toolholders form B5 right, long

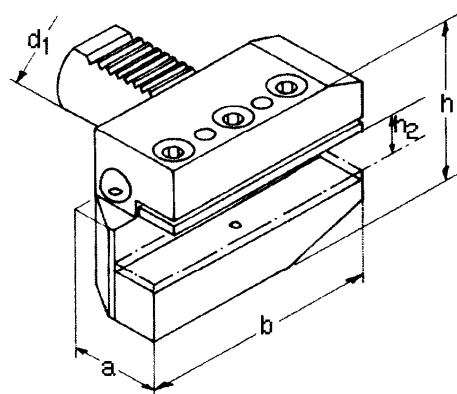
Portautensili radiali forma B5 destro, lungo



Code	d1	h2	a	h	b	Euro
169.35.12.HT	16	12	24	42	58	131,50 €
209.35.16.HT	20	16	30	55	75	144,10 €
309.35.20.HT	30	20	40	66	100	176,30 €
409.35.25.HT	40	25	44	91	118	190,70 €
509.35.32.HT	50	32	55	95	130	246,60 €

Radial toolholders form B6 left, long

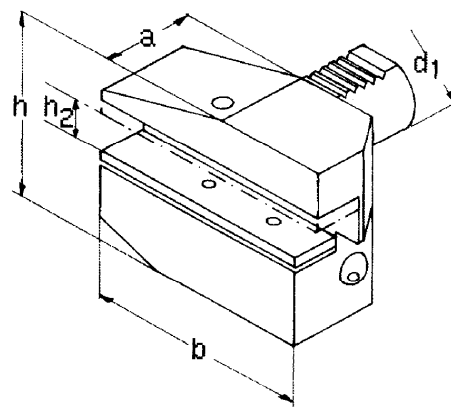
Portautensili radiali forma B6 sinistro, lungo



Code	d1	h2	a	h	b	Euro
169.36.12.HT	16	12	24	42	58	131,50 €
209.36.16.HT	20	16	30	55	75	144,10 €
309.36.20.HT	30	20	40	66	100	176,30 €
409.36.25.HT	40	25	44	91	118	190,70 €
509.36.32.HT	50	32	55	95	130	246,60 €

Radial toolholders form B7 overhead right, long

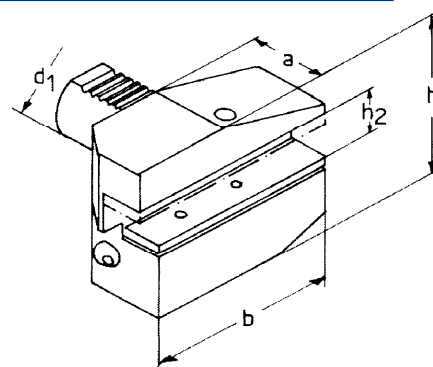
Portautensili radiali forma B7 destro, lungo



Code	d1	h2	a	h	b	Euro
169.37.12.HT	16	12	24	42	58	131,50 €
209.37.16.HT	20	16	30	55	75	144,10 €
309.37.20.HT	30	20	40	73	100	176,30 €
409.37.25.HT	40	25	44	91	118	190,70 €
509.37.32.HT	50	32	55	110	130	246,60 €

Radial toolholders form B8 overhead left, long

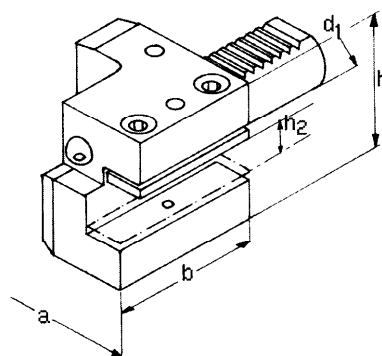
Portautensili radiali forma B8 sinistro, lungo



Code	d1	h2	a	h	b	Euro
169.38.12.HT	16	12	24	42	58	131,50 €
209.38.16.HT	20	16	30	55	75	144,10 €
309.38.20.HT	30	20	40	73	100	176,30 €
409.38.25.HT	40	25	44	91	118	190,70 €
509.38.32.HT	50	32	55	110	130	246,60 €

Axial toolholders form C1 right

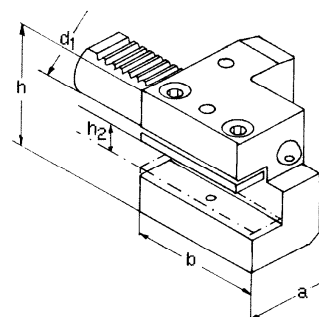
Portautensili assiali forma C1 destra



Code	d1	h2	b	h	a	Euro
169.41.12.HT	16	12	44	42	43	115,60 €
209.41.16.HT	20	16	50	55	52	137,80 €
309.41.20.HT	30	20	70	66	70	141,30 €
409.41.25.HT	40	25	85	91	85	165,80
509.41.32.HT	50	32	100	95	100	220,70 €

Axial toolholders form C2 left

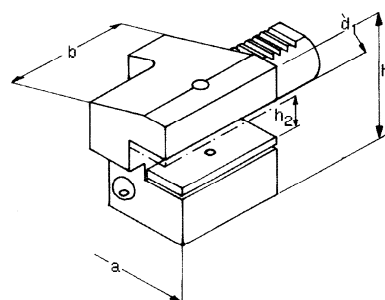
Portautensili assiali forma C2 sinistro



Code	d1	h2	b	h	a	Euro
169.42.12.HT	16	12	44	42	43	115,60 €
209.42.16.HT	20	16	50	55	52	137,80 €
309.42.20.HT	30	20	70	66	70	141,30 €
409.42.25.HT	40	25	85	91	85	165,80 €
509.42.32.HT	50	32	100	95	100	220,70 €

Axial toolholders form C3 overhead right, short

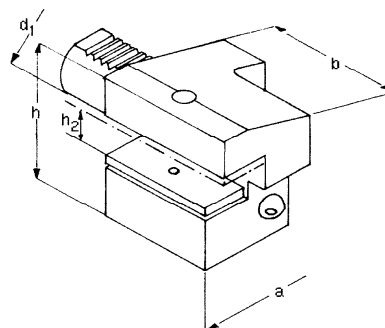
Portautensili assiali forma C3 sopraelevato destro, corto



Code	d1	h2	b	h	a	Euro	
169.43.12.HT	16	12	44	42	43	116,20 €	●
209.43.16.HT	20	16	50	55	52	138,80 €	●
309.43.20.HT	30	20	70	73	70	143,40 €	●
409.43.25.HT	40	25	85	91	85	165,80 €	●
509.43.32.HT	50	32	100	110	100	215,00 €	●

Axial toolholders form C4 overhead left, short

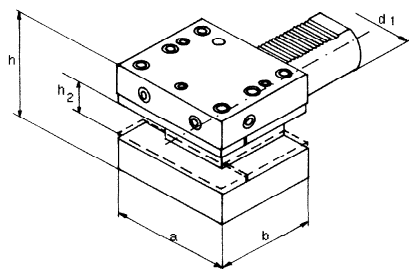
Portautensili assiali forma C4 sopraelevato sinistro, corto



Code	d1	h2	b	h	a	Euro	
169.44.12.HT	16	12	44	42	43	116,20 €	●
209.44.16.HT	20	16	50	55	52	138,80 €	●
309.44.20.HT	30	20	70	73	70	143,40 €	●
409.44.25.HT	40	25	85	91	85	165,80 €	●
509.44.32.HT	50	32	100	110	100	215,00 €	●

Rectangular toolholders with multiple seats form D

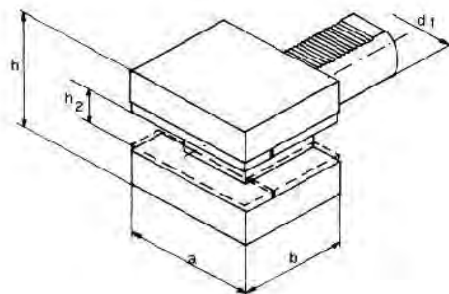
Portautensili rettangolari con sedi multiple forma D



Code	d1	h2	b	h	a	Euro	
309.89.12.HT	30	20	60	66	76	274,40 €	●
409.89.16.HT	40	25	72	81	90	315,20 €	●
509.89.20.HT	50	32	85	95	105	385,50 €	●

Rectangular toolholders with multiple seats, overhead form D2

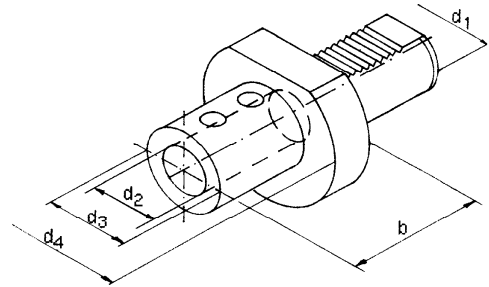
Portautensili rettangolari con sedi multiple, forma sopraelevata D2



Code	d1	h2	b	h	a	Euro	
309.90.12.HT	30	20	60	66	76	274,40 €	●
409.90.16.HT	40	25	72	81	90	315,20 €	●
509.90.20.HT	50	32	85	95	105	385,50 €	●

Boring holders for drills with indexable inserts form E1

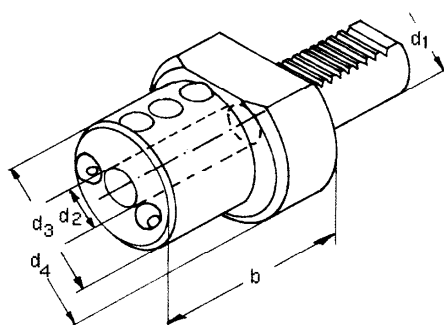
Portautensili per punte con inserti intercambiabili forma E1



Code	d1	d2	b	d4	d3	Euro	
209.51.16.HT	20	16	66	50	36	123,40 €	●
209.51.20.HT	20	20	67	50	40	123,40 €	●
209.51.25.HT	20	25	71	50	45	123,40 €	●
309.51.16.HT	30	16	66	68	36	126,40 €	●
309.51.20.HT	30	20	67	68	40	126,40 €	●
309.51.25.HT	30	25	71	68	45	126,40 €	●
309.51.32.HT	30	32	75	68	52	126,40 €	●
409.51.16.HT	40	16	66	83	36	135,60 €	●
409.51.20.HT	40	20	67	83	40	135,60 €	●
409.51.25.HT	40	25	71	83	45	135,60 €	●
409.51.32.HT	40	32	75	83	52	135,60 €	●
409.51.40.HT	40	40	90	83	65	135,60 €	●
509.51.16.HT	50	20	67	98	40	168,00 €	●
509.51.20.HT	50	25	80	98	45	168,00 €	●
509.51.32.HT	50	32	80	98	52	168,00 €	●
509.51.40.HT	50	40	90	98	65	175,80 €	●
509.51.50.HT	50	50	100	98	75	175,80 €	●

Boring bar holders form E2

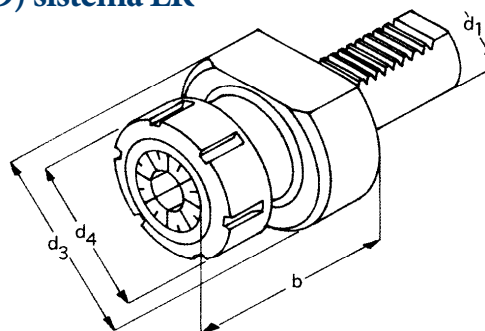
Portabarre forma E2



Code	d1	d2	b	d4	d3	Euro
169.52.06.HT	16	6	44	40	32	114,00 €
169.52.08.HT	16	8	44	40	32	114,00 €
169.52.10.HT	16	10	44	40	32	114,00 €
169.52.12.HT	16	12	44	40	40	114,00 €
169.52.16.HT	16	16	44	40	40	114,00 €
209.52.08.HT	20	8	50	50	40	114,00 €
209.52.10.HT	20	10	50	50	40	114,00 €
209.52.12.HT	20	12	50	50	40	114,00 €
209.52.16.HT	20	16	50	50	40	114,00 €
209.52.20.HT	20	20	50	50	50	114,00 €
309.52.08.HT	30	8	60	68	55	120,30 €
309.52.10.HT	30	10	60	68	55	120,30 €
309.52.12.HT	30	12	60	68	55	120,30 €
309.52.16.HT	30	16	60	68	55	120,30 €
309.52.20.HT	30	20	60	68	55	120,30 €
309.52.25.HT	30	25	60	68	68	120,30 €
309.52.32.HT	30	32	75	68	68	120,30 €
409.52.08.HT	40	8	75	83	55	126,40 €
409.52.10.HT	40	10	75	83	55	126,40 €
409.52.12.HT	40	12	75	83	55	126,40 €
409.52.16.HT	40	16	75	83	55	126,40 €
409.52.20.HT	40	20	75	83	55	126,40 €
409.52.25.HT	40	25	75	83	55	126,40 €
409.52.32.HT	40	32	75	83	83	126,40 €
409.52.40.HT	40	40	90	83	83	128,40 €
509.52.12.HT	50	12	90	98	68	148,00 €
509.52.16.HT	50	16	90	98	68	148,00 €
509.52.20.HT	50	20	90	98	68	148,00 €
509.52.25.HT	50	25	90	98	68	148,00 €
509.52.32.HT	50	32	90	98	68	148,00 €
509.52.40.HT	50	40	90	98	98	148,00 €
509.52.50.HT	50	50	100	98	98	148,00 €

chucks form E4 for collets ISO 15488 (DIN 6499) ER-system

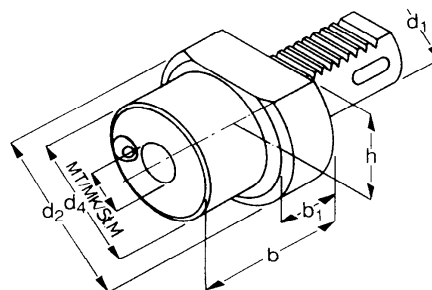
mandrini forma E4 per pinze ISO 15488 (DIN 6499) sistema ER



Code	d1	ER	b	d3	range	d4	Euro	
169.02.10.HT	16	16	40	40	1-10	32	183,70 €	●
209.02.10.HT	20	16	40	50	1-10	32	187,00 €	●
209.02.16.HT	20	25	54	50	2-16	42	188,50 €	●
309.02.16.HT	30	25	57	68	2-16	42	200,70 €	●
309.02.20.HT	30	32	62	68	2-20	50	200,70 €	●
309.02.26.HT	30	40	70	68	3-30	63	200,70 €	●
409.02.16.HT	40	25	70	83	2-16	42	213,10 €	●
409.02.20.HT	40	32	62	83	2-20	50	213,10 €	●
409.02.26.HT	40	40	75	83	3-30	63	213,10 €	●
509.02.26.HT	50	40	75	98	3-30	63	246,10 €	●

Adaptor sleeves for MT, tanged, form F1

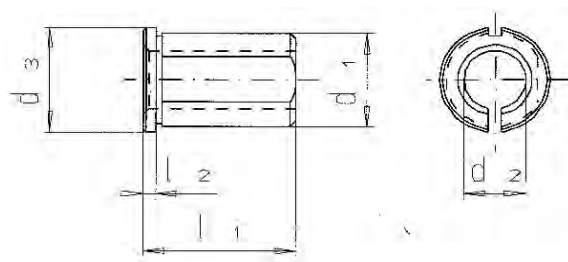
Manicotti adattatori per MT, con codolo, forma F1



Code	d1	MK	b	h	d2	d4	b1	Euro	
209.07.01.HT	20	1	22	23	50	50	22	118,60 €	●
209.07.02.HT	20	2	90	23	50	40	30	135,60 €	●
309.07.01.HT	30	1	27	28	68	68	27	126,00 €	●
309.07.02.HT	30	2	27	28	68	55	36	129,90 €	●
309.07.03.HT	30	3	73	28	68	58	22	133,80 €	●
409.07.02.HT	40	2	36	33	83	55	22	143,00 €	●
409.07.03.HT	40	3	50	33	83	58	22	146,50 €	●
409.07.04.HT	40	4	80	33	83	68	22	152,30 €	●
509.07.02.HT	50	2	36	35	98	55	30	164,70 €	●
509.07.03.HT	50	3	36	35	98	58	30	168,20 €	●
509.07.04.HT	50	4	50	35	98	68	30	170,80 €	●
509.07.05.HT	50	5	68	35	98	75	30	200,40 €	●

Reduction sleeves for boring bar holders form E2

Bussole di riduzione per portabarre forma E2

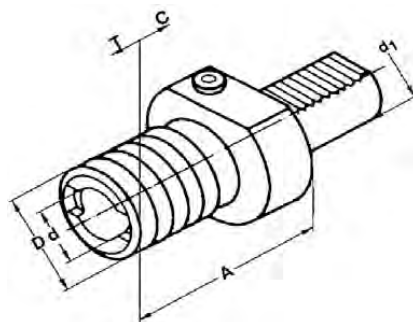


Code	d1	d2	d3	l1	l2	Euro	
709.25.08.HT	25	8	29	50	4	67,50 €	●
709.25.10.HT	25	10	29	50	4	67,50 €	●
709.25.12.HT	25	12	29	50	4	67,50 €	●
709.25.14.HT	25	14	29	50	4	67,50 €	●
709.25.16.HT	25	16	29	50	4	67,50 €	●
709.25.18.HT	25	18	29	50	4	67,50 €	●
709.25.20.HT	25	20	29	50	4	67,50 €	●
709.32.08.HT	32	8	36	60	4	67,50 €	●
709.32.10.HT	32	10	36	60	4	67,50 €	●
709.32.12.HT	32	12	36	60	4	67,50 €	●
709.32.14.HT	32	14	36	60	4	67,50 €	●
709.32.16.HT	32	16	36	60	4	67,50 €	●
709.32.18.HT	32	18	36	60	4	67,50 €	●
709.32.20.HT	32	20	36	60	4	67,50 €	●
709.32.25.HT	32	25	36	60	4	67,50 €	●
709.40.10.HT	40	10	44	75	4	67,50 €	●
709.40.12.HT	40	12	44	75	4	67,50 €	●
709.40.14.HT	40	14	44	75	4	67,50 €	●
709.40.16.HT	40	16	44	75	4	67,50 €	●
709.40.18.HT	40	18	44	75	4	67,50 €	●
709.40.20.HT	40	20	44	75	4	67,50 €	●
709.40.25.HT	40	25	44	75	4	67,50 €	●
709.40.32.HT	40	32	44	75	4	67,50 €	●



Quick change tapping chucks with length compensation on compression and expansion

Mandrini per maschiatura a cambio rapido con compensazione in compressione ed espansione



Code	d1	grand	A	D	d	Euro2
309.16.12.HT	30	M3/M14	55	38	19	524,10 €
309.16.20.HT	30	M5/M22	77	54	31	583,10 €
409.16.12.HT	40	M3/M14	55	38	19	517,60 €
409.16.20.HT	40	M5/M22	77	54	31	572,40 €
509.16.12.HT	50	M3/M14	55	38	19	568,50 €
509.16.20.HT	50	M5/M22	77	54	31	568,50 €

Protection steel plugs form Z2

Tappi di protezione in acciaio forma Z2

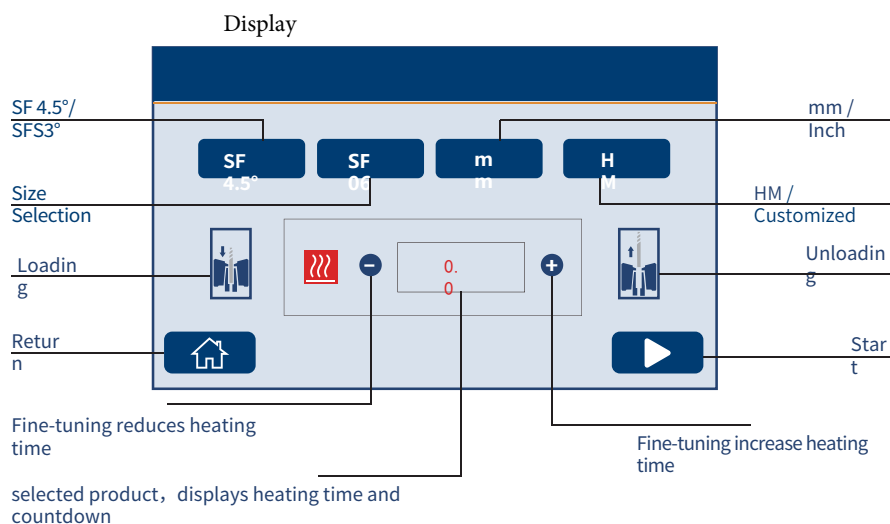


Code	b	D	l	Euro
169.29.13.HT	16	40	13	37,20 €
209.29.16.HT	20	50	16	40,50 €
309.29.20.HT	30	68	16	44,60 €
409.29.20.HT	40	83	20	51,80 €
509.29.20.HT	50	98	20	63,10 €

EShrink fit machine

Macchina a Calettare

- Tecnologia con dilatazione termica del mandrino.
- Display touch da 7", impostazione automatica dei parametri, semplice utilizzo
- Utilizzato con utensili da taglio



Code	Power	Power	D	DxWxH	Euro
50100.HT	380V 50HZ	15KW	ø3-ø32	740 580 845	7.250,00 €

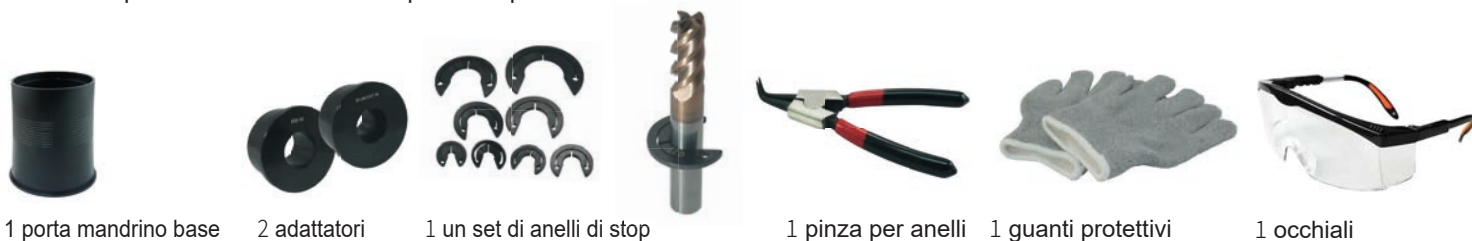
4.1 Machine Technical Data

Size:	50100.HT
Voltage:	3 x 380V 50HZ 3 x 25 A
Nominal Power:	15 KW
Weight:	50 KG
Dimensions: Len. x Wi. x H (mm)	690x550x820

4.2 Tool Diameter Tolerance

Shaft Diameter	Tolerance
3 mm	H4
4 mm	H4
5 mm	H5
6 - 32mm	H6

Set di adattatori per la sostituzione del portautensili: lo standard è per BT/SK/CAT 40, un altro è per HSK63, altri set di adattatori specifici devono essere acquistati separatamente.

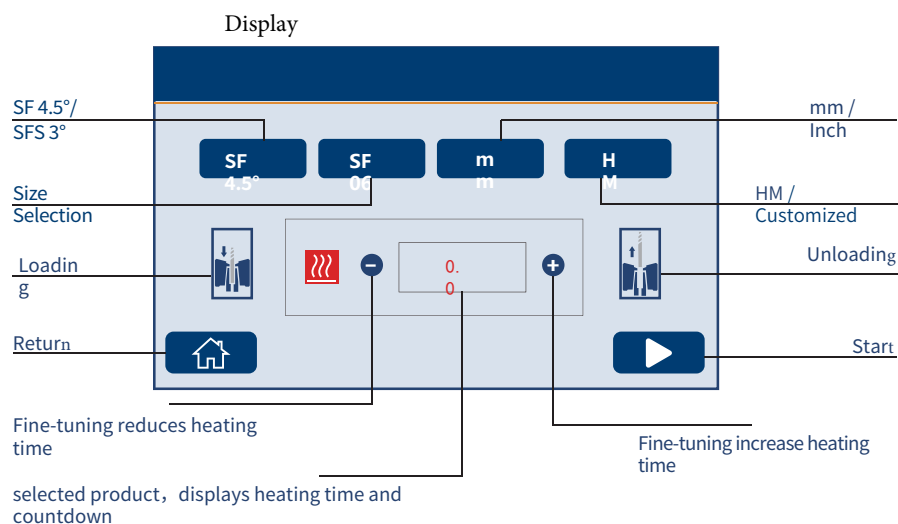


istruzioni per l'uso di corrodo

EShrink fit machine cooling version

Macchina a Calettare completa di raffreddamento

- Tecnologia con dilatazione termica del mandrino.
- Display touch da 7", impostazione automatica dei parametri, semplice utilizzo
- Utilizzato con utensili da taglio
- Raffreddamento con chiller



Code	Power	Power	D	DxWxH	Euro
70100.HT	380V 50HZ	15KW	ø3-ø32	690x550x820	11.500,00 €

4.1 Machine Technical Data

Size:	70100.HT	Water Containers
Voltage:	3 x 380V 50HZ 3 x 25 A	220V 50-60HZ 0.4 -3.7 A
Nominal	15 KW	0.75-1 KW
Power: Weight:	50 KG	10 KG
Dimensions: Len. x Wi. x H (mm)		690x550x820

4.2 Tool Diameter Tolerance

Shaft Diameter	Tolerance
3 mm	H4
4 mm	H4
5 mm	H5
6 - 32mm	H6

Set di adattatori per la sostituzione del portautensili: lo standard è per BT/SK/CAT 40, un altro è per HSK63, altri set di adattatori specifici devono essere acquistati separatamente.



1 porta mandrino base



2 adattatori



1 un set di anelli di stop



1 pinza per anelli



1 guanti protettivi



1 occhiali



1 Refrigeratore industriale

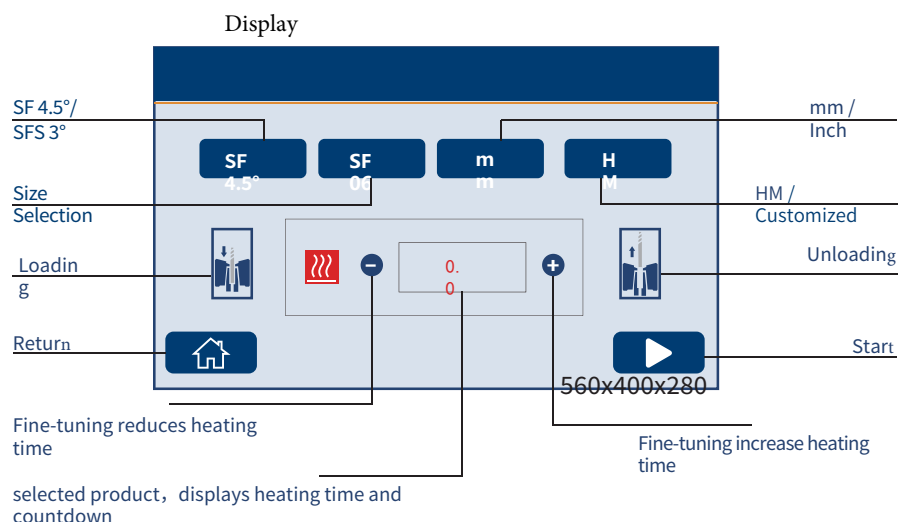
istruzioni per l'uso di corredo

EShrink fit machine cooling version integrata

Macchina a Calettare completa di raffreddamento integrato



- Tecnologia con dilatazione termica del mandrino.
- Display touch da 7", impostazione automatica dei parametri, semplice utilizzo
- Utilizzato con utensili da taglio
- Raffreddamento con chiller



Code	Power	Power	D	DxWxH	Euro
90100.HT	380V 50HZ	15KW	ø3-ø32	690x550x820	13.500,00 €

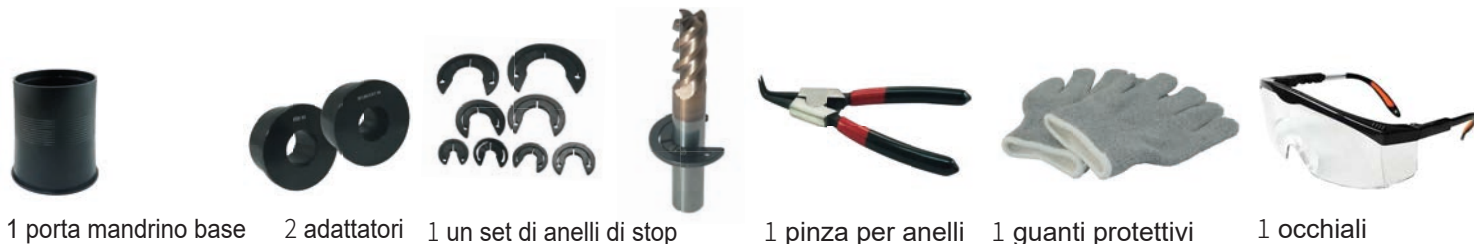
4.1 Machine Technical Data

Size:	90100.HT	Water Containers
Voltage:	3 x 380V 50HZ 3 x 25 A	220V 50-60HZ 0.4 -3.7 A
Nominal	15 KW	0.75-1 KW
Power: Weight:	50 KG	10 KG
Dimensions: Len. x Wi. x H (mm)	690x550x880	560x400x280

4.2 Tool Diameter Tolerance

Shaft Diameter	Tolerance
3 mm	H4
4 mm	H4
5 mm	H5
6 - 32mm	H6

Set di adattatori per la sostituzione del portautensili: lo standard è per BT/SK/CAT 40, un altro è per HSK63, altri set di adattatori specifici devono essere acquistati separatamente.



1 Refrigeratore industriale

Tool Holder Cleaning Device

Macchina Lava Coni



corpo c/spazzole

Base

agente

antiruggine

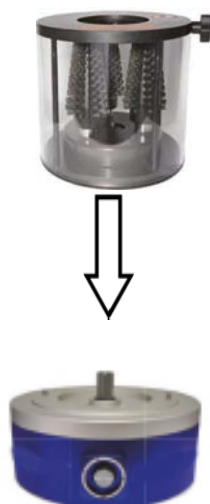
Alimentazione

Code	Description	Euro
360100.HT	base completa di alimentazione	1.770,00 €
300130.HT	corpo BT/SK/CAT30 con 2 anelli adattatori	1.180,00 €
300140.HT	corpo BT/SK/CAT40 con 2 anelli adattatori	1.220,00 €
300150.HT	corpo BT/SK/CAT50 con 3 anelli adattatori	1.380,00 €
300263.HT	corpo HSK63 per tipo A/C/D/E/F	1.280,00 €
300210.HT	corpo HSK100 per tipo A/C/D/E/F	1.420,00 €

Tutti i portautensili utilizzano la stessa unità di base, solo per cambiare la testa della spazzola per conicità diverse. Anelli di riduzione inclusi da utilizzare con la testa della spazzola per portautensili in base a standard di conicità diversi.

Codice	Unità pulizia compresa di unità base	Euro
HT.360130	BT/SK/CAT30	2.950,00 €
HT.360140	BT/SK/CAT40	2.990,00 €
HT.360150	BT/SK/CAT50	3.150,00 €
HT.360263	HSK63	3.050,00 €
HT.360210	HSK100	3.190,00 €

Unità di pulizia, testa della spazzola per conicità diverse. Anelli di riduzione inclusi da utilizzare con la testa della spazzola per portautensili in base a standard di conicità



Tutti i portautensili utilizzano la stessa unità di base 100-240 V
AC max 0,15 kW - Motore 24 V DC
Diametro: 300mm - Altezza: 140mm - Peso: 11 Kg



Unità di pulizia, e diversa perogni attacco come da elenco

BT/SK/CAT30
BT/SK/CAT40
BT/SK/CAT50
HSK63
HSK100

Chip remover

Pala rimuovi trucioli

Pulizia efficiente di pezzi e tavole della macchina CNC Rimozione trucioli dalle tasche e soffiaggio delle sacche d'acqua Complemento perfetto al processo di lavoro automatizzato



OAL altezza pala chiusa	170
LF altezza pala aperta	53
gambo DCONMS	16
BD ø massimo pala chiusa	130
DFC ø massimo pala aperta	260

- Utilizzabile con qualsiasi portautensili Ø16mm
- Porta utensile con refrigerazione interna centrale.
- Corpo in alluminio ø65mm, ad alta resistenza e anodizzato.

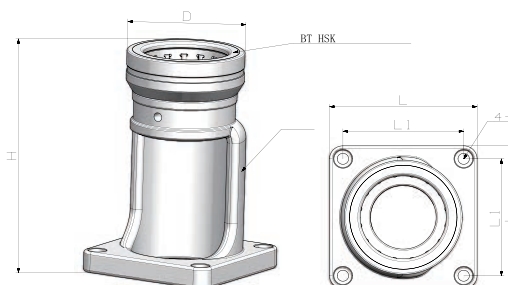
Parametri di utilizzo del prodotto

Numero di giri 4000-6000 viene regolata in base alle esigenze

Articolo	Euro
26.000.HT	119,10 € 

Tool Holder Locking Device BT\HSK\SK

Dispositivo di bloccaggio portautensili BT\HSK\SK



Code	Size	Tool Holder	D	H	L	L1	M	Euro	
707.1.SK30.HT	TMS40-50	HSK50, SK30, C5	76	168	110	90	M8	107,30 €	
707.1.SK40.HT	TMS40-63	HSK63, BT40, C6	87	172	110	90	M8	107,30 €	
707.1.080.HT	TMS40-63.55	SK40	87	172	110	90	M8	169,20 €	
707.1.063.HT	TMS50-80	HSK80, C8	114	219	160	130	M8	107,30 €	
707.1.SK50.HT	TMS50-97.5	SK50	124	219	160	130	M8	169,20 €	
707.1.100.HT	TMS50-100	HSK100, BT50	124	219	160	130	M8	169,20 €	

Cylindrical Shank Shrink Fit Holder 4.5 Degree (Shrinking Extension)

Prolunga cilindrica a calettare ,4,5°

A ↗
≤0.003



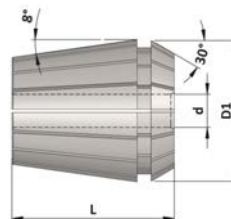
Code	Description	d	D1	D	G	L	L1	Euro	
120.12.SFH03.HT	D12 SFH03 150	3	8	12	–	150	12	110,30 €	●
120.12.SFH04.HT	D12 SFH04 150	4	8	12	–	150	14	110,30 €	●
120.12.SFH05.HT	D12 SFH05 150	5	8	12	–	150	15	110,30 €	●
120.16.SFH03.HT	D16 SFH03 150	3	10	16	–	150	12	110,30 €	●
120.16.SFH04.HT	D16 SFH04 150	4	10	16	–	150	14	110,30 €	●
120.16.SFH05.HT	D16 SFH05 150	5	10	16	–	150	15	102,20 €	●
120.16.SFH06.HT	D16 SFH06 150	6	10	16	M5	150	36	102,20 €	●
120.20.SFH03.HT	D20 SFH03 150	3	10	20	–	150	12	110,30 €	●
120.20.SFH04.HT	D20 SFH04 150	4	10	20	–	150	14	110,30 €	●
120.20.SFH05.HT	D20 SFH05 150	5	10	20	–	150	15	102,20 €	●
120.20.SFH06.HT	D20 SFH06 150	6	10	20	M5	150	36	102,20 €	●
120.20.SFH08.HT	D20 SFH08 150	8	12	20	M6	150	36	102,20 €	●
120.20.SFH10.HT	D20 SFH10 150	10	14	20	M8	150	41	102,20 €	●
120.20.SFH12.HT	D20 SFH12 150	12	16	20	M10	150	46	102,20 €	●
120.25.SFH03.HT	D25 SFH03 150	3	15	25	–	150	12	110,30 €	●
120.25.SFH04.HT	D25 SFH04 150	4	15	25	–	150	14	110,30 €	●
120.25.SFH05.HT	D25 SFH05 150	5	15	25	–	150	15	110,30 €	●
120.25.SFH06.HT	D25 SFH06 150	6	20	25	M5	150	36	110,30 €	●
120.25.SFH08.HT	D25 SFH08 150	8	20	25	M6	150	36	102,20 €	●
120.25.SFH10.HT	D25 SFH10 150	10	20	25	M8	150	41	102,20 €	●
120.25.SFH12.HT	D25 SFH12 150	12	20	25	M10	150	46	102,20 €	●
120.25.SFH14.HT	D25 SFH14 150	14	20	25	M10	150	46	102,20 €	●
120.25.SFH16.HT	D25 SFH16 150	16	22	25	M12	150	49	102,20 €	●

ER Collet for internal cooling

Pinze ER a tenuta per lub. interna utensile



1 mm steps
1 mm passo



A ↗
≤0.015

Code		Range	D1	L	Euro	
426EA.HT	426E - Ø (ER 16)	3 – 10	17	27.5	59,60 €	
430EA.HT	430E - Ø (ER 25)	3 – 16	21	31.5	62.00 €	
470EA.HT	470E - Ø (ER 32)	3 – 20	33	40	62.90 €	
472EA.HT	472E - Ø (ER 40)	3 – 26	41	46	79.00 €	

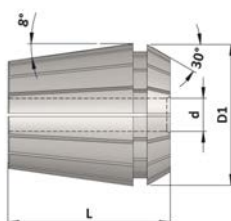
Note:

Only nominal size d can be clamped with sealing plug for internal cooling (applicable up to 21 bar)

Solo la dimensione nominale d può essere bloccata con tappo di tenuta per raffreddamento interno (applicabile fino a 21 bar)

ER Collet

Pinze ER



1 mm steps
1 mm passo

*0,5 mm steps
*0,5 mm passo

A ↗
≤0.015

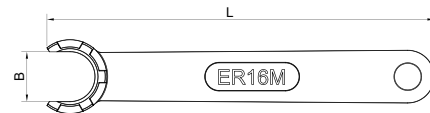
Code		Range	D1	L	Euro	
4008E.HT	4008E - Ø (ER11)*	1 – 1,5	11.5	18	18,60 €	
	4008 - Ø*	2 – 7			15,50 €	
426E.HT	426E - Ø (ER 16)	1	17	27.5	17,10 €	
	426E - Ø	2 – 10			14,00 €	
428E.HT	428E - Ø (ER 20)	1 - 4	21	31.5	18,60 €	
	428E - Ø	5 – 13			17,10 €	
430E.HT	430E - Ø (ER 25)	2	26	34	21,70 €	
	430E - Ø	3 – 16			15,50 €	
470E.HT	470E - Ø (ER 32)	3 – 20	33	40	23,30 €	
	470E - Ø					
472E.HT	472E - Ø (ER 40)	3	41	46	23,30 €	
	472E - Ø	4 – 26			20,20 €	

ER Collet Set

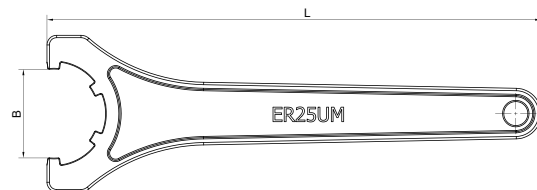
Set Pinze ER



Code	Size	Collet Diameter	PCS/SET	Euro
4006E-S.HT	ER8-9 PCS	1,1.5,2,2.5,3,3.5,4,4.5,5	9	144,50 €
4008E-S.HT	ER11-13 PCS	1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7	13	186,30 €
426E-S.HT	ER16-10 PCS	1,2,3,4,5,6,7,8,9,10	10	132,90 €
428E-S.HT	ER20-13 PCS	1,2,3,4,5,6,7,8,9,10,11,12,13	13	159,00 €
430E-S.HT	ER25-15 PCS	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	15	188,50 €
470E-S.HT	ER32-18 PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	18	250,50 €
472E-S.HT	ER40-23 PCS	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	23	390,00 €



Code	Size	B	L	Nut	Euro
02.05.3.HT	ER8M	12.9	70	ER8-M	9,00 €
02.07.3.HT	ER11M	16.7	90	ER11-M	9,00 €
02.10.3.HT	ER16M	22.4	110	ER16-M	9,00 €
02.13.3.HT	ER20M	28.9	120	ER20-M	9,00 €
02.16.3.HT	ER25M	35.8	130	ER25-M	12,00 €

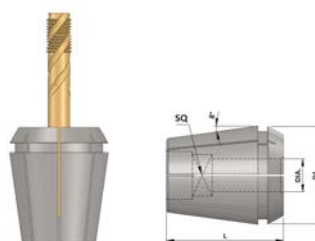


Code	Size	B	L	Nut	Euro
02.10.1.HT	ER16UM	26	180	ER16-UM	12,00 €
02.13.HT	ER20UM	29	190	ER20-UM	12,00 €
02.16.HT	ER25UM	37	210	ER25-UM	12,00 €
02.20.HT	ER32UM	45	250	ER32-UM	14,00 €
02.26.HT	ER40UM	58	290	ER40-UM	18,10 €

Tap Collet ER G

Pinze ER con quadro per maschiatura

A ↗
≤0.015

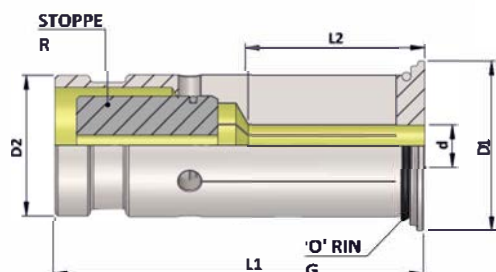


Code	Range	D1	L	Euro	
426G-3527 .HT	ER 16 - 3,5 × 2,7	17	27.5	62,60 €	
426G-43 .HT	ER 16 - 4 × 3				
426G-4534 .HT	ER 16 - 4,5 × 3,4				
426G-649 .HT	ER 16 - 6 × 4,9				
426G-755 .HT	ER 16 - 7 × 5,5				
426G-862 .HT	ER 16 - 8 × 6,2				
430G-3527 .HT	ER 25 - 3,5 × 2,7	21	31.5	65,10 €	
430G-43 .HT	ER 25 - 4 × 3				
430G-4534 .HT	ER 25 - 4,5 × 3,4				
430G-649 .HT	ER 25 - 6 × 4,9				
430G-755 .HT	ER 25 - 7 × 5,5				
430G-862 .HT	ER 25 - 8 × 6,2				
430G-97 .HT	ER 25 - 9 × 7				
430G-108 .HT	ER 25 - 10 × 8				
430G-119 .HT	ER 25 - 11 × 9				
430G-129 .HT	ER 25 - 12 × 9				
470G-4534 .HT	ER 32 - 4,5 × 3,4	33	40	66,00 €	
470G-649 .HT	ER 32 - 6 × 4,9				
470G-755 .HT	ER 32 - 7 × 5,5				
470G-862 .HT	ER 32 - 8 × 6,2				
470G-97 .HT	ER 32 - 9 × 7				
470G-108 .HT	ER 32 - 10 × 8				
470G-119 .HT	ER 32 - 11 × 9				
470G-129 .HT	ER 32 - 12 × 9				
470G-1411 .HT	ER 32 - 14 × 11				
470G-1612 .HT	ER 32 - 16 × 12				
472G-649 .HT	ER 40 - 6 × 4,9	41	46	83,00 €	
472G-755 .HT	ER 40 - 7 × 5,5				
472G-862 .HT	ER 40 - 8 × 6,2				
472G-97 .HT	ER 40 - 9 × 7				
472G-108 .HT	ER 40 - 10 × 8				
472G-119 .HT	ER 40 - 11 × 9				
472G-129 .HT	ER 40 - 12 × 9				
472G-1411 .HT	ER 40 - 14 × 11				
472G-1612 .HT	ER 40 - 16 × 12				
472G-18145 .HT	ER 40 - 18 × 14,5				
472G-2016 .HT	ER 40 - 20 × 16				

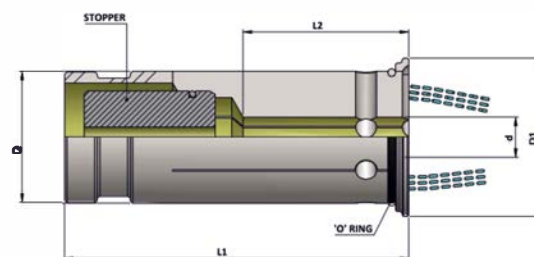
Reduction Sleeve seal

Pinze riduzione mandrini Idraulici

A ↗
≤0.015



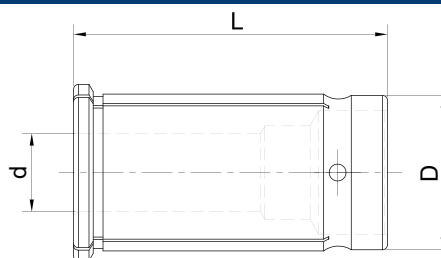
L2-Minimo
Lunghezza da inserire



Code	range est.int.	Euro	D1	L1	L2	Code	range est.int.	Euro
R12.030.HT	12 - 3	53,60 €	16.5	44	14	RDC12.030.HT	12 - 3	80,40 €
R12.040.HT	12 - 4	53,60 €	16.5	44	15	RDC12.040.HT	12 - 4	80,40 €
R12.050.HT	12 - 5	53,60 €	16.5	44	18	RDC12.050.HT	12 - 5	80,40 €
R12.060.HT	12 - 6	52,20 €	16.5	44	25	RDC12.060.HT	12 - 6	78,30 €
R12.080.HT	12 - 8	52,20 €	16.5	44	26	RDC12.080.HT	12 - 8	78,30 €
R20.030.HT	20 - 3	56,60 €	24	52.5	14	RDC20.030.HT	20 - 3	84,90 €
R20.040.HT	20 - 4	56,60 €	24	52.5	15	RDC20.040.HT	20 - 4	84,90 €
R20.050.HT	20 - 5	56,60 €	24	52.5	18	RDC20.050.HT	20 - 5	84,90 €
R20.060.HT	20 - 6	54,30 €	24	52.5	25	RDC20.060.HT	20 - 6	81,40 €
R20.080.HT	20 - 8	54,30 €	24	52.5	30	RDC20.080.HT	20 - 8	81,40 €
R20.100.HT	20 - 10	54,30 €	24	52.5	33	RDC20.100.HT	20 - 10	81,40 €
R20.120.HT	20 - 12	54,30 €	24	52.5	34	RDC20.120.HT	20 - 12	81,40 €
R20.160.HT	20 - 16	54,30 €	24	52.5	40	RDC20.160.HT	20 - 16	81,40 €

Straight Shank Collet SC

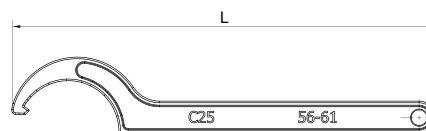
Pinze riduzione forte Serraggio



Code	Size	d	D	L	Euro
HKS20-03.HT	SC20-03	3	20	50	25,50 €
HKS20-04.HT	SC20-04	4	20	50	25,50 €
HKS20-05.HT	SC20-05	5	20	50	25,50 €
HKS20-06.HT	SC20-06	6	20	50	25,50 €
HKS20-08.HT	SC20-08	8	20	50	25,50 €
HKS20-10.HT	SC20-10	10	20	50	25,50 €
HKS20-12.HT	SC20-12	12	20	50	25,50 €
HKS20-16.HT	SC20-16	16	20	50	25,50 €
HKS32-06.HT	SC32-06	6	32	64	28,50 €
HKS32-08.HT	SC32-08	8	32	64	28,50 €
HKS32-10.HT	SC32-10	10	32	64	28,50 €
HKS32-12.HT	SC32-12	12	32	64	28,50 €
HKS32-16.HT	SC32-16	16	32	64	28,50 €
HKS32-20.HT	SC32-20	20	32	64	28,50 €
HKS32-25.HT	SC32-25	25	32	64	28,50 €

Hook Spanner

Chiave per forte serraggio



Code	Size	L	Range	Euro
64.182.20.HT	C20	214	50-55	12,00 €
64.182.25.HT	C25	214	56-61	13,00 €
64.182.32.HT	C32	235	68-73	16,10 €

Technical Information Recommended Torque Values

Informazioni tecniche Valori di coppia consigliati

Hydraulic Chuck (Heavy Duty Power) : Metric Series Forza di chiusura per mandrini Idraulici HEAVY DUTY

Holder Size	Tool Shank Dia. & Tolerance	Minimum Clamping Depth (mm)	Maximum Safe Transferable Torque (Nm)
HC 12S	Ø 12.0 h6	41	110 Nm
HC 20S	Ø 20.0 h6	45	520 Nm
HC 32S	Ø 32.0 h6	54	900 Nm

Hydraulic Chuck (H): Metric Series Forza di chiusura per mandrini Idraulici standard

Holder Size	Tool Shank Dia. & Tolerance	Minimum Clamping Depth (mm)	Maximum Safe Transferable Torque (Nm)
HC 06	Ø 6.0 h6	33	16 Nm
HC 08	Ø 8.0 h6	33	23 Nm
HC 10	Ø 10.0 h6	37	45 Nm
HC 12	Ø 12.0 h6	41	90 Nm
HC 14	Ø 14.0 h6	41	110 Nm
HC 16	Ø 16.0 h6	44	185 Nm
HC 18	Ø 18.0 h6	45	240 Nm
HC 20	Ø 20.0 h6	45	330 Nm
HC 25	Ø 25.0 h6	48	450 Nm
HC 32	Ø 32.0 h6	54	650 Nm

Hydraulic Expansion Chuck : Slim 3 Degree Series Forza di chiusura delle pinze su mandrini Idraulici SLIM 3°

Holder Size	Tool Shank Dia. & Tolerance	Minimum Clamping Depth mm	Maximum Safe Transferable Torque Nm
HC 03	Ø 3.0 h6	12	3
HC 04	Ø 4.0 h6	16	6
HC 05	Ø 5.0 h6	20	10
HC 06	Ø 6.0 h6	33	20
HC 08	Ø 8.0 h6	33	35
HC 10	Ø 10.0 h6	37	65
HC 12	Ø 12.0 h6	41	110
HC 14	Ø 14.0 h6	41	120
HC 16	Ø 16.0 h6	44	160
HC 18	Ø 18.0 h6	45	200
HC 20	Ø 20.0 h6	45	260
HC 25	Ø 25.0 h6	48	380

ERRECI
SISTEMI PER PRODURRE

Präzisions-Spannwerkzeuge

HIGH PRECISION TOOLHOLDERS

La tecnologia dei Mandrini !



Distributore di zona:

