

H-25

La tecnologia dei Mandrini !



PRÄZISIONS-SPANNWERKZEUGE HIGH PRECISION TOOLHOLDERS

ERRECI

SISTEMI PER PRODURRE



KATALOG CATALOGUE

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



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
- Cylindrical Shank Hydraulic Expansion Chuck/Prolunghe Idrauliche
- Collets/Pinze
- Tool Holder Locking Device /Smonta coni
- Shrink fit machines/ Macchine a calettare
- Tool Holder Cleaning Device/Macchina lava coni
- Chip remover/ventola pulisci trucioli
- Technical/tecnica

Sezione DIN 69871 da pagina 04 a pagina 21

Sezione JIS B 6339 MAS BT da pagina 22 a pagina 39

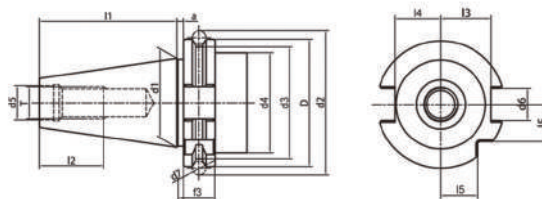
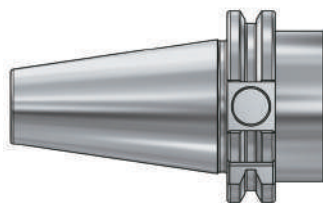
Sezione DIN 69893 da pagina 40 a pagina 54

Sezione Macchine e Accessori da pagina 55 a pagina 69

Sezione TECNICA da pagina 69 a pagina 70

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 m

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

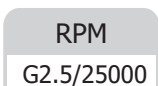
Cooling:/Raffreddamento: AD AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



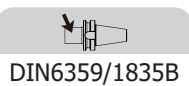
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



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



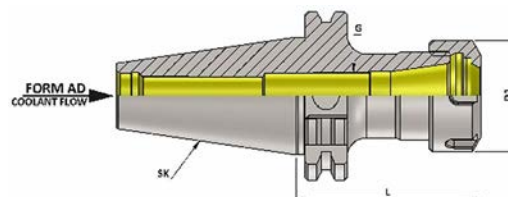
Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

Mandrino ER



 DIN6499	 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 € 

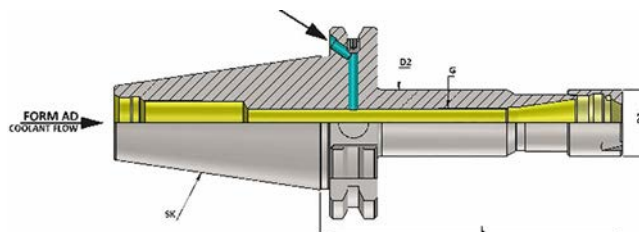
SK30 / SK50 disponibili in 20 giorni 
AD/B disponibile in 5 giorni 

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 

High Speed SKS Collet Chuck

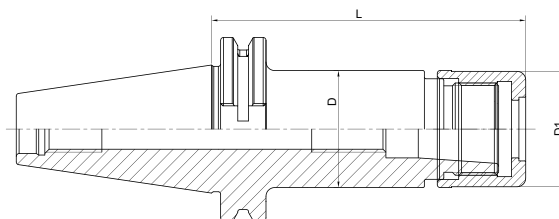
Mandrino SKS Alta velocità



A ↗
≤0.003

RPM
G2.5/25000

AD



Code	Size	Capacity	L	D	D1	Euro
402.03.10.HT	SK40-SKS10-60	2-10	60	27.5	27.1	102,00 €
402.03.10.1.HT	SK40-SKS10-90	2-10	90	27.5	27.1	109,70 €
402.03.10.2.HT	SK40-SKS10-120	2-10	120	27.5	27.1	117,30 €
402.03.16.HT	SK40-SKS16-60	3-16	60	40.6	40	103,70 €
402.03.16.1.HT	SK40-SKS16-90	3-16	90	40.6	40	111,40 €
402.03.16.2.HT	SK40-SKS16-120	3-16	120	40.6	40	119,00 €

SK50 disponibili in 20 giorni

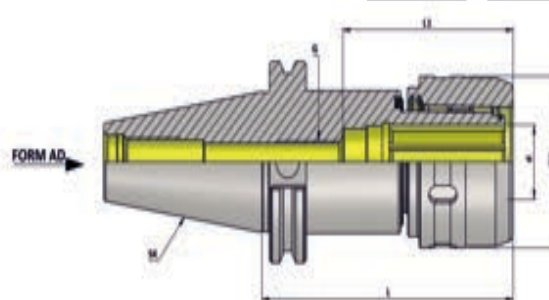
Power Milling Chuck

Mandrino Forte Serraggio



A ↗
≤0.008

AD

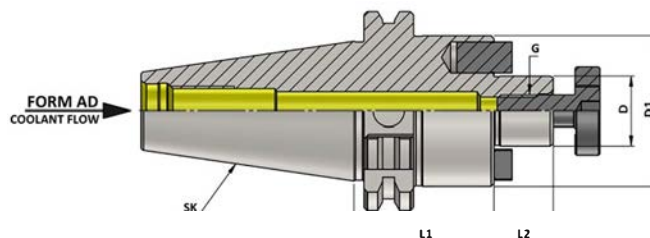
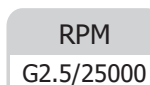
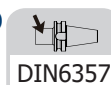


Code	Size	Capacity	d	D	L	Euro
403.64.20.S.HT	SK40-HC20-85	3-16 20	20	50	85	204,30 €
403.64.25.S.HT	SK40-HC25-100	3-20 25	25	59	100	209,70 €
403.64.32.S.HT	SK40-HC32-105	3-25 32	32	72	105	215,10 €

SK50 disponibili in 5 giorni

Face Mill Holder

Mandrino Porta frese a trascinamento



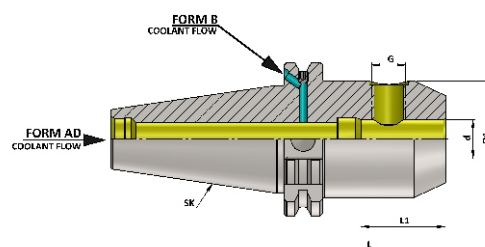
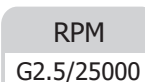
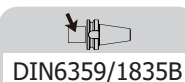
Code	Size	d	D	L	L2	G	Euro
402.11.16.HT	SK40-FMH16-45	16	38	45	17	M8	67,20 €
402.11.22.HT	SK40-FMH22-45	22	48	45	19	M10	67,90 €
402.11.27.HT	SK40-FMH27-50	27	58	50	21	M12	67,90 €
402.11.32.HT	SK40-FMH32-55	32	78	55	24	M16	72,10 €
402.11.16.1.HT	SK40-FMH16-100	16	38	100	17	M8	74,80 €
402.11.22.1.HT	SK40-FMH22-100	22	48	100	19	M10	75,50 €
402.11.27.1.HT	SK40-FMH27-100	27	58	100	21	M12	77,50 €
402.11.32.1.HT	SK40-FMH32-100	32	78	100	24	M16	86,60 €

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)



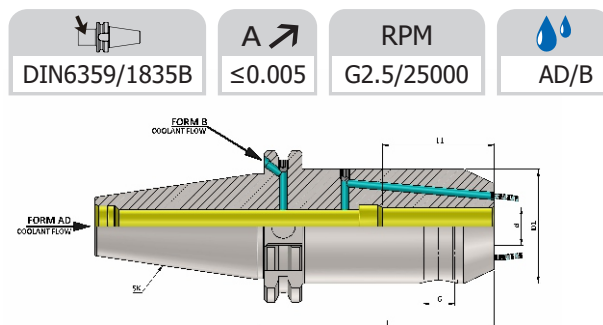
Code	Size	d	D	L	M	Screw Quantity	Euro	
403.04.06.HT	SK40 WE06 050	6	25	50	M6	1	57,50 €	●
403.04.08.HT	SK40 WE08 050	8	28	50	M8	1	54,70 €	●
403.04.10.HT	SK40 WE10 063	10	35	50	M10	1	54,80 €	●
403.04.12.HT	SK40 WE12 063	12	42	50	M12	1	54,80 €	●
403.04.16.HT	SK40 WE16 063	16	48	63	M14	1	54,80 €	●
403.04.20.HT	SK40 WE20 063	20	52	63	M16	1	54,80 €	●
403.04.25.HT	SK40 WE25 100	25	56	100	M18	2	63,80 €	●
403.04.32.HT	SK40 WE32 100	32	60	100	M20	2	66,20 €	●
403.04.40.HT	SK40 WE40 115	40	80	115	M20	2	86,00 €	●
403.04.06.1.HT	SK40 WE06 100	6	25	100	M6	1	68,50 €	●
403.04.08.1.HT	SK40 WE08 100	8	28	100	M8	1	63,80 €	●
403.04.10.1.HT	SK40 WE10 100	10	35	100	M10	1	63,80 €	●
403.04.12.1.HT	SK40 WE12 100	12	42	100	M12	1	63,80 €	●
403.04.16.1.HT	SK40 WE16 100	16	48	100	M14	1	63,80 €	●
403.04.20.1.HT	SK40 WE20 100	20	52	100	M16	1	63,80 €	●
403.04.25.1.HT	SK40 WE25 130	32	56	130	M18	2	119,30 €	●
403.04.32.1.HT	SK40 WE32 130	25	60	130	M20	2	128,90 €	●

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	67,90 €	●
403.04.08.K.HT	SK40 WE08 050 K	8	28	-	M8	50	34	-	1	65,10 €	●
403.04.10.K.HT	SK40 WE10 050 K	10	35	-	M10	50	40	-	1	65,10 €	●
403.04.12.K.HT	SK40 WE12 050 K	12	42	-	M12	50	46	-	1	65,10 €	●
403.04.16.K.HT	SK40 WE16 063 K	16	48	-	M14	63	48	-	1	67,90 €	●
403.04.20.K.HT	SK40 WE20 063 K	20	52	-	M16	63	52	-	1	67,90 €	●
403.04.06.1.K.HT	SK40 WE06 100 K	6	25	36	M6	100	34	40	1	82,40 €	●
403.04.08.1.K.HT	SK40 WE08 100 K	8	28	38	M8	100	34	40	1	79,70 €	●
403.04.10.1.K.HT	SK40 WE10 100 K	10	35	40	M10	100	40	40	1	79,70 €	●
403.04.12.1.K.HT	SK40 WE12 100 K	12	42	-	M12	100	46	-	1	79,70 €	●
403.04.16.1.K.HT	SK40 WE16 100 K	16	48	-	M14	100	48	-	1	86,00 €	●
403.04.20.1.K.HT	SK40 WE20 100 K	20	52	-	M16	100	52	-	1	86,00 €	●
403.04.06.2.K.HT	SK40 WE06 130 K	6	25	36	M6	130	34	50	1	127,80 €	●
403.04.08.2.K.HT	SK40 WE08 130 K	8	28	40	M8	130	34	50	1	125,30 €	●
403.04.10.2.K.HT	SK40 WE10 130 K	10	35	40	M10	130	40	50	1	125,30 €	●
403.04.12.2.K.HT	SK40 WE12 130 K	12	42	-	M12	130	46	-	1	125,30 €	●
403.04.16.2.K.HT	SK40 WE16 130 K	16	48	-	M14	130	48	-	1	125,30 €	●
403.04.20.2.K.HT	SK40 WE20 130 K	20	52	-	M16	130	52	-	1	125,30 €	●
403.04.06.3.K.HT	SK40 WE06 160 K	6	25	36	M6	160	34	80	1	154,20 €	●
403.04.08.3.K.HT	SK40 WE08 160 K	8	28	40	M8	160	34	80	1	143,00 €	●
403.04.10.3.K.HT	SK40 WE10 160 K	10	35	40	M10	160	40	80	1	143,00 €	●
403.04.12.3.K.HT	SK40 WE12 160 K	12	42	-	M12	160	46	-	1	143,00 €	●
403.04.16.3.K.HT	SK40 WE16 160 K	16	48	-	M14	160	48	-	1	143,00 €	●
403.04.20.3.K.HT	SK40 WE20 160 K	20	52	-	M16	160	52	-	1	143,00 €	●

SK50 disponibili in 5 giorni

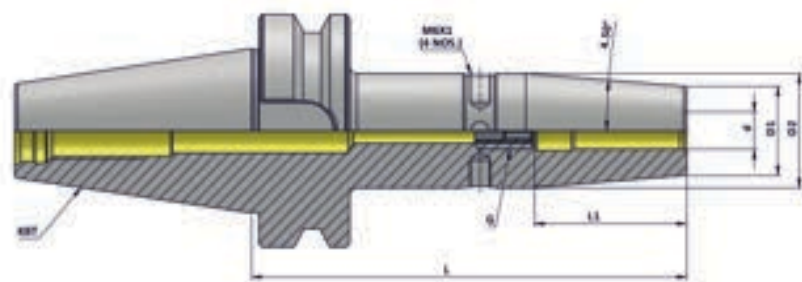


Shrink Fit Chuck, 4.5°, Standard AD

Mandrino a Calettare 4,5° AD



FORM AD



A ↗
≤0.003

RPM
G2.5/25000

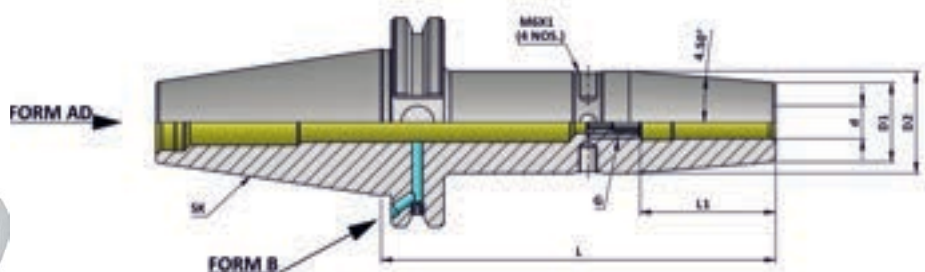
AD

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

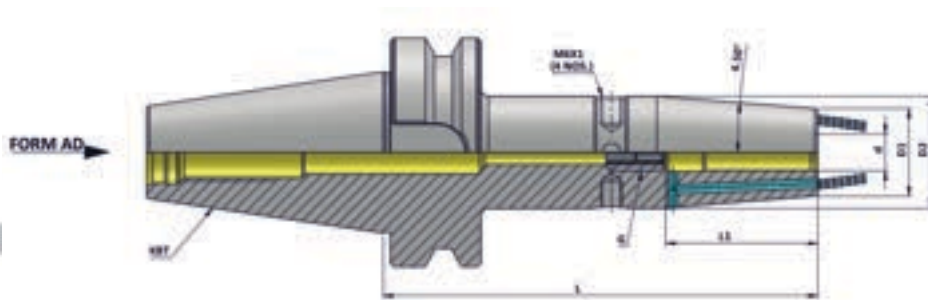
AD/B

Code	Size	d	D	D1	L	L2	L1	G	Euro
403.70.03.HT	SK40-SF03-80	3	10	20	80	60.9	12	—	170,50 €
403.70.04.HT	SK40-SF04-80	4	15	22	80	60.9	14	—	166,10 €
403.70.06.HT	SK40-SF06-80	6	21	27	80	60.9	36	M5	117,60 €
403.70.08.HT	SK40-SF08-80	8	21	27	80	60.9	36	M6	117,60 €
403.70.10.HT	SK40-SF10-80	10	24	31	80	60.9	41	M8	117,60 €
403.70.12.HT	SK40-SF12-80	12	24	31	80	60.9	46	M10	117,60 €
403.70.16.HT	SK40-SF16-80	16	27	34	80	60.9	49	M12	117,60 €
403.70.20.HT	SK40-SF20-80	20	33	40	80	60.9	51	M16	117,60 €
403.70.03.1.HT	SK40-SF03-120	3	10	20	120	100.9	12	—	193,30 €
403.70.04.1.HT	SK40-SF04-120	4	15	22	120	100.9	14	—	188,90 €
403.70.06.1.HT	SK40-SF06-120	6	21	27	120	100.9	36	M5	167,60 €
403.70.08.1.HT	SK40-SF08-120	8	21	27	120	100.9	36	M6	167,60 €
403.70.10.1.HT	SK40-SF10-120	10	24	31	120	100.9	41	M8	167,60 €
403.70.12.1.HT	SK40-SF12-120	12	24	31	120	100.9	46	M10	167,60 €
403.70.16.1.HT	SK40-SF16-120	16	27	34	120	100.9	49	M12	167,60 €
403.70.20.1.HT	SK40-SF20-120	20	33	40	120	100.9	51	M16	167,60 €

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

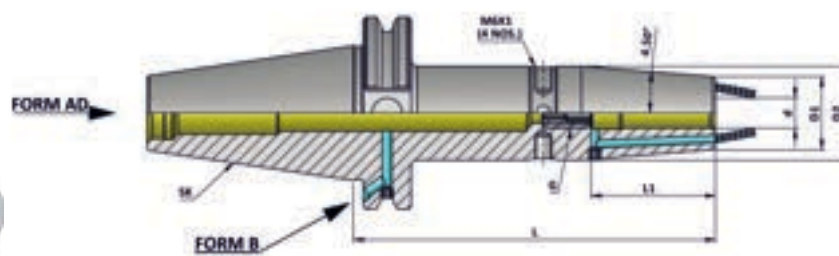
Shrink Fit Chuck, 4.5°, Coolant AD/AF (AD/B)

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	-	202,90 €
403.70.04.K.HT	SK40-SF04-80K	4	15	22	80	60.9	14	-	198,50 €
403.70.06.K.HT	SK40-SF06-80K	6	21	27	80	60.9	36	M5	149,90 €
403.70.08.K.HT	SK40-SF08-80K	8	21	27	80	60.9	36	M6	149,90 €
403.70.10.K.HT	SK40-SF10-80K	10	24	31	80	60.9	41	M8x1	149,90 €
403.70.12.K.HT	SK40-SF12-80K	12	24	31	80	60.9	46	M10x1	149,90 €
403.70.16.K.HT	SK40-SF16-80K	16	27	34	80	60.9	49	M12x1	149,90 €
403.70.20.K.HT	SK40-SF20-80K	20	33	40	80	60.9	51	M16x1	149,90 €
403.70.03.1.K.HT	SK40-SF03-120K	3	10	20	120	100.9	12	-	225,60 €
403.70.04.1.K.HT	SK40-SF04-120K	4	15	22	120	100.9	14	-	221,20 €
403.70.06.1.K.HT	SK40-SF06-120K	6	21	27	120	100.9	36	M5	199,90 €
403.70.08.1.K.HT	SK40-SF08-120K	8	21	27	120	100.9	36	M6	199,90 €
403.70.10.1.K.HT	SK40-SF10-120K	10	24	31	120	100.9	41	M8x1	199,90 €
403.70.12.1.K.HT	SK40-SF12-120K	12	24	31	120	100.9	46	M10x1	199,90 €
403.70.16.1.K.HT	SK40-SF16-120K	16	27	34	120	100.9	49	M12x1	199,90 €
403.70.20.1.K.HT	SK40-SF20-120K	20	33	40	120	100.9	51	M16x1	199,90 €

Lunghezze 160mm Disponibile in 20 giorni

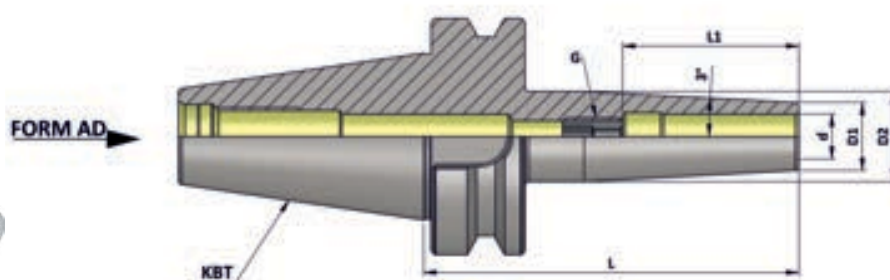
Shrink Fit Chuck, Series SLIM 3°AD

Mandrino a Calettare, SLIM 3° AD

A ↗
≤0.003

RPM
G2.5/25000

AD

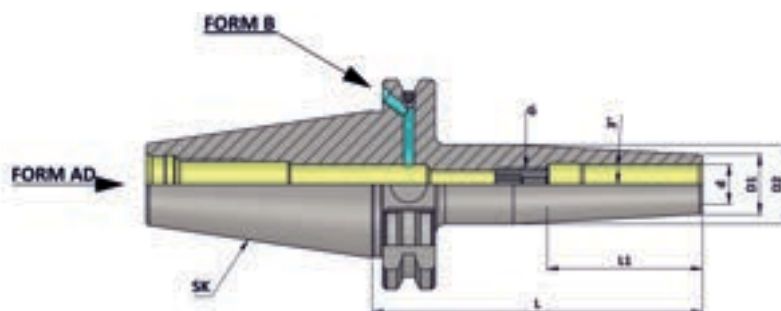


Code	Size	d	D	D1	L	L1	G	Euro
402.72.03.HT	SK40-SFS03-80	3	9	16.1	80	-	-	129,20 € 
402.72.04.HT	SK40-SFS04-80	4	10	17.1	80	-	-	100,10 € 
402.72.06.HT	SK40-SFS06-80	6	12	19.1	80	36	M5	86,10 € 
402.72.08.HT	SK40-SFS08-80	8	14	21.1	80	36	M6	86,10 € 
402.72.10.HT	SK40-SFS10-80	10	16	23.1	80	42	M8x1	86,10 € 
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 € 

Lunghezze 160mm Disponibile in 5 giorni 

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

AD/B



Code	Size	d	D	D1	L	L1	G	Euro	
403.72.03.HT	SK40-SFS03-80	3	9	14	80	12	—	185,20 €	●
403.72.04.HT	SK40-SFS04-80	4	10	15	80	14	—	180,80 €	●
403.72.06.HT	SK40-SFS06-80	6	12	17	80	36	M5	132,30 €	●
403.72.08.HT	SK40-SFS08-80	8	14	19	80	36	M6	132,30 €	●
403.72.10.HT	SK40-SFS10-80	10	16	21	80	41	M8	132,30 €	●
403.72.12.HT	SK40-SFS12-80	12	18	23	80	46	M10	132,30 €	●
403.72.16.HT	SK40-SFS16-80	16	22	28	80	49	M12	132,30 €	●
403.72.03.1.HT	SK40-SFS03-120	3	9	18	120	12	—	208,00 €	●
403.72.04.1.HT	SK40-SFS04-120	4	10	19	120	14	—	203,60 €	●
403.72.06.1.HT	SK40-SFS06-120	6	12	21	120	36	M5	182,30 €	●
403.72.08.1.HT	SK40-SFS08-120	8	14	23	120	36	M6	182,30 €	●
403.72.10.1.HT	SK40-SFS10-120	10	16	25	120	41	M8	182,30 €	●
403.72.12.1.HT	SK40-SFS12-120	12	18	27	120	46	M10	182,30 €	●
403.72.16.1.HT	SK40-SFS16-120	16	22	31	120	49	M12	182,30 €	●

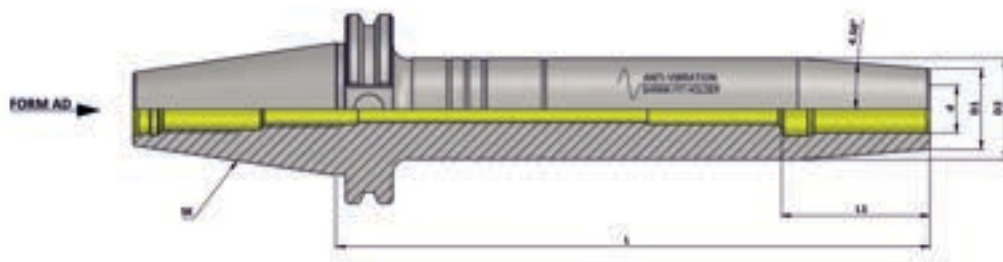
Lunghezze 160mm Disponibile in 5 giorni ●

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	589,30 €
403.75.16.1.HT	SK40 SFH16 250 AD/AV	16	27	34	250	49	806,00 €
403.75.16.2.HT	SK40 SFH16 300 AD/AV	16	27	34	300	49	949,50 €
403.75.20.HT	SK40 SFH20 200 AD/AV	20	33	40	200	51	589,30 €
403.75.20.1.HT	SK40 SFH20 250 AD/AV	20	33	40	250	51	806,00 €
403.75.20.2.HT	SK40 SFH20 300 AD/AV	20	33	40	300	51	949,50 €
403.75.25.HT	SK40 SFH25 200 AD/AV	25	44	53	200	57	589,30 €
403.75.25.1.HT	SK40 SFH25 250 AD/AV	25	44	53	250	57	806,00 €
403.75.25.2.HT	SK40 SFH25 300 AD/AV	25	44	53	300	57	949,50 €
403.75.32.HT	SK40 SFH32 200 AD/AV	32	44	53	200	61	589,30 €
403.75.32.1.HT	SK40 SFH32 250 AD/AV	32	44	53	250	61	806,00 €
403.75.32.2.HT	SK40 SFH32 300 AD/AV	32	44	53	300	61	949,50 €



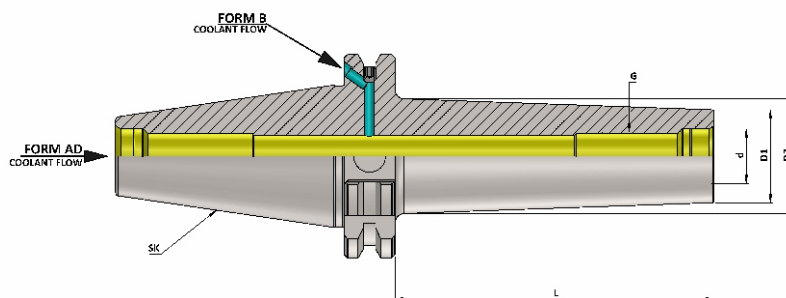
Milling Cutter Arbor (AD+B)(AD/AF)

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

A ↗
≤0.003

RPM
G2.5/25000

AD/B



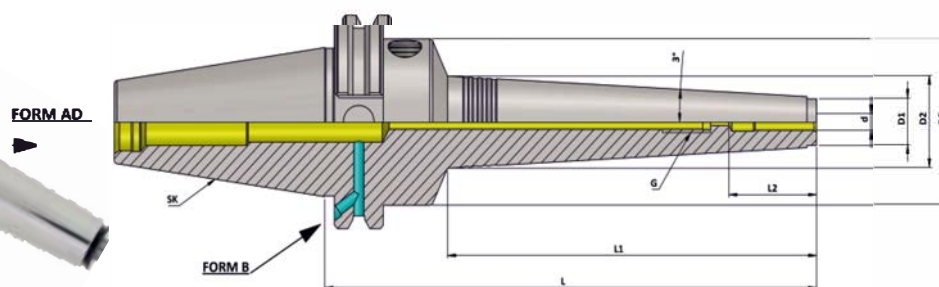
Code	Size	d	D1	D2	G	L	Euro
403.06.06.HT	SK40 MCA06 025	6.5	10	13	M6	25	124,00 €
403.06.06.1.HT	SK40 MCA06 050	6.5	10	20	M6	50	143,00 €
403.06.06.2.HT	SK40 MCA06 075	6.5	10	23	M6	75	150,50 €
403.06.08.HT	SK40 MCA08 025	8.5	13	15	M8	25	122,90 €
403.06.08.1.HT	SK40 MCA08 050	8.5	13	23	M8	50	143,30 €
403.06.08.2.HT	SK40 MCA08 075	8.5	13	23	M8	75	156,50 €
403.06.08.3.HT	SK40 MCA08 100	8.5	13	25	M8	100	169,70 €
403.06.10.HT	SK40 MCA10 025	10.5	18	20	M10	25	130,40 €
403.06.10.1.HT	SK40 MCA10 050	10.5	18	23	M10	50	135,60 €
403.06.10.2.HT	SK40 MCA10 075	10.5	18	28	M10	75	156,50 €
403.06.10.3.HT	SK40 MCA10 100	10.5	18	32	M10	100	174,50 €
403.06.12.HT	SK40 MCA12 025	12.5	21	24	M12	25	130,80 €
403.06.12.1.HT	SK40 MCA12 050	12.5	21	24	M12	50	140,70 €
403.06.12.2.HT	SK40 MCA12 075	12.5	21	31	M12	75	156,50 €
403.06.12.3.HT	SK40 MCA12 100	12.5	21	33	M12	100	162,40 €
403.06.12.4.HT	SK40 MCA12 125	12.5	21	36	M12	125	197,40 €
403.06.16.HT	SK40 MCA16 025	17.0	29	29	M16	25	135,60 €
403.06.16.1.HT	SK40 MCA16 050	17.0	29	34	M16	50	143,00 €
403.06.16.2.HT	SK40 MCA16 075	17.0	29	34	M16	75	156,50 €
403.06.16.3.HT	SK40 MCA16 100	17.0	29	36	M16	100	166,90 €
403.06.16.4.HT	SK40 MCA16 125	17.0	29	40	M16	125	209,30 €
403.06.16.5.HT	SK40 MCA16 150	17.0	29	42.5	M16	150	209,20 €

Hydraulic Expansion Chuck SLIM 3° AD/AF

Mandrino Idraulico SLIM 3° AD/AF

A ↗
≤0.003RPM
G2.5/25000

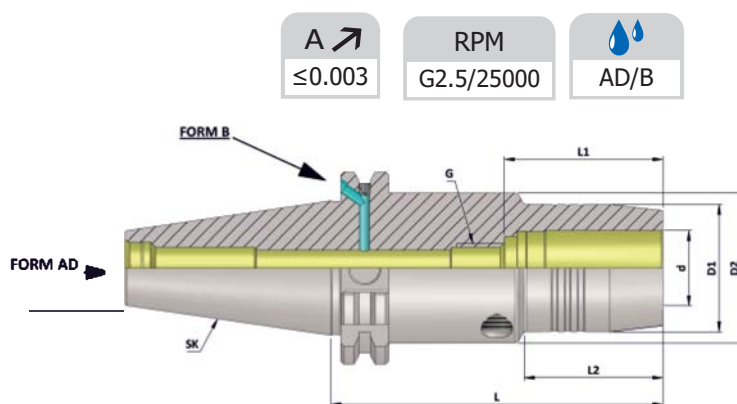
AD/AF



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	510,70 €
403.H03.090.SL.HT	SK40 H03 090 SLIM	3	11	14.9	46	-	90	37	28	510,70 €
403.H03.135.SL.HT	SK40 H03 135 SLIM	3	11	19.9	46	-	135	84	28	528,90 €
403.H04.075.SL.HT	SK40 H04 075 SLIM	4	11	14.0	46	-	75	28	28	510,70 €
403.H04.090.SL.HT	SK40 H04 090 SLIM	4	11	14.9	46	-	90	37	28	510,70 €
403.H04.135.SL.HT	SK40 H04 135 SLIM	4	11	19.9	46	-	135	84	28	528,90 €
403.H06.090.SL.HT	SK40 H06 090 SLIM	6	13	17.0	46	M5	90	38	37	456,00 €
403.H06.135.SL.HT	SK40 H06 135 SLIM	6	13	21.9	46	M5	135	84	37	474,10 €
403.H06.150.SL.HT	SK40 H06 150 SLIM	6	13	23.4	46	M5	150	99	37	521,60 €
403.H06.165.SL.HT	SK40 H06 165 SLIM	6	13	25.0	46	M5	165	114	37	592,70 €
403.H06.180.SL.HT	SK40 H06 180 SLIM	6	13	26.7	46	M5	180	130	37	656,60 €
403.H08.090.SL.HT	SK40 H08 090 SLIM	8	15	19.0	46	M6	90	38	37	456,00 €
403.H08.135.SL.HT	SK40 H08 135 SLIM	8	15	23.9	46	M6	135	84	37	474,10 €
403.H08.150.SL.HT	SK40 H08 150 SLIM	8	15	25.4	46	M6	150	99	37	521,60 €
403.H08.165.SL.HT	SK40 H08 165 SLIM	8	15	27.0	46	M6	165	114	37	592,70 €
403.H08.180.SL.HT	SK40 H08 180 SLIM	8	15	28.7	46	M6	180	130	37	656,60 €
403.H10.105.SL.HT	SK40 H10 105 SLIM	10	17	22.6	46	MS	105	53	41	456,00 €
403.H10.135.SL.HT	SK40 H10 135 SLIM	10	17	25.9	46	MS	135	84	41	474,10 €
403.H10.150.SL.HT	SK40 H10 150 SLIM	10	17	27.4	46	MS	150	99	41	521,60 €
403.H10.165.SL.HT	SK40 H10 165 SLIM	10	17	29.0	46	MS	165	114	41	592,70 €
403.H10.180.SL.HT	SK40 H10 180 SLIM	10	17	30.7	46	MS	180	130	41	656,60 €
403.H12.105.SL.HT	SK40 H12 105 SLIM	12	19	24.6	46	MS	105	53	46	456,00 €
403.H12.135.SL.HT	SK40 H12 135 SLIM	12	19	27.9	46	MS	135	84	46	474,10 €
403.H12.150.SL.HT	SK40 H12 150 SLIM	12	19	29.4	46	MS	150	99	46	521,60 €
403.H12.165.SL.HT	SK40 H12 165 SLIM	12	19	31.0	46	MS	165	114	46	592,70 €
403.H12.180.SL.HT	SK40 H12 180 SLIM	12	19	32.7	46	MS	180	130	46	656,60 €
403.H16.135.SL.HT	SK40 H16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	474,10 €
403.H16.165.SL.HT	SK40 H16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	592,70 €
403.H16.180.SL.HT	SK40 H16 180 SLIM	16	23	36.6	52.5	M12	180	129	49	656,60 €
403.H20.135.SL.HT	SK40 H20 135 SLIM	20	28	36.9	60	M16	135	84	51	474,10 €
403.H20.165.SL.HT	SK40 H20 165 SLIM	20	28	40.0	60	M16	165	114	51	592,70 €
403.H20.180.SL.HT	SK40 H20 180 SLIM	20	28	41.6	60	M16	180	129	51	656,60 €

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	284,90 €
403.H.06.110.HT	SK40 H06 110	6	26	49.5	M5	110	37	29	452,60 €
403.H.08.80.5.HT	SK40 H08 80.5	8	28	49.5	M6	80.5	37	30	279,00 €
403.H.08.110.HT	SK40 H08 110	8	28	49.5	M6	110	37	30	452,60 €
403.H.10.80.5.HT	SK40 H10 80.5	10	30	49.5	MB	80.5	41	35	279,00 €
403.H.10.110.HT	SK40 H10 110	10	30	49.5	MB	110	41	35	452,60 €
403.H.12.80.5.HT	SK40 H12 80.5	12	32	49.5	M10	80.5	46	40	279,00 €
403.H.12.110.HT	SK40 H12 110	12	32	49.5	M10	110	46	40	452,60 €
403.H.14.80.5.HT	SK40 H14 80.5	14	34	49.5	M10	80.5	46	40	279,00 €
403.H.14.110.HT	SK40 H14 110	14	34	49.5	M10	110	46	40	452,60 €
403.H.16.80.5.HT	SK40 H16 80.5	16	38	49.5	M12	80.5	49	45	279,00 €
403.H.16.110.HT	SK40 H16 110	16	38	49.5	M12	110	49	45	452,60 €
403.H.18.80.5.HT	SK40 H18 80.5	18	40	49.5	M12	80.5	49	46	279,00 €
403.H.18.110.HT	SK40 H18 110	18	40	49.5	M12	110	49	46	452,60 €
403.H.20.80.5.HT	SK40 H20 80.5	20	42	49.5	M16	80.5	51	47	279,00 €
403.H.20.110.HT	SK40 H20 110	20	42	49.5	M16	110	51	47	452,60 €
403.H.25.095.HT	SK40 H25 095	25	55	63	M16	95	57	28	279,00 €
403.H.25.110.HT	SK40 H25 110	25	55	63	M16	110	57	28	491,80 €
403.H.32.095.HT	SK40 H32 095	32	63	70	M16	95	61	25.5	279,00 €
403.H.32.110.HT	SK40 H32 110	32	63	59	M16	110	61	59	491,80 €

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 €

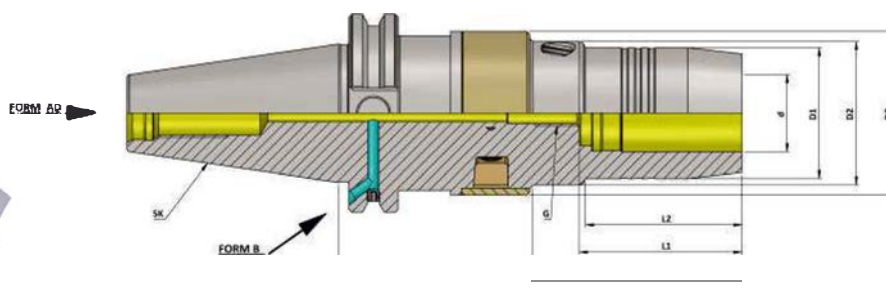
Hydraulic Expansion Chuck with "Run Out" adjustment

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	693,00 €
403.H32.RA.HT	SK40 H32 150	32	42	46	52.5	MB	150	51	50	67.5	820,70 €
503.H20.RA.HT	SK50 H20 110	20	42	46	52.5	MB	110	51	50	67.5	820,70 €
503.H32.RA.HT	SK50 H32 125	32	42	46	52.5	MB	125	51	50	67.5	911,90 €

Hydraulic Expansion Chuck Heavy Duty power AD/AF

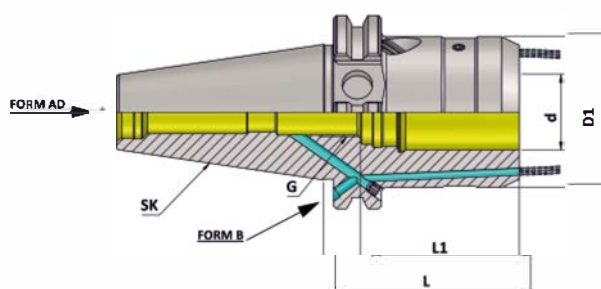
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD/AF

A ↗
≤0.003

RPM
G2.5/25000

AD/B



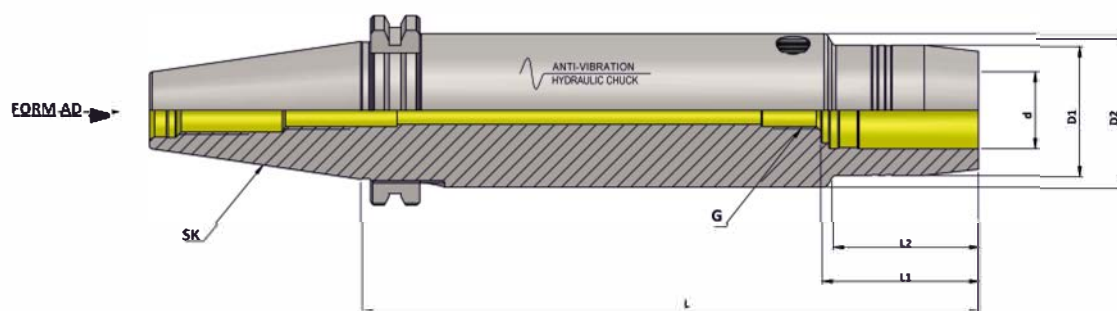
Code	Description	d	D1	G	L	L1	Euro
403.H12.HD.HT	SK40 H12S 050 FCC	12	42	M10	50	40	248,00 €
403.H20.HD.HT	SK40 H20S 64.5 FCC	20	50	M10	64.5	42	248,00 €
503.H12.HD.HT	SK50 H12S 50.5 FCC	12	42	M10	50.5	40	266,90 €
503.H20.HD.HT	SK50 H20S 64.5 FCC	20	50	M16	64.5	42	266,90 €
503.H32.HD.HT	SK50 H32S 81.0 FCC	32	72	M16	81	55	278,80 €

Hydraulic Expansion Chuck Anti - Vibration AD

Mandrino Idraulico Anti - vibrante AD

A ↗
≤0.003

AD

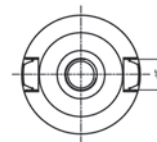
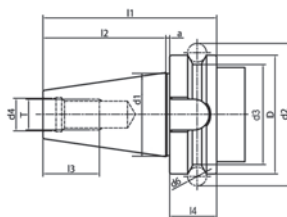
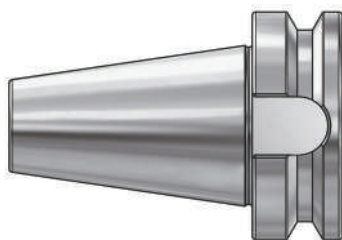


Code	Description	d	D1	D2	G	L	L1	L2	Euro
403.H20 200.AV.HT	SK40 H20 200 AD/AV	20	42	49.5	M16	200	51	47	984,70 €
403.H20 250.AV.HT	SK40 H20 250 AD/AV	20	42	49.5	M16	250	51	47	1.294,70 €
403.H20 300.AV.HT	SK40 H20 300 AD/AV	20	42	49.5	M16	300	51	47	1.477,20 €
403.H25 200.AV.HT	SK40 H25 200 AD/AV	25	52	55	M16	200	57	50	1.030,40 €
403.H25 250.AV.HT	SK40 H25 250 AD/AV	25	52	55	M16	250	57	50	1.340,40 €
403.H25 300.AV.HT	SK40 H25 300 AD/AV	25	52	55	M16	300	57	50	1.522,70 €
403.H32 200.AV.HT	SK40 H32 200 AD/AV	32	62	63	M16	200	61	48	1.076,00 €
403.H32 250.AV.HT	SK40 H32 250 AD/AV	32	62	63	M16	250	61	48	1.386,00 €
403.H32 300.AV.HT	SK40 H32 300 AD/AV	32	62	63	M16	300	61	48	1.568,30 €



BT Taper Standard

Cono BT standard



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

Taper standard/Standard cono: JIS B 6339 MAS BT

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

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

Taper tolerance/Tolleranza conica AT3

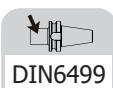
Hardness/Durezza HRC 56-60

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

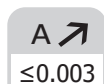
Surface Roughness/Rugosità superficiale Ra 0,2 m

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

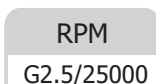
Cooling:/Raffreddamento: AD AD/B



Socket type according to DIN6499
tipologia di presa secondo DIN6499



Run Out less than 0.003
Run Out inferiore a 0.003



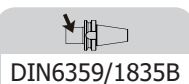
Balance G2.5/ 25,000 rpm
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication
Lubrificazione AD



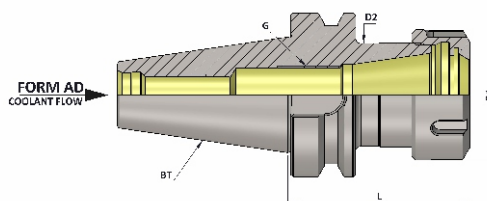
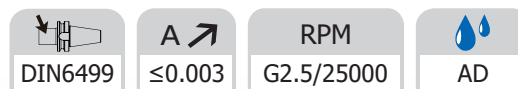
Lubrication (AD/B) AD/AF
Lubrificazione (AD/B) AD/AF



Socket type according to DIN6359
tipologia di presa secondo DIN6359

ER Collet Chuck

Mandrino ER

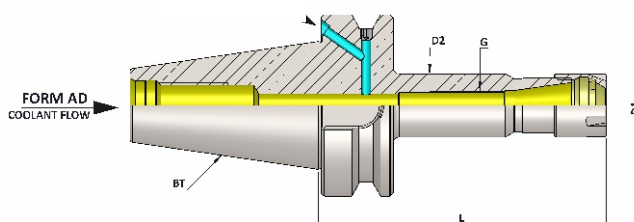


Code	Size	D	D1	L	Capacity	Euro
405.02.10.HT	BT40-ER16-70	28	32	70	1-10	49,50 €
405.02.16.HT	BT40-ER25-70	42	42	70	2-16	49,50 €
405.02.20.HT	BT40-ER32-70	50	50	70	2-20	51,30 €
405.02.26.HT	BT40-ER40-80	50	63	80	3-26	54,00 €
405.02.10.1.HT	BT40-ER16-100	28	32	100	1-10	54,90 €
405.02.16.1.HT	BT40-ER25-100	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 
 AD/B disponibile in 5 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 €

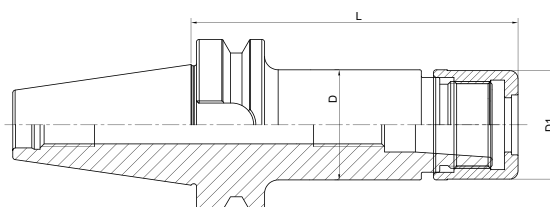
BT50 disponibili in 20 giorni 

High Speed SKS Collet Chuck

Mandrino SKS Alta Velocità



A ↗ ≤0.003	RPM G2.5/25000	AD
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Code	Size	D	D1	L	Capacity	M	Euro
405.03.10.HT	BT40-SKS10-60	27.5	27.1	60	2-10	M21.5*1	103,30 €
405.03.10.1.HT	BT40-SKS10-90	27.5	27.1	90	2-10	M21.5*1	111,50 €
405.03.10.2.HT	BT40-SKS10-120	27.5	27.1	120	2-10	M21.5*1	118,90 €
405.03.16.HT	BT40-SKS16-90	40.6	40	90	3-16	M32*1.5	105,80 €
405.03.16.1.HT	BT40-SKS16-90	40.6	40	90	3-16	M32*1.5	113,20 €
405.03.16.2.HT	BT40-SKS16-120	40.6	40	120	3-16	M32*1.5	120,50 €

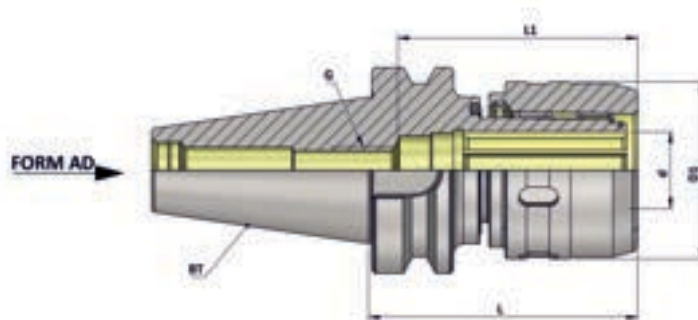
BT50 disponibili in 20 giorni

Power Milling Chuck

Mandrino Forte Serraggio



A ↗ ≤0.008	AD
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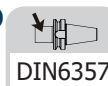


Code	Size	d	D	L	Capacity	Euro
406.64.20.S.HT	BT40-HC20-90	20	50	90	3-16 20	204,30 €
403.64.25.S.HT	BT40-HC25-100	25	59	100	3-20 25	209,70 €
403.64.32.S.HT	BT40-HC32-90	32	72	90	3-25 32	215,10 €

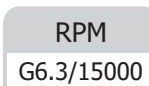
BT50 disponibili in 20 giorni

Face Mill Holder

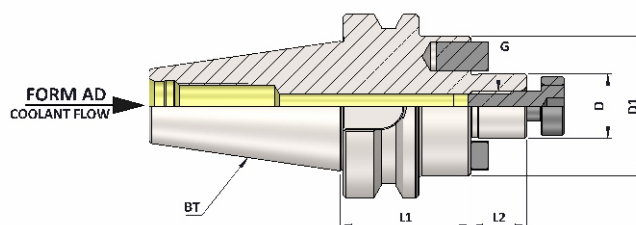
Mandrino Porta frese a trascinamento



DIN6357

 ≤ 0.005 RPM
G6.3/15000

AD

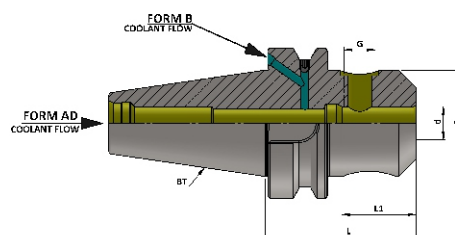


Code	Size	d	D	L	H	M	Euro	
405.11.16.HT	BT40-FMB16-45	16	38	45	17	M8	67,10 €	●
405.11.22.HT	BT40-FMB22-45	22	48	45	19	M10	67,80 €	●
405.11.27.HT	BT40-FMB27-45	27	58	45	21	M12	67,80 €	●
405.11.32.HT	BT40-FMB32-50	32	78	50	24	M16	72,30 €	●
405.11.16.1.HT	BT40-FMB16-100	16	38	100	17	M8	71,50 €	●
405.11.22.1.HT	BT40-FMB22-100	22	48	100	19	M10	70,80 €	●
405.11.27.1.HT	BT40-FMB27-100	27	58	100	21	M12	75,20 €	●
405.11.32.1.HT	BT40-FMB32-100	32	78	100	24	M16	87,20 €	●

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	G2.5/25000	AD/B



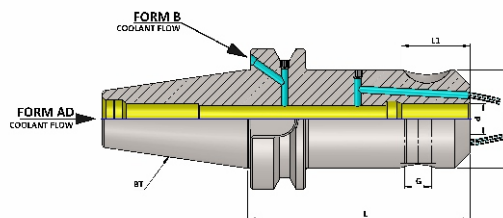
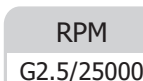
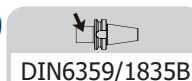
Code	Size	d	D	L	M	Screw Quantity	Euro	
406.04.06.HT	BT40-SLA06-50	6	25	50	M6	1	58,10 €	
406.04.08.HT	BT40-SLA08-50	8	28	50	M8	1	55,40 €	
406.04.10.HT	BT40-SLA10-63	10	35	63	M10	1	55,40 €	
406.04.12.HT	BT40-SLA12-63	12	42	63	M12	1	55,40 €	
406.04.16.HT	BT40-SLA16-63	16	48	63	M14	1	55,40 €	
406.04.20.HT	BT40-SLA20-63	20	52	63	M16	1	55,40 €	
406.04.25.HT	BT40-SLA25-90	25	65	90	M18	2	62,30 €	
406.04.32.HT	BT40-SLA32-100	32	72	100	M20	2	67,90 €	
406.04.40.HT	BT40-SLA40-105	40	80	105	M20	2	74,50 €	
06.04.06.1.HT	BT40-SLA06-100	6	25	100	M6	1	68,50 €	
406.04.08.1.HT	BT40-SLA08-100	8	28	100	M8	1	64,80 €	
406.04.10.1.HT	BT40-SLA10-100	10	35	100	M10	1	64,40 €	
406.04.12.1.HT	BT40-SLA12-100	12	42	100	M12	1	64,40 €	
406.04.16.1.HT	BT40-SLA16-100	16	48	100	M14	1	64,40 €	
406.04.20.1.HT	BT40-SLA20-100	20	52	100	M16	1	64,40 €	
406.04.25.1.HT	BT40-SLA25-130	25	65	130	M18	2	137,80 €	
406.04.32.1.HT	BT40-SLA32-130	32	72	130	M20	2	144,80 €	

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)

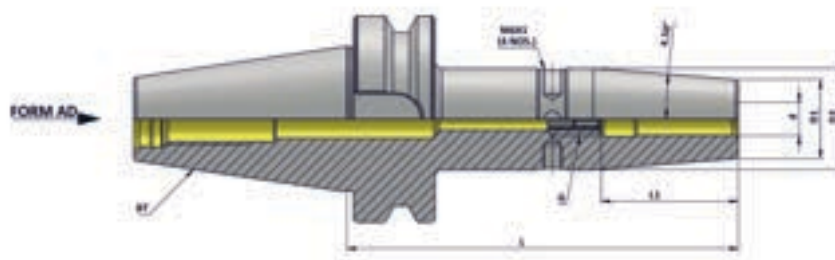


Code	Size	d	D1	D2	G	L	L1	L2	Screw Q.ty	Euro	
406.04.06.K.HT	BT40 WE06 050 K	6	25	-	M6	50	34	-	1	67,90 €	●
406.04.08.K.HT	BT40 WE08 050 K	8	28	-	M8	50	34	-	1	65,10 €	●
406.04.10.K.HT	BT40 WE10 063 K	10	35	-	M10	50	40	-	1	65,10 €	●
406.04.12.K.HT	BT40 WE12 063 K	12	42	-	M12	50	46	-	1	65,10 €	●
406.04.16.K.HT	BT40 WE16 063 K	16	48	-	M14	63	48	-	1	67,90 €	●
406.04.20.K.HT	BT40 WE20 063 K	20	52	-	M16	63	52	-	1	67,90 €	●
406.04.06.1.K.HT	BT40 WE06 100 K	6	25	36	M6	100	34	40	1	82,40 €	●
406.04.08.1.K.HT	BT40 WE08 100 K	8	28	38	M8	100	34	40	1	79,70 €	●
406.04.10.1.K.HT	BT40 WE10 100 K	10	35	40	M10	100	40	40	1	79,70 €	●
406.04.12.1.K.HT	BT40 WE12 100 K	12	42	-	M12	100	46	-	1	79,70 €	●
406.04.16.1.K.HT	BT40 WE16 100 K	16	48	-	M14	100	48	-	1	86,00 €	●
406.04.20.1.K.HT	BT40 WE20 100 K	20	52	-	M16	100	52	-	1	86,00 €	●
406.04.06.2.K.HT	BT40 WE06 130 K	6	25	36	M6	130	34	50	1	127,80 €	●
406.04.08.1.K.HT	BT40 WE08 130 K	8	28	40	M8	130	34	50	1	125,30 €	●
406.04.10.2.K.HT	BT40 WE10 130 K	10	35	40	M10	130	40	50	1	125,30 €	●
406.04.12.2.K.HT	BT40 WE12 130 K	12	42	-	M12	130	46	-	1	125,30 €	●
406.04.16.2.K.HT	BT40 WE16 130 K	16	48	-	M14	130	48	-	1	125,30 €	●
406.04.20.2.K.HT	BT40 WE20 130 K	20	52	-	M16	130	52	-	1	125,30 €	●
406.04.06.3.K.HT	BT40 WE06 160 K	6	25	36	M6	160	34	80	1	154,20 €	●
406.04.08.3.K.HT	BT40 WE08 160 K	8	28	40	M8	160	34	80	1	143,00 €	●
406.04.10.3.K.HT	BT40 WE10 160 K	10	35	40	M10	160	40	80	1	143,00 €	●
406.04.12.3.K.HT	BT40 WE12 160 K	12	42	-	M12	160	46	-	1	143,00 €	●
406.04.16.3.K.HT	BT40 WE16 160 K	16	48	-	M14	160	48	-	1	143,00 €	●
406.04.20.3.K.HT	BT40 WE20 160 K	20	52	-	M16	160	52	-	1	143,00 €	●

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

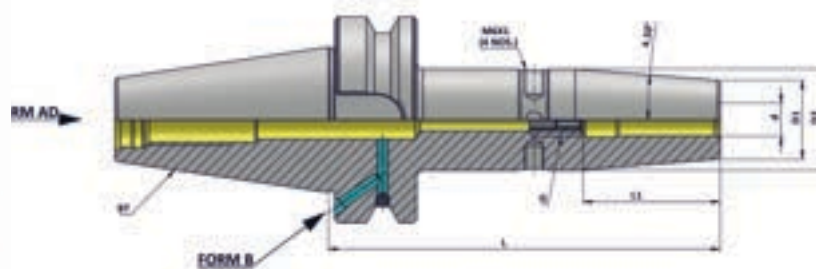


Code	Size	d	D1	D2	L	L1	G	Euro	
405.70.03.HT	BT40-SF03-80	3	15	20	80	12	-	129,20 €	🇮🇹
405.70.04.HT	BT40-SF04-80	4	15	20	80	14	-	100,10 €	🇮🇹
405.70.06.HT	BT40-SF06-90	6	21	27	90	36	M5	86,10 €	🇮🇹
405.70.08.HT	BT40-SF08-90	8	21	27	90	36	M6	86,10 €	🇮🇹
405.70.10.HT	BT40-SF10-90	10	24	31	90	41	M8x1	86,10 €	🇮🇹
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

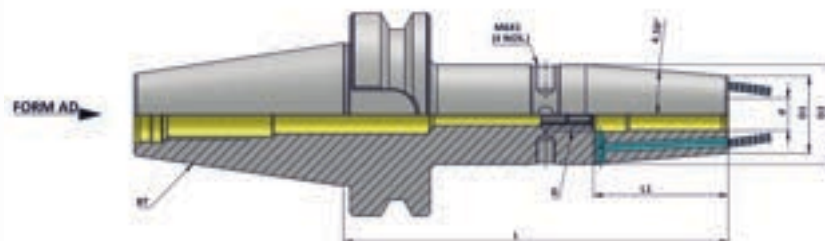


Code	Size	d	D1	D2	L	L1	G	Euro	
406.70.03.HT	BT40 SFH03 090 AD+B	3	10	20	90	12	-	178,60 €	●
406.70.04.HT	BT40 SFH04 090 AD+B	4	15	22	90	14	-	172,70 €	●
406.70.06.HT	BT40 SFH06 090 AD+B	6	21	27	90	36	M5	152,90 €	●
406.70.08.HT	BT40 SFH08 090 AD+B	8	21	27	90	36	M6	152,90 €	●
406.70.10.HT	BT40 SFH10 090 AD+B	10	24	31	90	41	M8x1	152,90 €	●
406.70.12.HT	BT40 SFH12 090 AD+B	12	24	31	90	46	M10x1	152,90 €	●
406.70.16.HT	BT40 SFH16 090 AD+B	16	27	34	90	49	M12x1	152,90 €	●
406.70.20.HT	BT40 SFH20 090 AD+B	20	33	40	90	51	M16x1	152,90 €	●
406.70.03.1.HT	BT40 SFH03 120 AD+B	3	10	20	120	12	-	204,30 €	●
406.70.04.1.HT	BT40 SFH04 120 AD+B	4	15	22	120	14	-	199,90 €	●
406.70.06.1.HT	BT40 SFH06 120 AD+B	6	21	27	120	36	M5	177,90 €	●
406.70.08.1.HT	BT40 SFH08 120 AD+B	8	21	27	120	36	M6	177,90 €	●
406.70.10.1.HT	BT40 SFH10 120 AD+B	10	24	32	120	41	M8x1	177,90 €	●
406.70.12.1.HT	BT40 SFH12 120 AD+B	12	24	32	120	46	M10x1	177,90 €	●
406.70.16.1.HT	BT40 SFH16 120 AD+B	16	27	34	120	49	M12x1	177,90 €	●
406.70.20.1.HT	BT40 SFH20 120 AD+B	20	33	42	120	51	M16x1	177,90 €	●

Lunghezza 160mm e 200mm disponibile in 20 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

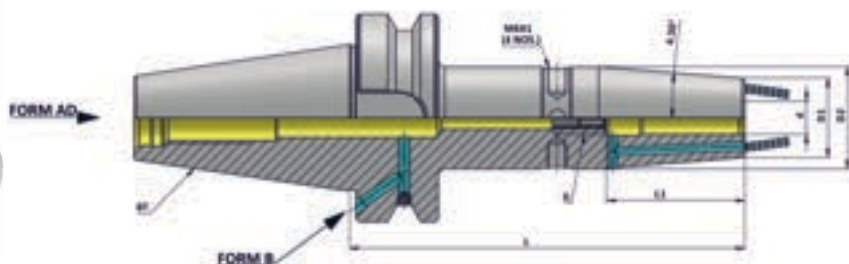


Code	Size	d	D	D1	L	L2	L1	N	G	Euro	
405.70.03.K.HT	BT40-SF03-80K	3	15	20	80	53	-	-	-	172,20 €	🇮🇹
405.70.04.K.HT	BT40-SF04-80K	4	15	20	80	53	-	-	-	143,20 €	🇮🇹
405.70.06.K.HT	BT40-SF06-90K	6	21	27	90	63	36	10	M5	115,20 €	🇮🇹
405.70.08.K.HT	BT40-SF08-90K	8	21	27	90	63	36	10	M6	115,20 €	🇮🇹
405.70.10.K.HT	BT40-SF10-90K	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	-	-	210,90 €	●
406.70.04.K.HT	BT40 SFH04 090 FCC AD+B	4	15	20	80	53	-	-	205,10 €	●
406.70.06.K.HT	BT40 SFH06 090 FCC AD+B	6	21	27	90	63	36	M5	185,20 €	●
406.70.08.K.HT	BT40 SFH08 090 FCC AD+B	8	21	27	90	63	36	M6	185,20 €	●
406.70.10.K.HT	BT40 SFH10 090 FCC AD+B	10	24	32	90	63	42	M8x1	185,20 €	●
406.70.12.K.HT	BT40 SFH12 090 FCC AD+B	12	24	32	90	63	47	M10x1	185,20 €	●
406.70.16.K.HT	BT40 SFH16 090 FCC AD+B	16	27	34	90	63	50	M12x1	185,20 €	●
406.70.20.K.HT	BT40 SFH20 090 FCC AD+B	20	33	42	90	63	52	M16x1	185,20 €	●
406.70.03.1.K.HT	BT40 SFH03 120 FCC AD+B	3	15	20	120	53	-	-	236,70 €	●
406.70.04.1.K.HT	BT40 SFH04 120 FCC AD+B	4	15	20	120	53	-	-	232,30 €	●
406.70.06.1.K.HT	BT40 SFH06 120 FCC AD+B	6	21	27	120	93	36	M5	210,20 €	●
406.70.08.1.K.HT	BT40 SFH08 120 FCC AD+B	8	21	27	120	93	36	M6	210,20 €	●
406.70.10.1.K.HT	BT40 SFH10 120 FCC AD+B	10	24	32	120	93	42	M8x1	210,20 €	●
406.70.12.1.K.HT	BT40 SFH12 120 FCC AD+B	12	24	32	120	93	47	M10x1	210,20 €	●
406.70.16.1.K.HT	BT40 SFH16 120 FCC AD+B	16	27	34	120	93	50	M12x1	210,20 €	●
406.70.20.1.K.HT	BT40 SFH20 120 FCC AD+B	20	33	42	120	93	52	M16x1	210,20 €	●

Lunghezza 160mm e 200mm disponibile in 20 giorni ●

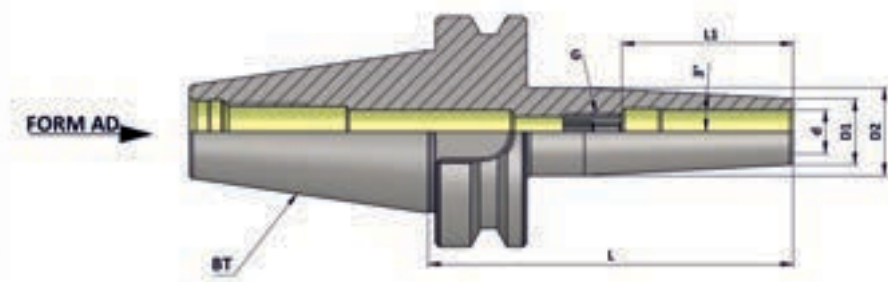
Shrink Fit Chuck, Slim, 3°,AD

Mandrino a Calettare SLIM 3°,AD

A ↗
≤0.003

RPM
G2.5/25000

AD

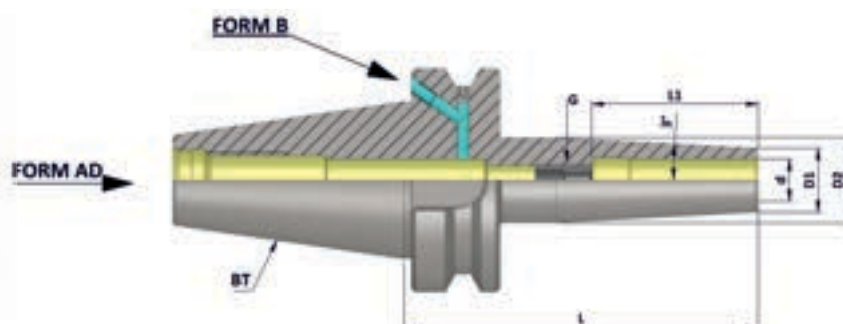


Code	Size	d	D1	D2	L	L1	G	Euro
405.72.03.HT	BT40-SFS03-90	3	9	15.3	90	-	-	129,20 €
405.72.04.HT	BT40-SFS04-90	4	10	16.3	90	-	-	100,10 €
405.72.06.HT	BT40-SFS06-90	6	12	18.3	90	36	M5	86,10 €
405.72.08.HT	BT40-SFS08-90	8	14	20.3	90	36	M6	86,10 €
405.72.10.HT	BT40-SFS10-90	10	16	22.3	90	42	M8x1	86,10 €
405.72.12.HT	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 Chuck, Slim, 3° AD/AF**Mandrino a Calettare SLIM 3°,AD/AF**A ↗
≤0.003RPM
G2.5/25000

AD/B



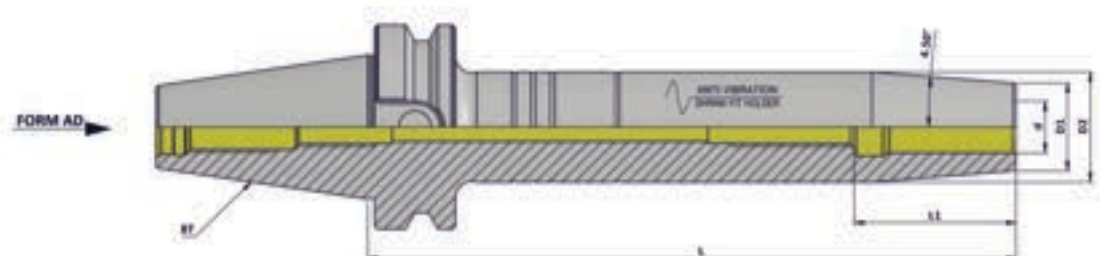
Code	Size	d	D1	D2	L	L1	G	Euro
406.72.03.HT	BT40 SFH03 090 SLIM AD+B	3	9	15	90	12	-	193,30 €
406.72.04.HT	BT40 SFH04 090 SLIM AD+B	4	10	16	90	14	-	187,40 €
406.72.06.HT	BT40 SFH06 090 SLIM AD+B	6	12	18	90	36	M5	167,60 €
406.72.08.HT	BT40 SFH08 090 SLIM AD+B	8	14	20	90	36	M6	167,60 €
406.72.10.HT	BT40 SFH10 090 SLIM AD+B	10	16	22	90	41	M8x1	167,60 €
406.72.12.HT	BT40 SFH12 090 SLIM AD+B	12	18	24	90	46	M10x1	167,60 €
406.72.16.HT	BT40 SFH16 090 SLIM AD+B	16	22	28	90	50	M12x1	167,60 €
406.72.03.1.HT	BT40 SFH03 120 SLIM AD+B	3	9	18	120	12	-	219,00 €
406.72.04.1.HT	BT40 SFH04 120 SLIM AD+B	4	10	19	120	14	-	214,60 €
406.72.06.1.HT	BT40 SFH06 120 SLIM AD+B	6	12	21	120	36	M5	192,60 €
406.72.08.1.HT	BT40 SFH08 120 SLIM AD+B	8	14	23	120	36	M6	192,60 €
406.72.10.1.HT	BT40 SFH10 120 SLIM AD+B	10	16	25	120	41	M8x1	192,60 €
406.72.12.1.HT	BT40 SFH12 120 SLIM AD+B	12	18	27	120	46	M10x1	192,60 €
406.72.16.1.HT	BT40 SFH16 120 SLIM AD+B	16	22	31	120	50	M12x1	192,60 €

Lunghezza 160mm 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	589,30 €
406.75.16.1.HT	SK40 SFH16 250 AD/AV	16	27	34	250	49	806,00 €
406.75.16.2.HT	SK40 SFH16 300 AD/AV	16	27	34	300	49	949,50 €
406.75.20.HT	SK40 SFH20 200 AD/AV	20	33	40	200	51	589,30 €
406.75.20.1.HT	SK40 SFH20 250 AD/AV	20	33	40	250	51	806,00 €
406.75.20.2.HT	SK40 SFH20 300 AD/AV	20	33	40	300	51	949,50 €
406.75.25.HT	SK40 SFH25 200 AD/AV	25	44	53	200	57	589,30 €
406.75.25.1.HT	SK40 SFH25 250 AD/AV	25	44	53	250	57	806,00 €
406.75.25.2.HT	SK40 SFH25 300 AD/AV	25	44	53	300	57	949,50 €
406.75.32.HT	SK40 SFH32 200 AD/AV	32	44	53	200	61	589,30 €
406.75.32.1.HT	SK40 SFH32 250 AD/AV	32	44	53	250	61	806,00 €
406.75.32.2.HT	SK40 SFH32 300 AD/AV	32	44	53	300	61	949,50 €



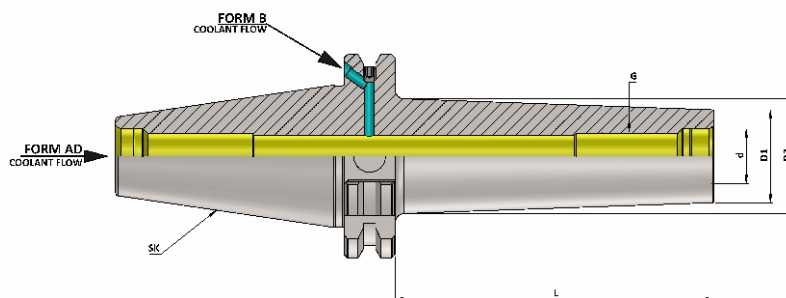
Milling Cutter Arbor AD/AF

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	124,00 €
406.06.06.1.HT	BT40 MCA06 050 AD+B	6.5	10	20	M6	50	143,00 €
406.06.06.2.HT	BT40 MCA06 075 AD+B	6.5	10	23	M6	75	150,50 €
406.06.08.HT	BT40 MCA08 025 AD+B	8.5	13	15	M8	25	122,90 €
406.06.08.1.HT	BT40 MCA08 050 AD+B	8.5	13	23	M8	50	143,30 €
406.06.08.2.HT	BT40 MCA08 075 AD+B	8.5	13	23	M8	75	156,50 €
406.06.08.3.HT	BT40 MCA08 100 AD+B	8.5	13	25	M8	100	169,70 €
406.06.10.HT	BT40 MCA10 025 AD+B	10.5	18	20	M10	25	130,40 €
406.06.10.1.HT	BT40 MCA10 050 AD+B	10.5	18	23	M10	50	135,60 €
406.06.10.2.HT	BT40 MCA10 075 AD+B	10.5	18	28	M10	75	156,50 €
406.06.10.3.HT	BT40 MCA10 100 AD+B	10.5	18	32	M10	100	174,50 €
406.06.12.HT	BT40 MCA12 025 AD+B	12.5	21	24	M12	25	130,80 €
406.06.12.1.HT	BT40 MCA12 050 AD+B	12.5	21	24	M12	50	140,70 €
406.06.12.2.HT	BT40 MCA12 075 AD+B	12.5	21	31	M12	75	156,50 €
406.06.12.3.HT	BT40 MCA12 100 AD+B	12.5	21	33	M12	100	162,40 €
406.06.12.4.HT	BT40 MCA12 125 AD+B	12.5	21	36	M12	125	197,40 €
406.06.12.HT	BT40 MCA16 025 AD+B	17.0	29	29	M16	25	135,60 €
406.06.16.1.HT	BT40 MCA16 050 AD+B	17.0	29	34	M16	50	143,00 €
406.06.16.2.HT	BT40 MCA16 075 AD+B	17.0	29	34	M16	75	156,50 €
406.06.16.3.HT	BT40 MCA16 100 AD+B	17.0	29	36	M16	100	166,90 €
406.06.16.4.HT	BT40 MCA16 125 AD+B	17.0	29	40	M16	125	209,30 €
406.06.16.5.HT	BT40 MCA16 150 AD+B	17.0	29	42.5	M16	150	209,20 €

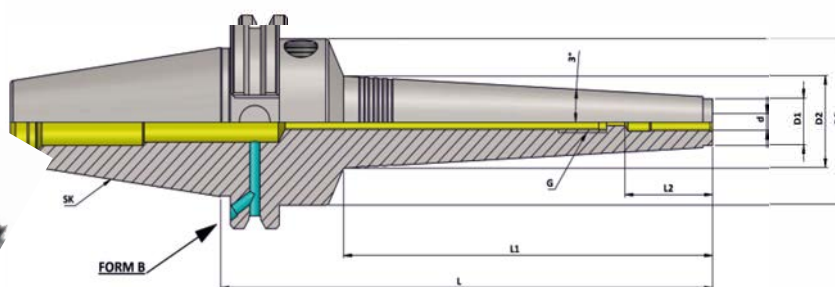
Hydraulic Expansion Chuck SLIM 3° AD/AF

Mandrino Idraulico SLIM 3° AD/AF

A ↗
≤0.003

RPM
G2.5/25000

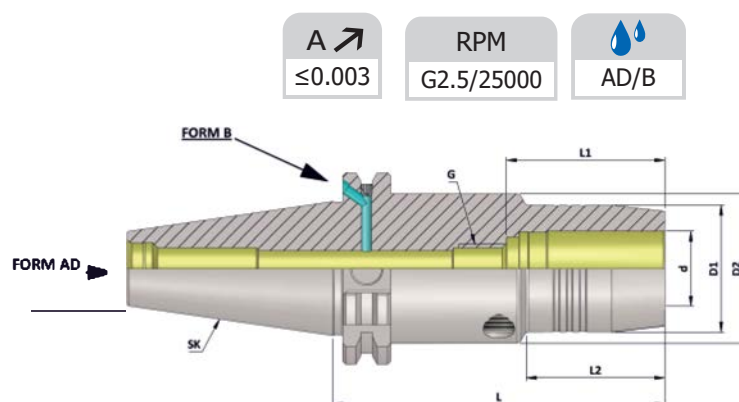
AD/F



Code	Description	d	D1	D2	D3	G	L	L1	L2	Euro
405.H03.075.SL.HT	BT40 H03 075 SLIM	3	11	14.0	46	-	75	28	28	510,70 €
405.H03.090.SL.HT	BT40 H03 090 SLIM	3	11	14.9	46	-	90	37	28	510,70 €
405.H03.135.SL.HT	BT 40 H03 135 SLIM	3	11	19.9	46	-	135	84	28	528,90 €
405.H04.075.SL.HT	BT40 H04 075 SLIM	4	11	14.0	46	-	75	28	28	510,70 €
405.H04.090.SL.HT	BT40 H04 090 SLIM	4	11	14.9	46	-	90	37	28	510,70 €
405.H04.135.SL.HT	BT40 H04 135 SLIM	4	11	19.9	46	-	135	84	28	528,90 €
405.H06.090.SL.HT	BT40 H06 090 SLIM	6	13	17.0	46	M5	90	38	37	456,00 €
405.H06.135.SL.HT	BT40 H06 135 SLIM	6	13	21.9	46	M5	135	84	37	474,10 €
405.H06.150.SL.HT	BT40 H06 150 SLIM	6	13	23.4	46	M5	150	99	37	521,60 €
405.H06.165.SL.HT	BT40 H06 165 SLIM	6	13	25.0	46	M5	165	114	37	592,70 €
405.H06.180.SL.HT	BT40 H06 180 SLIM	6	13	26.7	46	M5	180	130	37	656,60 €
405.H08.090.SL.HT	BT40 H08 090 SLIM	8	15	19.0	46	M6	90	38	37	456,00 €
405.H08.135.SL.HT	BT40 H08 135 SLIM	8	15	23.9	46	M6	135	84	37	474,10 €
405.H08.150.SL.HT	BT40 H08 150 SLIM	8	15	25.4	46	M6	150	99	37	521,60 €
405.H08.165.SL.HT	BT40 H08 165 SLIM	8	15	27.0	46	M6	165	114	37	592,70 €
405.H08.180.SL.HT	BT40 H08 180 SLIM	8	15	28.7	46	M6	180	130	37	656,60 €
405.H10.105.SL.HT	BT40 H10 105 SLIM	10	17	22.6	46	MS	105	53	41	456,00 €
405.H10.135.SL.HT	BT40 H10 135 SLIM	10	17	25.9	46	MS	135	84	41	474,10 €
405.H10.150.SL.HT	BT40 H10 150 SLIM	10	17	27.4	46	MS	150	99	41	521,60 €
405.H10.165.SL.HT	BT40 H10 165 SLIM	10	17	29.0	46	MS	165	114	41	592,70 €
405.H10.180.SL.HT	BT40 H10 180 SLIM	10	17	30.7	46	MS	180	130	41	656,60 €
405.H12.105.SL.HT	BT40 H12 105 SLIM	12	19	24.6	46	MS	105	53	46	456,00 €
405.H12.135.SL.HT	BT40 H12 135 SLIM	12	19	27.9	46	MS	135	84	46	474,10 €
405.H12.150.SL.HT	BT40 H12 150 SLIM	12	19	29.4	46	MS	150	99	46	521,60 €
405.H12.165.SL.HT	BT40 H12 165 SLIM	12	19	31.0	46	MS	165	114	46	592,70 €
405.H12.180.SL.HT	BT40 H12 180 SLIM	12	19	32.7	46	MS	180	130	46	656,60 €
405.H16.135.SL.HT	BT40 H16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	474,10 €
405.H16.165.SL.HT	BT40 H16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	592,70 €
405.H16.180.SL.HT	BT40 H16 180 SLIM	16	23	36.6	52.5	M12	180	129	49	656,60 €
405.H20.135.SL.HT	BT40 H20 135 SLIM	20	28	36.9	60	M16	135	84	51	474,10 €
405.H20.165.SL.HT	BT40 H20 165 SLIM	20	28	40.0	60	M16	165	114	51	592,70 €
405.H20.180.SL.HT	BT40 H20 180 SLIM	20	28	41.6	60	M16	180	129	51	656,60 €

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	284,90 €
405.H06.140.HT	BT40 HC06 140	6	26	49.5	M5	110	37	29	452,60 €
405.H08.090.HT	BT40 HC08 090	8	28	49.5	M6	80.5	37	30	279,00 €
405.H08.140.HT	BT40 HC08 140	8	28	49.5	M6	110	37	30	452,60 €
405.H10.090.HT	BT40 HC10 090	10	30	49.5	MB	80.5	41	35	279,00 €
405.H10.140.HT	BT40 HC10 140	10	30	49.5	MB	110	41	35	452,60 €
405.H12.090.HT	BT40 HC12 090	12	32	49.5	M10	80.5	46	40	279,00 €
405.H12.140.HT	BT40 HC12 140	12	32	49.5	M10	110	46	40	452,60 €
405.H14.090.HT	BT40 HC14 090	14	34	49.5	M10	80.5	46	40	279,00 €
405.H14.140.HT	BT40 HC14 140	14	34	49.5	M10	110	46	40	452,60 €
405.H16.090.HT	BT40 HC16 090	16	38	49.5	M12	80.5	49	45	279,00 €
405.H16.140.HT	BT40 HC16 140	16	38	49.5	M12	110	49	45	452,60 €
405.H18.090.HT	BT40 HC18 090	18	40	49.5	M12	80.5	49	46	279,00 €
405.H18.140.HT	BT40 HC18 140	18	40	49.5	M12	110	49	46	452,60 €
405.H20.090.HT	BT40 HC20 090	20	42	49.5	M16	80.5	51	47	279,00 €
405.H20.140.HT	BT40 HC20 140	20	42	49.5	M16	110	51	47	452,60 €
405.H25.090.HT	BT40 HC25 090	25	55	63	M16	95	57	28	279,00 €
405.H25.140.HT	BT40 HC25 140	25	55	63	M16	110	57	28	491,80 €
405.H32.090.HT	BT40 HC32 090	32	63	70	M16	95	61	25.5	279,00 €
405.H.32.140 .HT	BT40 HC32 140	32	63	59	M16	110	61	59	491,80 €

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 €

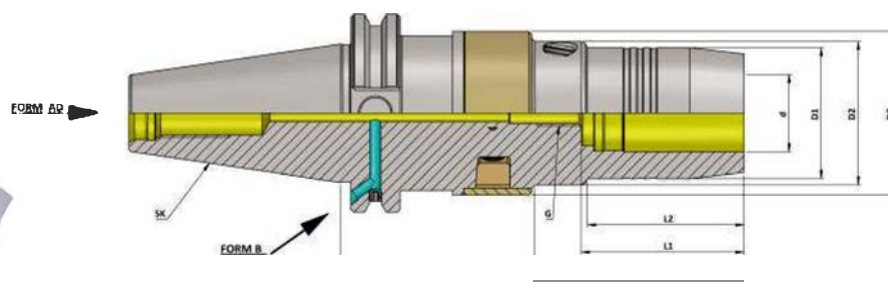
Hydraulic Expansion Chuck with "Run Out" adjustment

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	693,00 €
405.H32.RA.HT	BT40 HC32 140	32	42	46	52.5	MB	150	51	50	67.5	820,70 €
505.H20.RA.HT	BT50 HC20 130	20	42	46	52.5	MB	110	51	50	67.5	820,70 €
505.H32.RA.HT	BT50 HC32 150	32	42	46	52.5	MB	125	51	50	67.5	911,90 €

Hydraulic Expansion Chuck Heavy Duty power AD/AF

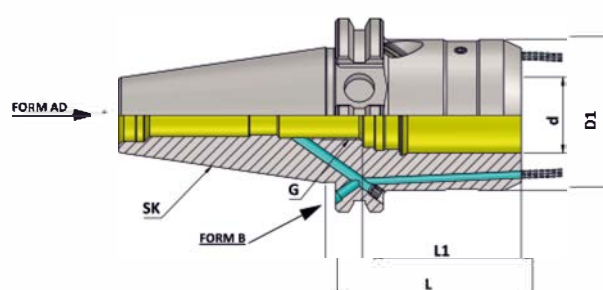
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD/AF

A ↗
≤0.003

RPM
G2.5/25000

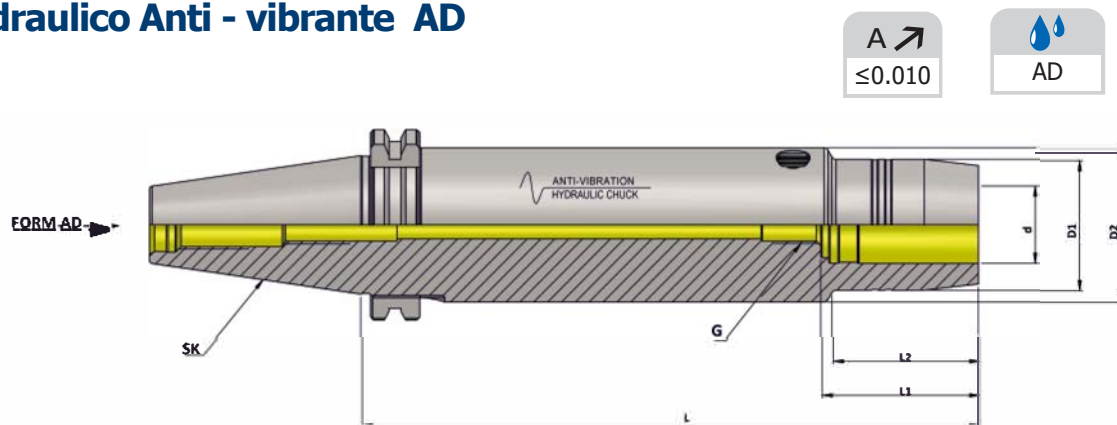
AD/B



Code	Description	ISO	d	D1	G	L	L1	Euro
305.H12.HD.HT	BT30 HC12S 069 FCC	30	12	42	M10	69	40	214,50 €
305.H20.HD.HT	BT30 HC20S 090 FCC	30	20	50	M16	90	42	214,50 €
405.H12.HD.HT	BT40 HC12S 058 FCC	40	12	42	M10	58	40	248,00 €
405.H20.HD.HT	BT40 HC20S 72.5 FCC	40	20	50	M16	72.5	42	248,00 €
505.H12.HD.HT	BT50 HC12S 069 FCC	50	12	42	M10	69	40	273,60 €
505.H20.HD.HT	BT50 HC20S 083 FCC	50	20	50	M16	83	42	273,60 €
505.H32.HD.HT	BT50 HC32S 090 FCC	50	32	72	M16	90	55	279,60 €

Hydraulic Expansion Chuck Anti - Vibration AD

Mandrino Idraulico Anti - vibrante AD



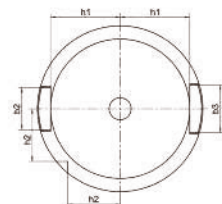
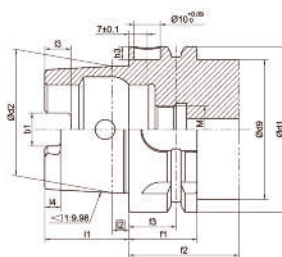
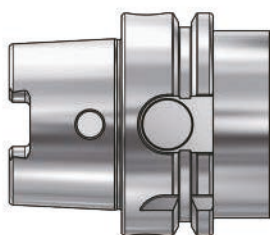
Code	Description	d	D1	D2	G	L	L1	L2	Euro
405.HC20 200.AV.HT	BT40 HC20 200 AD/AV	20	42	49.5	M16	200	51	47	984,70 €
405.HC20 250.AV.HT	BT40 HC20 250 AD/AV	20	42	49.5	M16	250	51	47	1.294,70 €
405.HC20 300.AV.HT	BT40 HC20 300 AD/AV	20	42	49.5	M16	300	51	47	1.477,20 €
405.HC25 200.AV.HT	BT40 HC25 200 AD/AV	25	52	55	M16	200	57	50	1.030,40 €
405.HC25 250.AV.HT	BT40 HC25 250 AD/AV	25	52	55	M16	250	57	50	1.340,40 €
405.HC25 300.AV.HT	BT40 HC25 300 AD/AV	25	52	55	M16	300	57	50	1.522,70 €
405.HC32 200.AV.HT	BT40 HC32 200 AD/AV	32	62	63	M16	200	61	48	1.076,00 €
405.HC32 250.AV.HT	BT40 HC32 250 AD/AV	32	62	63	M16	250	61	48	1.386,00 €
405.HC32 300.AV.HT	BT40 HC32 300 AD/AV	32	62	63	M16	300	61	48	1.568,30 €



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

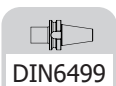
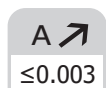
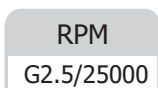
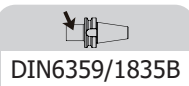
Taper tolerance/Tolleranza conica AT3

Hardness/Durezza HRC 56-60

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

Surface Roughness/Rugosità superficiale Ra 0,2 μm

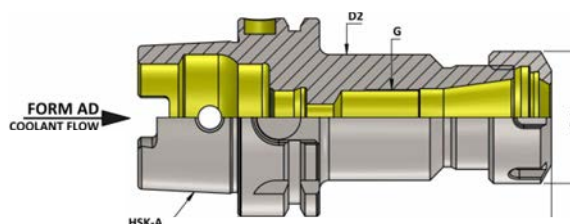
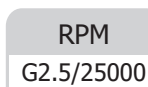
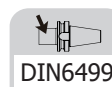
Balancing/Bilanciatura G6.3/15000 G2.5/25000

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

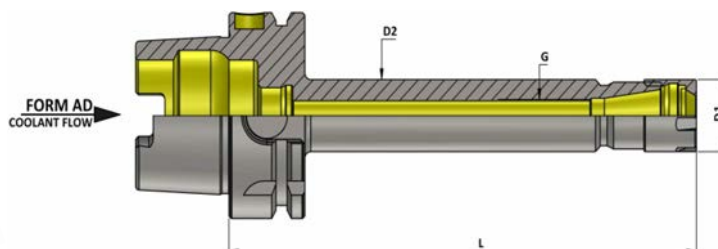
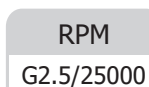
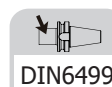


Code	Size	D1	D2	L1	Capacity	Euro	
A63.02.10.HT	HSK-A 63 ER 16 100	32	28	100	0.5-10	127,50 €	
A63.02.16.HT	HSK-A 63 ER 25 100	42	40	100	1.0-16	123,40 €	
A63.02.20.HT	HSK-A 63 ER 32 100	50	48	100	2.0-20	127,50 €	
A63.02.26.HT	HSK-A 63 ER 40 120	63	-	120	3.0-26	139,30 €	
A63.02.10.0.HT	HSK-A 63 ER 16 130	32	28	130	0.5-10	153,80 €	
A63.02.16.0.HT	HSK-A 63 ER 25 130	42	40	130	1.0-16	141,40 €	
A63.02.20.0.HT	HSK-A 63 ER 32 130	50	48	130	2.0-20	146,90 €	
A63.02.26.1.HT	HSK-A 63 ER 40 160	63	-	160	3.0-26	174,60 €	

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

High Speed SKS Collet Chuck

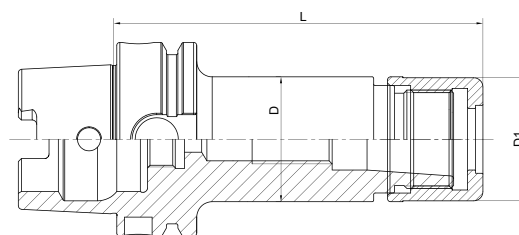
Mandrino SKS Alta Velocità



A ↗
≤0.003

RPM
G2.5/25000

AD



Code	Size	D	D1	L	Capacity	M	Euro	
A63.03.10.HT	HSK63A-SKS10-90	27.5	27.1	90	2-10	M21.5*1	114,70 €	
A63.03.10.2.HT	HSK63A-SKS10-120	27.5	27.1	120	2-10	M21.5*1	163,00 €	
A63.03.16.HT	HSK63A-SKS16-90	40.6	40	90	3-16	M32*1.5	120,90 €	
A63.03.16.2.HT	HSK63A-SKS16-120	40.6	40	120	3-16	M32*1.5	163,00 €	

HSK100 disponibili in 20 giorni

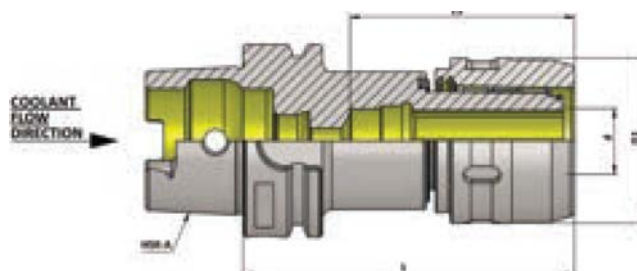
Power Milling Chuck

Mandrino Forte Serraggio



A ↗
≤0.008

AD

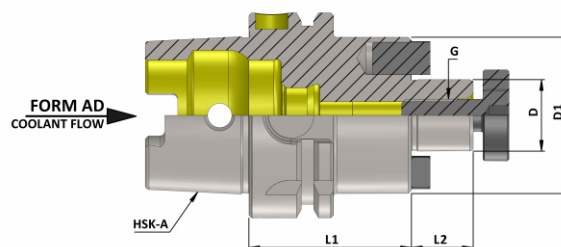
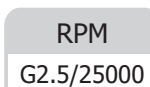
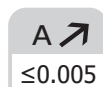
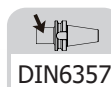


Code	Size	d	D	L	Capacity	Euro	
A63.64.20.S.HT	HSK63A-HC20-100	20	50	100	3-16 20	290,70 €	
A63.64.25.S.HT	HSK63A-HC25-100	25	59	100	3-20 25	295,00 €	
A63.64.32.S.HT	HSK63A-HC32-120	32	72	120	3-25 32	299,30 €	

HSK100 disponibili in 20 giorni

Face Mill Holder

Mandrino porta frese a trascinamento

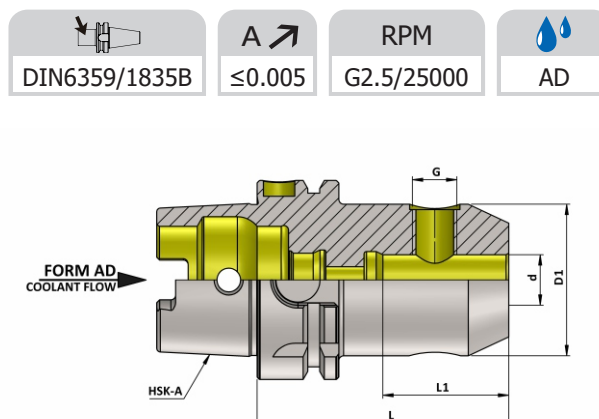


Code	Size	d	D1	L1	L2	G	Euro
A63.11.16.HT	HSK-A 63 FMH16 045	16	38	45	17	M8 1.25P	162,90 €
A63.11.22.HT	HSK-A 63 FMH22 050	22	48	50	19	M10 1.5P	162,90 €
A63.11.27.HT	HSK-A 63 FMH27 055	27	58	55	21	M12 1.75P	175,20 €
A63.11.32.HT	HSK-A 63 FMH32 060	32	78	60	24	M16 2P	180,90 €
A63.11.16.1.HT	HSK-A 63 FMH16 100	16	38	100	17	M8 1.25P	193,30 €
A63.11.22.1.HT	HSK-A 63 FMH22 100	22	48	100	19	M10 1.5P	193,30 €
A63.11.27.1.HT	HSK-A 63 FMH27 100	27	58	100	21	M12 1.75P	205,80 €
A63.11.32.1.HT	HSK-A 63 FMH32 100	32	78	100	24	M16 2P	212,80 €

HSK100 disponibili in 20 giorni

End Mill Holder Weldon

Mandrino Weldon

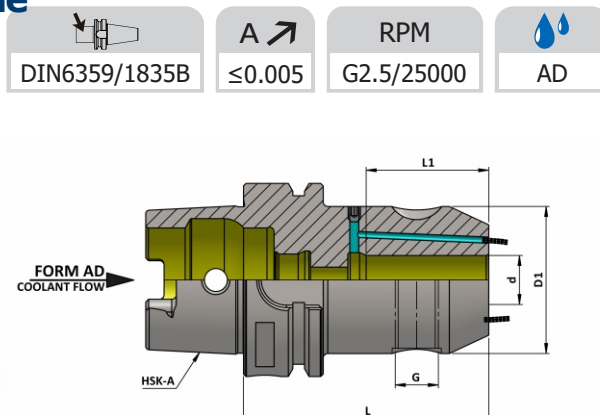


Code	Size	d	D1	L	L1	G	Screw Q.ty	Euro	
A63.04.06.HT	HSK-A 63 WE06 065	6	25	65	34	M6	1	129,60 €	●
A63.04.08.HT	HSK-A 63 WE08 065	8	28	65	34	M8	1	129,60 €	●
A63.04.10.HT	HSK-A 63 WE10 065	10	35	65	40	M10	1	129,60 €	●
A63.04.12.HT	HSK-A 63 WE12 080	12	42	80	46	M12	1	129,60 €	●
A63.04.16.HT	HSK-A 63 WE16 080	16	48	80	48	M14	1	129,60 €	●
A63.04.20.HT	HSK-A 63 WE20 080	20	52	80	52	M16	1	129,60 €	●
A63.04.25.HT	HSK-A 63 WE25 110	25	65	110	56	M18 2	2	142,70 €	●
A63.04.32.HT	HSK-A 63 WE32 110	32	72	110	60	M20 2	2	150,30 €	●
A63.04.40.HT	HSK-A 63 WE40 125	40	80	125	70	M20 2	2	172,50 €	●
A63.04.06.1.HT	HSK-A 63 WE06 100	6	25	100	34	M6	1	152,40 €	●
A63.04.08.1.HT	HSK-A 63 WE08 100	8	28	100	34	M8	1	152,40 €	●
A63.04.10.1.HT	HSK-A 63 WE10 100	10	35	100	40	M10	1	152,40 €	●
A63.04.12.1.HT	HSK-A 63 WE12 100	12	42	100	46	M12	1	151,20 €	●
A63.04.16.1.HT	HSK-A 63 WE16 100	16	48	100	48	M14	1	151,20 €	●
A63.04.20.1.HT	HSK-A 63 WE20 100	20	52	100	52	M16	1	151,20 €	●
A63.04.25.1.HT	HSK-A 63 WE25 160	25	65	160	56	M18 2	2	217,50 €	●
A63.04.32.1.HT	HSK-A 63 WE32 160	32	72	160	60	M20 2	2	217,50 €	●

HSK100 disponibili in 20 giorni ●

End Mill Holder Weldon Coolant Channels

Mandrino Weldon con lub. frontale

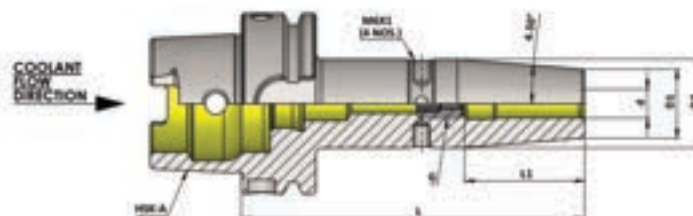


Code	Size	d	D1	G	L	L1	Screw Q.ty	Euro	
A63.04.06.K.HT	HSK-A 63 WE06 065 K	6	25	M6	50	34	1	144,10 €	●
A63.04.08.K.HT	HSK-A 63 WE08 065 K	8	28	M8	50	34	1	144,10 €	●
A63.04.10.K.HT	HSK-A 63 WE10 065 K	10	35	M10	50	40	1	144,10 €	●
A63.04.12.K.HT	HSK-A 63 WE12 080 K	12	42	M12	50	46	1	144,10 €	●
A63.04.16.K.HT	HSK-A 63 WE16 080 K	16	48	M14	63	48	1	144,10 €	●
A63.04.20.K.HT	HSK-A 63 WE20 080 K	20	52	M16	63	52	1	144,10 €	●
A63.04.06.1.K.HT	HSK-A 63 WE06 100 K	6	25	M6	100	34	1	173,60 €	●
A63.04.08.1.K.HT	HSK-A 63 WE08 100 K	8	28	M8	100	34	1	173,60 €	●
A63.04.10.1.K.HT	HSK-A 63 WE10 100 K	10	35	M10	100	40	1	173,60 €	●
A63.04.12.1.K.HT	HSK-A 63 WE12 100 K	12	42	M12	100	46	1	173,60 €	●
A63.04.16.1.K.HT	HSK-A 63 WE16 100 K	16	48	M14	100	48	1	173,60 €	●
A63.04.20.1.K.HT	HSK-A 63 WE20 100 K	20	52	M16	100	52	1	173,60 €	●
A63.04.06.2.K.HT	HSK-A 63 WE06 130 K	6	25	M6	130	34	1	170,00 €	◐
A63.04.08.2.K.HT	HSK-A 63 WE08 130 K	8	28	M8	130	34	1	170,00 €	◐
A63.04.10.2.K.HT	HSK-A 63 WE10 130 K	10	35	M10	130	40	1	170,00 €	◐
A63.04.12.2.K.HT	HSK-A 63 WE12 130 K	12	42	M12	130	46	1	170,00 €	◐
A63.04.16.2.K.HT	HSK-A 63 WE16 130 K	16	48	M14	130	52	1	170,00 €	◐
A63.04.20.2.K.HT	HSK-A 63 WE20 130 K	20	52	M16	130	46	1	170,00 €	◐
A63.04.06.3.K.HT	HSK-A 63 WE06 160 K	6	25	M6	160	34	1	219,80 €	◐
A63.04.08.3.K.HT	HSK-A 63 WE08 160 K	8	28	M8	160	34	1	219,80 €	◐
A63.04.10.3.K.HT	HSK-A 63 WE10 160 K	10	35	M10	160	40	1	219,80 €	◐
A63.04.12.3.K.HT	HSK-A 63 WE12 160 K	12	42	M12	160	34	1	219,80 €	◐
A63.04.16.3.K.HT	HSK-A 63 WE16 160 K	16	48	M14	160	46	1	219,80 €	◐
A63.04.20.3.K.HT	HSK-A 63 WE20 160 K	20	52	M16	160	52	1	219,80 €	◐

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

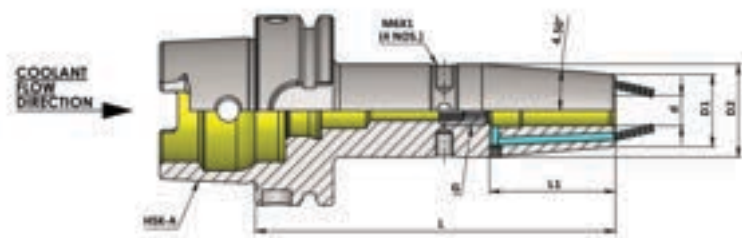


Shrink Fit Chuck, 4.5°, Coolant

Mandrino a Calettare 4,5°, 2 fori di lub .AD

A ↗
≤0.003

RPM
G2.5/25000



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 5 giorni
HSK100 disponibili in 20 giorni

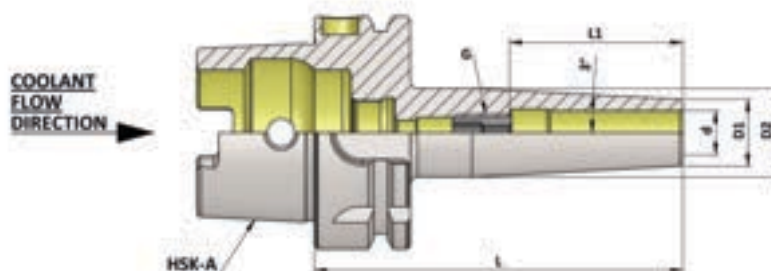


Shrink Fit Chuck, Slim, 3°

Mandrino a calettare, SLIM, 3°

A ↗
≤0.003RPM
G2.5/25000

AD

COOLANT
FLOW
DIRECTION

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 €
A63.72.03.2.HT	HSK63A-SFS03-160	3	9	22.5	160	-	-	258,30 €
A63.72.04.2.HT	HSK63A-SFS04-160	4	10	23.5	160	-	-	229,30 €
A63.72.06.2.HT	HSK63A-SFS06-160	6	12	25.5	160	36	M5	201,30 €
A63.72.08.2.HT	HSK63A-SFS08-160	8	14	27.5	160	36	M6	201,30 €
A63.72.10.2.HT	HSK63A-SFS10-160	10	16	29.5	160	42	M8x1	201,30 €
A63.72.12.2.HT	HSK63A-SFS12-160	12	18	31.5	160	47	M10x1	201,30 €
A63.72.16.2.HT	HSK63A-SFS16-160	16	22	35.5	160	50	M12x1	201,30 €

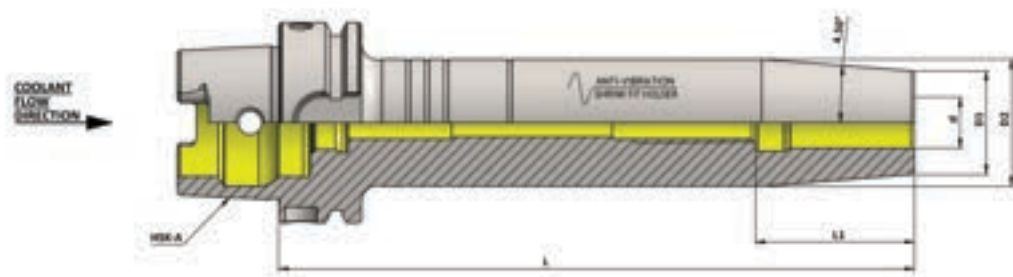
HSK1000 disponibili in 20 giorni

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

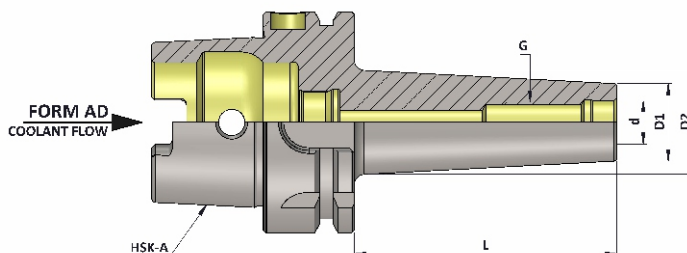
Mandrino per testine fill. AD



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	213,40 €
A63.06.08.HT	HSK-A 63 MCA08 025	8.5	13	15	M8	25	213,40 €
A63.06.08.1.HT	HSK-A 63 MCA08 050	8.5	13	23	M8	50	234,80 €
A63.06.08.2.HT	HSK-A 63 MCA08 075	8.5	13	23	M8	75	257,00 €
A63.06.08.3.HT	HSK-A 63 MCA08 100	8.5	13	25	M8	100	257,00 €
A63.06.10.HT	HSK-A 63 MCA10 025	10.5	18	20	M10	25	223,10 €
A63.06.10.1.HT	HSK-A 63 MCA10 050	10.5	18	23	M10	50	240,00 €
A63.06.10.2.HT	HSK-A 63 MCA10 075	10.5	18	28	M10	75	244,50 €
A63.06.10.3.HT	HSK-A 63 MCA10 100	10.5	18	32	M10	100	291,70 €
A63.06.12.HT	HSK-A 63 MCA10 150	12.5	21	24	M12	25	347,80 €
A63.06.12.1.HT	HSK-A 63 MCA12 025	12.5	21	24	M12	50	223,10 €
A63.06.12.2.HT	HSK-A 63 MCA12 050	12.5	21	31	M12	75	244,50 €
A63.06.12.3.HT	HSK-A 63 MCA12 075	12.5	21	33	M12	100	264,00 €
A63.06.12.4.HT	HSK-A 63 MCA12 100	12.5	21	36	M12	125	291,70 €
A63.06.12.HT	HSK-A 63 MCA12 150	17.0	29	29	M16	25	347,80 €
A63.06.16.1.HT	HSK-A 63 MCA16 025	17.0	29	34	M16	50	223,10 €
A63.06.16.2.HT	HSK-A 63 MCA16 050	17.0	29	34	M16	75	244,50 €
A63.06.16.3.HT	HSK-A 63 MCA16 075	17.0	29	36	M16	100	264,00 €
A63.06.16.4.HT	HSK-A 63 MCA16 100	17.0	29	40	M16	125	291,70 €
A63.06.16.5.HT	HSK-A 63 MCA16 150	17.0	29	42.5	M16	150	347,80 €

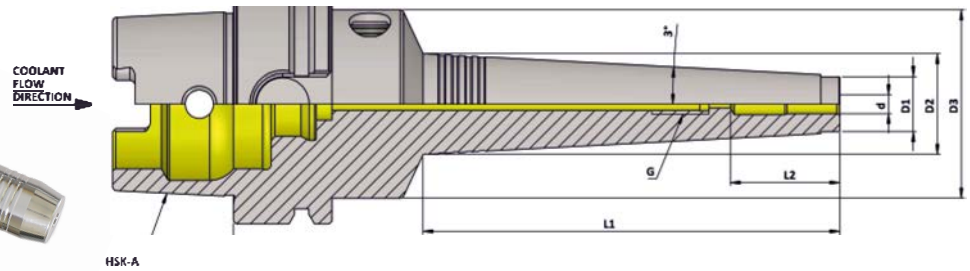
Hydraulic Expansion Chuck SLIM 3° AD/AF

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
63A.H03.080.SL.HT	HSK-A 63 HC03 080 SLIM	3	11	14.0	46	-	80	28	28	510,70 €
63A.H03.090.SL.HT	HSK-A 63 HC03 090 SLIM	3	11	14.9	46	-	90	37	28	510,70 €
63A.H03.135.SL.HT	HSK-A 63 HC03 135 SLIM	3	11	19.9	46	-	135	84	28	528,90 €
63A.H04.080.SL.HT	HSK-A 63 HC04 080 SLIM	4	11	14.0	46	-	80	28	28	510,70 €
63A.H04.090.SL.HT	HSK-A 63 HC04 090 SLIM	4	11	14.9	46	-	90	37	28	510,70 €
63A.H04.135.SL.HT	HSK-A 63 HC04 135 SLIM	4	11	19.9	46	-	135	84	28	528,90 €
63A.H06.135.SL.HT	HSK-A 63 HC06 135 SLIM	6	13	17.0	46	M5	90	38	37	456,00 €
63A.H06.150.SL.HT	HSK-A 63 HC06 150 SLIM	6	13	21.9	46	M5	135	84	37	474,10 €
63A.H06.165.SL.HT	HSK-A 63 HC06 165 SLIM	6	13	23.4	46	M5	150	99	37	521,60 €
63A.H06.180.SL.HT	HSK-A 63 HC06 180 SLIM	6	13	25.0	46	M5	165	114	37	592,70 €
63A.H08.090.SL.HT	HSK-A 63 HC08 090 SLIM	6	13	26.7	46	M5	180	130	37	656,60 €
63A.H08.135.SL.HT	HSK-A 63 HC08 135 SLIM	8	15	19.0	46	M6	90	38	37	456,00 €
63A.H08.150.SL.HT	HSK-A 63 HC08 150 SLIM	8	15	23.9	46	M6	135	84	37	474,10 €
63A.H08.165.SL.HT	HSK-A 63 HC08 165 SLIM	8	15	25.4	46	M6	150	99	37	521,60 €
63A.H08.180.SL.HT	HSK-A 63 HC08 180 SLIM	8	15	27.0	46	M6	165	114	37	592,70 €
63A.H10.105.SL.HT	HSK-A 63 HC10 105 SLIM	8	15	28.7	46	M6	180	130	37	656,60 €
63A.H10.135.SL.HT	HSK-A 63 HC10 135 SLIM	10	17	22.6	46	MS	105	53	41	456,00 €
63A.H10.150.SL.HT	HSK-A 63 HC10 150 SLIM	10	17	25.9	46	MS	135	84	41	474,10 €
63A.H10.165.SL.HT	HSK-A 63 HC10 165 SLIM	10	17	27.4	46	MS	150	99	41	521,60 €
63A.H10.180.SL.HT	HSK-A 63 HC10 180 SLIM	10	17	29.0	46	MS	165	114	41	592,70 €
63A.H12.105.SL.HT	HSK-A 63 HC12 105 SLIM	10	17	30.7	46	MS	180	130	41	656,60 €
63A.H12.105.SL.HT	HSK-A 63 HC12 105 SLIM	12	19	24.6	46	MS	105	53	46	456,00 €
63A.H12.135.SL.HT	HSK-A 63 HC12 135 SLIM	12	19	27.9	46	MS	135	84	46	474,10 €
63A.H12.150.SL.HT	HSK-A 63 HC12 150 SLIM	12	19	29.4	46	MS	150	99	46	521,60 €
63A.H12.165.SL.HT	HSK-A 63 HC12 165 SLIM	12	19	31.0	46	MS	165	114	46	592,70 €
63A.H12.180.SL.HT	HSK-A 63 HC12 180 SLIM	12	19	32.7	46	MS	180	130	46	656,60 €
63A.H16.135.SL.HT	HSK-A 63 HC16 135 SLIM	16	23	31.9	52.5	M12	135	84	49	474,10 €
63A.H16.165.SL.HT	HSK-A 63 HC16 165 SLIM	16	23	35.0	52.5	M12	165	114	49	592,70 €
63A.H16.180.SL.HT	HSK-A 63 HC16 180 SLIM	16	23	36.6	52.5	M12	180	129	49	656,60 €
63A.H20.150.SL.HT	HSK-A 63 HC20 150 SLIM	20	28	36.9	60	M16	150	84	51	474,10 €
63A.H20.180.SL.HT	HSK-A 63 HC20 180 SLIM	20	28	40.0	60	M16	180	114	51	592,70 €
63A.H20.195.SL.HT	HSK-A 63 HC20 195 SLIM	20	28	41.6	60	M16	195	129	51	656,60 €

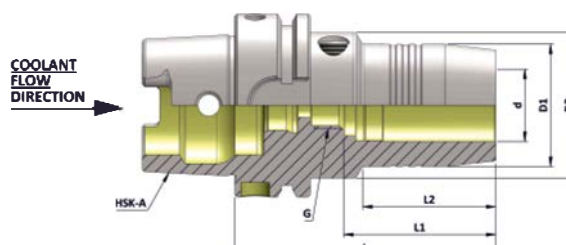
Hydraulic Expansion Chuck AD

Mandrino Idraulico AD

A ↗
≤0.003

RPM
G2.5/25000

AD



Code	Description	d	D1	D2	G	L	L1	L2	Euro
63A.H06.70.HT	HSK-A 63 H06 070	6	26	50	M5	70	37	24	308,50 €
63A.H06.120.HT	HSK-A 63 H06 120	6	26	50	M5	120	37	73	455,20 €
63A.H06.150.HT	HSK-A 63 H06 150	6	26	50	M5	150	37	103	528,60 €
63A.H06.200.HT	HSK-A 63 H06 200	6	26	50	M5	200	37	153	572,70 €
63A.H08.70.HT	HSK-A 63 H08 070	8	28	50	M6	70	37	25	308,50 €
63A.H08.120.HT	HSK-A 63 H08 120	8	28	50	M6	120	37	74	455,20 €
63A.H08.150.HT	HSK-A 63 H08 150	8	28	50	M6	150	37	104	528,60 €
63A.H08.200.HT	HSK-A 63 H08 200	8	28	50	M6	200	37	154	572,70 €
63A.H10.80.HT	HSK-A 63 H10 080	10	30	50	M8	80	41	35	308,50 €
63A.H10.120.HT	HSK-A 63 H10 120	10	30	50	M8	120	41	74	455,20 €
63A.H10.150.HT	HSK-A 63 H10 150	10	30	50	M8	150	41	104	528,60 €
63A.H10.200.HT	HSK-A 63 H10 200	10	30	50	M8	200	41	154	572,70 €
63A.H12.85.HT	HSK-A 63 H12 085	12	32	50	M10	85	46	40	308,50 €
63A.H12.120.HT	HSK-A 63 H12 120	12	32	50	M10	120	46	75	455,20 €
63A.H12.150.HT	HSK-A 63 H12 150	12	32	50	M10	150	46	105	528,60 €
63A.H12.200.HT	HSK-A 63 H12 200	12	32	50	M10	200	46	155	572,70 €
63A.H16.90.HT	HSK-A 63 H16 090	16	38	50	M12	90	49	46	308,50 €
63A.H16.120.HT	HSK-A 63 H16 120	16	38	50	M12	120	49	76	455,20 €
63A.H16.150.HT	HSK-A 63 H16 150	16	38	50	M12	150	49	106	528,60 €
63A.H16.200.HT	HSK-A 63 H16 200	16	38	50	M12	200	49	156	572,70 €
63A.H20.90.HT	HSK-A 63 H20 090	20	42	50	M16	90	51	48	308,50 €
63A.H20.120.HT	HSK-A 63 H20 120	20	42	50	M16	120	51	78	455,20 €
63A.H20.150.HT	HSK-A 63 H20 150	20	42	50	M16	150	51	108	528,60 €
63A.H20.200.HT	HSK-A 63 H20 200	20	42	50	M16	200	51	158	572,70 €

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 €

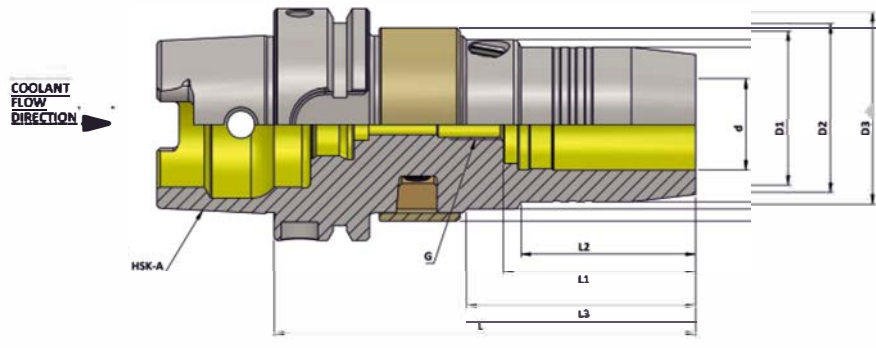
Hydraulic Expansion Chuck with "Run Out" adjustment AD

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	729,40 €
63A.H32.RA.HT	HSK-A 63 H32 150	32	42	46	52.5	MB	150	51	50	65.5	875,40 €
100A.H20.RA.HT	HSK-A100 H20 120	20	42	46	52.5	MB	120	51	50	65.5	948,30 €
100A.H32.RA.HT	HSK-A 100 H32 150	32	42	46	52.5	MB	150	51	50	65.5	1.021,30 €

Hydraulic Expansion Chuck Heavy Duty power AD

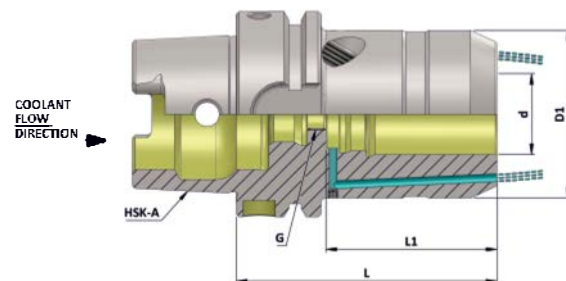
HEAVY DUTY
POWER

Mandrino Idraulico per impieghi gravosi AD

A ↗
≤0.003

RPM
G2.5/25000

AD



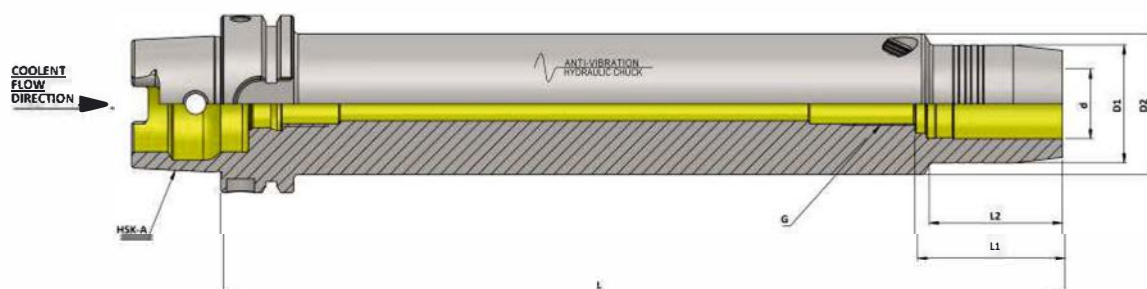
Code	Description	d	D1	G	L	L1	Euro
63A.H12.HD.HT	HSK-A 63 H12S 080 FCC	12	42		80	40	309,70 €
63A.H20.HD.HT	HSK-A 63 H20S 080 FCC	20	50		80	42	309,70 €
100A.H12.HD.HT	HSK-A 100 H12S 095 FCC	12	42	M10	95	40	363,00 €
100A.H20.HD.HT	HSK-A 100 H20S 090 FCC	20	50		90	42	363,00 €
100A.H32.HD.HT	HSK-A 100 H32S 110 FCC	32	72	M16	110	55	363,00 €

Hydraulic Expansion Chuck Anti - Vibration AD

Mandrino Idraulico Anti - vibrante AD

A ↗
≤0.010

AD

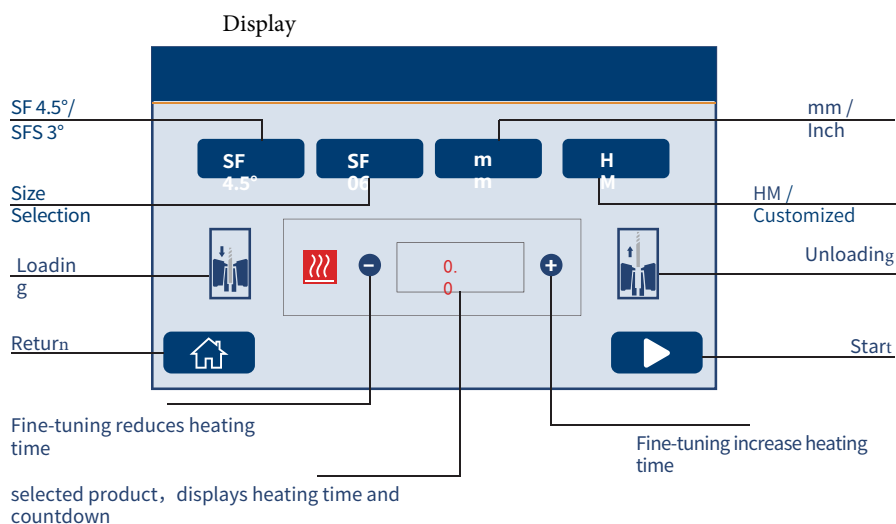


Code	Description	d	D1	D2	G	L	L1	L2	Euro
63A.H20.200AV.HT	HSK-A 63 H20 200 AD/AV	20	42	49.5	M16	200	51	47	1.413,30 €
63A.H20.250AV.HT	HSK-A 63 H20 250 AD/AV	20	42	49.5	M16	250	51	47	1.805,40 €
63A.H20.300AV.HT	HSK-A 63 H20 300 AD/AV	20	42	49.5	M16	300	51	47	2.006,00 €
63A.H25.200AV.HT	HSK-A 63 H25 200 AD/AV	25	52	55	M16	200	57	50	1.458,90 €
63A.H25.250AV.HT	HSK-A 63 H25 250 AD/AV	25	52	55	M16	250	57	50	1.851,00 €
63A.H25.300AV.HT	HSK-A 63 H25 300 AD/AV	25	52	55	M16	300	57	50	2.051,60 €
63A.H32.200AV.HT	HSK-A 63 H32 200 AD/AV	32	62	63	M16	200	61	48	1.504,40 €
63A.H32.250AV.HT	HSK-A 63 H32 250 AD/AV	32	62	63	M16	250	61	48	1.896,60 €
63A.H32.300AV.HT	HSK-A 63 H32 300 AD/AV	32	62	63	M16	300	61	48	2.097,20 €

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 50H	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 per BT/SK/CAT 40, un altro 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



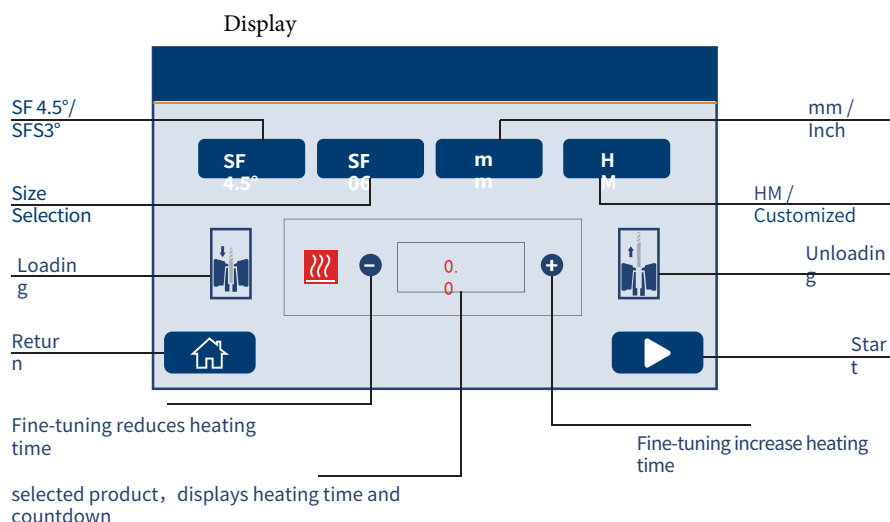
1 Refrigeratore industriale

istruzioni per l'uso di corrodo

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 50H	15KW	ø3-ø32	740 580 845	7.250,00 €

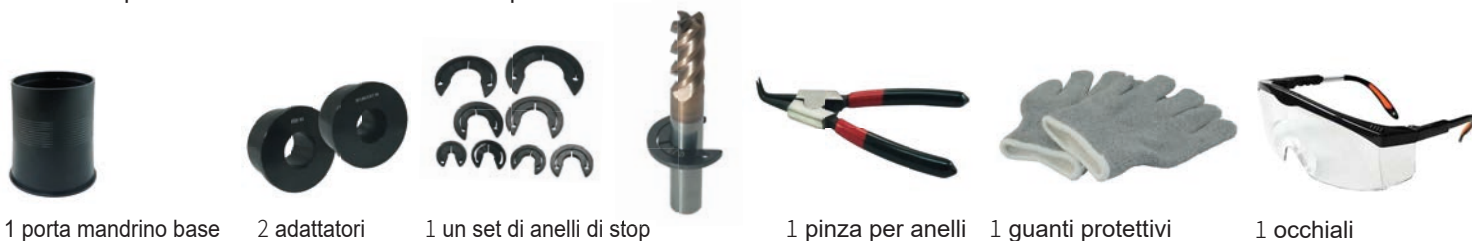
4.1 Machine Technical Data

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 per BT/SK/CAT 40, un altro per HSK63, altri set di adattatori specifici devono essere acquistati separatamente.



istruzioni per l'uso di corrodo

Tool Holder Cleaning Device

Macchina Lava Coni



corpo c/spazzole

Base

agente antiruggine

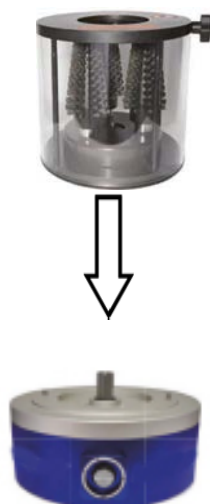
Alimentazione

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, diversa per ogni 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.

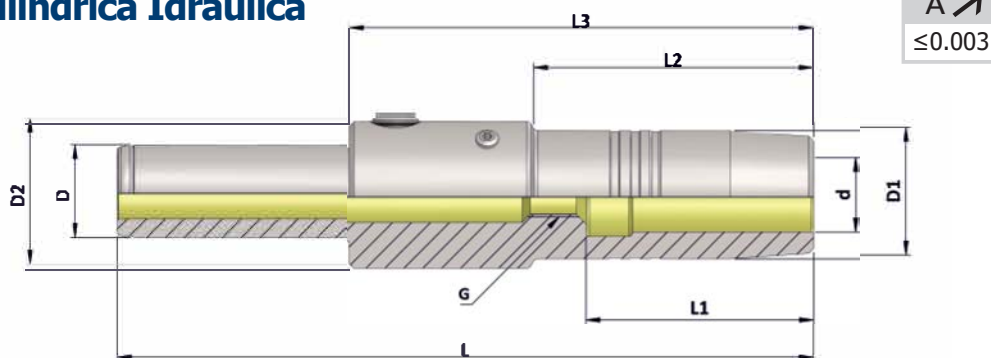
Parametri di utilizzo del prodotto

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

Articolo	Euro
SEH26.000	112,30€ 

Cylindrical Shank Hydraulic Expansion Chuck

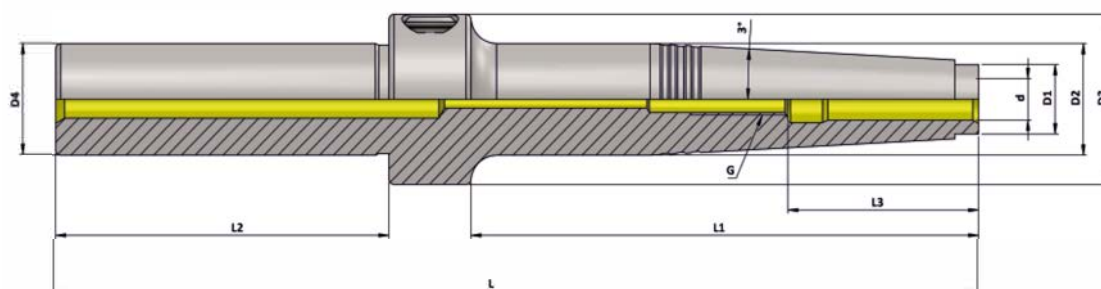
Prolunga cilindrica Idraulica



Code	Description	d	D	D1	D2	G	L	L1	L2	L3	Euro
120.H06.150.HT	DIA20 HC06 L 150	6	20	16	31.5	MS	150	37	54	100	249,70 €
120.H08.150.HT	DIA20 HC08 L 150	8	20	18	31.5	MS	150	37	54	100	249,70 €
120.H10.150.HT	DIA20 HC10 L 150	10	20	20	31.5	M6	150	41	54	100	249,70 €
120.H12.150.HT	DIA20 HC12 L 150	12	20	25	31.5	M6	150	46	100	100	249,70 €
120.H16.150.HT	DIA20 HC16 L 150	16	20	27.5	31.5	M10	150	49	60	100	249,70 €
120.H20.150.HT	DIA20 HC20 L 150	20	20	31.5	31.5	M10	150	51	100	100	249,70 €
132.H20.150.HT	DIA32 HC20 L 150	20	32	31.5	31.5	M10	150	51	90	90	249,70 €
132.H20.200.HT	DIA32 HC20 L 200	20	32	31.5	31.5	M10	200	51	90	90	258,50 €

Cylindrical Shank Hydraulic Expansion Chuck SLIM 3°

Prolunga cilindrica Idraulica, SLIM ,3°

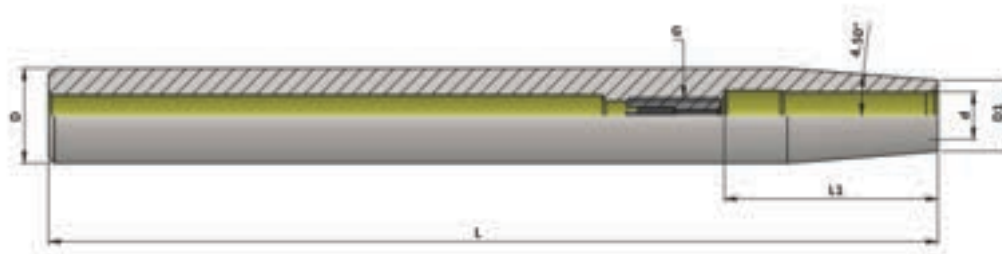


Code	Description	d	D1	D2	D3	D4	G	L	L1	L2	L3	Euro
120.HC03.180.SL.HT	DIA20 HC03 L 180 SLIM	3	11	18	46	20	M2.5	180	98	55	28	456,00 €
120.HC04.180.SL.HT	DIA20 HC04 L 180 SLIM	4	11	18	46	20	M2.5	180	98	55	28	456,00 €
120.HC06.180.SL.HT	DIA20 HC06 L 180 SLIM	6	13	20	46	20	M5	180	99	55	37	456,00 €
120.HC08.180.SL.HT	DIA20 HC08 L 180 SLIM	8	15	22	46	20	M5	180	99	55	37	456,00 €
120.HC10.180.SL.HT	DIA20 HC10 L 180 SLIM	10	17	24	46	20	M6	180	100	55	41	456,00 €
120.HC12.180.SL.HT	DIA20 HC12 L 180 SLIM	12	19	26	46	20	M6	180	100	55	46	456,00 €
132.HC06.210.SL.HT	DIA32 HC06 L 210 SLIM	6	13	20	46	32	M5	210	109	60	37	492,40 €
132.HC08.210.SL.HT	DIA32 HC08 L 210 SLIM	8	15	22	46	32	M5	210	109	60	37	492,40 €
132.HC10.210.SL.HT	DIA32 HC10 L 210 SLIM	10	17	24	46	32	M6	210	110	60	41	492,40 €
132.HC12.210.SL.HT	DIA32 HC12 L 210 SLIM	12	19	26	46	32	M6	210	110	60	46	492,40 €

Cylindrical Shank Shrink Fit Holder 4.5 Degree (Shrinking Extension)

Prolunga cilindrica a calettare ,4,5°Idraulica

A ↗
≤0.003

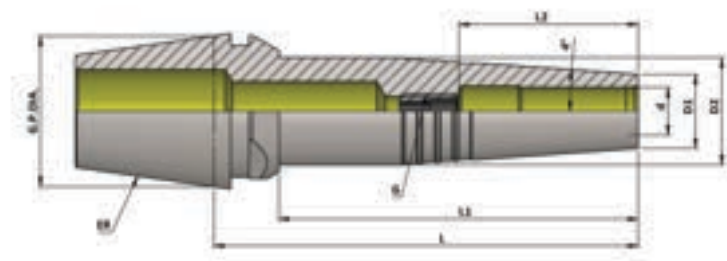


Code	Description	d	D1	D	G	L	L1	Euro	
120.12.SFH03.HT	D12 SFH03 150	3	8	12	–	150	12	110,30 €	●
120.12.SFH04.HT	D12 SFH04 150	4	8	12	–	150	14	110,30 €	●
120.12.SFH05.HT	D12 SFH05 150	5	8	12	–	150	15	110,30 €	●
120.16.SFH03.HT	D16 SFH03 150	3	10	16			12	110,30 €	●
120.16.SFH04.HT	D16 SFH04 150	4	10	16	–	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 €	●
120.32.SFH06.HT	D32 SFH06 150	6	21	32	M5	150	36	110,30 €	●
120.32.SFH08.HT	D32 SFH08 150	8	21	32	M6	150	36	110,30 €	●
120.32.SFH10.HT	D32 SFH10 150	10	24	32	M8	150	41	102,20 €	●
120.32.SFH12.HT	D32 SFH12 150	12	24	32	M10	150	46	102,20 €	●
120.32.SFH14.HT	D32 SFH14 150	14	27	32	M10	150	46	102,20 €	●
120.32.SFH16.HT	D32 SFH16 150	16	27	32	M12	150	49	102,20 €	●
120.32.SFH18.HT	D32 SFH18 150	18	27	32	M12	150	49	102,20 €	●
120.32.SFH20.HT	D32 SFH20 150	20	27	32	M16	150	51	102,20 €	●

Shrink Fit Holder ER Series 4 Degree

Pinza ER a calettare ,4°

A ↗
≤0.003



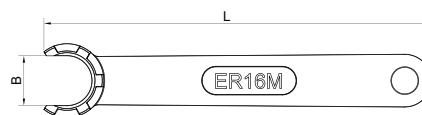
Code	Description	d	D1	D2	G	L	L1	L2	Euro
430.SFH03.35.HT	ER 25 SFH03 035	3	10	13.50	–	44.00	35	12	121,10 €
430.SFH03.60.HT	ER 25 SFH03 060	3	10	16.30	–	69.00	60	12	155,70 €
430.SFH04.35.HT	ER 25 SFH04 035	4	10	13.50	–	44.00	35	14	121,10 €
430.SFH04.60.HT	ER 25 SFH04 060	4	10	16.30	–	69.00	60	14	155,70 €
430.SFH05.35.HT	ER 25 SFH05 035	5	10	13.50	–	44.00	35	15	121,10 €
430.SFH05.60.HT	ER 25 SFH05 060	5	10	16.30	–	69.00	60	15	155,70 €
430.SFH06.35.HT	ER 25 SFH06 035	6	11	14.70	M5	44.00	35	36	121,10 €
430.SFH06.60.HT	ER 25 SFH06 060	6	11	17.30	M5	69.00	60	36	155,70 €
430.SFH08.35.HT	ER 25 SFH08 035	8	14	17.80	M6	44.00	35	36	121,10 €
430.SFH08.60.HT	ER 25 SFH08 060	8	14	17.90	M6	69.00	60	36	155,70 €
470.SFH03.35.HT	ER 32 SFH03 035	3	10	13.50	–	45.00	35	12	121,10 €
470.SFH03.60.HT	ER 32 SFH03 060	3	10	16.30	–	70.00	60	12	155,70 €
470.SFH03.85.HT	ER 32 SFH03 085	3	10	19.80	–	95.00	85	12	207,60 €
470.SFH04.35.HT	ER 32 SFH04 035	4	10	13.50	–	45.00	35	14	121,10 €
470.SFH04.60.HT	ER 32 SFH04 060	4	10	16.30	–	70.00	60	14	155,70 €
470.SFH04.85.HT	ER 32 SFH04 085	4	10	19.80	–	95.00	85	14	207,60 €
470.SFH05.35.HT	ER 32 SFH05 035	5	10	13.50	–	45.00	35	15	121,10 €
470.SFH05.60.HT	ER 32 SFH05 060	5	10	16.30	–	70.00	60	15	155,70 €
470.SFH05.85.HT	ER 32 SFH05 085	5	10	19.80	–	95.00	85	15	207,60 €
470.SFH06.35.HT	ER 32 SFH06 035	6	11	14.70	M5	45.00	35	36	121,10 €
470.SFH06.60.HT	ER 32 SFH06 060	6	11	17.30	M5	70.00	60	36	155,70 €
470.SFH06.85.HT	ER 32 SFH06 085	6	11	20.80	M5	95.00	85	36	207,60 €
470.SFH08.35.HT	ER 32 SFH08 035	8	14	18.95	M6	45.00	35	36	121,10 €
470.SFH08.60.HT	ER 32 SFH08 060	8	14	20.40	M6	70.00	60	36	155,70 €
470.SFH08.85.HT	ER 32 SFH08 085	8	14	23.20	M6	95.00	85	36	207,60 €
470.SFH10.35.HT	ER 32 SFH10 035	10	16	20.80	M8	45.00	35	41	121,10 €
470.SFH10.60.HT	ER 32 SFH10 060	10	16	22.40	M8	70.00	60	41	155,70 €
470.SFH10.85.HT	ER 32 SFH10 085	10	16	23.00	M8	95.00	85	41	207,60 €
470.SFH12.35.HT	ER 32 SFH12 035	12	20	24.00	M10	45.00	35	46	121,10 €
470.SFH12.60.HT	ER 32 SFH12 060	12	20	24.00	M10	70.00	60	46	155,70 €
470.SFH12.85.HT	ER 32 SFH12 085	12	20	24.00	M10	95.00	85	46	207,60 €

ER Collet Set

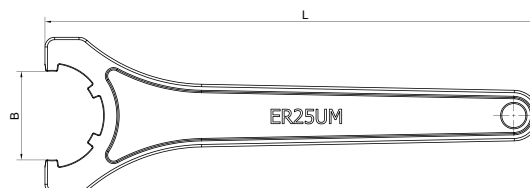
Set Pinze ER



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 €



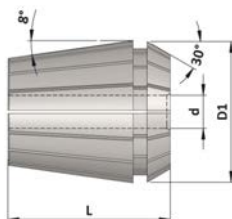
Code	Size	B	L	Nut	Euro
02.05.3.HT	ER8M	12.9	70	ER8-M	9,00 €
02.07.3.HT	ER11M	16.7	90	ER11-M	9,00 €
02.10.3.HT	ER16M	22.4	110	ER16-M	9,00 €
02.13.3.HT	ER20M	28.9	120	ER20-M	9,00 €
02.16.3.HT	ER25M	35.8	130	ER25-M	12,00 €



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

ER Collet

Pinze ER



A ↗
≤0.015

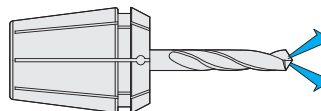
1 mm steps
1 mm passo

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

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 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 €	
430E.HT	430E - Ø (ER 25)	3 – 16	21	31.5	62.00 €	
470E.HT	470E - Ø (ER 32)	3 – 20	33	40	62.90 €	
472E.HT	472E - Ø (ER 40)	3 – 26	41	46	79.00 €	

Note:

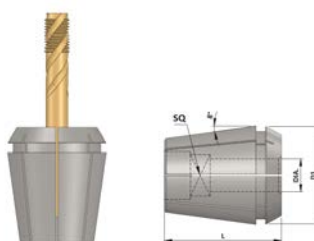
Only nominal size d can be clamped with sealing plug for internal cooling (applicable up to 21 bar)

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

Tap Collet ER G

Pinze ER con quadro per maschiatura

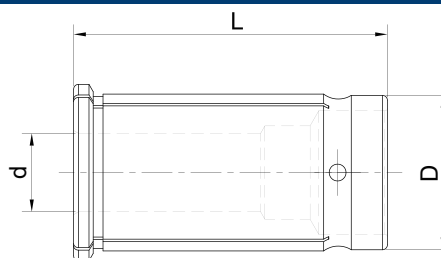
A ↗
≤0.015



Code	Range	D1	L	Euro	
426G-3527 .HT	ER 16 - 3,5 × 2,7	17	27.5	68,80 €	
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	74,30 €	
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	77,40 €	
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	82,50 €	
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				

Straight Shank Collet SC

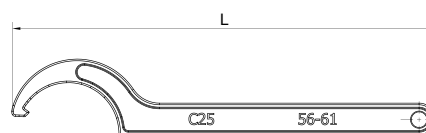
Pinze riduzione forte Serraggio



Code	Size	d	D	L	Euro
R20-03.HT	SC20-03	3	20	50	56,60 €
R20-04.HT	SC20-04	4	20	50	56,60 €
R20-05.HT	SC20-05	5	20	50	56,60 €
R20-06.HT	SC20-06	6	20	50	54,30 €
R20-08.HT	SC20-08	8	20	50	54,30 €
R20-10.HT	SC20-10	10	20	50	54,30 €
R20-12.HT	SC20-12	12	20	50	54,30 €
R20-16.HT	SC20-16	16	20	50	54,30 €
R25-06.HT	SC25-06	6	25	60	58,40 €
R25-08.HT	SC25-08	8	25	60	58,40 €
R25-10.HT	SC25-10	10	25	60	58,40 €
R25-12.HT	SC25-12	12	25	60	58,40 €
R25-16.HT	SC25-16	16	25	60	58,40 €
R25-20.HT	SC25-20	20	25	60	58,40 €
R32-06.HT	SC32-06	6	32	64	60,30 €
R32-08.HT	SC32-08	8	32	64	60,30 €
R32-10.HT	SC32-10	10	32	64	60,30 €
R32-12.HT	SC32-12	12	32	64	60,30 €
R32-16.HT	SC32-16	16	32	64	60,30 €
R32-20.HT	SC32-20	20	32	64	60,30 €
R32-25.HT	SC32-25	25	32	64	60,30 €

Hook Spanner

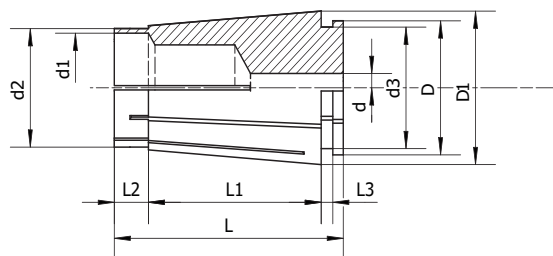
Chiave per forte serraggio



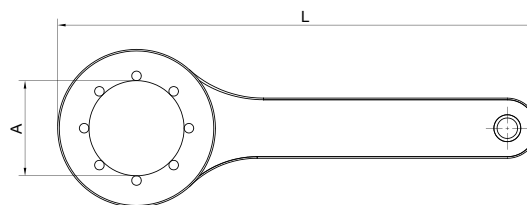
Code	Size	L	Range	Euro
64.182.20.HT	C20	214	50-55	12,00 €
64.182.25.HT	C25	214	56-61	13,00 €
64.182.32.HT	C32	235	68-73	16,10 €

SKS Collet+key

Pinza SKS + chiave



Code	Size	d	D	D1	d1	d2	d3	L	L1	Euro
490EK-02.HT	SKS10-02	1.75-2.0	13.1	15.6	10	12	12	30.5	22	39,50 €
490EK-03.HT	SKS10-03	2.75-3.0	13.1	15.6	10	12	12	30.5	22	39,50 €
490EK-04.HT	SKS10-04	3.5-4.0	13.1	15.6	10	12	12	30.5	22	29,50 €
490EK-06.HT	SKS10-06	5.5-6.0	13.1	15.6	10	12	12	30.5	22	29,50 €
490EK-08.HT	SKS10-08	7.5-8.0	13.1	15.6	10	12	12	30.5	22	29,50 €
490EK-10.HT	SKS10-10	9.5-10.0	13.1	15.6	10	12	12	30.5	22	29,50 €
496EK-03.HT	SKS16-03	2.75-3.0	20.5	24.45	18.6	15.3	18.8	45.5	32	48,50 €
496EK-04.HT	SKS16-04	3.5-4.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-05.HT	SKS16-05	4.5-5.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-06.HT	SKS16-06	5.5-6.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-08.HT	SKS16-08	7.5-8.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-10.HT	SKS16-10	9.5-10.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-12.HT	SKS16-12	11.5-12.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €
496EK-16.HT	SKS16-16	15.5-16.0	20.5	24.45	18.6	15.3	18.8	45.5	32	38,00 €

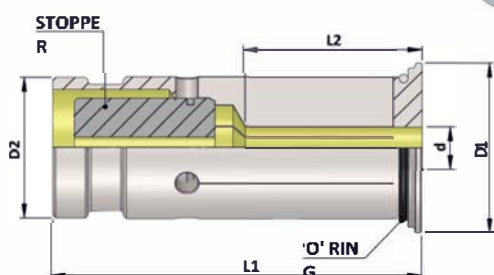


Code	Size	A	L	Euro
490EK-182.HT	SKS10C27	27	150	75,50 €
496EK-182.HT	SKS16C40	40	180	105,50 €

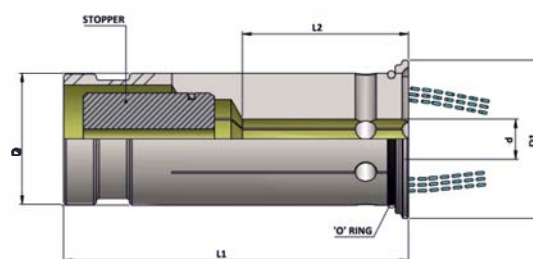
Reduction Sleeve seal

Pinze riduzione mandrini Idraulici

A ↗
≤0.015



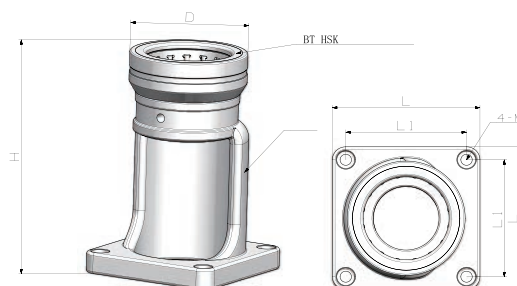
L2-Minimo
Lunghezza da inserire



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 €
R20.140.HT	20 - 14	54,30 €	24	52.5	34	RDC20.140.HT	20 - 14	81,40 €
R20.160.HT	20 - 16	54,30 €	24	52.5	40	RDC20.160.HT	20 - 16	81,40 €
R25.060.HT	25 - 6	58,40 €	29	56.5	25	RDC25.060.HT	25 - 6	87,60 €
R25.080.HT	25 - 8	58,40 €	29	56.5	25	RDC25.080.HT	25 - 8	87,60 €
R25.100.HT	25 - 10	58,40 €	29	56.5	33	RDC25.100.HT	25 - 10	87,60 €
R25.120.HT	25 - 12	58,40 €	29	56.5	34	RDC25.120.HT	25 - 12	87,60 €
R25.140.HT	25 - 14	58,40 €	29	56.5	34	RDC25.140.HT	25 - 14	87,60 €
R25.160.HT	25 - 16	58,40 €	29	56.5	40	RDC25.160.HT	25 - 16	87,60 €
R25.180.HT	25 - 18	58,40 €	29	56.5	40	RDC25.180.HT	25 - 18	87,60 €
R25.200.HT	25 - 20	58,40 €	29	56.5	40	RDC25.200.HT	25 - 20	87,60 €
R32.060.HT	32 - 6	60,30 €	36	63.5	25	RDC32.060.HT	32 - 6	90,40 €
R32.080.HT	32 - 8	60,30 €	36	63.5	25	RDC32.080.HT	32 - 8	90,40 €
R32.100.HT	32 - 10	60,30 €	36	63.5	33	RDC32.100.HT	32 - 10	90,40 €
R32.120.HT	32 - 12	60,30 €	36	63.5	34	RDC32.120.HT	32 - 12	90,40 €
R32.160.HT	32 - 16	60,30 €	36	63.5	34	RDC32.160.HT	32 - 16	90,40 €
R32.200.HT	32 - 20	60,30 €	36	63.5	34	RDC32.200.HT	32 - 20	90,40 €
R32.250.HT	32 - 25	60,30 €	36	63.5	34	RDC32.250.HT	32 - 25	90,40 €

Tool Holder Locking Device BT\HSK\SK

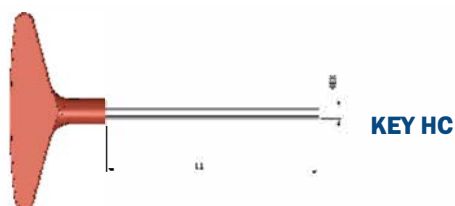
Dispositivo di bloccaggio portautensili BT\HSK\SK



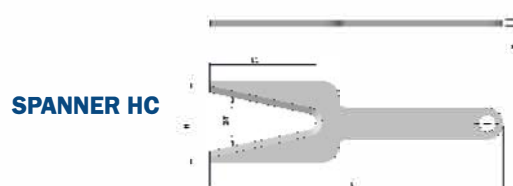
Code	Size	Tool Holder	D	H	L	L1	M	Euro
707.1.SK30.HT	TMS40-50	HSK50, SK30, C5	76	168	110	90	M8	107,30 €
707.1.SK40.HT	TMS40-63	HSK63, BT40, C6	87	172	110	90	M8	107,30 €
707.1.080.HT	TMS40-63.55	SK40	87	172	110	90	M8	169,20 €
707.1.063.HT	TMS50-80	HSK80, C8	114	219	160	130	M8	107,30 €
707.1.SK50.HT	TMS50-97.5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

Hydraulic Expansion Chuck Accessories

Accessori per mandrini idraulici



KEY HC



SPANNER HC

Code	Description	L	L1	H	T	T	Euro
C4.KEY.HT	KEYHC4mm	-	110	-	-	4	6,50 €
C5.KEY.HT	KEYHC5mm	-	110	-	-	5	6,50 €
S.H.HT	SPANNER HC	182	65	50	-	-	12,90 €



Code	Description	T	B	L	Euro
S.E25A.HT	SPANNER E25 A	4	31	130	12,10 €

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°

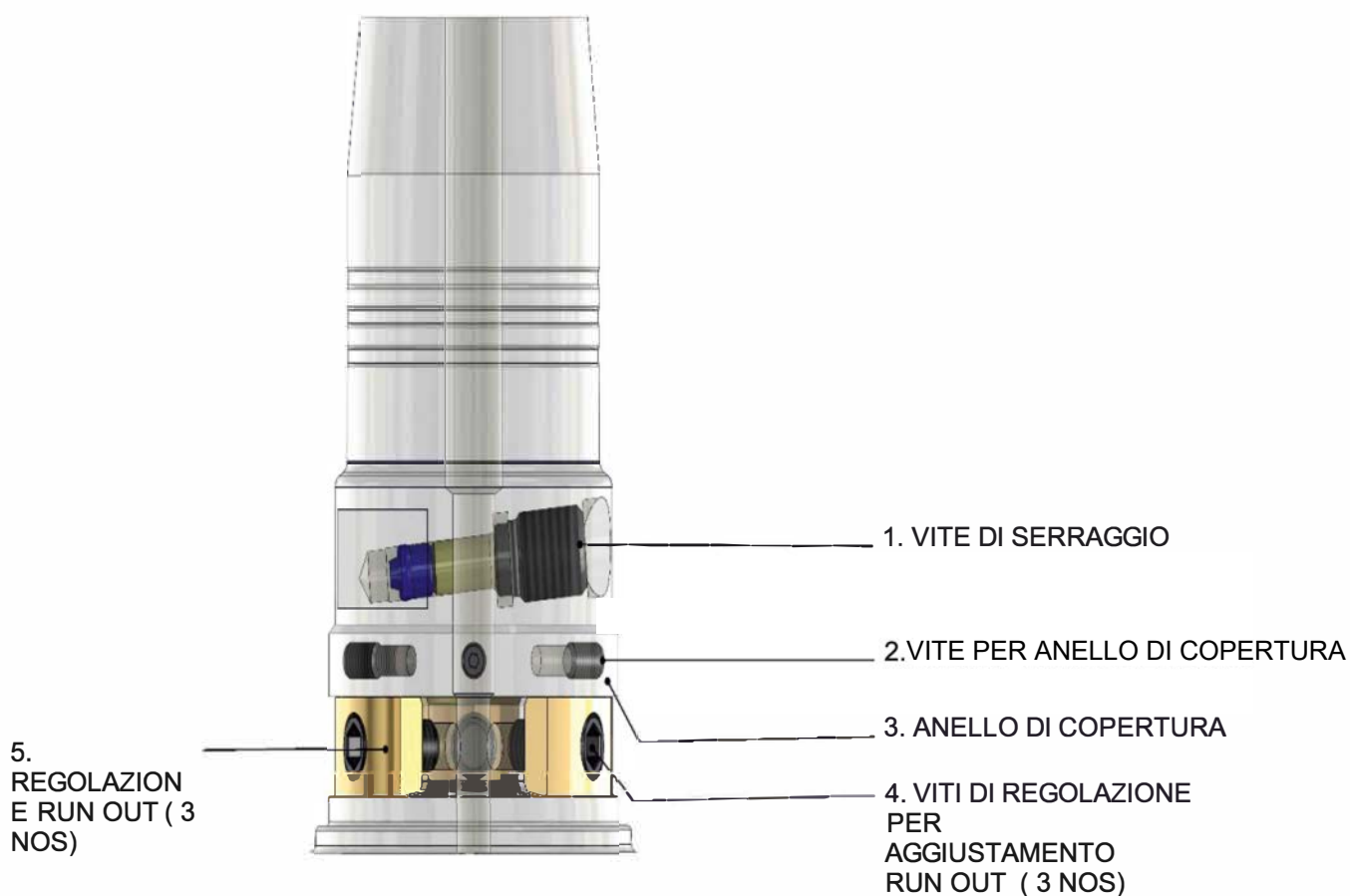
Holder Size	Tool Shank Dia. & Tolerance	Minimum Clamping Depth mm	Maximum Safe Transferable Torque Nm
HC 03	ø 3.0 h6	12	3
HC 04	ø 4.0 h6	16	6
HC 05	ø 5.0 h6	20	10
HC 06	ø 6.0 h6	33	20
HC 08	ø 8.0 h6	33	35
HC 10	ø 10.0 h6	37	65
HC 12	ø 12.0 h6	41	110
HC 14	ø 14.0 h6	41	120
HC 16	ø 16.0 h6	44	160
HC 18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

Hydraulic Expantion Chuck With Run Out Adjustment (HC - RA)

Mandrino Idraulico con regolazione assiale (HC-RA)

◇ Caratteristiche:

- "HC - RA" (mandrino idraulico con regolazione di run-out) è molto utile e adatto per operazioni di alesatura.
- È bloccato idraulicamente, il che fornisce una buona coppia di serraggio e con l'aiuto di 3 cunei regolabili possiamo impostare esattamente.
- Un anello di copertura sigilla il sistema regolabile interno e quindi richiede poca manutenzione ed è suscettibile allo sporco.
- Richiedi di utilizzare il nostro manuale del mandrino idraulico per un serraggio/cura e manutenzione sicuri.





Col prendere possesso della merce, l'acquirente accetta incondizionatamente tutte le condizioni generali di vendita.

Note

ERRECI
SISTEMI PER PRODURRE

Präzisions-Spannwerkzeuge

HIGH PRECISION TOOLHOLDERS

La tecnologia dei Mandrini !



Distributore di zona:

