

CATALOGO  
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# PRÄZISIONS-SPANNWERKZEUGE HIGH PRECISION TOOLHOLDERS

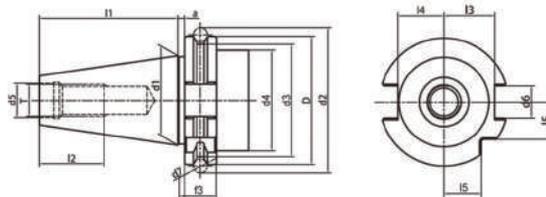
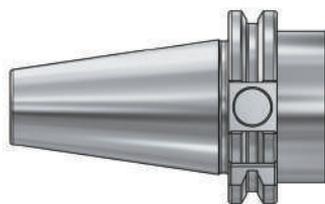
**HiTECH** La tecnologia dei mandrini!



**HiTECH**  
**SEH**  
PRÄZISIONSWERKZEUGE

## SK Taper Standard

### Cono SK standard



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

**Taper standard/Standard cono:** DIN 69871

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

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

**Taper tolerance/Tolleranza conica:** AT3

**Hardness/Durezza:** HRC 56-60

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

**Surface Roughness/Rugosità superficiale:** Ra 0,2 μm

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

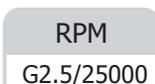
**Cooling:/Raffreddamento:** AD; AD/B



Socket type according to DIN6499  
tipologia di presa secondo DIN6499



Run Out less than 0.003  
Run Out inferiore a 0.003



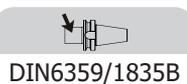
Balance G2.5/ 25,000 rpm  
Bilanciatura G2.5/ 25.000 Giri



AD Lubrication  
Lubrificazione AD



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



Socket type according to DIN6359  
tipologia di presa secondo DIN6359

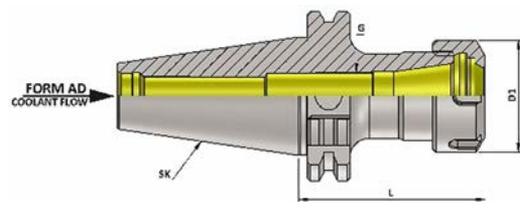
🇮🇹 Disponibile magazzino Italia ● Disponibile in 48 ore ● Disponibile in 5 giorni ● Disponibile in 20 giorni

## ER Collet Chuck

### Mandrino ER



DIN6499	A ↗ ≤0.003	RPM G2.5/25000	AD
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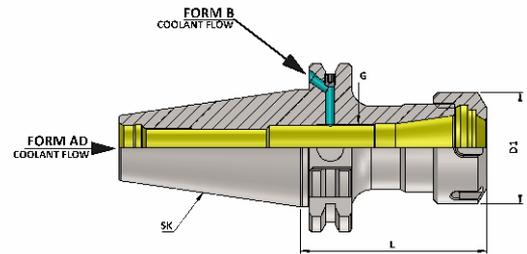


Code	Size	Capacity	D1	L	D	Euro
402.02.10.HT	SK40-ER16-63	1-10	32	63	28	51,50 €
402.02.16.HT	SK40-ER25-70	2-16	42	70	42	51,50 €
402.02.20.HT	SK40-ER32-70	2-20	50	70	40	52,50 €
402.02.26.HT	SK40-ER40-80	3-26	63	80	63	53,50 €
402.02.10.1.HT	SK40-ER16-100	1-10	32	100	28	53,20 €
402.02.16.1.HT	SK40-ER25-100	2-16	42	100	42	59,70 €
402.02.20.1.HT	SK40-ER32-100	2-20	50	100	50	59,70 €
402.02.26.1.HT	SK40-ER40-100	3-26	63	100	63	67,90 €

SK30 / SK50 disponibili in 20 giorni



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

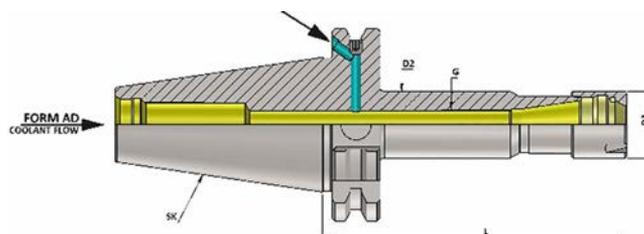
SK30 / SK50 disponibili in 20 giorni

## ER MINI Collet Chuck

### Mandrino MINI ER



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

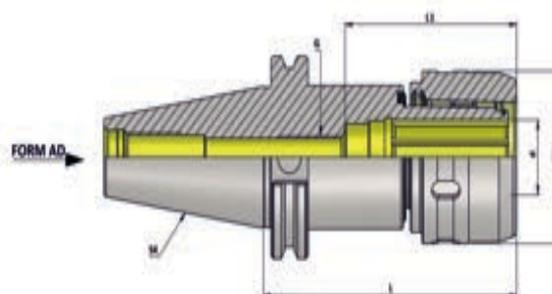
SK30 / SK50 disponibili in 20 giorni

## Power Milling Chuck

### Mandrino Forte Serraggio



A ↗ ≤0.008	AD
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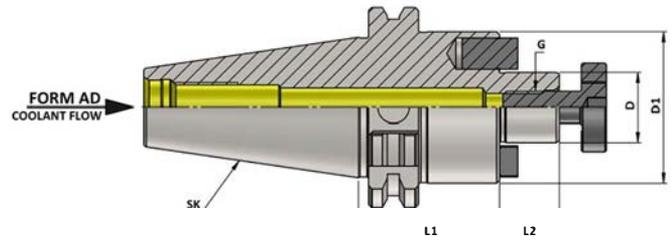
Code	Size	Capacity	d	D	L	Euro
402.64.20.S.HT	SK40-HC20-85	3-16; 20	20	50	85	204,30 €
402.64.25.S.HT	SK40-HC25-100	3-20; 25	25	59	100	209,70 €
402.64.32.S.HT	SK40-HC32-105	3-25; 32	32	72	105	215,10 €

SK40 AD/B art.403.64.20.HT 403.64.32.HT disponibili in 5 giorni

SK50 disponibili in 5 giorni

## Face Mill Holder

### Mandrino Porta frese a trascinamento



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

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



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

### Mandrino Weldon AD/B (AD/AF)



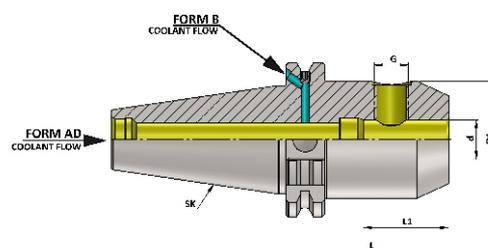
DIN6359/1835B

A ↗  
≤0.005

RPM  
G2.5/25000



AD/B



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

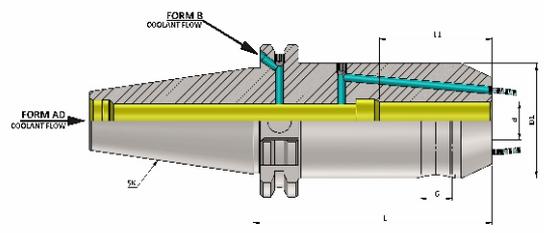
SK50 disponibili in 5 giorni ●

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

### Mandrino Weldon con lubrificazione frontale AD/AF



DIN6359/1835B	A ↗ ≤0.005	RPM G2.5/25000	AD/B
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Code	Size	d	D1	D2	G	L	L1	L2	Screw Q.ty	Euro	
403.04.06.K.HT	SK40 WE06 050 K	6	25	-	M6	50	34	-	1	69,90 €	●
403.04.08.K.HT	SK40 WE08 050 K	8	28	-	M8	50	34	-	1	67,10 €	●
403.04.10.K.HT	SK40 WE10 050 K	10	35	-	M10	50	40	-	1	67,10 €	●
403.04.12.K.HT	SK40 WE12 050 K	12	42	-	M12	50	46	-	1	67,10 €	●
403.04.16.K.HT	SK40 WE16 063 K	16	48	-	M14	63	48	-	1	69,90 €	●
403.04.20.K.HT	SK40 WE20 063 K	20	52	-	M16	63	52	-	1	69,90 €	●
403.04.06.1.K.HT	SK40 WE06 100 K	6	25	36	M6	100	34	40	1	84,90 €	●
403.04.08.1.K.HT	SK40 WE08 100 K	8	28	38	M8	100	34	40	1	82,10 €	●
403.04.10.1.K.HT	SK40 WE10 100 K	10	35	40	M10	100	40	40	1	82,10 €	●
403.04.12.1.K.HT	SK40 WE12 100 K	12	42	-	M12	100	46	-	1	82,10 €	●
403.04.16.1.K.HT	SK40 WE16 100 K	16	48	-	M14	100	48	-	1	88,60 €	●
403.04.20.1.K.HT	SK40 WE20 100 K	20	52	-	M16	100	52	-	1	88,60 €	●
403.04.06.3.K.HT	SK40 WE06 160 K	6	25	36	M6	160	34	80	1	158,80 €	●
403.04.08.3.K.HT	SK40 WE08 160 K	8	28	40	M8	160	34	80	1	147,30 €	●
403.04.10.3.K.HT	SK40 WE10 160 K	10	35	40	M10	160	40	80	1	147,30 €	●
403.04.12.3.K.HT	SK40 WE12 160 K	12	42	-	M12	160	46	-	1	147,30 €	●
403.04.16.3.K.HT	SK40 WE16 160 K	16	48	-	M14	160	48	-	1	147,30 €	●
403.04.20.3.K.HT	SK40 WE20 160 K	20	52	-	M16	160	52	-	1	147,30 €	●

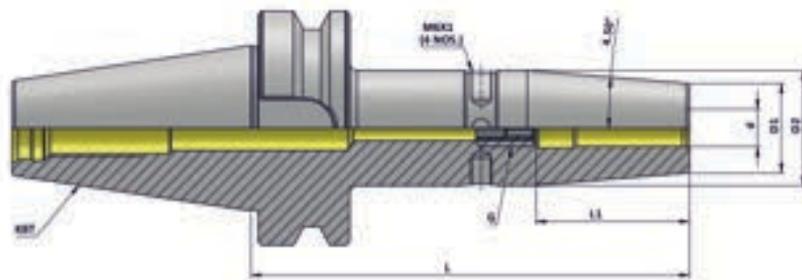
SK50 disponibili in 5 giorni ●

## Shrink Fit Chuck, 4.5°, Standard AD

## Mandrino a Calettare 4,5° AD



FORM AD

A ↗  
≤0.003RPM  
G2.5/25000

AD

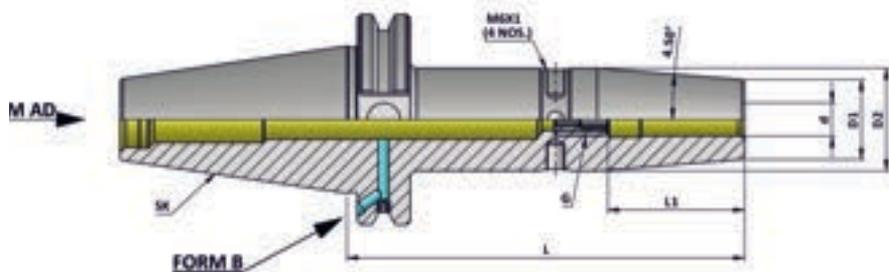
Code	Size	d	D	D1	L	L2	L1	G	Euro
402.70.03.HT	SK40-SF03-80	3	15	20	80	60.9	-	-	157,70 €
402.70.04.HT	SK40-SF04-80	4	15	20	80	60.9	-	-	122,20 €
402.70.06.HT	SK40-SF06-80	6	21	27	80	60.9	36	M5	105,10 €
402.70.08.HT	SK40-SF08-80	8	21	27	80	60.9	36	M6	105,10 €
402.70.10.HT	SK40-SF10-80	10	24	31	80	60.9	42	M8	105,10 €
402.70.12.HT	SK40-SF12-80	12	24	31	80	60.9	47	M10	105,10 €
402.70.16.HT	SK40-SF16-80	16	27	34	80	60.9	50	M12	105,10 €
402.70.20.HT	SK40-SF20-80	20	33	40	80	60.9	52	M16	105,10 €
402.70.03.1.HT	SK40-SF03-120	3	15	20	120	100.9	-	-	199,40 €
402.70.04.1.HT	SK40-SF04-120	4	15	20	120	100.9	-	-	162,90 €
402.70.06.1.HT	SK40-SF06-120	6	21	27	120	100.9	36	M5	140,60 €
402.70.08.1.HT	SK40-SF08-120	8	21	27	120	100.9	36	M6	140,60 €
402.70.10.1.HT	SK40-SF10-120	10	24	32	120	100.9	42	M8	140,60 €
402.70.12.1.HT	SK40-SF12-120	12	24	32	120	100.9	47	M10	140,60 €
402.70.16.1.HT	SK40-SF16-120	16	27	34	120	100.9	50	M12	140,60 €
402.70.20.1.HT	SK40-SF20-120	20	31	42	120	100.9	52	M16	140,60 €

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
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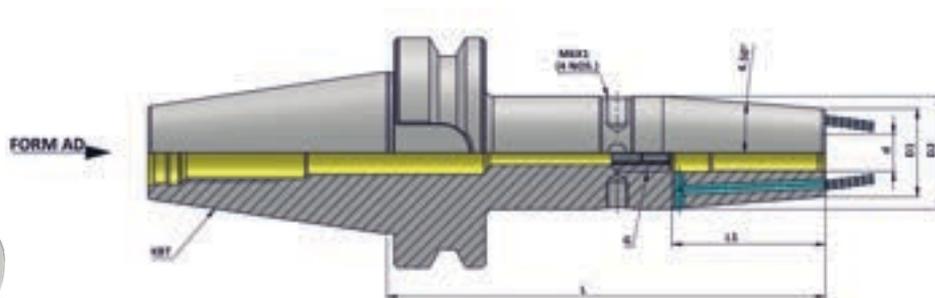


Code	Size	d	D	D1	L	L2	L1	G	Euro	
403.70.03.HT	SK40-SF03-80	3	10	20	80	60.9	12	—	<b>173,90 €</b>	●
403.70.04.HT	SK40-SF04-80	4	15	22	80	60.9	14	—	<b>169,40 €</b>	●
403.70.06.HT	SK40-SF06-80	6	21	27	80	60.9	36	M5	<b>120,00 €</b>	●
403.70.08.HT	SK40-SF08-80	8	21	27	80	60.9	36	M6	<b>120,00 €</b>	●
403.70.10.HT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

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	-	-	174,80 €
402.70.04.K.HT	SK40-SF04-80K	4	15	20	80	60.9	-	-	174,80 €
402.70.06.K.HT	SK40-SF06-80K	6	21	27	80	60.9	36	M5	140,60 €
402.70.08.K.HT	SK40-SF08-80K	8	21	27	80	60.9	36	M6	140,60 €
402.70.10.K.HT	SK40-SF10-80K	10	24	32	80	60.9	42	M8x1	140,60 €
402.70.12.K.HT	SK40-SF12-80K	12	24	32	80	60.9	47	M10x1	140,60 €
402.70.16.K.HT	SK40-SF16-80K	16	27	34	80	60.9	50	M12x1	140,60 €
402.70.20.K.HT	SK40-SF20-80K	20	33	42	80	60.9	52	M16x1	140,60 €
402.70.06.1.K.HT	SK40-SF06-120K	6	21	27	120	100.9	36	M5	174,80 €
402.70.08.1.K.HT	SK40-SF08-120K	8	21	27	120	100.9	36	M6	174,80 €
402.70.10.1.K.HT	SK40-SF10-120K	10	24	32	120	100.9	42	M8x1	174,80 €
402.70.12.1.K.HT	SK40-SF12-120K	12	24	32	120	100.9	47	M10x1	174,80 €
402.70.16.1.K.HT	SK40-SF16-120K	16	27	34	120	100.9	50	M12x1	174,80 €
402.70.20.1.K.HT	SK40-SF20-120K	20	33	42	120	100.9	52	M16x1	174,80 €

Lunghezze 160mm Disponibile in 20 giorni

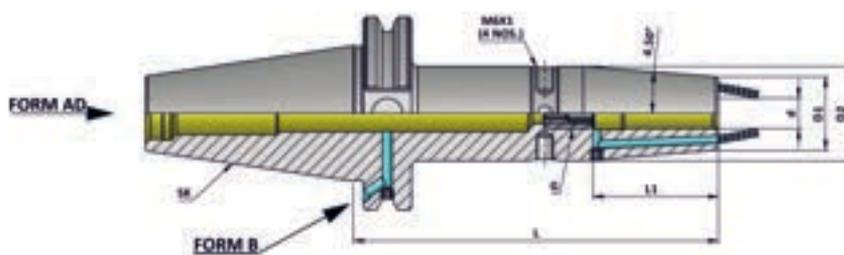
## Shrink Fit Chuck, 4.5°, Coolant AD/AF (AD/B)

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

A ↗  
≤0.003

RPM  
G2.5/25000

AD/B



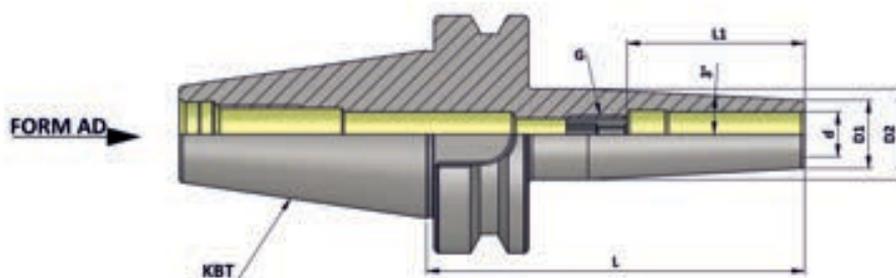
Code	Size	d	D	D1	L	L2	L1	G	Euro
403.70.03.K.HT	SK40-SF03-80K	3	10	20	80	60.9	12	-	207,00 €
403.70.04.K.HT	SK40-SF04-80K	4	15	22	80	60.9	14	-	202,50 €
403.70.06.K.HT	SK40-SF06-80K	6	21	27	80	60.9	36	M5	152,90 €
403.70.08.K.HT	SK40-SF08-80K	8	21	27	80	60.9	36	M6	152,90 €
403.70.10.K.HT	SK40-SF10-80K	10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

Lunghezze 160mm Disponibile in 20 giorni

## Shrink Fit Chuck, Series SLIM 3°AD

### Mandrino a Calettare, SLIM 3° AD

A ↗ ≤0.003	RPM G2.5/25000	 AD
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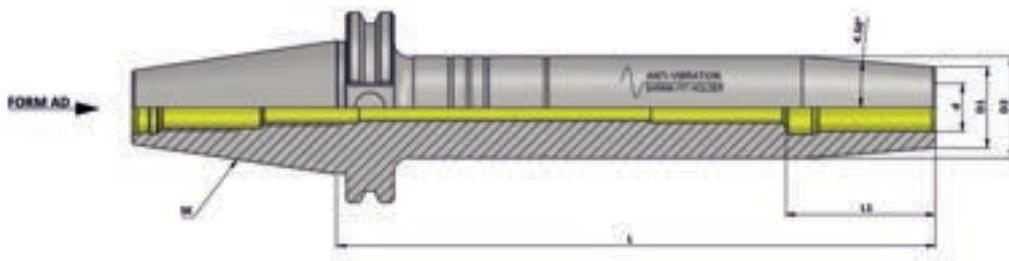
Code	Size	d	D	D1	L	L1	G	Euro
402.72.03.HT	SK40-SFS03-80	3	9	16.1	80	-	-	157,70 € 
402.72.04.HT	SK40-SFS04-80	4	10	17.1	80	-	-	122,20 € 
402.72.06.HT	SK40-SFS06-80	6	12	19.1	80	36	M5	105,10 € 
402.72.08.HT	SK40-SFS08-80	8	14	21.1	80	36	M6	105,10 € 
402.72.10.HT	SK40-SFS10-80	10	16	23.1	80	42	M8x1	105,10 € 
402.72.12.HT	SK40-SFS12-80	12	18	25.1	80	47	M10x1	105,10 € 
402.72.16.HT	SK40-SFS16-80	16	22	29.1	80	50	M12x1	105,10 € 
402.72.03.1.HT	SK40-SFS03-120	3	9	19.1	120	-	-	193,20 € 
402.72.04.1.HT	SK40-SFS04-120	4	10	20.1	120	-	-	157,70 € 
402.72.06.1.HT	SK40-SFS06-120	6	12	22.1	120	36	M5	140,60 € 
402.72.08.1.HT	SK40-SFS08-120	8	14	24.1	120	36	M6	140,60 € 
402.72.10.1.HT	SK40-SFS10-120	10	16	26.1	120	42	M8x1	140,60 € 
402.72.12.1.HT	SK40-SFS12-120	12	18	28.1	120	47	M10x1	140,60 € 
402.72.16.1.HT	SK40-SFS16-120	16	22	32.1	120	50	M12x1	140,60 € 

## Shrink Fit Holder Anti-Vibration 4.5° AD

### Mandrino a Calettare Anti-vibrante 4,5° AD

A ↗  
≤0.01

AD



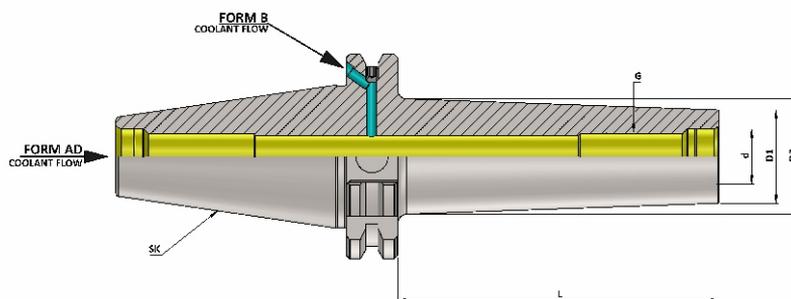
Code	Size	d	D2	D1	L	L1	Euro
403.75.16.HT	SK40 SFH16 200 AD/AV	16	27	34	200	49	601,10 €
403.75.16.1.HT	SK40 SFH16 250 AD/AV	16	27	34	250	49	822,10 €
403.75.16.2.HT	SK40 SFH16 300 AD/AV	16	27	34	300	49	968,50 €
403.75.20.HT	SK40 SFH20 200 AD/AV	20	33	40	200	51	601,10 €
403.75.20.1.HT	SK40 SFH20 250 AD/AV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



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

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

A ↗ ≤0.003	RPM G2.5/25000	 AD/B
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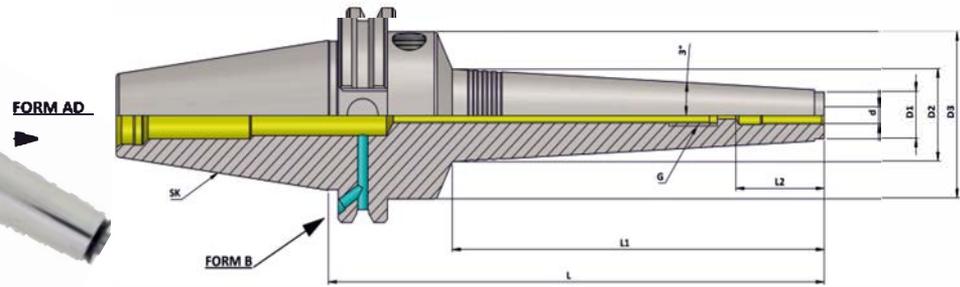


Code	Size	d	D1	D2	G	L	Euro
403.06.06.HT	SK40 MCA06 025	6.5	10	13	M6	25	121,60 €
403.06.06.1.HT	SK40 MCA06 050	6.5	10	20	M6	50	140,60 €
403.06.06.2.HT	SK40 MCA06 075	6.5	10	23	M6	75	153,30 €
403.06.08.HT	SK40 MCA08 025	8.5	13	15	M8	25	121,60 €
403.06.08.1.HT	SK40 MCA08 050	8.5	13	23	M8	50	140,60 €
403.06.08.2.HT	SK40 MCA08 075	8.5	13	23	M8	75	153,30 €
403.06.08.3.HT	SK40 MCA08 100	8.5	13	25	M8	100	173,10 €
403.06.10.HT	SK40 MCA10 025	10.5	18	20	M10	25	121,60 €
403.06.10.1.HT	SK40 MCA10 050	10.5	18	23	M10	50	133,60 €
403.06.10.2.HT	SK40 MCA10 075	10.5	18	28	M10	75	153,30 €
403.06.10.3.HT	SK40 MCA10 100	10.5	18	32	M10	100	178,00 €
403.06.12.HT	SK40 MCA12 025	12.5	21	24	M12	25	121,60 €
403.06.12.1.HT	SK40 MCA12 050	12.5	21	24	M12	50	133,60 €
403.06.12.2.HT	SK40 MCA12 075	12.5	21	31	M12	75	153,30 €
403.06.12.3.HT	SK40 MCA12 100	12.5	21	33	M12	100	178,00 €
403.06.12.4.HT	SK40 MCA12 125	12.5	21	36	M12	125	201,30 €
403.06.16.HT	SK40 MCA16 025	17.0	29	29	M16	25	125,90 €
403.06.16.1.HT	SK40 MCA16 050	17.0	29	34	M16	50	140,60 €
403.06.16.2.HT	SK40 MCA16 075	17.0	29	34	M16	75	153,30 €
403.06.16.3.HT	SK40 MCA16 100	17.0	29	36	M16	100	178,00 €
403.06.16.4.HT	SK40 MCA16 125	17.0	29	40	M16	125	206,30 €
403.06.16.5.HT	SK40 MCA16 150	17.0	29	42.5	M16	150	213,40 €

# Hydraulic Expansion Chuck SLIM 3° AD/AF

## Mandrino Idraulico SLIM 3° AD/AF

A ↗ ≤0.003	RPM G2.5/25000	AD/F
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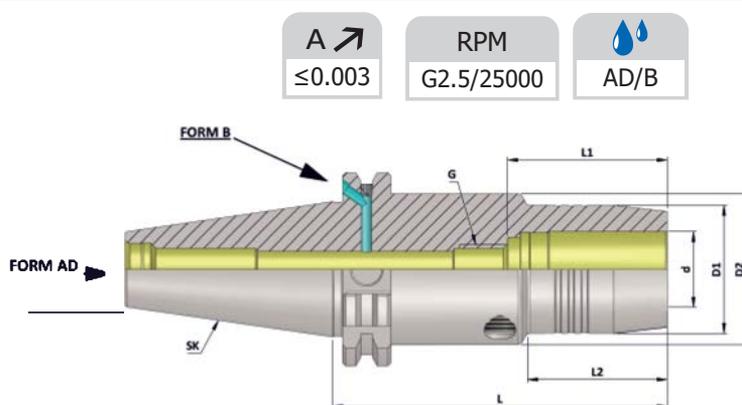


Tool Holder DIN 69871

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

## Hydraulic Expansion Chuck AD/AF

### Mandrino Idraulico AD/AF



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

## Hydraulic Collet Set

### Set Mandrino idraulico con riduzioni

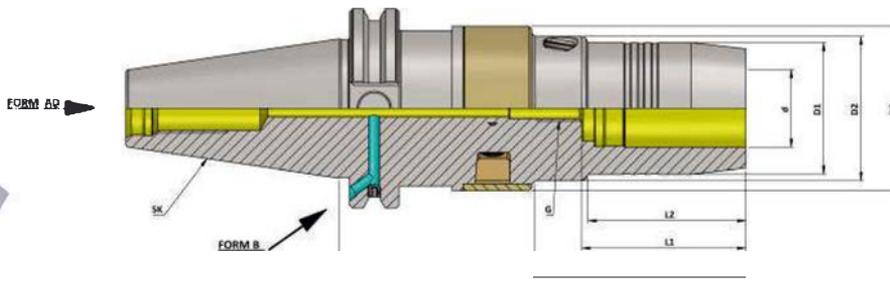


Code	Hydraulic chuck	Hydraulic Collet	Collet Quantity	key Size	Euro
403.H20SRD	SK40-H20-80.5	HY20-6.8.10.12.16	5pcs	5L	518,00 €

## Hydraulic Expansion Chuck with "Run Out" adjustment

### Mandrino Idraulico con regolazione assiale

<b>A ↗</b> ≤0.003	<b>RPM</b> G2.5/25000	<b>AD</b>
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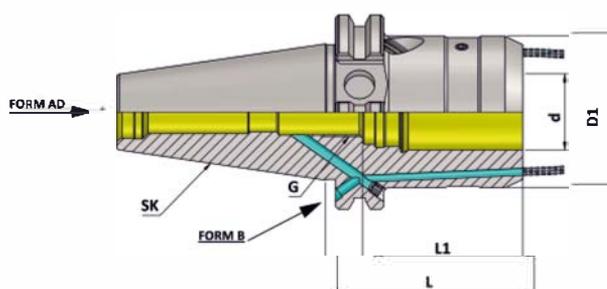
Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro
403.H20.RA.HT	SK40 H20 130	20	42	46	52.5	MB	130	51	50	67.5	706,90 €
403.H32.RA.HT	SK40 H32 150	32	42	46	52.5	MB	150	51	50	67.5	837,10 €
503.H20.RA.HT	SK50 H20 110	20	42	46	52.5	MB	110	51	50	67.5	837,10 €
503.H32.RA.HT	SK50 H32 125	32	42	46	52.5	MB	125	51	50	67.5	930,10 €

## Hydraulic Expansion Chuck Heavy Duty power AD/AF

**HEAVY DUTY  
POWER**

### Mandrino Idraulico per impieghi gravosi AD/AF

<b>A ↗</b> ≤0.003	<b>RPM</b> G2.5/25000	<b>AD/B</b>
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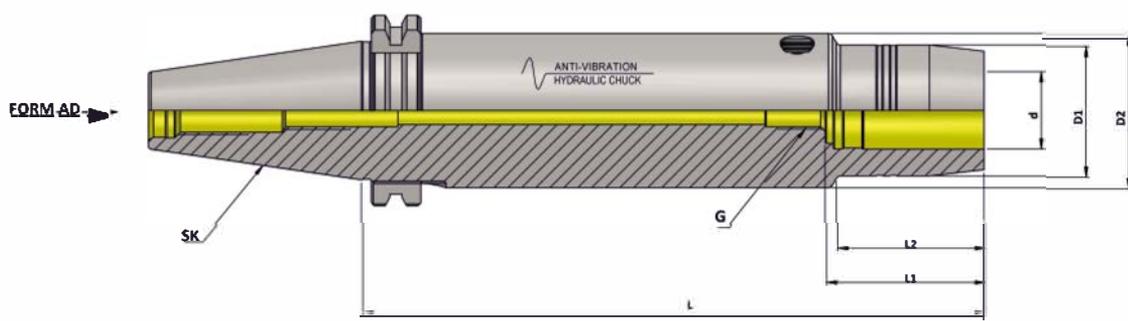
Code	Description	d	D1	G	L	L1	Euro
403.H12.HD.HT	SK40 H12S 050 FCC	12	42	M10	50	40	253,00 €
403.H20.HD.HT	SK40 H20S 64.5 FCC	20	50	M10	64.5	42	253,00 €
503.H12.HD.HT	SK50 H12S 50.5 FCC	12	42	M10	50.5	40	272,20 €
503.H20.HD.HT	SK50 H20S 64.5 FCC	20	50	M16	64.5	42	272,20 €
503.H32.HD.HT	SK50 H32S 81.0 FCC	32	72	M16	81	55	284,40 €

## Hydraulic Expansion Chuck Anti - Vibration AD

### Mandrino Idraulico Anti - vibrante AD

A ↗  
≤0.003

AD

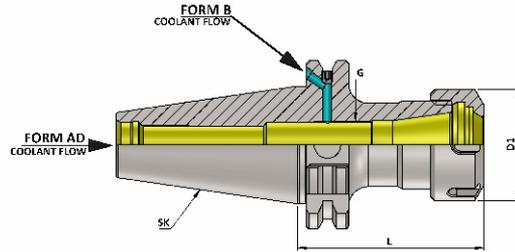


Code	Description	d	D1	D2	G	L	L1	L2	Euro
403.H20 200.AV.HT	SK40 H20 200 AD/AV	20	42	49.5	M16	200	51	47	1.004,40 €
403.H20 250.AV.HT	SK40 H20 250 AD/AV	20	42	49.5	M16	250	51	47	1.320,60 €
403.H20 300.AV.HT	SK40 H20 300 AD/AV	20	42	49.5	M16	300	51	47	1.506,70 €
403.H25 200.AV.HT	SK40 H25 200 AD/AV	25	52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



## ER Collet Chuck

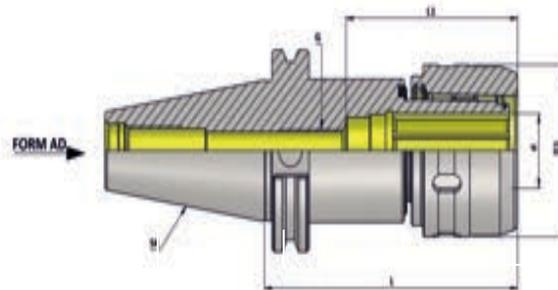
### Mandrino ER



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

## Power Milling Chuck

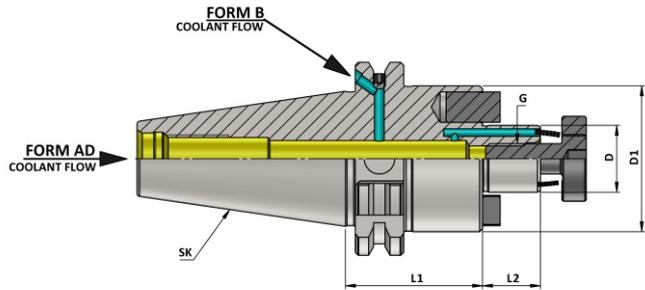
### Mandrino Forte Serraggio



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

## Face Mill Holder

### Mandrino Porta frese a trascinamento



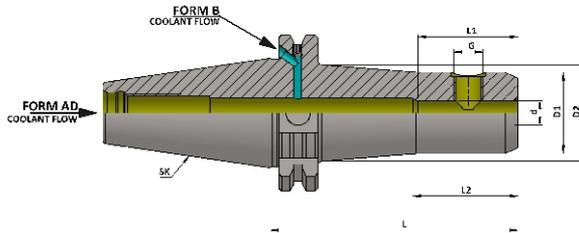
Code	Size	d	D	L	L2	G	Euro	
503.11.16.HT	SK50-FMH16-45	16	38	45	17	M8	127,20 €	●
503.11.16.1.HT	SK50-FMH16-100	16	38	100	17	M8	137,00 €	●
503.11.16.2.HT	SK50-FMH16-160	16	38	160	17	M8	154,70 €	●
503.11.22.HT	SK50-FMH22-45	22	48	45	19	M10	107,80 €	●
503.11.22.1.HT	SK50-FMH22-100	22	48	100	19	M10	131,70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

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

### Mandrino Weldon AD/B (AD/AF)



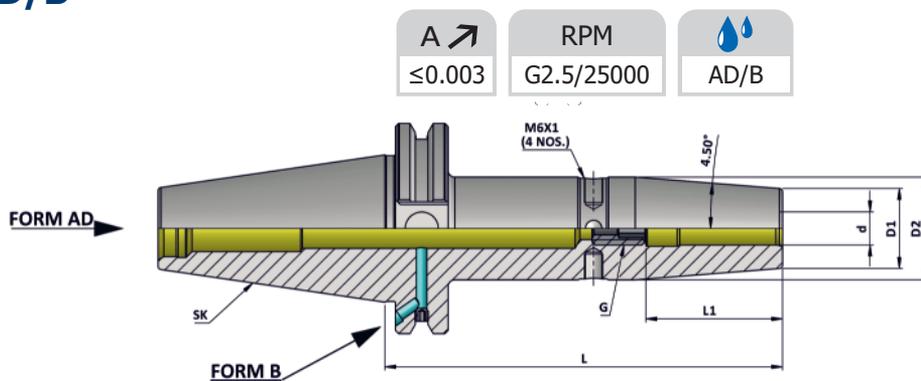
 DIN6359/1835B	 A ↗ ≤0.005	 RPM G2.5/25000	 AD/B
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Code	Size	d	D1	D2	M	L	L1	L2	Screw	Euro	
503.04.06.HT	SK50 WE06 063	6	25	-	M6	63	34	-	1	89,90 €	●
503.04.06.1.HT	SK50 WE06 100	6	25	36	M6	100	34	45	1	107,20 €	●
503.04.06.3.HT	SK50 WE06 160	6	25	36	M6	160	34	80	1	212,00 €	●
503.04.08.HT	SK50 WE08 063	8	28	-	M8	63	34	-	1	87,00 €	●
503.04.08.1.HT	SK50 WE08 100	8	28	38	M8	100	34	45	1	103,40 €	●
503.04.08.3.HT	SK50 WE08 160	8	28	38	M8	160	34	80	1	193,40 €	●
503.04.10.HT	SK50 WE10 063	10	35	-	M10	63	40	-	1	87,00 €	●
503.04.10.1.HT	SK50 WE10 100	10	35	42	M10	100	40	45	1	103,40 €	●
503.04.10.3.HT	SK50 WE10 160	10	35	42	M10	160	40	80	1	193,40 €	●
503.04.12.HT	SK50 WE12 063	12	42	-	M12	63	46	-	1	87,00 €	●
503.04.12.1.HT	SK50 WE12 100	12	42	48	M12	100	46	45	1	103,40 €	●
503.04.12.3.HT	SK50 WE12 160	12	42	48	M12	160	46	80	1	193,40 €	●
503.04.16.HT	SK50 WE16 063	16	48	-	M14	63	48	-	1	87,00 €	●
503.04.16.1.HT	SK50 WE16 100	16	48	54	M14	100	48	45	1	103,40 €	●
503.04.16.3.HT	SK50 WE16 160	16	48	54	M14	160	48	80	1	200,80 €	●
503.04.20.HT	SK50 WE20 063	20	52	-	M16	63	52	-	1	87,00 €	●
503.04.20.1.HT	SK50 WE20 100	20	52	59	M16	100	52	45	1	103,40 €	●
503.04.20.3.HT	SK50 WE20 160	20	52	59	M16	160	52	80	1	193,40 €	●
503.04.25.HT	SK50 WE25 080	25	65	-	M18X2	80	56	-	2	96,60 €	●
503.04.25.1.HT	SK50 WE25 100	25	65	-	M18X2	100	56	-	2	125,00 €	●
503.04.25.3.HT	SK50 WE25 160	25	65	-	M18X2	160	56	-	2	177,90 €	●
503.04.32.HT	SK50 WE32 100	32	72	-	M20X2	100	60	-	2	107,00 €	●
503.04.32.3.HT	SK50 WE32 160	32	72	-	M20X2	160	60	-	2	180,00 €	●
503.04.40.HT	SK50 WE40 120	40	80	-	M20X2	120	70	-	2	144,00 €	●
503.04.40.3.HT	SK50 WE40 160	40	80	-	M20X2	160	70	-	2	197,10 €	●

# Shrink Fit Chuck, 4.5°, Standard AD/B

## Mandrino a Calettare 4,5° AD/B

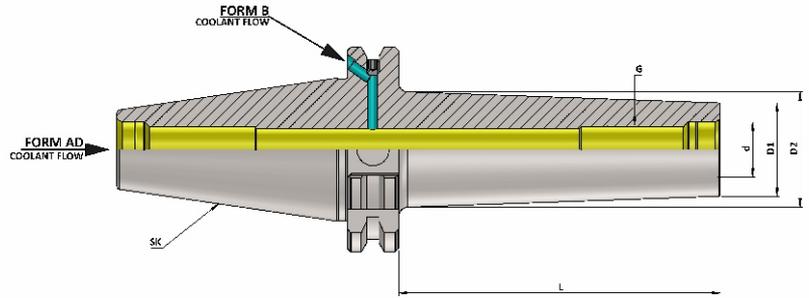


Code	Size	d	D1	D2	G	L	L1	Euro
503.70.3.HT	SK50 SFH03-80	3	10	20	—	80	12	266,40 €
503.70.3.1.HT	SK50 SFH03-120	3	10	20	—	120	12	291,20 €
503.70.3.2.HT	SK50 SFH03-160	3	10	20	—	160	12	322,40 €
503.70.4.HT	SK50 SFH04-80	4	15	22	—	80	14	259,20 €
503.70.4.1.HT	SK50 SFH04-120	4	15	22	—	120	14	286,40 €
503.70.4.2.HT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

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

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

A ↗ ≤0.003	RPM G2.5/25000	AD/B
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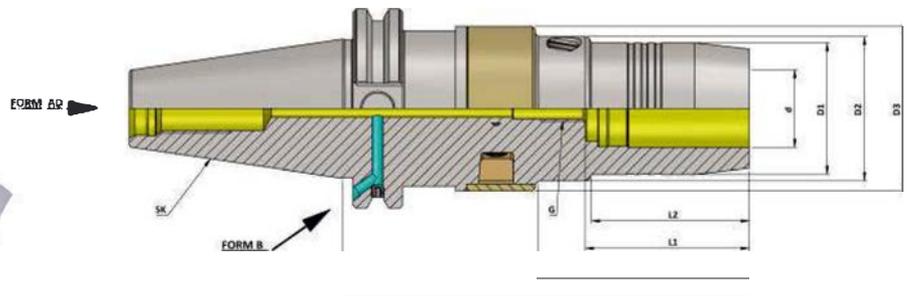


Code	Size	d	D1	D2	G	L	Euro
503.06.08.HT	SK50 MCA08 050	8.5	13	23	M8	50	177,10 €
503.06.08.1.HT	SK50 MCA08 100	8.5	13	25	M8	100	219,50 €
503.06.08.2.HT	SK50 MCA08 150	8.5	13	30	M8	150	256,00 €
503.06.10.HT	SK50 MCA10 050	10.5	18	23	M10	50	177,10 €
503.06.10.1.HT	SK50 MCA10 100	10.5	18	32	M10	100	219,50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

## Hydraulic Expansion Chuck with "Run Out" adjustment

### Mandrino Idraulico con regolazione assiale

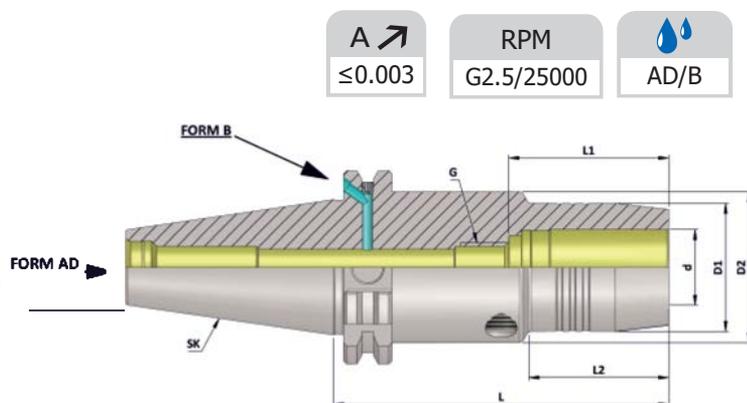
A ↗ ≤0.003	RPM G2.5/25000	AD
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Code	Description	d	D1	D2	D3	G	L	L1	L2	L3	Euro
503.H20.RA.HT	SK50 H20 110	20	42	46	52.5	MB	110	51	50	67.5	837,10 €
503.H32.RA.HT	SK50 H32 125	32	42	46	52.5	MB	125	51	50	67.5	930,10 €

# Hydraulic Expansion Chuck AD/AF

## Mandrino Idraulico AD/AF



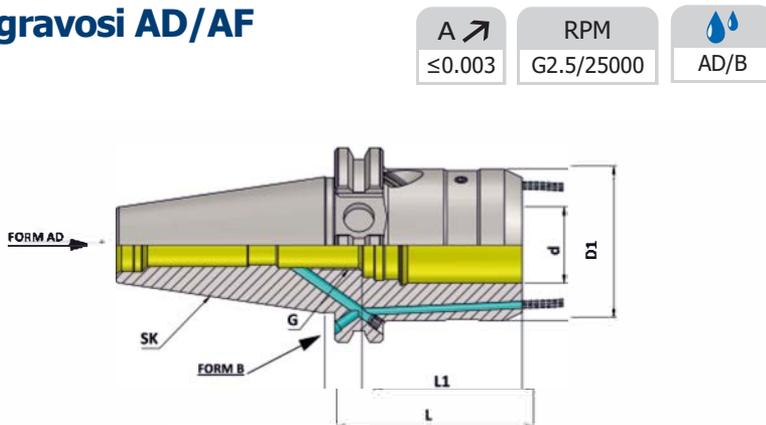
Tool Holder DIN 69871

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

# Hydraulic Expansion Chuck Heavy Duty power AD/AF

**HEAVY DUTY  
POWER**

## Mandrino Idraulico per impieghi gravosi AD/AF



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