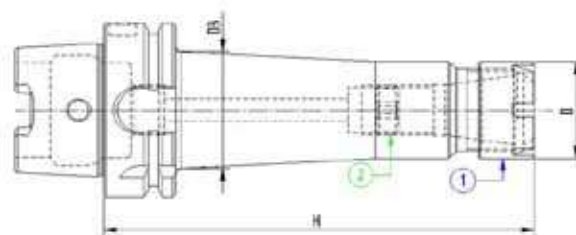


HSK 1000/A



### STANDARD

Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APM210	100/A	HSK100/A DIN69893 P/P H100 ER16MINI	16	22	100	28	●
61APM213	100/A	HSK100/A DIN69893 P/P H100 ER20MINI	20	28	100	28	●
61APM216	100/A	HSK100/A DIN69893 P/P H100 ER25MINI	25	35	100	35	●

### L=160

Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APM410	100/A	HSK100/A DIN69893 P/P H160 ER16MINI	16	22	160	30	●
61APM413	100/A	HSK100/A DIN69893 P/P H160 ER20MINI	20	28	160	35	●
61APM416	100/A	HSK100/A DIN69893 P/P H160 ER25MINI	25	35	160	48	●

### L=200

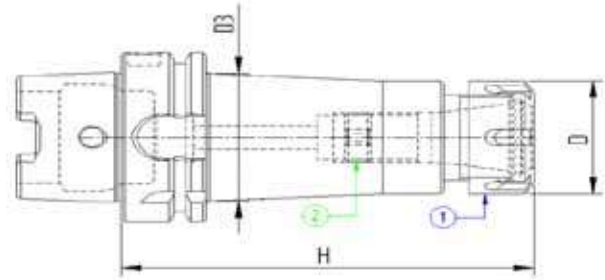
Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APM510	100/A	HSK100/A DIN69893 P/P H200 ER16MINI	16	22	200	32	●
61APM513	100/A	HSK100/A DIN69893 P/P H200 ER20MINI	20	28	200	38	●
61APM516	100/A	HSK100/A DIN69893 P/P H200 ER25MINI	25	35	200	45	●

### COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

ER MINI	Ghiera	Q.tà	Grano Interno	Q.tà
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16	916GHRMN	1	101001601	1
20	920GHRMN	1	101001601	1
25	925GHRMN	1	101815801	1



**L=100**

Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APP210	100/A	HSK100/A DIN69893 P/P H.100 ER16	16	32	100	32	●
61APP213	100/A	HSK100/A DIN69893 P/P H.100 ER20	20	35	100	35	●
61APP216	100/A	HSK100/A DIN69893 P/P H.100 ER25	25	42	100	42	●
61APP220	100/A	HSK100/A DIN69893 P/P H.100 ER32	32	50	100	50	●
61APP226	100/A	HSK100/A DIN69893 P/P H.100 ER40	40	63	100	63	●

**L=120**

Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APP310	100/A	HSK100/A DIN69893 P/P H120 ER16	16	32	120	37	●
61APP313	100/A	HSK100/A DIN69893 P/P H120 ER20	20	35	120	42	●
61APP316	100/A	HSK100/A DIN69893 P/P H120 ER25	25	42	120	42	●
61APP320	100/A	HSK100/A DIN69893 P/P H120 ER32	32	50	120	53	●
61APP326	100/A	HSK100/A DIN69893 P/P H120 ER40	40	63	120	63	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

ER	Ghiera	Q.tà	Grano Interno	Q.tà
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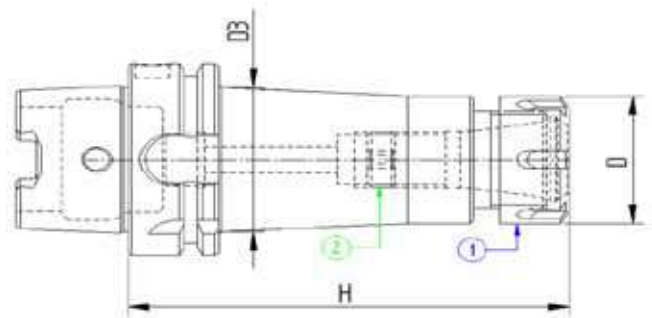
1



2



16	916GHREQ	1	101001601	1
20	920GHREQ	1	101001601	1
25	925GHREQ	1	101815801	1
32	932GHREQ	1	102215901	1
40	940GHREQ	1	102215901	1



**L=160**

Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APP410	100/A	HSK100/A DIN69893 P/P H160 ER16	16	32	160	38	●
61APP413	100/A	HSK100/A DIN69893 P/P H160 ER20	20	35	160	42	●
61APP416	100/A	HSK100/A DIN69893 P/P H160 ER25	25	42	160	48	●
61APP420	100/A	HSK100/A DIN69893 P/P H160 ER32	32	50	160	50	●
61APP426	100/A	HSK100/A DIN69893 P/P H160 ER40	40	63	160	63	●

**L=200**

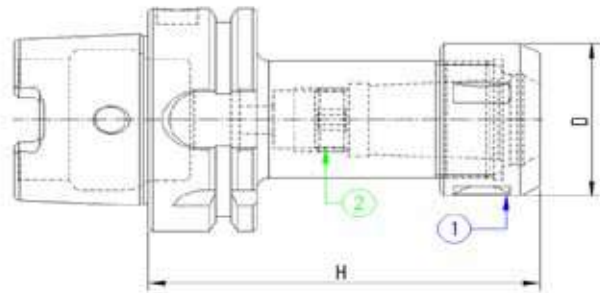
Codice	HSK	Descrizione	ER	D	H	D3	G6.3 15000
61APP510	100/A	HSK100/A DIN69893 P/P H200 ER16	16	32	200	40	●
61APP513	100/A	HSK100/A DIN69893 P/P H200 ER20	20	35	200	45	●
61APP516	100/A	HSK100/A DIN69893 P/P H200 ER25	25	42	200	48	●
61APP520	100/A	HSK100/A DIN69893 P/P H200 ER32	32	50	200	50	●
61APP526	100/A	HSK100/A DIN69893 P/P H200 ER40	40	63	200	63	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

ER	Ghiera	Q.tà	Grano Interno	Q.tà
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16	916GHREQ	1	101001601	1
20	920GHREQ	1	101001601	1
25	925GHREQ	1	101815801	1
32	932GHREQ	1	102215901	1
40	940GHREQ	1	102215901	1



Codice	HSK	Descrizione	EOC	D	H	G6.3 15000
61APO216	100/A	HSK100/A DIN69893 P/P H110 EOC16	16	43	110	●
61APO225	100/A	HSK100/A DIN69893 P/P H120 EOC25	25	60	120	●
61APO232	100/A	HSK100/A DIN69893 P/P H130 EOC32	32	72	130	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

EOC	Grano Interno	Q.tà	Ghiera	Q.tà
				
16	101815801	1	916GHROS	1
25	102215901	1	925GHROS	1
32	102215901	1	932GHROS	1

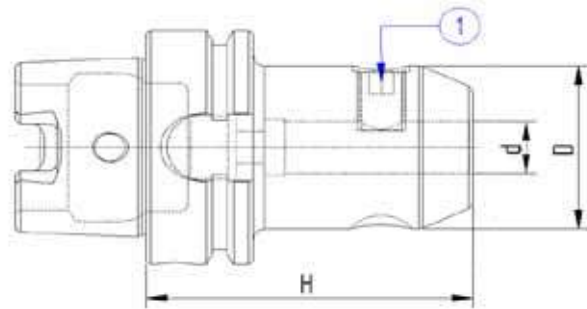


MANDRINO PORTAFRESE TIPO WELDON  
 END MILL HOLDERS WELDON  
 MANDRINS POUR OUTIL TYPE WELDON  
 ZYLINDERSCHAFTAUFNAHME WELDON



**DIN 69893**

**DIN 1835 B**



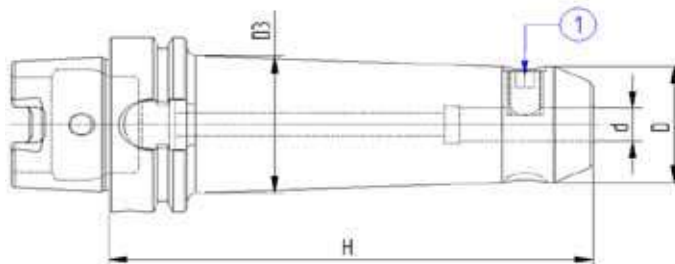
Codice	HSK	Descrizione	d	D	H	G6.3 15000
61AWLD06	100/A	HSK100/A DIN69893 WELDON H.80 D6	6	25	80	●
61AWLD08	100/A	HSK100/A DIN69893 WELDON H.80 D8	8	28	80	●
61AWLD10	100/A	HSK100/A DIN69893 WELDON H.80 D10	10	35	80	●
61AWLD12	100/A	HSK100/A DIN69893 WELDON H.80 D12	12	42	80	●
61AWLD14	100/A	HSK100/A DIN69893 WELDON H.80 D14	14	44	80	●
61AWLD16	100/A	HSK100/A DIN69893 WELDON H.100 D16	16	48	100	●
61AWLD18	100/A	HSK100/A DIN69893 WELDON H.100 D18	18	48	100	●
61AWLD20	100/A	HSK100/A DIN69893 WELDON H.100 D20	20	52	100	●
61AWLD25	100/A	HSK100/A DIN69893 WELDON H.100 D25	25	65	100	●
61AWLD32	100/A	HSK100/A DIN69893 WELDON H.100 D32	32	72	100	●
61AWLD40	100/A	HSK100/A DIN69893 WELDON H.105 D40	40	80	105	●
61AWLD50	100/A	HSK100/A DIN69893 WELDON H.160 D50	50	100	160	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

d	Grano	Q.tà
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6	100601002	1
8	100801002	1
10	101001202	1
12 - 14	101201602	1
16 - 18	101401602	1
20	101601602	1
25	101802002	2
32 - 40	102002002	2
50	102422504	2



**L=160**

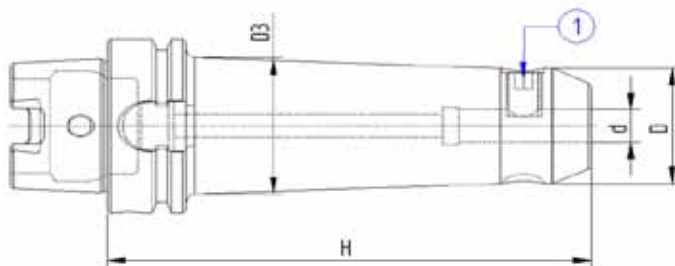
Codice	HSK	Descrizione	d	D	H	D3	G6.3 15000
61AWE406	100/A	HSK100/A DIN69893 WELDON H.160 D6	6	25	160	32	●
61AWE408	100/A	HSK100/A DIN69893 WELDON H.160 D8	8	28	160	35	●
61AWE410	100/A	HSK100/A DIN69893 WELDON H.160 D10	10	35	160	42	●
61AWE412	100/A	HSK100/A DIN69893 WELDON H.160 D12	12	42	160	49	●
61AWE414	100/A	HSK100/A DIN69893 WELDON H.160 D14	14	44	160	52	●
61AWE416	100/A	HSK100/A DIN69893 WELDON H.160 D16	16	48	160	55	●
61AWE418	100/A	HSK100/A DIN69893 WELDON H.160 D18	18	50	160	57	●
61AWE420	100/A	HSK100/A DIN69893 WELDON H.160 D20	20	52	160	60	●
61AWE425	100/A	HSK100/A DIN69893 WELDON H.160 D25	25	65	160	72	●
61AWE432	100/A	HSK100/A DIN69893 WELDON H.160 D32	32	72	160	80	●
61AWE440	100/A	HSK100/A DIN69893 WELDON H.160 D40	40	80	160	80	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

d	Grano	Q.tà
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6	100601002	1
8	100801002	1
10	101001202	1
12 - 14	101201602	1
16 - 18	101401602	1
20	101601602	1
25	101802002	2
32 - 40	102002002	2



### L=200

Codice	HSK	Descrizione	d	D	H	D3	G6.3 15000
61AWE506	100/A	HSK100/A DIN69893 WELDON H200 D6	6	25	200	35	●
61AWE508	100/A	HSK100/A DIN69893 WELDON H200 D8	8	28	200	37	●
61AWE510	100/A	HSK100/A DIN69893 WELDON H200 D10	10	35	200	44	●
61AWE512	100/A	HSK100/A DIN69893 WELDON H200 D12	12	42	200	51	●
61AWE514	100/A	HSK100/A DIN69893 WELDON H200 D14	14	44	200	53	●
61AWE516	100/A	HSK100/A DIN69893 WELDON H200 D16	16	48	200	57	●
61AWE518	100/A	HSK100/A DIN69893 WELDON H200 D18	18	50	200	59	●
61AWE520	100/A	HSK100/A DIN69893 WELDON H200 D20	20	52	200	61	●
61AWE525	100/A	HSK100/A DIN69893 WELDON H200 D25	25	65	200	72	●
61AWE532	100/A	HSK100/A DIN69893 WELDON H200 D32	32	72	200	82	●
61AWE540	100/A	HSK100/A DIN69893 WELDON H200 D40	40	80	200	80	●
61AWE550	100/A	HSK100/A DIN69893 WELDON H200 D50	50	100	200	-	●

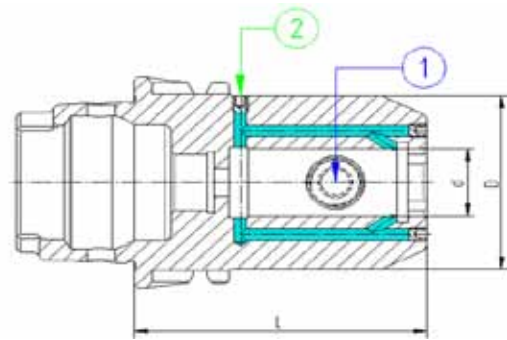
### COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

d	Grano	Q.tà
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6	100601002	1
8	100801002	1
10	101001202	1
12 - 14	101201602	1
16 - 18	101401602	1
20	101601602	1
25	101802002	2
32 - 40	102002002	2
50	102422504	2

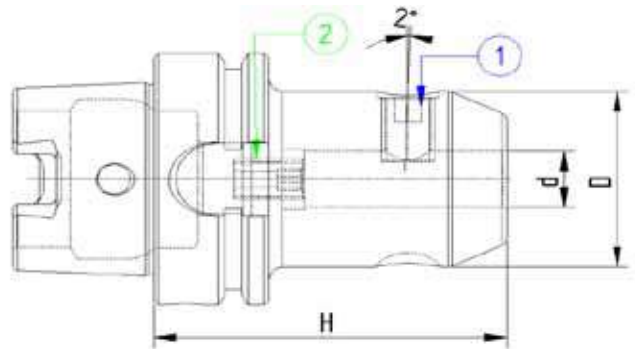




Codice	HSK	Descrizione	d	D	L	G6.3 15000
61AWLK06	100/A	HSK100/A DIN69893 WELDON/C H80 D.6	6	25	80	●
61AWLK08	100/A	HSK100/A DIN69893 WELDON/C H80 D.8	8	28	80	●
61AWLK10	100/A	HSK100/A DIN69893 WELDON/C H80 D.10	10	35	80	●
61AWLK12	100/A	HSK100/A DIN69893 WELDON/C H80 D.12	12	42	80	●
61AWLK14	100/A	HSK100/A DIN69893 WELDON/C H80 D.14	14	44	80	●
61AWLK16	100/A	HSK100/A DIN69893 WELDON/C H100 D.16	16	48	100	●
61AWLK18	100/A	HSK100/A DIN69893 WELDON/C H100 D.18	18	50	100	●
61AWLK20	100/A	HSK100/A DIN69893 WELDON/C H100 D.20	20	52	100	●
61AWLK25	100/A	HSK100/A DIN69893 WELDON/C H100 D.25	25	65	100	●
61AWLK32	100/A	HSK100/A DIN69893 WELDON/C H100 D.32	32	72	100	●
61AWLK40	100/A	HSK100/A DIN69893 WELDON/C H105 D.40	40	80	105	●



**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

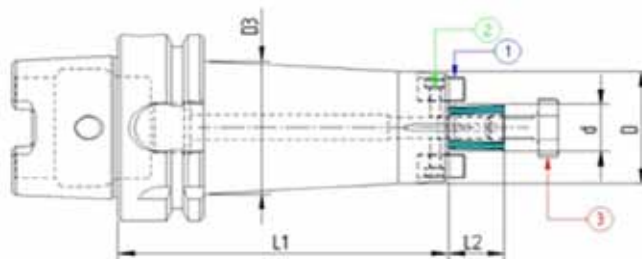
d	Grano	Q.tà	Grano	Q.tà
 				
	<b>1</b>		<b>2</b>	
6	100601002	1	100300404 M3x4	2
8	100801002	1	100400504 M4x5	2
10	101001202	1	100400504 M4x5	2
12 - 14	101201602	1	100400504 M4x5	2
16 - 18	101401602	1	100400504 M4x5	3
20	101601602	1	100400504 M4x5	3
25	101802002	2	100400504 M4x5	3
32 - 40	102002002	2	100400504 M4x5	3



Codice	HSK	Descrizione	d	D	H	G6.3 15000
61AWHN06	100/A	HSK100/A DIN69893 W/NOTCH H90 D6	6	25	90	●
61AWHN08	100/A	HSK100/A DIN69893 W/NOTCH H90 D8	8	28	90	●
61AWHN10	100/A	HSK100/A DIN69893 W/NOTCH H90 D10	10	35	90	●
61AWHN12	100/A	HSK100/A DIN69893 W/NOTCH H100 D12	12	42	100	●
61AWHN14	100/A	HSK100/A DIN69893 W/NOTCH H100 D14	14	44	100	●
61AWHN16	100/A	HSK100/A DIN69893 W/NOTCH H100 D16	16	48	100	●
61AWHN18	100/A	HSK100/A DIN69893 W/NOTCH H100 D18	18	50	100	●
61AWHN20	100/A	HSK100/A DIN69893 W/NOTCH H110 D20	20	52	110	●
61AWHN25	100/A	HSK100/A DIN69893 W/NOTCH H120 D25	25	65	120	●
61AWHN32	100/A	HSK100/A DIN69893 W/NOTCH H120 D32	32	72	120	●
61AWHN40	100/A	HSK100/A DIN69893 W/NOTCH H120 D40	40	80	120	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

d	Grano	Q.tà	Grano Interno	Q.tà
				
6	100601002	1	100501601	1
8	100801002	1	100601601	1
10	101001202	1	100801601	1
12	101201602	1	101002501	1
14	101201602	1	101002501	1
16 - 18	101401602	1	101002501	1
20	101601602	1	101204001	1
25	101802002	2	101204001	1
32 - 40	102002002	2	101204001	1



### STANDARD

Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF116	100/A	HSK100/A DIN69893 P/F FISSO H50 D16	16	50	17	38	-	●
61APF122	100/A	HSK100/A DIN69893 P/F FISSO H50 D22	22	50	19	48	-	●
61APF127	100/A	HSK100/A DIN69893 P/F FISSO H50 D27	27	50	24	58	-	●
61APF132	100/A	HSK100/A DIN69893 P/F FISSO H50 D32	32	50	24	66	-	●
61APF140	100/A	HSK100/A DIN69893 P/F FISSO H60 D40	40	60	27	80	-	●




### L = 100

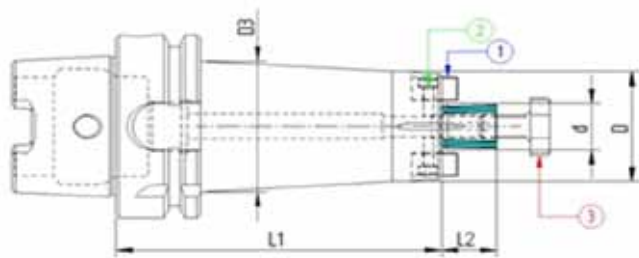
Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF216	100/A	HSK100/A DIN69893 P/F FISSO H100 D16	16	100	17	38	43	●
61APF222	100/A	HSK100/A DIN69893 P/F FISSO H100 D22	22	100	19	48	53	●
61APF227	100/A	HSK100/A DIN69893 P/F FISSO H100 D27	27	100	21	58	-	●
61APF232	100/A	HSK100/A DIN69893 P/F FISSO H100 D32	32	100	24	66	-	●
61APF240	100/A	HSK100/A DIN69893 P/F FISSO H100 D40	40	100	27	80	-	●

### L = 130

Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF316	100/A	HSK100/A DIN69893 P/F FISSO H130 D16	16	130	17	38	44	●
61APF322	100/A	HSK100/A DIN69893 P/F FISSO H130 D22	22	130	19	48	55	●
61APF327	100/A	HSK100/A DIN69893 P/F FISSO H130 D27	27	130	21	58	65	●
61APF332	100/A	HSK100/A DIN69893 P/F FISSO H130 D32	32	130	24	66	73	●
61APF340	100/A	HSK100/A DIN69893 P/F FISSO H130 D40	40	130	27	80	-	●

### COMPONENTI - SPARE PARTS - PIÈCES DETACHÉES - ERSATZTEILE

d / D	Tassello	Q.tà	Vite Tassello	Q.tà	Vite Croce	Q.tà
						
	<b>1</b>		<b>2</b>		<b>3</b>	
16 / 38	916TSL01	2	110301001	2	916VTC02	1
22 / 48	922TSL01	2	110301201	2	922VTC02	1
27 / 58	927TSL01	2	110401601	2	927VTC02	1
32 / 66	932TSL01	2	110601601	2	932VTC02	1
40 / 80	940TSL01	2	110601601	2	940VTC02	1



**L=160**

Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF416	100/A	HSK100/A DIN69893 P/F FISSO H160 D16	16	160	17	38	43	●
61APF422	100/A	HSK100/A DIN69893 P/F FISSO H160 D22	22	160	19	48	56	●
61APF427	100/A	HSK100/A DIN69893 P/F FISSO H160 D27	27	160	21	58	66	●
61APF432	100/A	HSK100/A DIN69893 P/F FISSO H160 D32	32	160	24	66	74	●
61APF440	100/A	HSK100/A DIN69893 P/F FISSO H160 D40	40	160	27	80	-	●

**L = 200**

Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF516	100/A	HSK100/A DIN69893 P/F FISSO H200 D16	16	200	17	38	47	●
61APF522	100/A	HSK100/A DIN69893 P/F FISSO H200 D22	22	200	19	48	58	●
61APF527	100/A	HSK100/A DIN69893 P/F FISSO H200 D27	27	200	21	58	67	●
61APF532	100/A	HSK100/A DIN69893 P/F FISSO H200 D32	32	200	24	66	75	●
61APF540	100/A	HSK100/A DIN69893 P/F FISSO H200 D40	40	200	27	80	-	●

**L = 250**

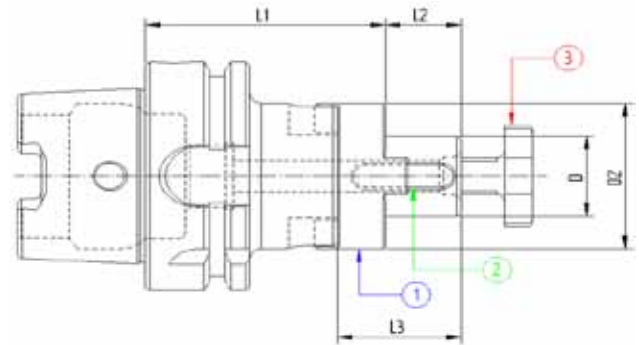
Codice	HSK	Descrizione	d	L1	L2	D	D3	G6.3 15000
61APF616	100/A	HSK100/A DIN69893 P/F FISSO H250 D16	16	250	17	38	48	●
61APF622	100/A	HSK100/A DIN69893 P/F FISSO H250 D22	22	250	19	48	58	●
61APF627	100/A	HSK100/A DIN69893 P/F FISSO H250 D27	27	250	21	58	68	●
61APF632	100/A	HSK100/A DIN69893 P/F FISSO H250 D32	32	250	24	66	77	●
61APF640	100/A	HSK100/A DIN69893 P/F FISSO H250 D40	40	250	27	80	-	●

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

d / D	Tassello	Q.tà	Vite Tassello	Q.tà	Vite Croce	Q.tà
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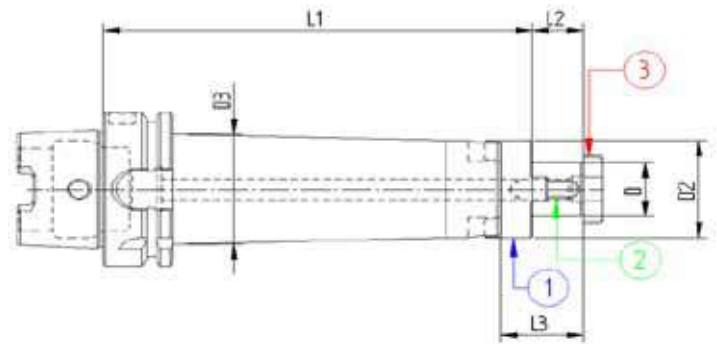
16 / 38	916TSL01	2	110301001	2	916VTC02	1
22 / 48	922TSL01	2	110301201	2	922VTC02	1
27 / 58	927TSL01	2	110401601	2	927VTC02	1
32 / 66	932TSL01	2	110601601	2	932VTC02	1
40 / 80	940TSL01	2	110601601	2	940VTC02	1



Codice	HSK	Descrizione	D	L1	L2	L3	D2
61APU116	100/A	HSK100/A DIN69893 P/F UNIV.H60 D16	16	60	17	27	32
61APU122	100/A	HSK100/A DIN69893 P/F UNIV.H60 D22	22	60	19	31	40
61APU127	100/A	HSK100/A DIN69893 P/F UNIV.H60 D27	27	60	21	33	48
61APU132	100/A	HSK100/A DIN69893 P/F UNIV.H60 D32	32	60	24	38	58
61APU140	100/A	HSK100/A DIN69893 P/F UNIV.H70 D40	40	70	27	41	70

### COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

D	Giunto	Q.tà	Linguetta	Q.tà	Vite Croce	Q.tà
						
16	916GNT01	1	170402004	1	916VTC02	1
22	922GNT01	1	170602506	1	922VTC02	1
27	927GNT01	1	170702507	1	927VTC02	1
32	932GNT01	1	170802807	1	932VTC02	1
40	940GNT01	1	171003208	1	940VTC02	1






**L = 100**


Codice	HSK	Descrizione	D	L1	L2	L3	D2	D3
61APU216	100/A	HSK100/A DIN69893 P/F UNIV.H100 D16	16	100	17	27	32	44
61APU222	100/A	HSK100/A DIN69893 P/F UNIV.H100 D22	22	100	19	31	40	50
61APU227	100/A	HSK100/A DIN69893 P/F UNIV.H100 D27	27	100	21	33	48	60
61APU232	100/A	HSK100/A DIN69893 P/F UNIV.H100 D32	32	100	24	38	58	58
61APU240	100/A	HSK100/A DIN69893 P/F UNIV.H100 D40	40	100	27	41	70	70

**L = 160**

Codice	HSK	Descrizione	D	L1	L2	L3	D2	D3
61APU416	100/A	HSK100/A DIN69893 P/F UNIV.H160 D16	16	160	17	27	32	44
61APU422	100/A	HSK100/A DIN69893 P/F UNIV.H160 D22	22	160	19	31	40	50
61APU427	100/A	HSK100/A DIN69893 P/F UNIV.H160 D27	27	160	21	33	48	60
61APU432	100/A	HSK100/A DIN69893 P/F UNIV.H160 D32	32	160	24	38	58	58
61APU440	100/A	HSK100/A DIN69893 P/F UNIV.H160 D40	40	160	27	41	70	70

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

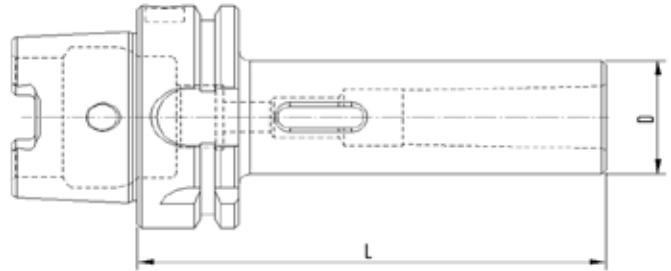
D	Giunto	Q.tà	Linguetta	Q.tà	Vite Croce	Q.tà
						
16	916GNT01	1	170402004	1	916VTC02	1
22	922GNT01	1	170602506	1	922VTC02	1
27	927GNT01	1	170702507	1	927VTC02	1
32	932GNT01	1	170802807	1	932VTC02	1
40	940GNT01	1	171003208	1	940VTC02	1


**MANDRINI ATTACCO CONO MORSE PER PUNTE**  
**MORSE TAPER ADAPTOR FOR DRILLS**  
**DOUILLES POUR CONE MORSE A TENON**  
**ZWISCHENHULSEN FUER MORSEKEGEL MIT AUSTREIBLAPPEN**



**DIN 69893**

**DIN 228 - 2**



<b>Codice</b>	<b>HSK</b>	<b>Descrizione</b>	<b>D</b>	<b>L</b>
61AMP101	100/A	HSK100/A DIN69893 H.110 CM1 PUNTE	25	110
61AMP102	100/A	HSK100/A DIN69893 H.120 CM2 PUNTE	32	120
61AMP103	100/A	HSK100/A DIN69893 H.150 CM3 PUNTE	40	150
61AMP104	100/A	HSK100/A DIN69893 H.170 CM4 PUNTE	48	170
61AMP105	100/A	HSK100/A DIN69893 H.200 CM5 PUNTE	63	200

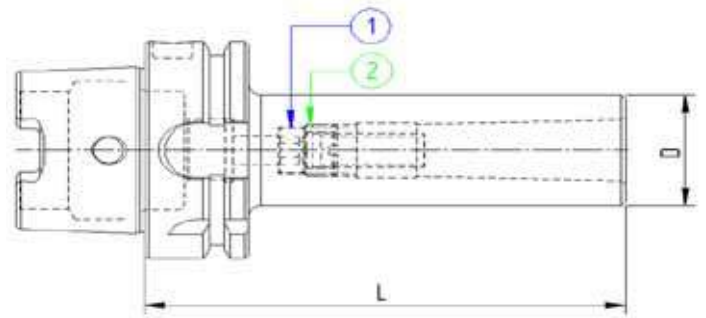


MANDRINI ATTACCO CONO MORSE FRESE CON REFRIGERAZIONE INTERNA  
 MORSE TAPER MILL ADAPTER WITH THREAD AND INTERNAL COOLANT SUPPLY  
 DOUILLES POUR CONE MORSE AVEC TARAUDAGE ET ARROSAGE INTERNE  
 ZWISCHENHULSEN FÜR MORSEKEGEL MIT ZENTRALER KÜHLMITTELZUFUHR





**DIN 69893**

**DIN 228 - 2**

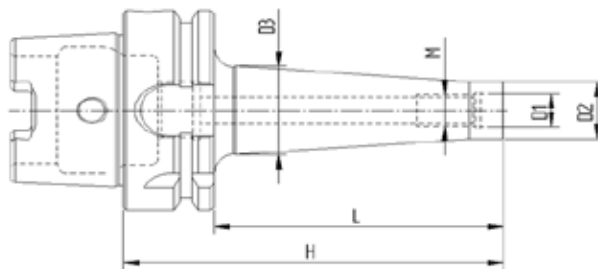


Codice	HSK	Descrizione	D	L
61AMF101	100/A	HSK100/A DIN69893 H.110 CM1 FRESE	25	110
61AMF102	100/A	HSK100/A DIN69893 H.120 CM2 FRESE	32	120
61AMF103	100/A	HSK100/A DIN69893 H.150 CM3 FRESE	40	150
61AMF104	100/A	HSK100/A DIN69893 H.170 CM4 FRESE	48	170
61AMF105	100/A	HSK100/A DIN69893 H.200 CM5 FRESE	63	200

**COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE**

MORSE	Vite	Q.tà	Ghiera	Q.tà
				
1	110603501	1	121206502	1
2	111003014	1	121500802	1
3	111204003	1	122000903	1
4	111604514	1	122501204	1
5	112005003	1	123601104	1





**L = 87**

Codice	HSK	Descrizione	D1	D2	D3	H	L	M	G2.5 20000
61AAF212	100/A	HSK100/A DIN69893 P/F AT.FIL.M12X87	12.5	21	24	87	58	12	●
61AAF216	100/A	HSK100/A DIN69893 P/F AT.FIL.M16X87	17	29	32	87	58	16	●

**L = 137**

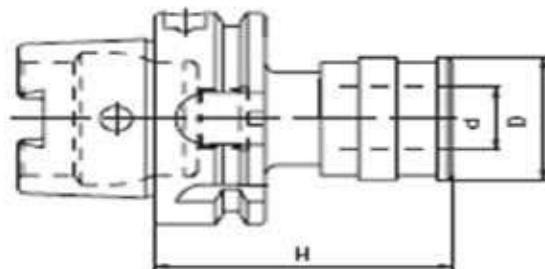
Codice	HSK	Descrizione	D1	D2	D3	H	L	M	G2.5 20000
61AAF312	100/A	HSK100/A DIN69893 P/F AT.FIL.M12X137	12.5	21	47	137	108	12	●
61AAF316	100/A	HSK100/A DIN69893 P/F AT.FIL.M16X137	17	29	42	137	108	16	●

**L = 187**

Codice	HSK	Descrizione	D1	D2	D3	H	L	M	G2.5 20000
61AAF412	100/A	HSK100/A DIN69893 P/F AT.FIL.M12X187	12.5	21	55	187	158	12	●
61AAF416	100/A	HSK100/A DIN69893 P/F AT.FIL.M16X187	17	29	55	187	158	16	●

**L = 237**

Codice	HSK	Descrizione	D1	D2	D3	H	L	M	G2.5 20000
61AAF516	100/A	HSK100/A DIN69893 P/F AT.FIL.M16X237	17	29	55	237	208	16	●



<b>Codice</b>	<b>HSK</b>	<b>Descrizione</b>	<b>D</b>	<b>d</b>	<b>H</b>
61APCRM1	100/A	HSK100/A M/PORTAM/C/R H80 GR.1	48	19	80
61APCRM2	100/A	HSK100/A M/PORTAM/C/R H100 GR.2	60	31	100

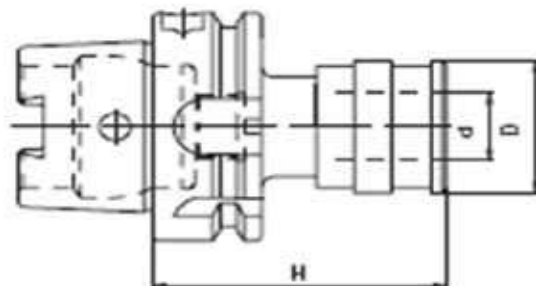
**ACCESSORI - ACCESSORIES - ACCESSOIRES - ZUBEHÖR**



RIF. PAGINA **312**



RIF. PAGINA **313**



<b>Codice</b>	<b>HSK</b>	<b>Descrizione</b>	<b>D</b>	<b>d</b>	<b>H</b>
61APRRM1	100/A	HSK100/A M/PORTAM/C/R/R H80 GR.1	48	19	80
61APRRM2	100/A	HSK100/A M/PORTAM/C/R/R H100 GR.2	60	31	100

**ACCESSORI - ACCESSORIES - ACCESSOIRES - ZUBEHÖR**



RIF. PAGINA **312**



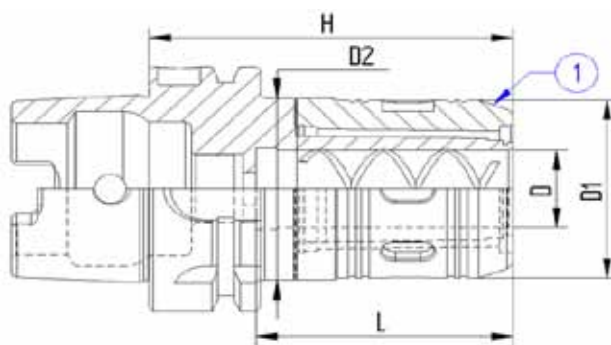
RIF. PAGINA **313**



MANDRINI A FORTE SERRAGGIO  
MILLING CHUCK  
MANDRINS A FORT SERRAGE  
KRAFTSPANNFUTTER



**DIN 69893**



Codice	HSK	Descrizione	H	D	D1	D2	L	G6.3 12000
61AFS220	100/A	HSK100/A FORTE SERRAGGIO Ø20 H105	105	20	46	47	60	●
61AFS232	100/A	HSK100/A FORTE SERRAGGIO Ø32 H115	115	32	62	63	80	●

**ACCESSORI - ACCESSORIES - ACCESSOIRES - ZUBEHÖR**

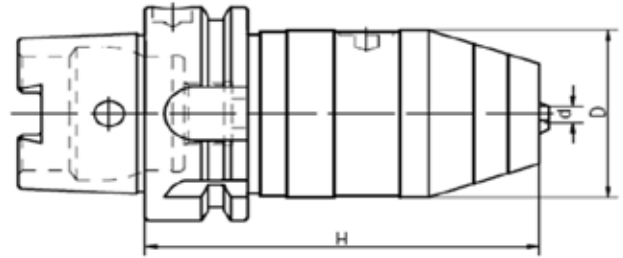


RIF. PAGINA **315**


**MANDRINI INTEGRALI CON CHIAVE ESAGONALE**  
**DRILL CHUCK WITH EXAGONAL KEY LOCK SYSTEM**  
**MANDRIN MONOBLOC-SERRAGE PAR CLÉ 6 PANS**  
**NC-KURZBOHRFUTTER-SPANNED DURCH 6 KANTSCHLUSSEL**



**DIN 69893**



**CON REFRIGERANTE CENTRALE - WITH INTERNAL COOLANT SUPPLY - AVEC ARROSAGE INTERNE - MIT ZENTRALER KÜHLMITTEL**

<b>Codice</b>	<b>HSK</b>	<b>Descrizione</b>	<b>D</b>	<b>H</b>	<b>d</b>
61AMAZ13	100/A	HSK100/A M/AUTOS./FORI H108 D13	50	108	1-13
61AMAZ16	100/A	HSK100/A M/AUTOS./FORI H113 D16	50	113	3-16


**MANDRINI SEMILAVORATI CON STELO TENERO**  
**BLANK TOOLHOLDERS WITH SOFT SHANK**  
**BARRE D'ALEPAGE SEMI-FINIES**  
**ROHLINGE MIT WEICHEM SCHAFT**



**DIN 69893**



<b>Codice</b>	<b>HSK</b>	<b>Descrizione</b>	<b>D</b>	<b>L</b>
61AST397	100/A	HSK100/A DIN69893 ST. TENERO D97x315	97	315