



HSK (DIN 69893)



2022 Catalog

World-class products

Precise quality

Satisfied customer



HSK (DIN 69893)

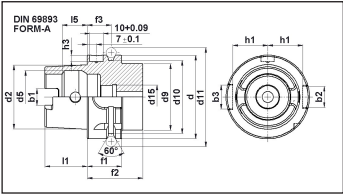
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HSK (DIN 69893)

Machine Design

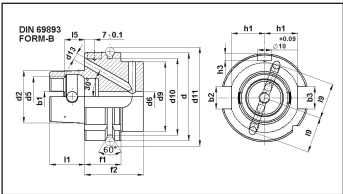
HSK Form A



Standard type for use on milling machines and machining centres with automatic tool change. Also suitable for manual tool change.

HSK - d	b1 ±0.04	b2 H10	b3 H10	d2.	d5	d9 max	d10 -0.1	d11 -0.1	d15	f1 -0.1	f2 min	f3 ±0.1	h1 -0.2	h3 +0.2	l1 -0.2	l5 JS10
50	10.54	12	14	38.009	32	40	43	59.30	M16X1	26	42	18	21.0	5.1	25	14.13
63	12.54	16	18	48.010	40	50	55	72.30	M18X1	26	42	18	26.5	5.0	32	18.13
100	20.02	20	22	75.013	63	80	92	109.75	M24X1.5	29	45	20	44.0	4.9	50	28.56

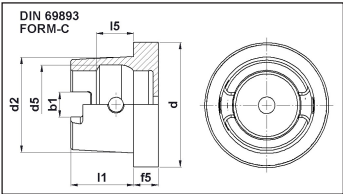
HSK Form B



Coolant supply through the flange
Enlarged flange diameter for rigidity
Drive slots are in the flange
For use on milling machines and lathes
Machining centres with automatic tool change

HSK - d	b1 ±0.04	b2 H10	b3 H10	d2.	d5	d9 max	d10 -0.1	d11 -0.1	d13	d6 max	f1 -0.1	f2 min	f3 ±0.1	h1 -0.2	h3 +0.2	l1 -0.2	l5 JS10	l9 -0.2
63	10.54	16	18	38.009	25.5	53	55	72.30	25	6.8	26	42	18	25.0	5.0	25	14.13	25
80	12.54	18	20	48.010	32	68	70	88.80	32	8.4	26	42	18	31.5	4.9	32	18.13	32
125	20.02	25	28	75.013	50	111	117	134.75	50	12	29	45	20	50.0	4.8	50	28.56	50

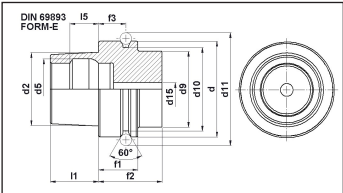
HSK Form C



Manual tool change type only
For use as a modular system
For special purpose machines
For transfer lines and lathes.

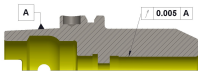
HSK - d	b1 ±0.04	d2.	d5	l1 -0.2	l5 JS10	f5
63	12.54	48.010	32	32	18.13	12.5
50	10.54	38.009	40	25	14.13	12.5
100	20.02	75.013	63	50	28.56	16

HSK Form E



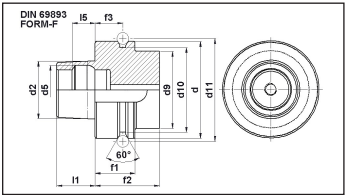
High speed applications for automatic tool change.
Option coolant fitting as form 'A'
Note: No rear drive slots, no slots or notches in the flange.

HSK - d	d2.	d5 H11	d9 max	d10 -0.1	d11 -0.1	d15 max	f1 -0.1	f2 min	f3 ±0.1	l1 -0.2	l5 JS10
50	38.009	32	40	43	59.30	6.8	26	42	18	25	14.13
63	48.010	40	50	55	72.30	8.4	26	42	18	32	18.13



HSK (DIN 69893)

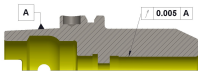
HSK Form F



High speed applications
Enlarged flange diameter for rigidity
No drive slots
Symmetrical design
For use on machines with automatic tool change

HSK - d	d2.	d5	d9 max	d10 -0.1	d11 -0.1	f1 -0.1	f2 min	f3 ±0.1	l1 -0.2	l5 JS10
63	38.009	32	50	55	72.30	26	42	18	25	14.13

SHK DETAIL Shank Detail

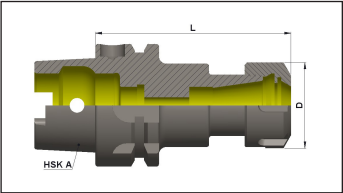


HSK (DIN 69893)

ERS ER Collet Chuck (DIN6499 Form C)

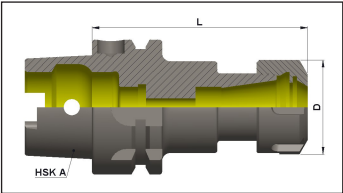
HSK A50

HSK A50 – Standard GPL



Part No.	Product name	Taper	Size	L	Clamping range	D	G	Nut	Kgs	Group
F1A050H-ERS16080	HSK A50 ER 16 080	A50	ER16	80	1-10	28	-	F15500-16ERH	0.6	B1000
F1A050H-ERS20080	HSK A50 ER 20 080	A50	ER20	80	1-13	35	-	F15500-20ERS	0.6	B1000
F1A050H-ERS25080	HSK A50 ER 25 080	A50	ER25	80	1-16	42	-	F15500-25ERS	0.6	B1000
F1A050H-ERS32080	HSK A50 ER 32 080	A50	ER32	80	2-20	50	-	F15500-32ERS	0.6	B1000

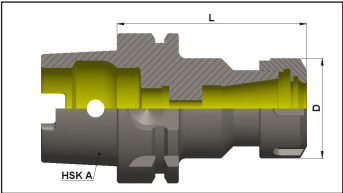
HSK A50 – GPL =100 mm



Part No.	Product name	Taper	Size	L	Clamping range	D	G	Nut	Kgs	Group
F1A050H-ERS16100	HSK A50 ER 16 100	A50	ER16	100	1-10	28	SCW7/16	F15500-16ERH	0.66	B1000
F1A050H-ERS20100	HSK A50 ER 20 100	A50	ER20	100	1-13	35	M14X1.5	F15500-20ERS	0.92	B1000
F1A050H-ERS25100	HSK A50 ER 25 100	A50	ER25	100	1-16	42	M8	F15500-25ERS	0.94	B1000
F1A050H-ERS32100	HSK A50 ER 32 100	A50	ER32	100	2-20	50	M22X1.5	F15500-32ERS	1.02	B1000

HSK A63

HSK A63 – Standard GPL



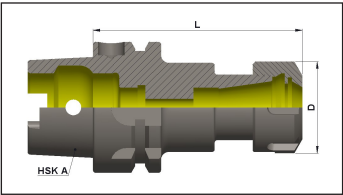
Part No.	Product name	Taper	Size	L	Clamping range	D	G	Nut	Kgs	Group
F1A063H-ERS16080	HSK A63 ER 16 080	A63	ER16	80	1-10	28	-	F15500-16ERH	0.8	B1000
F1A063H-ERS20080	HSK A63 ER 20 080	A63	ER20	80	1-13	35	-	F15500-20ERS	0.8	B1000
F1A063H-ERS25080	HSK A63 ER 25 080	A63	ER25	80	1-16	42	-	F15500-25ERS	0.9	B1000
F1A063H-ERS32080	HSK A63 ER 32 080	A63	ER32	80	2-20	50	-	F15500-32ERS	1	B1000
F1A063H-ERS40100	HSK A63 ER 40 100	A63	ER40	100	3-26	63	-	F15500-40ERS	1.2	B1000



HSK (DIN 69893)

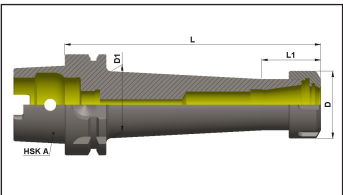
ERS ER Collet Chuck (DIN6499 Form C)

HSK A63 – GPL =100 mm



Part No.	Product name	Taper	Size	L	Clamping range	D	G	Nut	Kgs	Group
F1A063H-ERS16100	HSK A63 ER 16 100	A63	ER16	100	1-10	28	SCW7/16	F15500-16ERH	0.92	B1000
F1A063H-ERS20100	HSK A63 ER 20 100	A63	ER20	100	1-13	35	M12	F15500-20ERS	1.08	B1000
F1A063H-ERS25100	HSK A63 ER 25 100	A63	ER25	100	1-16	42	M12	F15500-25ERS	1.15	B1000
F1A063H-ERS32100	HSK A63 ER 32 100	A63	ER32	100	2-20	50	M12	F15500-32ERS	1.26	B1000

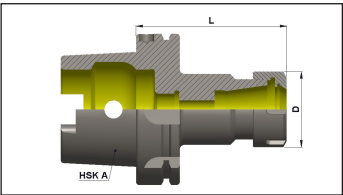
HSK A63 – GPL =160 mm



Part No.	Product name	Taper	Size	L	Clamping range	D	D1	L1	G	Nut	Kgs	Group
F1A063H-ERS16160	HSK A63 ER 16 160	A63	ER16	160	1-10	28	-	-	SCW7/16	F15500-16ERH	1.3	B1000
F1A063H-ERS20160	HSK A63 ER 20 160	A63	ER20	160	1-13	35	35	32.5	M14X1.5	F15500-20ERS	1.5	B1000
F1A063H-ERS25160	HSK A63 ER 25 160	A63	ER25	160	1-16	42	42	32	M18X1.5	F15500-25ERS	1.6	B1000
F1A063H-ERS32160	HSK A63 ER 32 160	A63	ER32	160	2-20	50	50	34.5	M22X1.5	F15500-32ERS	1.9	B1000
F1A063H-ERS40160	HSK A63 ER 40 160	A63	ER40	160	3-26	63	-	-	M28X1.5	F15500-40ERS	2.1	B1000

HSK A100

HSK A100 – Standard GPL



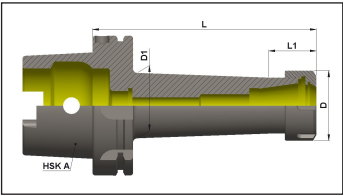
Part No.	Product name	Taper	Size	L	Clamping range	D	G	Nut	Kgs	Group
F1A100H-ERS16100	HSK A100 ER 16 100	A100	ER16	100	1-10	28	SCW7/16	F15500-16ERH	2.2	B1000
F1A100H-ERS20100	HSK A100 ER 20 100	A100	ER20	100	1-13	35	M14X1.5	F15500-20ERS	2.4	B1000
F1A100H-ERS25100	HSK A100 ER 25 100	A100	ER25	100	1-16	42	M12	F15500-25ERS	2.5	B1000
F1A100H-ERS32100	HSK A100 ER 32 100	A100	ER32	100	2-20	50	M12	F15500-32ERS	2.7	B1000
F1A100H-ERS40100	HSK A100 ER 40 100	A100	ER40	100	3-26	63	-	F15500-40ERS	2.8	B1000
F1A100H-ERS50120	HSK A100 ER 50 120	A100	ER50	120	10-34	78	-	F15500-50ERS	3.3	B1000



HSK (DIN 69893)

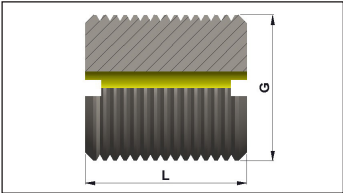
ERS ER Collet Chuck (DIN6499 Form C)

HSK A100 – GPL =160 mm



Part No.	Product name	Taper	Size	L	Clamping range	D	D1	L1	G	Nut	Kgs	Group
F1A100H-ERS16160	HSK A100 ER 16 160	A100	ER16	160	1-10	28	-	-	SCW7/16	F15500-16ERH	2.6	B1000
F1A100H-ERS20160	HSK A100 ER 20 160	A100	ER20	160	1-13	35	35	33.5	M12	F15500-20ERS	2.8	B1000
F1A100H-ERS25160	HSK A100 ER 25 160	A100	ER25	160	1-16	42	42	32	M18X1.5	F15500-25ERS	3	B1000
F1A100H-ERS32160	HSK A100 ER 32 160	A100	ER32	160	2-20	50	47	35	M22X1.5	F15500-32ERS	3.2	B1000
F1A100H-ERS40160	HSK A100 ER 40 160	A100	ER40	160	3-26	63	63	45	M28X1.5	F15500-40ERS	3.9	B1000

Spares Stopper Screw



Part No.	L	G	Group
F1SCWA-20U11	20	7/16	D4400
F1SCWM-20M06	20	M6	D4400
F1SCWM-20M14	20	M14	D4400
F1SCWM-20M18	20	M18	D4400
F1SCWM-20M22	20	M22	D4400
F1SCWM-20M28	20	M28	D4400

Accessories



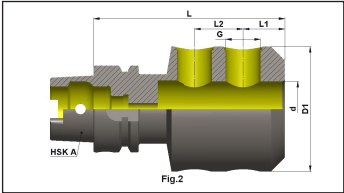
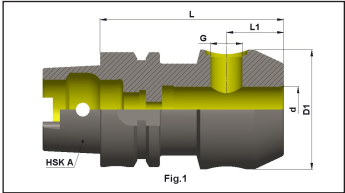
For Further Details Please Refer Accessories Catalog.



HSK (DIN 69893)

HSK A50

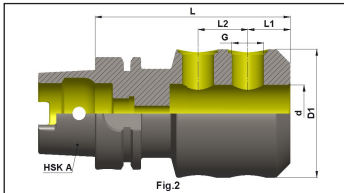
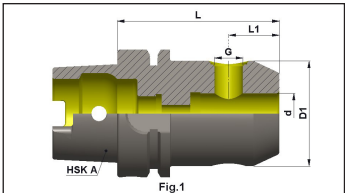
HSK A50 – Standard GPL



Part No.	Product name	Taper	d.	L	D1	G	L1	L2	FIG	Kgs	Group
F1A050H-EMH06065	HSK A50 EM 06 065	A50	6	65	25	M6	18	-	1	0.5	B2200
F1A050H-EMH08065	HSK A50 EM 08 065	A50	8	65	28	M8	18	-	1	0.6	B2200
F1A050H-EMH10065	HSK A50 EM 10 065	A50	10	65	35	M10	20	-	1	0.6	B2200
F1A050H-EMH12080	HSK A50 EM 12 080	A50	12	80	42	M12	22.5	-	1	1	B2200
F1A050H-EMH16080	HSK A50 EM 16 080	A50	16	80	48	M14	24	-	1	1	B2200
F1A050H-EMH20080	HSK A50 EM 20 080	A50	20	80	52	M16	25	-	1	1	B2200
F1A050H-EMH25110	HSK A50 EM 25 110	A50	25	110	65	M18X2	24	25	2	1.8	B2200
F1A050H-EMH32110	HSK A50 EM 32 110	A50	32	110	72	M20X2	24	28	2	1.9	B2200

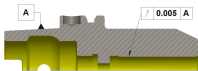
HSK A63

HSK A63 – Standard GPL



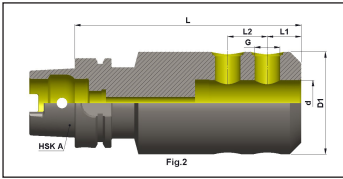
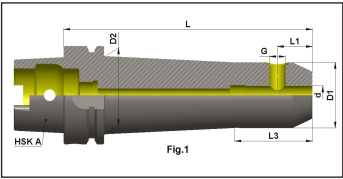
Part No.	Product name	Taper	d.	L	D1	G	L1	L2	FIG	Kgs	Group
F1A063H-EMH06065	HSK A63 EM 06 065	A63	6	65	25	M6	18	-	1	0.8	B2200
F1A063H-EMH08065	HSK A63 EM 08 065	A63	8	65	28	M8	18	-	1	0.8	B2200
F1A063H-EMH10065	HSK A63 EM 10 065	A63	10	65	35	M10	20	-	1	0.9	B2200
F1A063H-EMH12080	HSK A63 EM 12 080	A63	12	80	42	M12	22.5	-	1	1.2	B2200
F1A063H-EMH16080	HSK A63 EM 16 080	A63	16	80	48	M14	24	-	1	1.3	B2200
F1A063H-EMH20080	HSK A63 EM 20 080	A63	20	80	52	M16	25	-	1	1.3	B2200
F1A063H-EMH25110	HSK A63 EM 25 110	A63	25	110	65	M18X2	24	25	2	2.3	B2200
F1A063H-EMH32110	HSK A63 EM 32 110	A63	32	110	72	M20X2	24	28	2	2.5	B2200
F1A063H-EMH40120	HSK A63 EM 40 120	A63	40	120	80	M20X2	30	32	2	4.2	B2200

EMH End Mill Holder (DIN 1835 - 2 Form B)



HSK (DIN 69893)

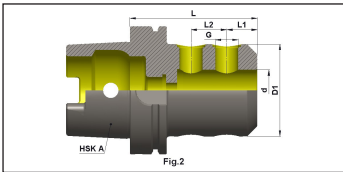
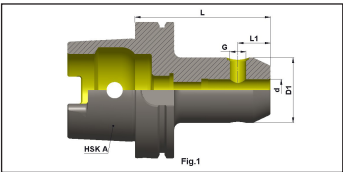
HSK A63 – GPL =160 mm



Part No.	Product name	Taper	d.	L	D1	D2	G	L1	L2	L3	FIG	Kgs	Group
F1A063H-EMH08160	HSK A63 EM 08 160	A63	8	160	28	38	M8	18	-	32	1	1.2	B2200
F1A063H-EMH10160	HSK A63 EM 10 160	A63	10	160	35	40	M10	20	-	35	1	1.2	B2200
F1A063H-EMH12160	HSK A63 EM 12 160	A63	12	160	42	-	M12	22.5	-	-	1	2	B2200
F1A063H-EMH16160	HSKA 63 EM 16 160	A63	16	160	48	-	M14	24	-	-	1	2.4	B2200
F1A063H-EMH20160	HSK A63 EM 20 160	A63	20	160	52	-	M16	25	-	-	1	1.7	B2200
F1A063H-EMH25160	HSKA 63 EM 25 160	A63	25	160	65	-	M18X2	24	25	-	2	3.3	B2200

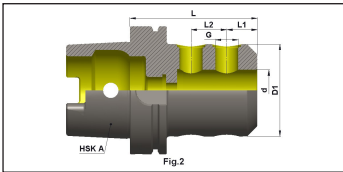
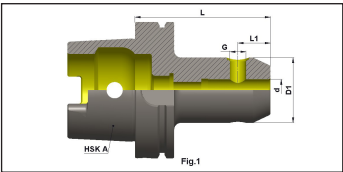
HSK A100

HSK A100 – Standard GPL



Part No.	Product name	Taper	d.	L	D1	G	L1	L2	Kgs	Group
F1A100H-EMH06080	HSK A100 EM 06 080	A100	6	80	25	M6	18	-	2.1	B2200
F1A100H-EMH08080	HSK A100 EM 08 080	A100	8	80	28	M8	18	-	2.2	B2200
F1A100H-EMH10080	HSK A100 EM 10 080	A100	10	80	35	M10	20	-	2.2	B2200
F1A100H-EMH12080	HSK A100 EM 12 080	A100	12	80	42	M12	22.5	-	2.3	B2200

HSK A100 – GPL =100 mm

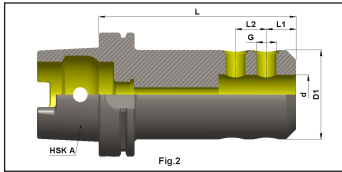
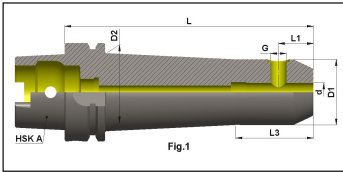


Part No.	Product name	Taper	d.	L	D1	G	L1	L2	Kgs	Group
F1A100H-EMH16100	HSK A100 EM 16 100	A100	16	100	48	M14	24	-	2.8	B2200
F1A100H-EMH20100	HSK A100 EM 20 100	A100	20	100	52	M16	25	-	3.1	B2200
F1A100H-EMH25100	HSK A100 EM 25 100	A100	25	100	65	M18X2	24	25	3.5	B2200
F1A100H-EMH32100	HSK A100 EM 32 100	A100	32	100	72	M20X2	24	28	3.8	B2200
F1A100H-EMH40120	HSK A100 EM 40 120	A100	40	120	90	M20X2	30	32	5.4	B2200
F1A100H-EMH50130	HSK A100 EM 50 130	A100	50	130	100	M24X2	35	35	6.2	B2200



HSK (DIN 69893)

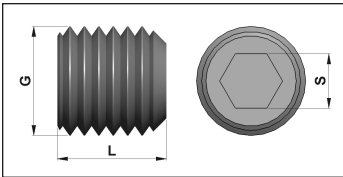
HSK A100 – GPL =160 mm



Part No.	Product name	Taper	d.	L	D1	D2	G	L1	L2	L3	FIG	Kgs	Group
F1A100H-EMH08160	HSK A100 EM 08 160	A100	8	160	28	38	M8	18	-	32	1	2.8	B2200
F1A100H-EMH10160	HSK A100 EM 10 160	A100	10	160	35	42	M10	20	-	35	1	2.8	B2200
F1A100H-EMH12160	HSK A100 EM 12 160	A100	12	160	42	48	M12	22.5	-	35	1	2.6	B2200
F1A100H-EMH16160	HSK A100 EM 16 160	A100	16	160	48	54	M14	24	-	40	1	2.8	B2200
F1A100H-EMH20160	HSK A100 EM 20 160	A100	20	160	52	-	M16	25	-	-	2	3	B2200
F1A100H-EMH25160	HSK A100 EM 25 160	A100	25	160	65	-	M18X2	24	25	-	2	5	B2200
F1A100H-EMH32160	HSK A100 EM 32 160	A100	32	160	72	-	M20X2	24	28	-	2	5.6	B2200
F1A100H-EMH40160	HSK A100 EM 40 160	A100	40	160	90	-	M20X2	30	32	-	2	6.3	B2200

Spares

Grub Screw



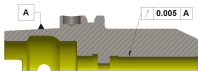
Part No.	G	L	S	Group
F1GSWD-10M06	M6	10	3	D4400
F1GSWD-10M08	M8	10	4	D4400
F1GSWD-12M10	M10	12	5	D4400
F1GSWD-16M12	M12	16	6	D4400
F1GSWD-16M14	M14	16	6	D4400
F1GSWD-16M16	M16	16	8	D4400
F1GSWD-20M18	M18	20	10	D4400
F1GSWD-20M20	M20	20	10	D4400
F1GSWD-25M24	M24	25	12	D4400

Accessories



For Further Details Please Refer Accessories Catalog.

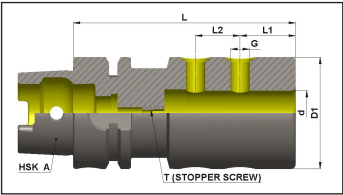
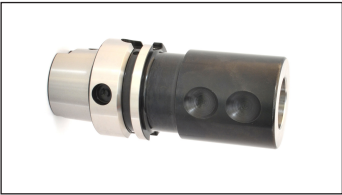
EMH End Mill Holder (DIN 1835 - 2 Form B)



HSK (DIN 69893)

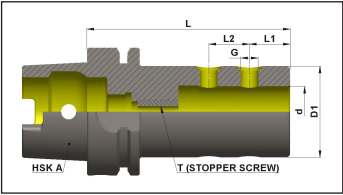
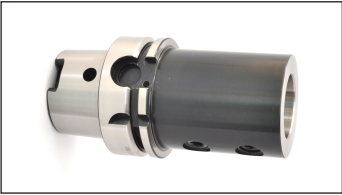
SLA Side Lock Holder (ISO 9766)

HSK A50



Part No.	Product name	Taper	d.	L	L1	L2	D1	G	T	Kgs	Group
F1A050H-SLA20100	HSK A50 SLA 20 100	A50	20	100	25	20	50	M10	M12	1.4	B2200
F1A050H-SLA25110	HSK A50 SLA 25 110	A50	25	110	25	20	50	M10	M12	1.4	B2200
F1A050H-SLA32110	HSK A50 SLA 32 110	A50	32	110	30	20	60	M10	M12	1.8	B2200

HSK A63



Part No.	Product name	Taper	d.	L	L1	L2	D1	G	T	Kgs	Group
F1A063H-SLA25110	HSK A63 SLA 25 110	A63	25	110	25	20	50	M10	M12	1.8	B2200
F1A063H-SLA32110	HSK A63 SLA 32 110	A63	32	110	30	20	60	M10	M12	2	B2200
F1A063H-SLA40125	HSK A63 SLA 40 125	A63	40	125	30	20	63	M12	M12	2.4	B2200

Spares

Grub Screw

Part No.	G	L	S	Group
F1GSWD-10M06	M6	10	3	D4400
F1GSWD-10M08	M8	10	4	D4400
F1GSWD-12M10	M10	12	5	D4400
F1GSWD-16M12	M12	16	6	D4400
F1GSWD-16M14	M14	16	6	D4400
F1GSWD-16M16	M16	16	8	D4400
F1GSWD-20M18	M18	20	10	D4400
F1GSWD-20M20	M20	20	10	D4400
F1GSWD-25M24	M24	25	12	D4400

Accessories

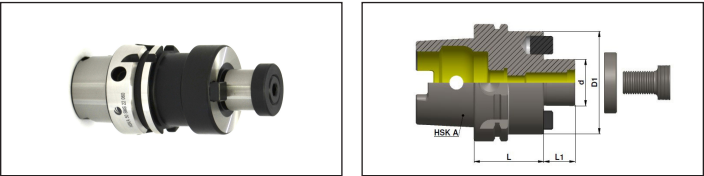


For Further Details Please Refer Accessories Catalog.



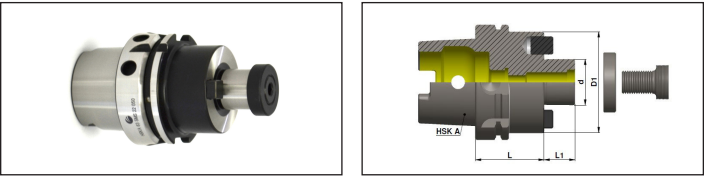
HSK (DIN 69893)

HSK A50 – Standard GPL



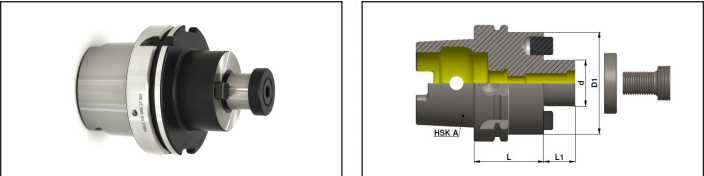
Part No.	Product name	Taper	d.	L	L1	D1	Cutter Dia	Kgs	Group
F1A050H-SMS16050	HSK A50 SMS 16 050	A50	16	50	17	38	40	0.6	B3000
F1A050H-SMS22060	HSK A50 SMS 22 060	A50	22	60	19	48	50 & 63	0.9	B3000
F1A050H-SMS27060	HSK A50 SMS 27 060	A50	27	60	21	60	80	1	B3000

HSK A63 – Standard GPL



Part No.	Product name	Taper	d.	L	L1	D1	Cutter Dia	Kgs	Group
F1A063H-SMS16050	HSK A63 SMS 16 050	A63	16	50	17	38	40	0.9	B3000
F1A063H-SMS22050	HSK A63 SMS 22 050	A63	22	50	19	48	50 & 63	1.2	B3000
F1A063H-SMS27060	HSK A63 SMS 27 060	A63	27	60	21	60	80	1.4	B3000
F1A063H-SMS32065	HSK A63 SMS 32 065	A63	32	65	24	70	100	1.6	B3000
F1A063H-SMS40065	HSK A63 SMS 40 065	A63	40	65	27	80	125	2	B3000

HSK A100 – Standard GPL



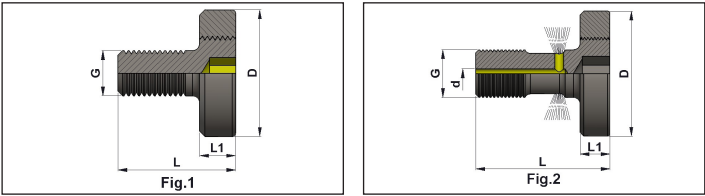
Part No.	Product name	Taper	d.	L	L1	D1	Cutter Dia	Kgs	Group
F1A100H-SMS16050	HSK A100 SMS 16 050	A100	16	50	17	38	40	2.2	B3000
F1A100H-SMS22050	HSK A100 SMS 22 050	A100	22	50	19	48	50 & 63	2.4	B3000
F1A100H-SMS27050	HSK A100 SMS 27 050	A100	27	50	21	60	80	2.5	B3000
F1A100H-SMS32060	HSK A100 SMS 32 060	A100	32	60	24	70	100	3	B3000
F1A100H-SMS40060	HSK A100 SMS 40 060	A100	40	60	27	80	125	3.4	B3000



HSK (DIN 69893)

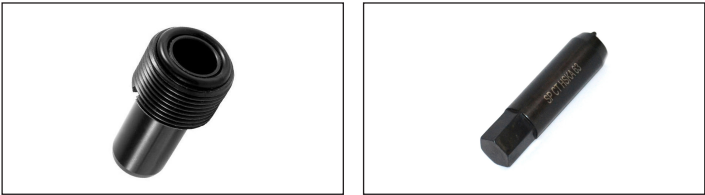
Spares

Cutter Clamping Screw (DIN 6367)

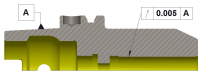


Part No.	D	L	L1	G	d.	Allen Key	FIG	Remarks	Group
F1CCSN-22M10	28	26	8	M10	-	6mm	1	NORMAL	D4400
F1CCSN-16M08	20	23	7	M8	-	5mm	1	NORMAL	D4400
F1CCSN-27M12	35	31	9	M12	-	8mm	1	NORMAL	D4400
F1CCSN-32M16	42	36	10	M16	-	10mm	1	NORMAL	D4400
F1CCSN-40M20	52	41	11	M20	-	12mm	1	NORMAL	D4400
F1CCSN-60M30	75	60	15	M30	-	17mm	1	NORMAL	D4400
F1CCSN-50M24	75	49	13	M24	-	14mm	1	NORMAL	D4400
F1CCST-22M10	28	33	8	M10	3.2	6mm	2	THRU COOLANT	D4400
F1CCST-16M08	20	32	7	M8	2.5	5mm	2	THRU COOLANT	D4400
F1CCST-27M12	35	44	9	M12	3.2	8mm	2	THRU COOLANT	D4400
F1CCST-32M16	42	45	10	M16	3.2	10mm	2	THRU COOLANT	D4400
F1CCST-40M20	52	51	11	M20	3.2	12mm	2	THRU COOLANT	D4400

Accessories



For Further Details Please Refer Accessories Catalog.

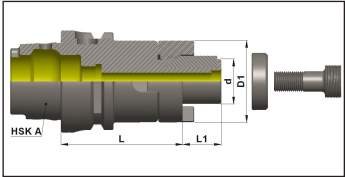


HSK (DIN 69893)

CMH Combi Shell Mill Holder (DIN 6358)

HSK A50

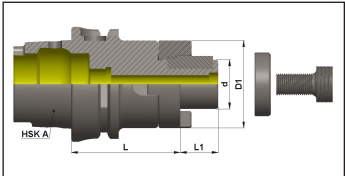
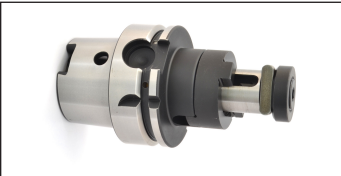
HSK A50 – Standard GPL



Part No.	Product name	Taper	d.	L	L1	D1	Kgs	Group
F1A050H-CMH16050	HSK A50 CMH 16 050	A50	16	50	17	32	0.49	B3000
F1A050H-CMH22050	HSK A50 CMH 22 050	A50	22	50	19	40	0.6	B3000
F1A050H-CMH27065	HSK A50 CMH 27 065	A50	27	65	21	48	0.8	B3000
F1A050H-CMH32065	HSK A50 CMH 32 065	A50	32	65	24	58	0.88	B3000

HSK A63

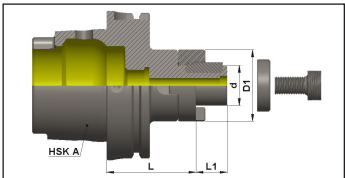
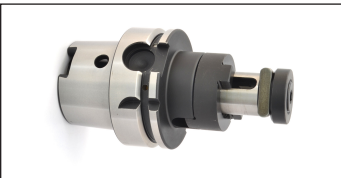
HSK A63 – Standard GPL



Part No.	Product name	Taper	d.	L	L1	D1	Kgs	Group
F1A063H-CMH16060	HSK A63 CMH 16 060	A63	16	60	17	32	0.82	B3000
F1A063H-CMH22060	HSK A63 CMH 22 060	A63	22	60	19	40	0.91	B3000
F1A063H-CMH27060	HSK A63 CMH 27 060	A63	27	60	21	48	1	B3000
F1A063H-CMH32065	HSK A63 CMH 32 065	A63	32	65	24	58	1.13	B3000
F1A063H-CMH40070	HSK A63 CMH 40 070	A63	40	70	27	70	1.5	B3000

HSK A100

HSK A100 – Standard GPL



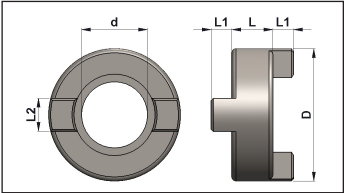
Part No.	Product name	Taper	d.	L	L1	D1	Kgs	Group
F1A100H-CMH16060	HSK A100 CMH 16 060	A100	16	60	17	32	2.17	B3000
F1A100H-CMH22060	HSK A100 CMH 22 060	A100	22	60	19	40	2.24	B3000
F1A100H-CMH27060	HSK A100 CMH 27 060	A100	27	60	21	48	2.34	B3000
F1A100H-CMH32060	HSK A100 CMH 32 060	A100	32	60	24	58	2.5	B3000
F1A100H-CMH40070	HSK A100 CMH 40 070	A100	40	70	27	70	3.04	B3000



HSK (DIN 69893)

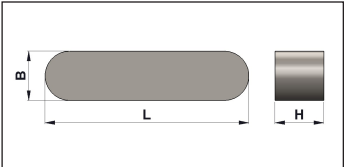
Spares

Drive Ring (DIN 6366)



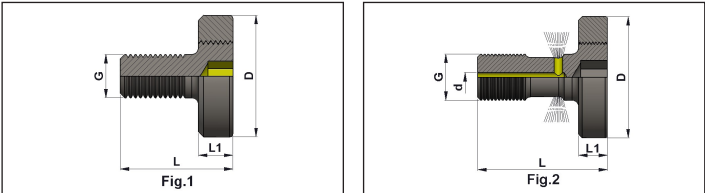
Part No.	d.	D	L	L1	L2	Group
F1DRRG-CMH16	16	32	10	5	8	D4400
F1DRRG-CMH22	22	40	12	5.6	10	D4400
F1DRRG-CMH27	27	48	12	6.3	12	D4400
F1DRRG-CMH32	32	58	14	7	14	D4400
F1DRRG-CMH40	40	70	14	8	16	D4400

Parallel Key (DIN 6885)



Part No.	Product name	d.	B	H	L	Group
F1PLKY-04020	PARALLEL KEY 4x20	16	4	4	20	D4400
F1PLKY-06025	PARALLEL KEY 6x25	22	6	6	25	D4400
F1PLKY-07025	PARALLEL KEY 7x25	27	7	7	25	D4400
F1PLKY-08028	PARALLEL KEY 8x28	32	8	7	28	D4400
F1PLKY-10032	PARALLEL KEY 10x32	40	10	8	32	D4400

Cutter Clamping Screw



Part No.	D	L	L1	G	d.	FIG	Remarks	Allen Key	Group
F1CCSN-22M10	28	26	8	M10	-	1	NORMAL	6mm	D4400
F1CCSN-16M08	20	23	7	M8	-	1	NORMAL	5mm	D4400
F1CCSN-27M12	35	31	9	M12	-	1	NORMAL	8mm	D4400
F1CCSN-32M16	42	36	10	M16	-	1	NORMAL	10mm	D4400
F1CCSN-40M20	52	41	11	M20	-	1	NORMAL	12mm	D4400
F1CCSN-60M30	75	60	15	M30	-	1	NORMAL	17mm	D4400
F1CCSN-50M24	75	49	13	M24	-	1	NORMAL	14mm	D4400
F1CCST-22M10	28	33	8	M10	3.2	2	THRU COOLANT	6mm	D4400
F1CCST-16M08	20	32	7	M8	2.5	2	THRU COOLANT	5mm	D4400
F1CCST-27M12	35	44	9	M12	3.2	2	THRU COOLANT	8mm	D4400
F1CCST-32M16	42	45	10	M16	3.2	2	THRU COOLANT	10mm	D4400
F1CCST-40M20	52	51	11	M20	3.2	2	THRU COOLANT	12mm	D4400



HSK (DIN 69893)

Accessories



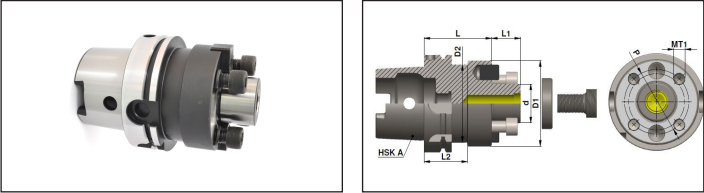
For Further Details Please Refer Accessories Catalog.

CMH Combi Shell Mill Holder (DIN 6358)



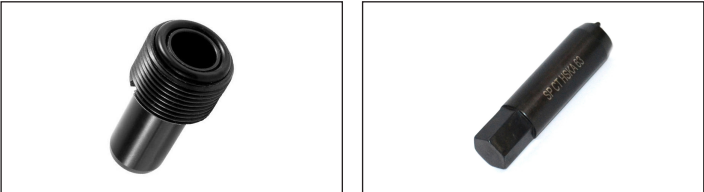
HSK (DIN 69893)

HSK A100

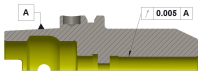


Part No.	Product name	Taper	d.	L	D1	D2	L1	L2	P	T1	Kgs	Group
F1A100H-FMH40070	HSK A 100 FMH 40 070	A100	40	70	88	80	30	45	66.7	M12	3.9	B3000
F1A100H-FMH60070	HSK A 100 FMH 60 070	A100	60	70	128	80	40	45	101.6	M16	6.2	B3000

Accessories



For Further Details Please Refer Accessories Catalog.

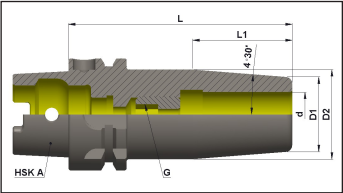


HSK (DIN 69893)

SFC Shrink Fit Chuck (DIN 69882-8)

HSK A50

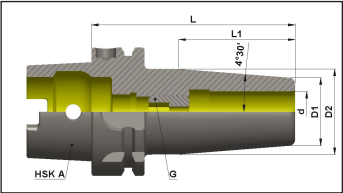
HSK A50 – Standard GPL



Part No.	Product name	Taper	d.	L	D1	D2	L1	G	Kgs	Group
F1A050H-SFC06080	HSK A 50 SFC 06 080	A50	6	80	21	27	36	M5	0.6	B5000
F1A050H-SFC08080	HSK A 50 SFC 08 080	A50	8	80	21	27	36	M6	0.6	B5000
F1A050H-SFC10085	HSK A 50 SFC 10 085	A50	10	85	24	32	42	M8X1	0.64	B5000
F1A050H-SFC12090	HSK A 50 SFC 12 090	A50	12	90	24	32	47	M10x1	0.66	B5000
F1A050H-SFC14090	HSK A 50 SFC 14 090	A50	14	90	27	34	47	M10X1	0.68	B5000
F1A050H-SFC16095	HSK A 50 SFC 16 095	A50	16	95	27	34	50	M12X1	0.7	B5000
F1A050H-SFC18095	HSK A 50 SFC 18 095	A50	18	95	33	42	50	M12X1	0.88	B5000
F1A050H-SFC20100	HSK A 50 SFC 20 100	A50	20	100	33	42	52	M16X1	0.9	B5000

HSK A63

HSK A63 – Standard GPL



Part No.	Product name	Taper	d.	L	D1	D2	L1	G	Kgs	Group
F1A063H-SFC06080	HSK A 63 SFC 06 080	A63	6	80	21	27	36	M5	0.83	B5000
F1A063H-SFC08080	HSK A 63 SFC 08 080	A63	8	80	21	27	36	M6	0.83	B5000
F1A063H-SFC10085	HSK A 63 SFC 10 085	A63	10	85	24	32	42	M8X1	0.92	B5000
F1A063H-SFC12090	HSK A 63 SFC 12 090	A63	12	90	24	32	47	M10X1	0.92	B5000
F1A063H-SFC14090	HSK A 63 SFC 14 090	A63	14	90	27	34	47	M10X1	0.93	B5000
F1A063H-SFC16095	HSK A 63 SFC 16 095	A63	16	95	27	34	50	M12X1	0.96	B5000
F1A063H-SFC18095	HSK A 63 SFC 18 095	A63	18	95	33	42	50	M12X1	1.15	B5000
F1A063H-SFC20100	HSK A 63 SFC 20 100	A63	20	100	33	42	52	M16X1	1.18	B5000
F1A063H-SFC25115	HSK A 63 SFC 25 115	A63	25	115	44	53	58	M16X1	1.75	B5000

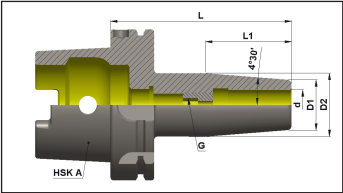


HSK (DIN 69893)

SFC Shrink Fit Chuck (DIN 69882-8)

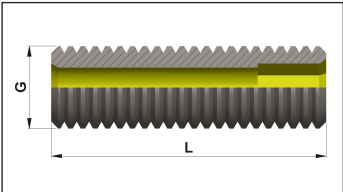
HSK A100

HSK A100 – Standard GPL



Part No.	Product name	Taper	d.	L	D1	D2	L1	G	Kgs	Group
F1A100H-SFC06085	HSK A 100 SFC 06 085	A100	6	085	21	27	36	M5	2.15	B5000
F1A100H-SFC08085	HSK A 100 SFC 08 085	A100	8	085	21	27	36	M6	2.15	B5000
F1A100H-SFC10090	HSK A 100 SFC 10 090	A100	10	090	24	32	42	M8X1	2.22	B5000
F1A100H-SFC12095	HSK A 100 SFC 12 095	A100	12	095	24	32	47	M10X1	2.22	B5000
F1A100H-SFC14095	HSK A 100 SFC 14 095	A100	14	095	27	34	47	M10X1	2.90	B5000
F1A100H-SFC16100	HSK A 100 SFC 16 100	A100	16	100	27	34	50	M12X1	2.30	B5000
F1A100H-SFC18100	HSK A 100 SFC 18 100	A100	18	100	33	42	50	M12X1	2.45	B5000
F1A100H-SFC20100	HSK A 100 SFC 20 100	A100	20	100	33	42	52	M16X1	2.45	B5000
F1A100H-SFC25115	HSK A 100 SFC 25 115	A100	25	115	44	53	58	M16X1	2.96	B5000
F1A100H-SFC32120	HSK A 100 SFC 32 120	A100	32	120	44	53	58	M16X1	3	B5000

Spares



Part No.	G	L	Group
F1SCWM-20M06	M6	20	D4400
F1SCWM-20M08	M8	20	D4400
F1SCWM-20M10	M10	20	D4400
F1SCWM-20M12	M12	20	D4400
F1SCWM-20M16	M16	20	D4400
F1SCWM-20M05	M5	20	D4400

Accessories



For Further Details Please Refer Accessories Catalog.

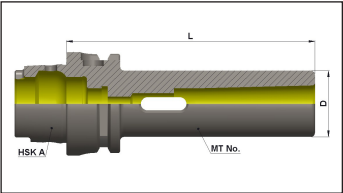
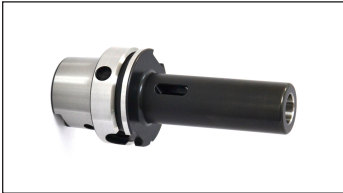


HSK (DIN 69893)

MTA Morse Taper Adaptor (DIN 228-2 Form D)

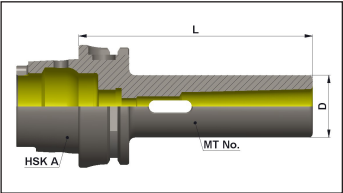
HSK A

HSK A50



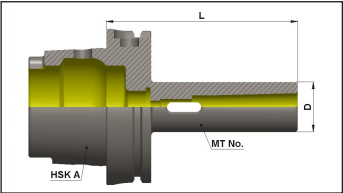
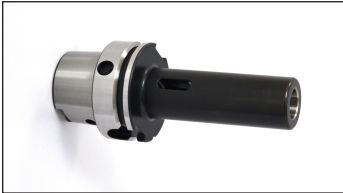
Part No.	Product name	Taper	MT No.	L	D1	Kgs	Group
F1A050H-MTA01100	HSK A 50 MTA 01 100	A50	1	100	25	0.6	B4000
F1A050H-MTA02120	HSK A 50 MTA 02 120	A50	2	120	32	0.9	B4000
F1A050H-MTA03140	HSK A 50 MTA 03 140	A50	3	140	40	1.2	B4000

HSK A63



Part No.	Product name	Taper	MT No.	L	D1	Kgs	Group
F1A063H-MTA01100	HSK A 63 MTA 01 100	A63	1	100	25	0.9	B4000
F1A063H-MTA02120	HSK A 63 MTA 02 120	A63	2	120	32	1.1	B4000
F1A063H-MTA03140	HSK A 63 MTA 03 140	A63	3	140	40	1.5	B4000
F1A063H-MTA04160	HSK A 63 MTA 04 160	A63	4	160	48	1.9	B4000

HSK A100



Part No.	Product name	Taper	MT No.	L	D1	Kgs	Group
F1A100H-MTA01110	HSK A 100 MTA 01 110	A100	1	110	25	2.2	B4000
F1A100H-MTA02120	HSK A 100 MTA 02 120	A100	2	120	32	2.4	B4000
F1A100H-MTA03150	HSK A 100 MTA 03 150	A100	3	150	40	2.9	B4000
F1A100H-MTA04170	HSK A 100 MTA 04 170	A100	4	170	48	3.3	B4000
F1A100H-MTA05200	HSK A 100 MTA 05 200	A100	5	200	70	4.5	B4000



HSK (DIN 69893)

MTA Morse Taper Adaptor (DIN 228-2 Form D)

Accessories



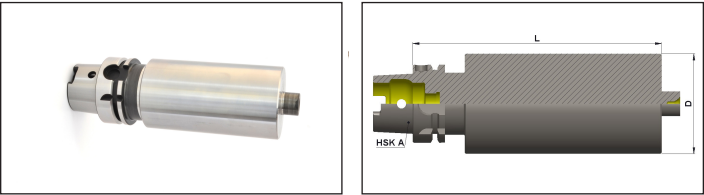
For Further Details Please Refer Accessories Catalog.



HSK (DIN 69893)

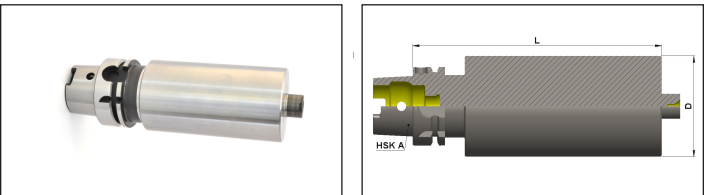
BLA Boring Blank Adaptor

HSK A63



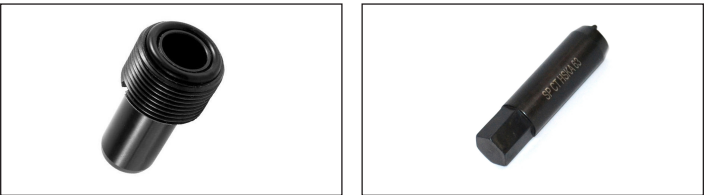
Part No.	Product name	Taper	D	L	Kgs	Group
F1A063X-BLA064250	HSK A63 BLANK 64 250	A63A	64	250	6	B6600
F1A063X-BLA080200	HSK A63 BLANK 80 200	A63A	80	200	7	B6600

HSK A100



Part No.	Product name	Taper	D	L	Kgs	Group
F1A100X-BLA100150	HSK A100 BLANK 100 150	A100	100	150	8.9	B6600
F1A100X-BLA100250	HSK A100 BLANK 100 250	A100	100	250	15	B6600

Accessories



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