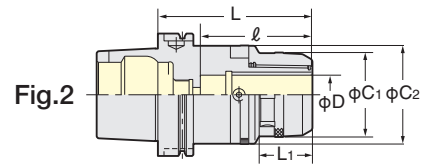
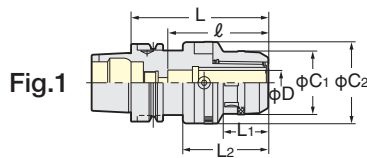


# HSK ZERO FIT TYPE MILLING CHUCK



CZF

JAPAN, USA, UK, GERMANY, KOREA, TAIWAN PAT.

TAPER	Code No.	C1	C2	L	L1	L2	ℓ	Weight(kg)	Fig.	Collet
HSK 50A	HSK 50A-CZF20-115	51.5	66.5	115	35	73	80	1.8	1	KM20 CCK20
	HSK 63A-CZF20-110			110				2		
HSK 63A	-CZF25-110	59.5	74.5	110	68	80	2.5	KM25 CCK25		
	-CZF32-130	69	80.5	130	88	105	2.8			KM32 CCK32
HSK 100A	HSK 100A-CZF20-115	51.5	66.5	115	35	-	80	3.5	2	KM20 CCK20
	-CZF25-115	59.5	74.5		80		3.8	KM25 CCK25		
	-CZF32-115	69	80.5	42	83	4	KM32 CCK32			

- ★Spanner is available as an option. CZF20 type:9HC22, CZF25 type:9HC25, CZF32 type:9HC32
- ★Please note that the acceptable shank tolerance is  $h_6-h_7$ .
- ★Wrench to adjust run-out (9ZFL) is available as an option.
- ★Please add "P" at the end of Code No. for High Speed Zero Fit Milling Chuck. e.g. HSK63A-CZF25-110P
- ★Multi-Cam style is available. e.g. HSK63A-CZF32-130-C3. (3 Cams) Please contact us for more detail.
- ★Please refer to P.36 for Milling chuck Coolant Solution.
- ★Lubrication Pipe is optional. Please refer to P.278

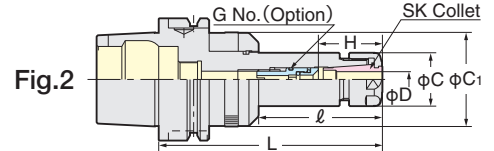
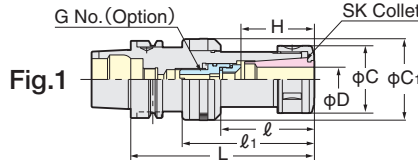


9ZFL

- ★Please refer to P.260 for KM, CCK collet.
- ★For Centre Through Coolant application: Please use CKFN-D Nut for the direct chucking. Please use CCK collet and CKFN nut for chucking with collet.

HSK

# HSK ZERO FIT TYPE SLIM CHUCK



SZF

JAPAN, USA, UK, GERMANY, KOREA, TAIWAN PAT.

- When using SK-A collets or SK-AC collets, or when gripping a cutting tool smaller than the nominal diameter on SK collets, the total length will be shortened by about 3 mm. Please be careful when you check the interference.

TAPER	Code No.	D	L	ℓ	ℓ1	C	C1	H	G No. (Option)	Weight(kg)	Fig.	Collet
HSK 40A	HSK 40A-SZF 6C-105	0.7~6.0	105	32	70	19.5	40.5	26~31	SKG 6- 6HG	0.6	1	SK 6
	-SZF10C-105	1.75~10.0				27.5	48.5	35~41	SKG10-10HG	0.7		SK10
	-SZF16C-120	2.75~16.0				40	59.5	45~52	SKG16-10HG	0.8		SK16
HSK 50A	HSK 50A-SZF 6C-120	0.7~6.0	120	68	-	19.5	40.5	26~31	SKG 6- 6HG	0.9	2	SK 6
	-SZF10C-120	1.75~10.0		46	78	27.5	48.5	35~41	SKG10-10HG	1.1		SK10
	-SZF16C-135	2.75~16.0	135	57	93	40	59.5	45~52	SKG16-10HG	1.5	1	SK16
	-SZF25C-135	7.5~25.4				55	66.5	60~65	SKG25-18HGE	1.8		SK25
HSK 63A	HSK 63A-SZF 6C-120	0.7~6.0	120	68	-	19.5	40.5	26~31	SKG 6- 6HG	1.2	2	SK 6
	-SZF10C-105, 150	1.75~10.0				105, 150	53, 98	27.5	48.5	35~41		SKG10-10HG
	-SZF16C-150	2.75~16.0	150	76	40	59.5	45~57	SKG16-12HG	2	1	SK16	
	-SZF25C-135	7.5~25.4	135	57	93	55	66.5	60~65	SKG25-18HGE		2.1	SK25
HSK 100A	HSK 100A-SZF 6C-120	0.7~6.0	120	54	-	19.5	40.5	26~31	SKG 6- 6HG	2.4	2	SK 6
	-SZF10C-150	1.75~10.0				150	85	27.5	48.5	35~41		SKG10-10HG
	-SZF16C-150	2.75~16.0	150	85	40	59.5	45~57	SKG16-12HG	3.7	1	SK16	
	-SZF25C-150	7.5~25.4	150	95	55	66.5	60~65	SKG25-18HGE	4.1		SK25	

- ★Adjust screw (G No.), wrench to adjust run-out (9ZFL) and SKL spanner are available as an option. SZF6C:SKL-6W, SZF10C:SKL-10, SZF16C:9HC16, SZF25C:9HC25
- ★Spanner for run-out adjustment is available as an option. Code No. is 9ZFL.
- ★Please use "P" class or "A" type SK collet. P.265
- ★For High Speed type, Code No. is "SZF-P". e.g. HSK63A-SZF10C-105P
- ★For Centre Through Coolant application, please use SK J type nut and cap. P.53

- Please note that the total tool length with J type nut is extended 6mm longer.
- ★Multi-Cam style is available. e.g. HSK63A-SZF16C-150-C3. (3 Cams) Please contact us for more detail.
- ★Please refer to P.53 for SK Coolant Solution.
- ★Lubrication Pipe is optional. Please refer to P.278



9ZFL



GH Handle P.52