

HSK SLIM CHUCK

NIKKEN

High Precision·High Speed
Power of TiN Bearing Nut

SK
Centre Through
MAX. 7MPa

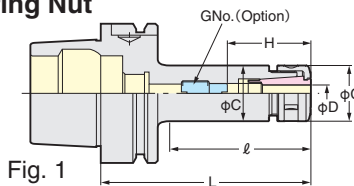


Fig. 2

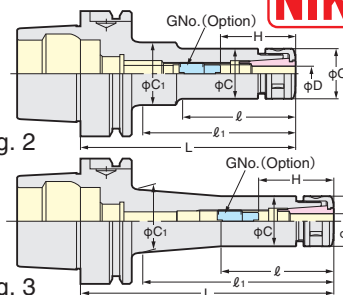


Fig. 3

- Please add "J" at the end of code No. for the chuck with SK J type nut. (Cap is not included, please order separately) e.g. HSK63A-SK10C-105P-J
- When SK J type nut is used, the total chuck length will be extended by 6mm. **JAPAN, USA, EU, KOREA 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.	φD	H	H ₁	ℓ	ℓ ₁	C	C ₁	G No. (Option)	Weight (kg)	Fig.	SK Collet
HSK 40A	HSK 40A-SK 6 - 60 ^{*3}	0.7~6.0	40	40	37	-	19.5	-	-	0.28	1	SK 6
	-SK 6C- 80		26~31	46	57				SKG6-6HG	0.32		
	-SK10 - 60 ^{*3}	1.75~10.0	40	40	39	-	27.5	-	-	0.35	1	SK10
	-SK10 - 75 ^{*2}		29~36	43	52				SKG-6L	0.4		
	-SK10C-100	2.75~13.0	33~41	58	77	-	33	-	SKG10-10HG	0.5	1	SK13
	-SK13 - 75 ^{*3}		55	55	54				-	0.5		
	-SK13C-120	2.75~16.0	39~51	68	100	-	40	-	SKG13-10HG	0.8	1	SK16
	-SK16 - 80 ^{*2}		60	60	59				-	0.6		
HSK 50A	-SK16C-120	0.7~6.0	45~52	77	99	-	19.5	-	SKG16-10HG	0.9	1	SK 6
	HSK 50A-SK 6 - 60 ^{*3}		37	37	31				-	0.4		
	-SK 6C- 80	1.75~10.0	26~31	46	51	-	27.5	-	SKG6-6HG	0.5	1	SK10
	-SK10 - 60 ^{*3}		35	35	33	-	33	-	-	0.5		
	-SK10 - 90 ^{*2}	2.75~13.0	35~41	65	63	-	40	-	SKG-12S	0.6	1	SK13
	-SK10C-105		35~41	58	76	-	40	-	SKG10-10HG	0.7		
	-SK13 - 70 ^{*3}	2.75~16.0	47	47	43	-	40	-	-	0.9	1	SK16
	-SK13 - 90 ^{*3}		65	65	61	-	40	-	SKG-15	1.2		
	-SK13 -105 ^{*2}	2.75~16.0	31~47	80	76	-	40	-	SKG13-10HG	1.4	1	SK16
	-SK13C-120		39~51	68	89	-	40	-	-	0.6		
	-SK16 - 80 ^{*3}	2.75~16.0	52	52	53	-	40	-	SKG-6L-25L	0.9	1	SK16
	-SK16 -105 ^{*2}		50~58	65	78	-	40	-	SKG16-10HG	1.1		
HSK 63A	-SK16C-120	0.7~6.0	45~52	77	93	-	19.5	-	-	0.7	1	SK 6
	HSK 63A-SK 6 - 60 ^{*3}		38	38	31	-	32	32	SKG8-18L	0.8	2	SK 6
	-SK 6 - 80 ^{*2}	0.7~6.0	21~35	58	51	-	32	32	SKG6-6HG	0.9	3	SK 6
	-SK 6C-100		26~31	46	62	71	25	25	-	1.0	1	SK10
	-SK 6C-120	1.75~10.0	26~31	46	62	91	27.5	32	SKG10-10HGG	1.0	2	SK10
	-SK 6C-150		26~31	46	60	121	34.5	34.5	SKG10-10HG	1.1	3	SK10
	-SK10 - 60 ^{*3}	1.75~10.0	35	35	31	-	32	32	-	0.7	1	SK13
	-SK10C- 90		33~36	53	59	-	40	40	SKG10-10HG	1.3	2	SK13
	-SK10C-105	2.75~13.0	33~41	58	74	91	39	39	-	1.5	3	SK16
	-SK10C-120		33~41	58	60	106	48.5	48.5	SKG13-10HG	1.7	1	SK20
	-SK10C-135	2.75~16.0	33~41	58	75	106	55	55	-	1.1	1	SK25
	-SK10C-150		33~41	58	73	121	55	55	SKG-15	1.2	1	SK25
	-SK13 - 70 ^{*3}	2.75~13.0	45	45	43	-	40	40	SKG13-10HG	1.5	3	SK16
	-SK13 - 90 ^{*3}		64	64	61	-	40	40	-	1.1	1	SK20
	-SK13 -105 ^{*2}	2.75~16.0	31~47	80	74	-	40	40	SKG-8	1.3	1	SK25
	-SK13C-120		39~51	68	89	119	48.5	48.5	SKG16-10HG	1.6	1	SK25
	-SK13C-150	3.5~20.0	52	52	51	-	55	55	SKG16-12HG	1.7	1	SK25
	-SK16 - 80 ^{*3}		50~58	65	76	-	55	55	-	1.4	1	SK25
	-SK16 -105 ^{*2}	7.5~25.4	45~52	77	91	-	55	55	SKG-8	1.6	1	SK25
	-SK16C-120		45~57	84	121	-	55	55	SKG20-12MFHG	1.8	1	SK25
	-SK16C-150	7.5~25.4	59	59	63	-	55	55	-	2.0	1	SK25
	-SK20 - 90 ^{*3}		50~57	64	78	-	55	55	SKG25-18HGE	1.9	1	SK25
	-SK20 -105 ^{*2}	7.5~25.4	50~55	74	93	-	55	55	-	1.6	1	SK25
	-SK20C-120		63	63	61	-	55	55	-	1.6	1	SK25
	-SK20C-135	7.5~25.4	60~65	91	108	-	55	55	-	1.9	1	SK25
	-SK25 - 90 ^{*3}		60~65	91	108	-	55	55	-	1.9	1	SK25
	-SK25C-135		60~65	91	108	-	55	55	-	1.9	1	SK25

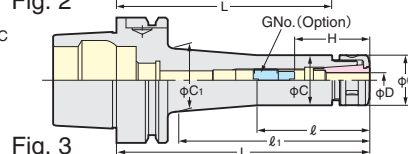
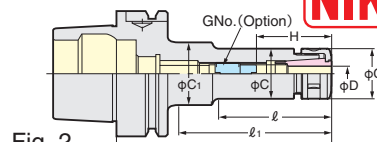
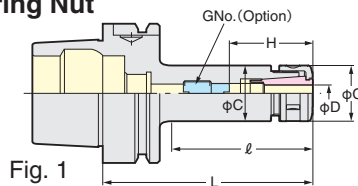
★ Collet, adjust screw (G No.) and spanner are available as an option. ★ Please refer to P.265 for SK collet and please refer to P.53 for J type nut.

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TAPER	Code No.	φD	H	H ₁	ℓ	ℓ ₁	C	C ₁	G No. (Option)	Weight (kg)	Fig.	SK Collet
HSK 100A	HSK100A-SK 6C-105	0.7~6.0	26~31	46	62	71	19.5	40	SKG6-6HG	1.2	2	SK 6
	-SK10C-105	1.75~10.0	33~41	58	57	71	27.5	40	SKG10-10HG	2.6	2	SK10
	-SK10C-120				74	86				2.9		
	-SK10C-150				80	116				3.2		
	-SK10C-200				75	166				3.5		
	-SK13 -105*³	2.75~13.0	63	63	71	-	33	-	-	2.7	1	SK13
	-SK13C-120		39~51	68	86	-				3.1		
	-SK13C-150				92	116				3.4		
	-SK13C-200				92	166				3.8		
	-SK16 -105*³	2.75~16.0	45~60	63	71	-	40	-	SKG-12-30L	2.7	1	SK16
	-SK16C-120		45~52	77	86	-				3.2		
	-SK16C-150		45~52	84	90	116				3.5		
	-SK16C-200		45~52	84	90	166				3.8		
	-SK20C-120	3.5~20.0	50~55	74	86	-	48.5	-	SKG20-12MFHG	3.1	1	SK20
	-SK20C-150		47~63	82	116	-				3.5		
	-SK20C-200				166	-				4.2		
	-SK25 -120*³	7.5~25.4	55~75	76	86	-	55	-	SKG-12-30L	3.4	1	SK25
	-SK25C-145		60~65	91	111	-				4.8		

- ★ Collet, adjust screw (G No.) and spanner are available as an option. ★ Please refer P.265 for SK collet and please refer P.53 for J type nut.
 The Code No. of the spanner is **SK6C (C=φ18)**: SKL-6, SK6C (C=φ19.5): SKL-6W, SK10C: SKL-10, SK13C: 9HC12A, SK16C: 9HC16, SK20C: 9HC22, SK25C: 9HC25
 ★ **H₁** means MAX.H without an adjust screw. ★ No adjust screw is applied for the Slim Chucks marked *³.
 ★ All Slim Chucks are High Pressure Centre Through Coolant type (MAX. 7MPa). **SK6C: φ4~φ6, SK10C: φ6~φ10, SK16C: φ10~φ16, SK25C: φ16~φ25**
 ★ Slim Chucks marked *² and *³ can be used for the centre through coolant type with J type nut. ★ is C type. HSK40A-SK16C-120, HSK50A-SK6C-80, HSK63A-SK25C-135
 ★ Please refer P.53 for sk Coolant Solution.
 ★ Lubrication Pipe is optional. Please refer P.278



HSK