

SLIM CHUCK HIGH SPEED ROTATION • HIGH ACCURACY

NIKKEN

NEW SK13, SK20 Series Addition



SK

Photo shows SK10 type.

When SK J type nut is used, the total chuck length will be extended by 6mm.

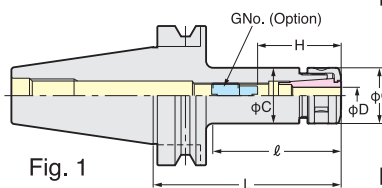


Fig. 2

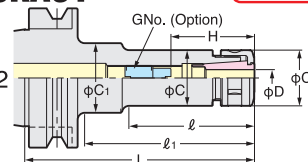
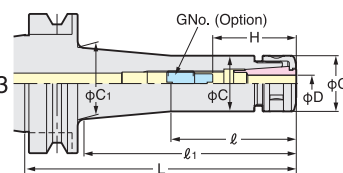


Fig. 3



PAT.

TAPER	Code No.	D	L	l	l ₁	C	C ₁	H	G No. (Option)	Weight (kg)	Fig	SK Collet
No.30	BT30-SK 6- 60	0.7 ~ 6.0	60	33	33	19.5	19.5	21~35	SKG- 8	0.7	1	SK 6
	- 90		90	56	65		32			0.7	2	
	-120		120	62	95					0.8		
	-SK10- 45	1.75~10.0	45	22	22	27.5	27.5	30~50	SKG-12S	0.8	1	SK10
	- 60		60	35	35					0.9		
	- 75		75	50	50					1.0		
	- 90	2.75~13.0	90	65	65	33	33	31~50	SKG-12L	1.0	1	SK13
	-120		120	95	95					1.1		
	-SK13- 60		60	35	35					1.1		
	- 75	2.75~16.0	75	50	50	40	40	31~65	SKG-15	1.1	1	SK16
	- 90		90	65	65					1.1		
	-120		120	95	95					1.2		
	-SK16- 60	3.5~20.0	60	37	37	48.5	48.5	45~60	SKG-12L	1.1	1	SK20
	- 75		75	52	52					1.2		
	- 90		90	67	67					1.2		
	-120	7.5~25.4	120	97	97	55	55	45~65	SKG-12	1.3	1	SK25
	-SK20- 60		60	37	37					0.7		
	- 75		75	52	52					0.9		
	- 90	7.5~25.4	90	67	67	55	55	70~75	SKG-12L	1.2	1	SK25
	-SK25- 90		90	67	67					1.2		
										1.5		
No.40	BT40-SK 6- 60	0.7 ~ 6.0	60	30	30	19.5	19.5	21~35	SKG- 8	1.0	1	SK 6
	- 90		90	51	60		32			1.1	2	
	-120		120	60	90		25			1.4	3	
	-150	1.75~10.0	150	60	120	27.5	27.5	30~50	SKG-12L	1.5	1	SK10
	-SK10- 60		60	32	32					1.1		
	- 75		75	45	45					1.2		
	- 90	2.75~13.0	90	48	60	33	33	31~65	SKG-15	1.2	2	SK13
	-120		120		90					1.4		
	-150		150		118					1.6		
	-180	2.75~16.0	180	73	148	40	40	40~70	SKG-18L	1.6	3	SK16
	-200		200		168					1.8		
	-250		250		218					2.1		
	-SK13- 60	3.5~20.0	60	28	28	48.5	48.5	50~65	SKG-22	1.2	1	SK20
	- 75		75	43	43					1.3		
	- 90		90	58	58					1.4		
	-120	7.5~25.4	120		88	55	55	55~75	SKG-12	1.6	1	SK25
	-150		150		118					1.8		
	-180		180	88	148					2.0		
	-200	7.5~25.4	200		168	55	55	55~85	SKG-28	2.2	1	SK25
	-250		250		218					2.7		
	-SK16- 60		60	32	32					1.3		
	- 75	2.75~16.0	75	43	43	40	40	40~67	SKG-18S	1.4	1	SK16
	- 90		90	58	58					1.5		
	-120		120	88	88					1.7		
	-150	3.5~20.0	150	118	118	48.5	48.5	47~60	SKG-22	1.9	1	SK20
	-180		180	148	148					2.0		
	-200		200	168	168					2.2		
	-250	7.5~25.4	250	218	218	55	55	47~80	SKG-22	2.7	1	SK25
	-SK20- 60		60	32	32					1.3		
	- 75		75	45	45					1.4		
	- 90	7.5~25.4	90	60	60	55	55	55~75	SKG-12	1.6	1	SK25
	-120		120	90	90					2.0		
	-SK25- 75		75	47	47					1.7		
	- 90	7.5~25.4	90	61	61	55	55	55~85	SKG-28	1.8	1	SK25
	-120		120	91	91					2.0		

SLIM CHUCK HIGH SPEED ROTATION • HIGH ACCURACY

NIKKEN



SK

Photo shows SK16 type.

NEW

SK13, SK20 Series Addition

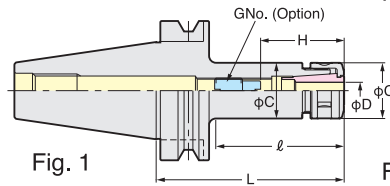


Fig. 1

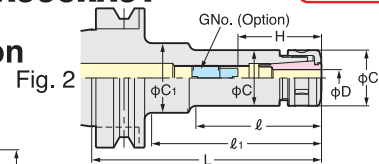


Fig. 2

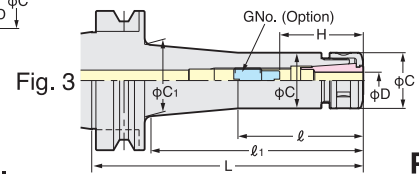


Fig. 3

PAT.

When SK J type nut is used, the total chuck length will be extended by 6mm.

TAPER	Code No.	D	L	ℓ	ℓ ₁	C	C ₁	H	G No. (Option)	Weight (kg)	Fig	SK Collet		
No.50	BT50-SK 6-105	0.7 ~ 6.0	105	55	64	19.5	32	21~35	SKG- 8	3.8	2	SK 6		
	-135		135		92					3.9				
	-165		165	60	114		4.0							
	-200		200		151		4.2	3						
	-SK10-105	1.75~10.0	105	57	57	27.5	30~50	SKG-12L	4.2	1	SK10			
	-135		135	70	92				4.4	2				
	-165		165		114				32			4.6		
	-200		200	75	151				36	4.8		3		
	-225		225		178	40	5.0							
	-250		250		203	60	5.2							
	-300		300		253	60	5.6							
	-SK13-105		2.75~13.0	105	62	62	33		31~65	SKG-15		4.5	1	SK13
	-135			135		92						4.7		
	-165	165		92	122	45	4.9	3						
	-200	200			157		5.2							
	-250	250			207		5.7							
	-300	300			257		6.2							
	-SK16-105	2.75~16.0	105	62	62	40	40~70	SKG-18L	4.7	1	SK16			
	-135		135	92	92				4.9					
	-165		165	90	122				50	5.1		3		
	-200		200		157				52	5.5				
	-250		250		207	60			6.0					
	-300		300		257	60			6.5					
	-SK20-105	3.5~20.0	105	62	62	48.5	48.5	47~80	SKG-22	4.3	1	SK20		
	-135		135	92	92					4.6				
	-165		165	122	122					5.0				
	-200		200	157	157					5.4				
	-250		250	207	207					6.1				
	-300		300	257	257					6.8				
	-SK25-105	7.5~25.4	105	62	62	55	55	50~85	SKG-28	5.2	1	SK25		
	-135		135	92	92					5.4				
	-165		165	122	122					5.6				
	-200		200	157	157					6.0				
	-250		250	207	207					6.7				
	-300		300	257	257					7.4				

★Please refer P.57 for use as Tap Holder for Synchronized Tapping.

★Collet, adjust screw (G No.) and spanner are available as an option.

The Code No. of the spanner is **SK6 (C=φ18)** : SKL-6, SK6 (C=φ19.5) : SKL-6W, SK10: SKL-10, SK13: 9HC12A, SK16: 9HC16, SK20: 9HC22, SK25: 9HC25

★Please refer P.41, P.42 for High Speed Slim Chuck (40,000min⁻¹)

★All Slim Chucks can be used for Centre Through Coolant type. Please refer P.44 for Centre Through Coolant Adjust Screw and P.270 for Centre Through Pull Stud.

★Please refer P.105 for High Pressure (MAX.7MPa) Centre Through Coolant type. ★Please refer P.107 for Flange Through Coolant type.

★BT40-SK10-200, 250 BT50-SK10-250, 300 are also available as semi-standard.

-SK16-200, 250 -SK16-250, 300

★Please add "-RP" at the end of Code No. for Rust Proof Treatment Slim Chuck. e.g. BT40-SK10-90-RP

BT15 Shank

TAPER	Code No.	D	L	ℓ	ℓ ₁	C	C ₁	H	G No. (Option)	Weight (kg)	Fig	SK Collet
No.15	BT15BR-SK 6- 40	0.7 ~ 6.0	40	26	26	19.5	19.5	21~30	SKG- 6	0.10	1	SK 6
	- 55		55	39	39			21~35	SKG- 8	0.14		
	- 65		65	49	49					0.15		
	-SK10- 40	1.75~10.0	40	26	26	27.5	27.5	30~37	SKG- 6L	0.14		SK10
	- 55		55	41	41			35~45		0.20		

★BT15BR is the solid tool integrated with pull stud for BROTHER.

★BT15HW is the solid tool integrated with pull stud for HOWA.

★BT20P and BT25M are the solid tools with integrated with pull stud without drive key groove for MAKINO SEIKI.

e.g. BT20P-SK10-40S, BT25M-SK16-70

★S20T is the short taper tool for SUGINO.

BT15BR

