

# SLIM CHUCK HIGH SPEED ROTATION • HIGH ACCURACY

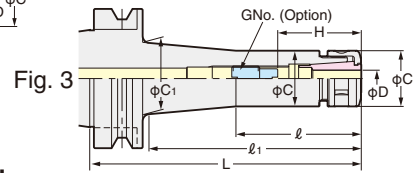
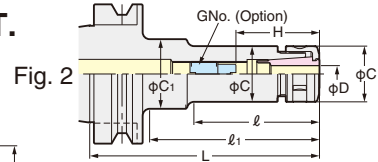
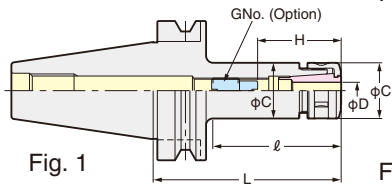
JAPAN, USA, EU, KOREA PAT.

**NIKKEN**



**SK**

Photo shows SK10 type.



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

TAPER	Code No.	D	L	l	l <sub>1</sub>	C	C <sub>1</sub>	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		90	65	65					1.0			
	-120		120	95	95					1.1			
	-SK13- 60	2.75~13.0	60	35	35	33	33	31~50	SKG-15	1.0	1	SK13	
	- 75		75	50	50					1.1			
	- 90		90	65	65					1.1			
	-120	120	95	95	1.2								
	-SK16- 60	2.75~16.0	60	37	37	40	40	45~60	SKG-12L	1.1	1	SK16	
	- 75		75	52	52			45~65	SKG-12	1.2			
	- 90		90	67	67			40~70	SKG-18L	1.3			
	-120		120	97	97			65~70	SKG-12S	0.7			
	-SK20- 60	3.5~20.0	60	37	37	48.5	48.5	70~75	SKG-12L	0.9	1	SK20	
	- 75		75	52	52			65~75	SKG-12	1.2			
	- 90		90	67	67			55~75	SKG-12	1.5			
	-SK25- 90	7.5~25.4	90	67	67	55	55	55~75	SKG-12	1.5	1	SK25	
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		150	60	120		1.5						
	-SK10- 60	1.75~10.0	60	32	32	27.5	27.5	30~50	SKG-12L	1.1	1	SK10	
	- 75		75	45	45					40	1.2		2
	- 90		90	48	60					34.5	1.2		
	-120		120	90	90		39			1.4	3		
	-150		150	118	118		1.6						
	-180		180	73	148		1.6						
	-200		200	168	168		1.8						
	-250		250	218	218		2.1						
	-SK13- 60		2.75~13.0	60	28		28			33	33		31~65
	- 75	75		43	43	40	1.3	3					
	- 90	90		58	58	1.4							
	-120	120		88	88	1.6							
	-150	150		118	118	1.8							
	-180	180		88	148	1.8							
	-200	200		168	168	2.0							
	-250	250		218	218	2.4							
	-SK16- 60	2.75~16.0		60	32	32	40	40	50~65		SKG-18S	1.3	
	- 75		75	43	43	40~67			1.4				
	- 90		90	58	58	1.5							
	-120		120	88	88	1.7							
	-150		150	118	118	1.9							
	-180		180	148	148	2.0							
	-200		200	168	168	2.2							
	-250		250	218	218	2.7							
	-SK20- 60		3.5~20.0	60	32	32		48.5	48.5	47~60	SKG-22	1.3	1
	- 75	75		45	45	47~70	1.4						
	- 90	90		60	60	47~80	1.6						
	-120	120		90	90	2.0							
	-SK25- 75	7.5~25.4	75	47	47	55	55	55~75	SKG-12	1.7	1	SK25	
	- 90		90	61	61			55~85	SKG-28	1.8			
	-120		120	91	91			2.0					

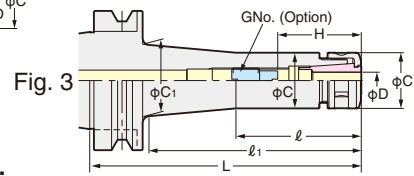
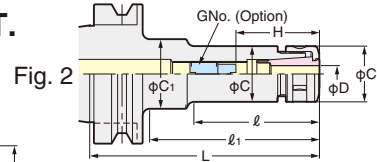
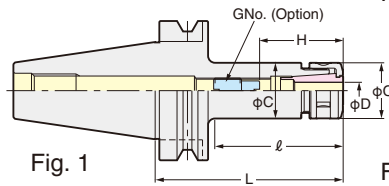
# SLIM CHUCK HIGH SPEED ROTATION • HIGH ACCURACY

JAPAN, USA, EU, KOREA PAT.



**SK**  
Photo shows SK16 type.

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



TAPER	Code No.	D	L	l	l <sub>1</sub>	C	C <sub>1</sub>	H	G No. (Option)	Weight (kg)	Fig	SK Collet		
No.50	<b>BT50-SK 6-105</b>	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				
	-SK10-105	1.75~10.0	105	57	57	27.5	32	30~50	SKG-12L	4.2	1	SK10		
	-135		135	70	92					4.4				
	-165		165		114					4.6				
	-200		200		151					4.8				
	-225		225	75	178		5.0			3	SK13			
	-250		250		203		5.2							
	-300		300		253		5.6							
	-SK13-105		2.75~13.0	105	62		62			33			33	31~65
	-135	135			92	4.7								
	-165	165			122	4.9	2	SK16						
	-200	200		92	157	5.2								
	-250	250			207	5.7	3		SK20					
	-300	300			257	6.2								
	-SK16-105	2.75~16.0	105	62	62	40	40			40~70	SKG-18L	4.7	1	SK16
	-135		135	92	92							4.9		
	-165		165		122		5.1	2				SK25		
	-200		200	90	157		5.5							
	-250		250		207		6.0	3	SK20					
	-300		300		257		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.65 for use as Tap Holder for Synchronized Tapping.
- ★Collet, adjust screw (G No.) and spanner are available as an option. Please refer P.43 for SK Collet.
- 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.45, P.46 for High Speed Slim Chuck (40,000min<sup>-1</sup>)
- ★All Slim Chucks can be used for Centre Through Coolant type. Please refer P.52 for Centre Through Coolant Adjust Screw and P.304 for Centre Through Pull Stud.
- ★Please refer P.129 for High Pressure (MAX.7MPa) Centre Through Coolant type. ★Please refer P.131 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 <sub>1</sub>	C	C <sub>1</sub>	H	G No. (Option)	Weight (kg)	Fig	SK Collet
No.15	<b>BT15BR-SK 6- 40</b>	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