



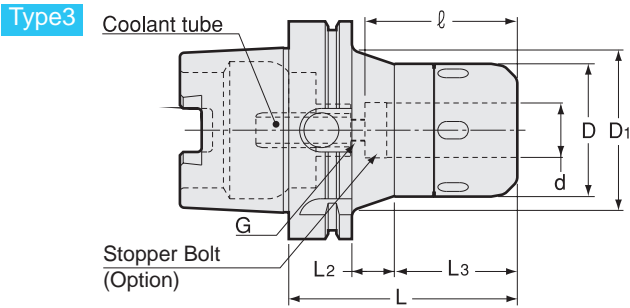
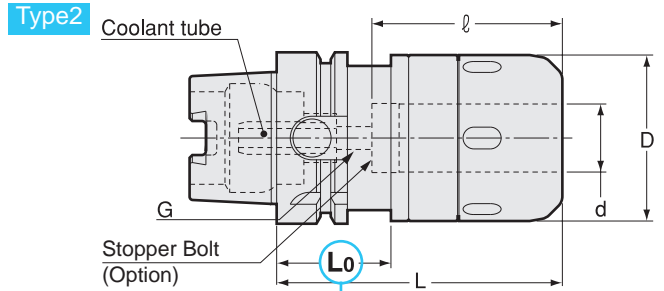
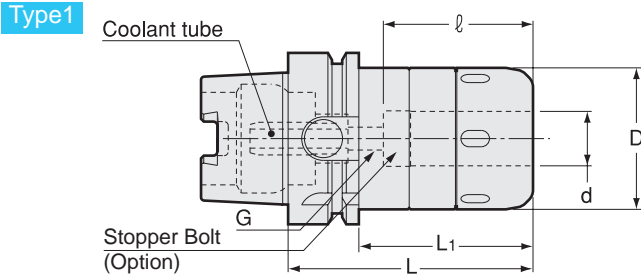
HSK

HSK TOOLING SYSTEM

CT·S

Super tite-lock Milling Chuck

● Slim design milling chuck. Specially designed slits enables heavy endmilling.



Caution
★ Take caution against A.T.C. arm and tool magazine interference.

Caution

Please rotate the clamping ring counterclockwise more than 360 degrees after a cutting tool is removed.

● Coolant tube is included.

Inch Sizes Unit : Inch

Code	Model	Type	d	D	D1	L	L1	L2	L3	ℓ	L0	G	kg	Spanner
5690 13124090	HSK40A -CT0750S -90	2	0.750	2.047	-	3.543	-	-	-	2.362	1.378	M5	1.0	HS-2-20
5690 13132105	HSK40A -CT1000S -105	2	1.000	2.402	-	4.134	-	-	-	2.362	1.378	M5	1.6	HS-2.5-25
5690 15124090	HSK63A -CT0750S -90	1	0.750	2.047	-	3.543	2.520	-	-	2.362	-	M8	1.5	HS-2-20
5690 15124105	-105	1	0.750	2.047	-	4.134	3.110	-	-	2.953	-	M8	1.8	
5690 15124135	-135	1	0.750	2.047	-	5.315	4.291	-	-	3.150	-	M8	2.2	
5690 15132105	HSK63A -CT1000S -105	2	1.000	2.402	-	4.134	-	-	-	2.953	1.654	M8	2.0	HS-2.5-25
5690 15132120	-120	2	1.000	2.402	-	4.724	-	-	-	2.953	1.654	M8	2.3	
5690 15132135	-135	2	1.000	2.402	-	5.315	-	-	-	3.150	1.654	M8		
5690 15140105	HSK63A -CT1250S -105	2	1.250	2.874	-	4.134	-	-	-	2.953	1.654	M8	2.4	HS-3-32
5690 15140120	-120	2	1.250	2.874	-	4.724	-	-	-	3.543	1.654	M8	2.7	
5690 15140150	-150	2	1.250	2.874	-	5.906	-	-	-	4.724	1.654	M8	3.5	
5690 17124090	HSK100A -CT0750S -90 *	3	0.750	2.047	2.913	3.543	-	0.630	1.772	2.165	-	M10	2.9	HS-2-20
5690 17124105	-105	3	0.750	2.047	2.913	4.134	-	1.220	1.772	2.756	-	M10	3.2	
5690 17124135	-135	3	0.750	2.047	2.913	5.315	-	2.402	1.772	3.150	-	M10		
5690 17124150	-150	3	0.750	2.047	2.913	5.906	-	2.992	1.772	3.150	-	M10		
5690 17132090	HSK100A -CT1000S -90 *	1	1.000	2.402	-	3.543	2.402	-	-	2.165	-	M10		HS-2.5-25
5690 17132105	-105	3	1.000	2.402	2.913	4.134	-	0.787	2.205	2.756	-	M10	3.5	
5690 17132135	-135	3	1.000	2.402	2.913	5.315	-	1.969	2.205	3.150	-	M10		
5690 17132150	-150	3	1.000	2.402	2.913	5.906	-	2.559	2.205	3.150	-	M10	4.7	
5690 17140090	HSK100A -CT1250S -90 *	1	1.250	2.874	-	3.543	2.402	-	-	2.165	-	M10		HS-3-32
5690 17140105	-105	1	1.250	2.874	-	4.134	2.992	-	-	2.756	-	M10	4.0	
5690 17140120	-120	1	1.250	2.874	-	4.724	3.583	-	-	3.346	-	M10		
5690 17140135	-135	1	1.250	2.874	-	5.315	4.173	-	-	3.937	-	M10	4.8	
5690 17140150	-150	1	1.250	2.874	-	5.906	4.764	-	-	4.528	-	M10	5.2	
5690 17164110	HSK100A -CT2000S -110 *	2	2.000	4.134	-	4.331	-	-	-	2.756	1.772	M10	5.8	HS-4V
5690 17164135	-135	2	2.000	4.134	-	5.315	-	-	-	3.937	1.772	M10		
5690 17164150	-150	2	2.000	4.134	-	5.906	-	-	-	4.331	1.772	M10		
5690 17164165	-165	2	2.000	4.134	-	6.496	-	-	-	4.724	1.772	M10		

1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
2. Tolerance of cutting tool shank must be h7.

Ordering Example

HSK40A - CT 0750 S - 90
 Shank size I.D. (d) Projection length (L)

Metric Sizes

Unit : Metric

Code	Model	Type	d	D	D1	L	L1	L2	L3	ℓ	L0	G	kg	Spanner
5690 13016075	HSK40A -CT16S -75	2	16	45	—	75	—	—	—	50	★ 26	M5	0.8	HS-1-16
5690 13016090	-90 * 1	2	16	45	—	90	—	—	—	60	35	M5	0.9	
5690 13020090	HSK40A -CT20S -90 * 2	2	20	52	—	90	—	—	—	60	35	M5	1.0	HS-2-20
5690 13020105	-105 * 2	2	20	52	—	105	—	—	—	60	35	M5	1.2	
5690 13025105	HSK40A -CT25S -105 * 2	2	25	61	—	105	—	—	—	60	35	M5	1.6	HS-2.5-25
5690 14016090	HSK50A -CT16S -90 * 1	2	16	45	—	90	—	—	—	60	42	M5	1.1	HS-1-16
5690 14020090	HSK50A -CT20S -90 * 2	2	20	52	—	90	—	—	—	60	42	M5	1.2	HS-2-20
5690 14020105	-105 * 2	2	20	52	—	105	—	—	—	60	42	M5	1.4	
5690 14025105	HSK50A -CT25S -105 * 1	2	25	61	—	105	—	—	—	75	42	M5	1.6	HS-2.5-25
5690 15016075	HSK63A -CT16S -75 * 2	1	16	45	—	75	49	—	—	47	—	M8	1.2	HS-1-16
5690 15016090	-90	1	16	45	—	90	64	—	—	60	—	M8	1.3	
5690 15020090	HSK63A -CT20S -90 * 2	1	20	52	—	90	64	—	—	60	—	M8	1.5	HS-2-20
5690 15020105	-105 * 1	1	20	52	—	105	79	—	—	75	—	M8	1.7	
5690 15020135	-135 * 1	1	20	52	—	135	109	—	—	80	—	M8	2.2	
5690 15025105	HSK63A -CT25S -105 * 1	2	25	61	—	105	—	—	—	75	42	M8	2.0	HS-2.5-25
5690 15025120	-120 * 1	2	25	61	—	120	—	—	—	75	42	M8	2.3	
5690 15025135	-135 * 1	2	25	61	—	135	—	—	—	80	42	M8	2.7	
5690 15032105	HSK63A -CT32S -105 * 3	2	32	73	—	105	—	—	—	75	42	M8	2.4	HS-3-32
5690 15032120	-120 * 3	2	32	73	—	120	—	—	—	90	42	M8	2.7	
5690 15032150	-150 * 1	2	32	73	—	150	—	—	—	120	42	M8	3.5	
5690 17016090	HSK100A -CT16S -90 * 2	3	16	45	56	90	—	16	45	55	—	M10	2.8	HS-1-16
5690 17016105	-105	3	16	45	56	105	—	31	45	70	—	M10	2.9	
5690 17020090	HSK100A -CT20S -90 * 6	3	20	52	64	90	—	16	45	55	—	M10	2.9	HS-2-20
5690 17020105	-105 * 4	3	20	52	64	105	—	18	58	70	—	M10	3.3	
5690 17020120	-120	3	20	52	64	120	—	33	58	80	—	M10	3.5	
5690 17020135	-135	3	20	52	64	135	—	48	58	80	—	M10	3.7	
5690 17020150	-150	3	20	52	64	150	—	63	58	80	—	M10	4.1	
5690 17025090	HSK100A -CT25S -90 * 6	1	25	61	—	90	61	—	—	55	—	M10	3.1	
5690 17025105	-105 * 5	3	25	61	74	105	—	20	56	70	—	M10	3.5	HS-2.5-25
5690 17025120	-120	3	25	61	74	120	—	35	56	80	—	M10	3.9	
5690 17025135	-135	3	25	61	74	135	—	50	56	80	—	M10	4.3	
5690 17025150	-150	3	25	61	73	150	—	65	56	80	—	M10	4.7	
5690 17032090	HSK100A -CT32S -90 * 6	1	32	73	—	90	61	—	—	55	—	M10	3.6	HS-3-32
5690 17032105	-105 * 2	1	32	73	—	105	76	—	—	70	—	M10	4.0	
5690 17032120	-120 * 3	1	32	73	—	120	91	—	—	85	—	M10	4.4	
5690 17032135	-135 * 1	1	32	73	—	135	106	—	—	100	—	M10	4.8	
5690 17032150	-150 * 1	1	32	73	—	150	121	—	—	115	—	M10	5.2	
5690 17042105	HSK100A -CT42S -105 * 6	2	42	88	—	105	—	—	—	70	45	M10	4.7	HS-4-42
5690 17042120	-120 * 2	2	42	88	—	120	—	—	—	85	45	M10	5.2	
5690 17042135	-135 * 2	2	42	88	—	135	—	—	—	100	45	M10	5.8	
5690 17042150	-150 * 2	2	42	88	—	150	—	—	—	110	45	M10	6.4	
5690 17042165	-165 * 1	2	42	88	—	165	—	—	—	120	45	M10	7.0	

- When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
- Tolerance of cutting tool shank must be h7.

Ordering Example

HSK40A - CT 16 S - 90






Shank size

I.D. (d)

Projection length (L)

Accessories

Models with * 1 - * 6 cannot be used with some accessories due to short ℓ length.

	Stopper Bolt 	Straight Collet 		Morse Taper Adapter 		Jacobs Adapter 		Spanner 
	BL (P.295)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)	
* 1	Yes	Yes	No	Yes	Yes	Yes	Yes	P. 069
* 2	Yes	Yes	No	No	No	No	No	
* 3	Yes	Yes	No	No	Yes	No	Yes	
* 4	Yes	Yes	Yes	Yes	No	Yes	No	
* 5	Yes	Yes	Yes	No	No	Yes	No	
* 6	Yes	No	No	No	No	No	No	

Min. chucking length

Without MC collet

I.D. of Milling Chuck	Min. chucking length
16, 20	40
25, 32, 42	50

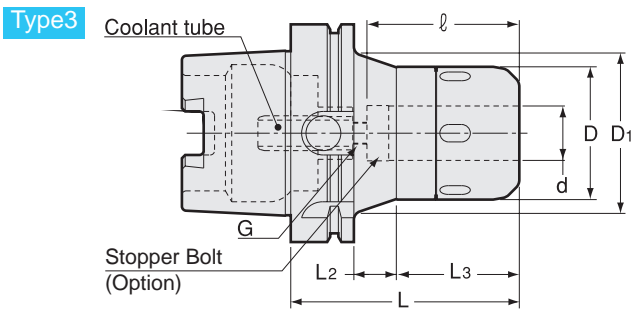
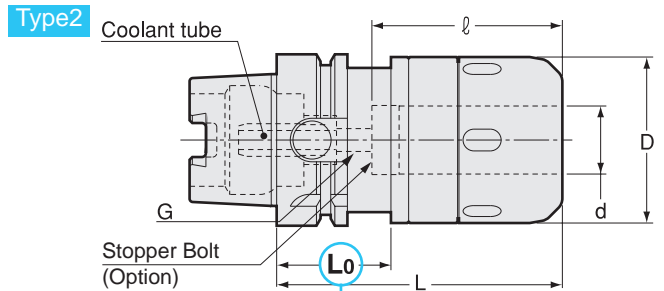
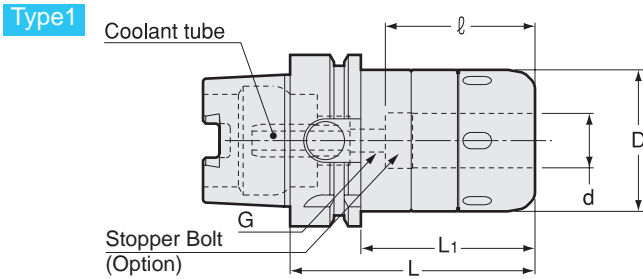
With MC collet

Collet I.D.	Min. chucking length	
	MC	MC-C, MC-OH
6, 8	30	30
10, 12	40	40
16, 20	45	45
25	50	50
32	50	60

CT·S·E

Super Tite-Lock Milling Chuck (High-Balanced Type)

● Slim design milling chuck. Specially designed slits enables heavy end milling. (High balanced type for higher RPM)



Caution
★ Take caution against A.T.C. arm and tool magazine interference.

Caution

Please rotate the clamping ring counterclockwise more than 360 degrees after a cutting tool is removed.

● Coolant tube is included.

Inch Sizes Unit : Inch

Code	Model	Type	d	D	D1	L	L1	L2	L3	ℓ	L0	G	kg	Spanner
5690 13324090	HSK40A -CT0750S - 90E	2	0.750	2.047	-	3.543	-	-	-	2.362	1.378	M5	1.0	HS-2-20
5690 13332105	HSK40A -CT1000S -105E	2	1.000	2.402	-	4.134	-	-	-	2.362	1.378	M5		HS-2.5-25
5690 15324090	HSK63A -CT0750S - 90E	1	0.750	2.047	-	3.543	2.520	-	-	2.362	-	M8		HS-2-20
5690 15324105	-105E	1	0.750	2.047	-	4.134	3.110	-	-	2.953	-	M8		
5690 15324135	-135E	1	0.750	2.047	-	5.315	4.291	-	-	3.150	-	M8		HS-2.5-25
5690 15332105	HSK63A -CT1000S -105E	2	1.000	2.402	-	4.134	-	-	-	2.953	1.654	M8		
5690 15332120	-120E	2	1.000	2.402	-	4.724	-	-	-	2.953	1.654	M8		HS-2.5-25
5690 15332135	-135E	2	1.000	2.402	-	5.315	-	-	-	3.150	1.654	M8		
5690 15340105	HSK63A -CT1250S -105E	2	1.250	2.874	-	4.134	-	-	-	2.953	1.654	M8		HS-3-32
5690 15340120	-120E	2	1.250	2.874	-	4.724	-	-	-	3.543	1.654	M8		
5690 15340150	-150E	2	1.250	2.874	-	5.906	-	-	-	4.724	1.654	M8		
5690 17324090	HSK100A -CT0750S - 90E *	3	0.750	2.047	2.913	3.543	-	0.630	1.772	2.165	-	M10		HS-2-20
5690 17324105	-105E	3	0.750	2.047	2.913	4.134	-	1.220	1.772	2.756	-	M10		
5690 17324135	-135E	3	0.750	2.047	2.913	5.315	-	2.402	1.772	3.150	-	M10		
5690 17324150	-150E	3	0.750	2.047	2.913	5.906	-	2.992	1.772	3.150	-	M10		
5690 17332090	HSK100A -CT1000S - 90E *	1	1.000	2.402	-	3.543	2.402	-	-	2.165	-	M10		HS-2.5-25
5690 17332105	-105E	3	1.000	2.402	2.913	4.134	-	0.787	2.205	2.756	-	M10	3.5	
5690 17332135	-135E	3	1.000	2.402	2.913	5.315	-	1.969	2.205	3.150	-	M10		
5690 17332150	-150E	3	1.000	2.402	2.913	5.906	-	2.559	2.205	3.150	-	M10		
5690 17340090	HSK100A -CT1250S - 90E *	1	1.250	2.874	-	3.543	2.402	-	-	2.165	-	M10		HS-3-32
5690 17340105	-105E	1	1.250	2.874	-	4.134	2.992	-	-	2.756	-	M10	3.9	
5690 17340120	-120E	1	1.250	2.874	-	4.724	3.583	-	-	3.346	-	M10		
5690 17340135	-135E	1	1.250	2.874	-	5.315	4.173	-	-	3.937	-	M10		
5690 17340150	-150E	1	1.250	2.874	-	5.906	4.764	-	-	4.528	-	M10		HS-4V
5690 17364110	HSK100A -CT2000S -110E *	2	2.000	4.134	-	4.331	-	-	-	2.756	1.772	M10		
5690 17364135	-135E	2	2.000	4.134	-	5.315	-	-	-	3.937	1.772	M10		
5690 17364150	-150E	2	2.000	4.134	-	5.906	-	-	-	4.331	1.772	M10		
5690 17364165	-165E	2	2.000	4.134	-	6.496	-	-	-	4.724	1.772	M10		

1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
2. Tolerance of cutting tool shank must be h7.

Ordering Example

HSK40A - CT 0750 S - 90 E
 Shank size I.D. (d) Projection length (L)

Metric Sizes

Unit : Metric

Code	Model	Type	d	D	D1	L	L1	L2	L3	ℓ	L0	G	kg	Spanner
5690 13216075	HSK40A -CT16S -75E * 1	2	16	45	-	75	-	-	-	50	★ 26	M5	0.8	HS-1-16
5690 13216090	-90E * 1	2	16	45	-	90	-	-	-	60	35	M5	0.9	
5690 13220090	HSK40A -CT20S -90E * 2	2	20	52	-	90	-	-	-	60	35	M5	1.0	HS-2-20
5690 13220105	-105E * 2	2	20	52	-	105	-	-	-	60	35	M5	1.2	
5690 13225105	HSK40A -CT25S -105E * 2	2	25	61	-	105	-	-	-	60	35	M5	1.6	HS-2.5-25
5690 14216090	HSK50A -CT16S -90E * 1	2	16	45	-	90	-	-	-	60	42	M5	1.1	HS-1-16
5690 14220090	HSK50A -CT20S -90E * 2	2	20	52	-	90	-	-	-	60	42	M5	1.2	HS-2-20
5690 14220105	-105E * 2	2	20	52	-	105	-	-	-	60	42	M5	1.4	
5690 14225105	HSK50A -CT25S -105E * 1	2	25	61	-	105	-	-	-	75	42	M5	1.6	HS-2.5-25
5690 15216075	HSK63A -CT16S -75E * 2	1	16	45	-	75	49	-	-	47	-	M8	1.2	HS-1-16
5690 15216090	-90E	1	16	45	-	90	64	-	-	60	-	M8	1.3	
5690 15220090	HSK63A -CT20S -90E * 2	1	20	52	-	90	64	-	-	60	-	M8	1.5	HS-2-20
5690 15220105	-105E * 1	1	20	52	-	105	79	-	-	75	-	M8	1.7	
5690 15220135	-135E * 1	1	20	52	-	135	109	-	-	80	-	M8	2.2	
5690 15225105	HSK63A -CT25S -105E * 1	2	25	61	-	105	-	-	-	75	42	M8	2.0	HS-2.5-25
5690 15225120	-120E * 1	2	25	61	-	120	-	-	-	75	42	M8	2.3	
5690 15225135	-135E * 1	2	25	61	-	135	-	-	-	80	42	M8	2.7	
5690 15232105	HSK63A -CT32S -105E * 3	2	32	73	-	105	-	-	-	75	42	M8	2.4	HS-3-32
5690 15232120	-120E * 3	2	32	73	-	120	-	-	-	90	42	M8	2.7	
5690 15232150	-150E * 1	2	32	73	-	150	-	-	-	120	42	M8	3.5	
5690 17216090	HSK100A -CT16S -90E * 2	3	16	45	56	90	-	16	45	55	-	M10	2.7	HS-1-16
5690 17216105	-105E	3	16	45	56	105	-	31	45	70	-	M10	2.9	
5690 17220090	HSK100A -CT20S -90E * 6	3	20	52	64	90	-	16	45	55	-	M10	2.9	HS-2-20
5690 17220105	-105E * 4	3	20	52	64	105	-	18	58	70	-	M10	3.3	
5690 17220120	-120E	3	20	52	64	120	-	33	58	80	-	M10	3.5	
5690 17220135	-135E	3	20	52	64	135	-	48	58	80	-	M10	3.7	
5690 17220150	-150E	3	20	52	64	150	-	63	58	80	-	M10	4.1	
5690 17225090	HSK100A -CT25S -90E * 6	1	25	61	-	90	61	-	-	55	-	M10	3.1	
5690 17225105	-105E * 5	3	25	61	74	105	-	20	56	70	-	M10	3.5	HS-2.5-25
5690 17225120	-120E	3	25	61	74	120	-	35	56	80	-	M10	3.9	
5690 17225135	-135E	3	25	61	74	135	-	50	56	80	-	M10	4.3	
5690 17225150	-150E	3	25	61	73	150	-	65	56	80	-	M10	4.7	
5690 17232090	HSK100A -CT32S -90E * 6	1	32	73	-	90	61	-	-	55	-	M10	3.6	HS-3-32
5690 17232105	-105E * 2	1	32	73	-	105	76	-	-	70	-	M10	4.0	
5690 17232120	-120E * 3	1	32	73	-	120	91	-	-	85	-	M10	4.4	
5690 17232135	-135E * 1	1	32	73	-	135	106	-	-	100	-	M10	4.8	
5690 17232150	-150E * 1	1	32	73	-	150	121	-	-	115	-	M10	5.2	
5690 17242105	HSK100A -CT42S -105E * 6	2	42	88	-	105	-	-	-	70	45	M10	4.7	HS-4-42
5690 17242120	-120E * 2	2	42	88	-	120	-	-	-	85	45	M10	5.2	
5690 17242135	-135E * 2	2	42	88	-	135	-	-	-	100	45	M10	5.8	
5690 17242150	-150E * 2	2	42	88	-	150	-	-	-	110	45	M10	6.4	
5690 17242165	-165E * 1	2	42	88	-	165	-	-	-	120	45	M10	7.0	





- When ordering, indicate number of spanners required.
"No charge" spanners are limited to number of milling chucks on order.
- Tolerance of cutting tool shank must be h7.

Ordering Example

HSK40A - CT 16 S - 75 E
 Shank size I.D. (d) Projection length (L)

Accessories

Models with * 1 - * 6 cannot be used with some accessories due to short ℓ length.

	Stopper Bolt 	Straight Collet 		Morse Taper Adapter 		Jacobs Adapter 	
	BL (P.295)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	Yes	Yes	No	Yes	Yes	Yes	Yes
* 2	Yes	Yes	No	No	No	No	No
* 3	Yes	Yes	No	No	Yes	No	Yes
* 4	Yes	Yes	Yes	Yes	No	Yes	No
* 5	Yes	Yes	Yes	No	No	Yes	No
* 6	Yes	No	No	No	No	No	No

Spanner

P. 069



Min. chucking length

Without MC collet

I.D. of Milling Chuck	Min. chucking length
16, 20	40
25, 32, 42	50

With MC collet

Collet I.D.	Min. chucking length	
	MC	MC-C, MC-OH
6, 8	30	30
10, 12	40	40
16, 20	45	45
25	50	50
32	50	60

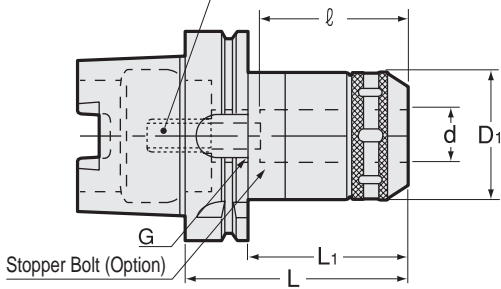
CT·A

Tite-Lock Milling Chuck

- Slim design milling chuck. Clicking sound tells completion of clamping.

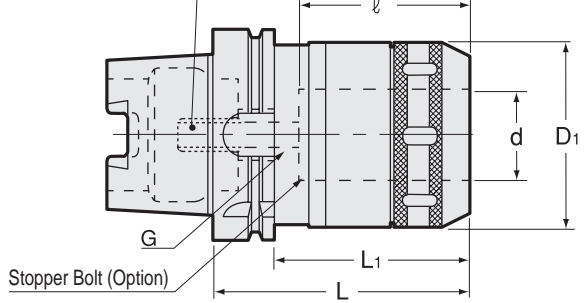
Type1

Coolant tube



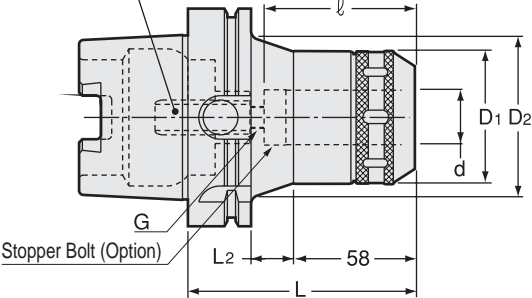
Type2

Coolant tube



Type3

Coolant tube



Caution

Please rotate the clamping ring counterclockwise more than 360 degrees after a cutting tool is removed.





- Coolant tube is included.

Metric Sizes													Unit : Metric	
Code	Model	Type	d	L	L1	L2	D1	D2	G	ℓ	kg	Spanner		
5320 13016090	HSK40A -CT16A -90 * 1	2	16	90	70	-	45	-	M5	60	0.8	HS-1-16		
5320 13020105	HSK40A -CT20A -105 * 2	2	20	105	85	-	52	-	M5	60	1.2	HS-2-20		
5320 13025105	HSK40A -CT25A -105 * 2	2	25	105	85	-	61	-	M5	60	1.5	HS-2.5-25		
5320 14016090	HSK50A -CT16A -90 * 1	2	16	90	64	-	45	-	M5	60	1.0	HS-1-16		
5320 14020105	HSK50A -CT20A -105 * 2	2	20	105	79	-	52	-	M5	60	1.4	HS-2-20		
5320 14025105	HSK50A -CT25A -105 * 2	2	25	105	79	-	61	-	M5	60	1.6	HS-2.5-25		
5320 15020105	HSK63A -CT20A -105 * 1	1	20	105	79	-	52	-	M8	75	1.7	HS-2-20		
5320 15020135	-135 * 1	1	20	135	109	-	52	-	M8	80	2.1	HS-2-20		
5320 15025105	HSK63A -CT25A -105 * 1	2	25	105	79	-	61	-	M8	75	1.9	HS-2.5-25		
5320 15025135	-135 * 1	2	25	135	109	-	61	-	M8	80	2.4	HS-2.5-25		
5320 15032120	HSK63A -CT32A -120 * 3	2	32	120	94	-	73	-	M8	90	2.5	HS-3-32		
5320 15032150	-150 * 1	2	32	150	124	-	73	-	M8	120	3.1	HS-3-32		
5320 17020105	HSK100A -CT20A -105 * 4	3	20	105	76	18	52	73	M10	70	3.2	HS-2-20		
5320 17020135	-135	3	20	135	106	48	52	78	M10	80	3.9	HS-2-20		
5320 17020150	-150	3	20	150	121	63	52	74	M10	80	4.2	HS-2-20		
5320 17025105	HSK100A -CT25A -105 * 5	3	25	105	76	18	61	71	M10	70	3.6	HS-2.5-25		
5320 17025135	-135	3	25	135	106	48	61	73	M10	80	4.2	HS-2.5-25		
5320 17025150	-150	3	25	150	121	63	61	73	M10	80	4.6	HS-2.5-25		
5320 17032105	HSK100A -CT32A -105 * 2	1	32	105	76	-	73	-	M10	70	3.9	HS-3-32		
5320 17032135	-135 * 1	1	32	135	106	-	73	-	M10	100	4.6	HS-3-32		
5320 17032150	-150 * 1	1	32	150	121	-	73	-	M10	115	5.0	HS-3-32		
5320 17042135	HSK100A -CT42A -135 * 2	2	42	135	106	-	88	-	M10	100	5.6	HS-4-42		
5320 17042150	-150 * 2	2	42	150	121	-	88	-	M10	110	6.5	HS-4-42		
5320 17042165	-165 * 1	2	42	165	136	-	88	-	M10	120	7.0	HS-4-42		

1. When ordering, indicate number of spanners required. "No charge" spanners are limited to number of milling chucks on order.
 2. Tolerance of cutting tool shank must be h7.

Accessories

Models with * 1 - * 5 cannot be used with some accessories due to short ℓ length.

	Stopper Bolt 	Straight Collet 		Morse Taper Adapter 		Jacobs Adapter 	
	BL (P.295)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	Yes	Yes	No	Yes	Yes	Yes	Yes
* 2	Yes	Yes	No	No	No	No	No
* 3	Yes	Yes	No	No	Yes	No	Yes
* 4	Yes	Yes	Yes	Yes	No	Yes	No
* 5	Yes	Yes	Yes	No	No	Yes	No

Min. chucking length

Without MC collet

I.D.of Milling Chuck	Min. chucking length
16	40
20, 25	45
32, 42	60

With MC collet

Collet I.D.	Min. chucking length
6, 8	30
10, 12	40
16, 20	45
25	55
32	60

Spanner

P. 069

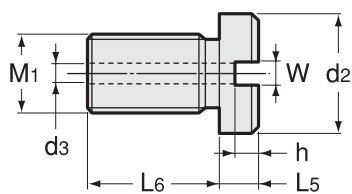


Ordering Example

HSK40A - CT 16 A - 90
 Shank size I.D. (d) Projection length (L)

Stopper Bolt (for HSK)

HSK-BL



Code	Model	M1	L5	L6	W	h	d2	d3	Shank size
5691 040040 ※※	HSK40 -BL -L5	M5 P=0.8	5、 15、 25	8.5	5	2.5	13	2.5	HSK40A,HSK50A
5691 04006305	HSK63 -BL -5	M8 P=1.25	5	5.5	5	3	15	4	HSK63A
5691 040063 ※※	HSK63 -BL -L5	M8 P=1.25	15、 25	7.5	5	3	15	4	HSK63A
5691 040100 ※※	HSK100 -BL -L5	M10 P=1.5	5、 15、 25	14	5	3.5	15	4.5	HSK100A

Choose right L5 dimension by checking minimum insertion length and shank I.D. depth.

Ordering Example

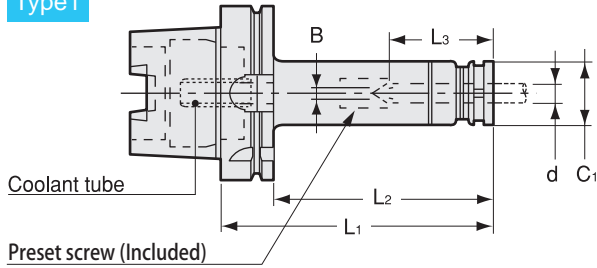
HSK63 - BL - 15
 Shank Size L5

HDC-A

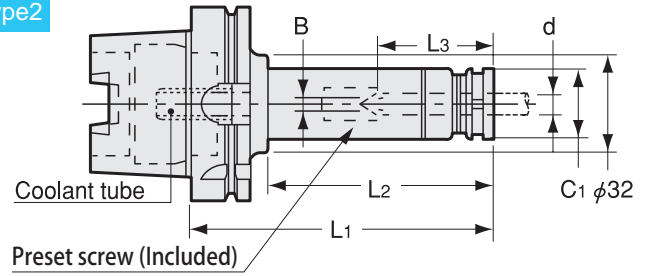
High-Precision Collet Holder

- Suitable for drilling, reaming and finish endmilling.

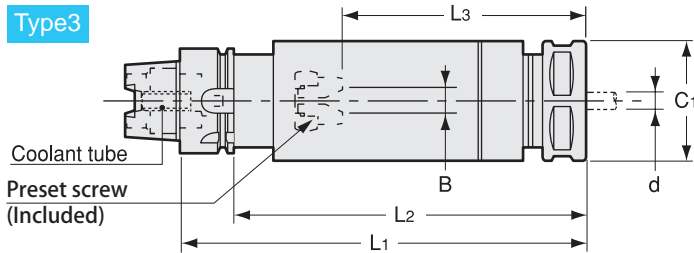
Type1



Type2



Type3





- Coolant tube is included.

Unit : Metric

Code	Model	Type	d	L1	L2	B	L3	C1	Nut	kg	Collet	Spanner
5360 13107060	HSK40A -HDC07A -60	1	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 27	23	HDP-07A	0.4	FDC-07	S-0
5360 13107075	-75	1	0.5 ~ 7.0	75	55	0 ~ 4	22 ~ 38	23	HDP-07A	0.4		
5360 13107090	-90	1	0.5 ~ 7.0	90	70	0 ~ 4	22 ~ 49	23	HDP-07A	0.4		
5360 13107120	-120	1	0.5 ~ 7.0	120	100	0 ~ 4	22 ~ 49	23	HDP-07A	0.5		
5360 13107150	-150	1	0.5 ~ 7.0	150	130	0 ~ 4	22 ~ 49	23	HDP-07A	0.6		
5360 13109060	HSK40A -HDC09A -60	1	2.5 ~ 9.0	60	40	—	40	26	HDP-09	0.4	FDC-09	S-1L
5360 13109075	-75	1	2.5 ~ 9.0	75	55	0 ~ 4	27 ~ 35	26	HDP-09	0.4		
5360 13109090	-90	1	2.5 ~ 9.0	90	70	0 ~ 4	27 ~ 46	26	HDP-09	0.5		
5360 13109120	-120	1	2.5 ~ 9.0	120	100	0 ~ 4	27 ~ 61	26	HDP-09	0.6		
5360 13109150	-150	1	2.5 ~ 9.0	150	130	0 ~ 4	27 ~ 61	26	HDP-09	0.7		
5360 13112075	HSK40A -HDC12A -75	1	2.5 ~ 12.0	75	55	0 ~ 5	33 ~ 34	32	HDP-12	0.5	FDC-12	S-3L
5360 13112090	-90	1	2.5 ~ 12.0	90	70	0 ~ 5	33 ~ 51	32	HDP-12	0.6		
5360 13112120	-120	1	2.5 ~ 12.0	120	100	0 ~ 5	33 ~ 74	32	HDP-12	0.7		
5360 13112150	-150	1	2.5 ~ 12.0	150	130	0 ~ 5	33 ~ 74	32	HDP-12	0.9		
5360 13116075	HSK40A -HDC16A -75	3	3.5 ~ 16.0	75	55	0 ~ 6	38 ~ 40	36	HDP-16	0.5	FDC-16	S-4L
5360 13116090	-90	3	3.5 ~ 16.0	90	70	0 ~ 6	38 ~ 54	36	HDP-16	0.6		
5360 13116120	-120	3	3.5 ~ 16.0	120	100	0 ~ 6	38 ~ 72	36	HDP-16	0.8		
5360 13116150	-150	3	3.5 ~ 16.0	150	130	0 ~ 6	38 ~ 86	36	HDP-16	1.0		
5360 13122090	HSK40A -HDC22A -90	3	3.5 ~ 22.0	90	70	—	65	46	HDP-22	0.7	FDC-22	S-5L
5360 13122120	-120	3	3.5 ~ 22.0	120	100	0 ~ 8	47 ~ 73	46	HDP-22	1.0		
5360 13122150	-150	3	3.5 ~ 22.0	150	130	0 ~ 8	47 ~ 103	46	HDP-22	1.4		
5360 14107075	HSK50A -HDC07A -75	1	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 32	23	HDP-07A	0.6	FDC-07	S-0
5360 14107090	-90	1	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	23	HDP-07A	0.6		
5360 14107120	-120	1	0.5 ~ 7.0	120	94	0 ~ 4	22 ~ 45	23	HDP-07A	0.7		
5360 14109075	HSK50A -HDC09A -75	1	2.5 ~ 9.0	75	49	0 ~ 4	27 ~ 31	26	HDP-09	0.6	FDC-09	S-1L
5360 14109090	-90	1	2.5 ~ 9.0	90	64	0 ~ 4	27 ~ 47	26	HDP-09	0.6		
5360 14109120	-120	1	2.5 ~ 9.0	120	94	0 ~ 4	27 ~ 61	26	HDP-09	0.8		
5360 14112090	HSK50A -HDC12A -90	1	2.5 ~ 12.0	90	64	0 ~ 5	33 ~ 42	32	HDP-12	0.7	FDC-12	S-3L
5360 14112120	-120	1	2.5 ~ 12.0	120	94	0 ~ 5	33 ~ 71	32	HDP-12	0.9		
5360 14112150	-150	1	2.5 ~ 12.0	150	124	0 ~ 5	33 ~ 74	32	HDP-12	1.1		
5360 14116090	HSK50A -HDC16A -90	1	3.5 ~ 16.0	90	64	0 ~ 6	38 ~ 50	36	HDP-16	0.8	FDC-16	S-4L
5360 14116120	-120	1	3.5 ~ 16.0	120	94	0 ~ 6	38 ~ 65	36	HDP-16	1.0		
5360 14116150	-150	1	3.5 ~ 16.0	150	124	0 ~ 6	38 ~ 86	36	HDP-16	1.2		
5360 14122090	HSK50A -HDC22A -90	3	3.5 ~ 22.0	90	64	—	60	46	HDP-22	0.9	FDC-22	S-5L
5360 14122120	-120	3	3.5 ~ 22.0	120	94	0 ~ 8	47 ~ 63	46	HDP-22	1.2		
5360 14122150	-150	3	3.5 ~ 22.0	150	124	0 ~ 8	47 ~ 93	46	HDP-22	1.5		

Code	Model	Type	d	L1	L2	B	L3	C1	Nut	kg	Collet	Spanner
5360 15107075	HSK63A -HDC07A -75	1	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 35	23	HDP-07A	0.8	FDC-07	S-0
5360 15107090	-90	1	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	23	HDP-07A	0.9		
5360 15107120	-120	1	0.5 ~ 7.0	120	94	0 ~ 4	22 ~ 45	23	HDP-07A	1.0		
5360 15107150	-150	1	0.5 ~ 7.0	150	124	0 ~ 4	22 ~ 45	23	HDP-07A	1.0		
5360 15107180	-180	1	0.5 ~ 7.0	180	154	0 ~ 4	22 ~ 45	23	HDP-07A	1.1		
5360 15109075	HSK63A -HDC09A -75	1	2.5 ~ 9.0	75	49	0 ~ 4	27 ~ 34	26	HDP-09	0.9	FDC-09	S-1L
5360 15109090	-90	1	2.5 ~ 9.0	90	64	0 ~ 4	27 ~ 42	26	HDP-09	0.9		
5360 15109120	-120	1	2.5 ~ 9.0	120	94	0 ~ 4	27 ~ 57	26	HDP-09	1.0		
5360 15109150	-150	1	2.5 ~ 9.0	150	124	0 ~ 4	27 ~ 57	26	HDP-09	1.1		
5360 15109180	-180	1	2.5 ~ 9.0	180	154	0 ~ 4	27 ~ 57	26	HDP-09	1.2		
5360 15112075	HSK63A -HDC12A -75	1	2.5 ~ 12.0	75	49	—	48	32	HDP-12	1.0	FDC-12	S-3L
5360 15112090	-90	1	2.5 ~ 12.0	90	64	0 ~ 5	33 ~ 48	32	HDP-12	1.1		
5360 15112120	-120	1	2.5 ~ 12.0	120	94	0 ~ 5	33 ~ 69	32	HDP-12	1.3		
5360 15112150	-150	1	2.5 ~ 12.0	150	124	0 ~ 5	33 ~ 69	32	HDP-12	1.4		
5360 15112180	-180	1	2.5 ~ 12.0	180	154	0 ~ 5	33 ~ 69	32	HDP-12	1.6		
5360 15112210	-210	1	2.5 ~ 12.0	210	184	0 ~ 5	33 ~ 69	32	HDP-12	1.8		
5360 15116075	HSK63A -HDC16A -75	1	3.5 ~ 16.0	75	49	—	48	36	HDP-16	1.0	FDC-16	S-4L
5360 15116090	-90	1	3.5 ~ 16.0	90	64	0 ~ 6	38 ~ 48	36	HDP-16	1.1		
5360 15116120	-120	1	3.5 ~ 16.0	120	94	0 ~ 6	38 ~ 62	36	HDP-16	1.3		
5360 15116150	-150	1	3.5 ~ 16.0	150	124	0 ~ 6	38 ~ 82	36	HDP-16	1.4		
5360 15116180	-180	1	3.5 ~ 16.0	180	154	0 ~ 6	38 ~ 82	36	HDP-16	1.6		
5360 15116210	-210	1	3.5 ~ 16.0	210	184	0 ~ 6	38 ~ 82	36	HDP-16	1.8		
5360 15122090	HSK63A -HDC22A -90	1	3.5 ~ 22.0	90	64	—	63	46	HDP-22	1.2	FDC-22	S-5L
5360 15122120	-120	1	3.5 ~ 22.0	120	94	0 ~ 8	47 ~ 63	46	HDP-22	1.5		
5360 15122150	-150	1	3.5 ~ 22.0	150	124	0 ~ 8	47 ~ 93	46	HDP-22	1.8		
5360 15122180	-180	1	3.5 ~ 22.0	180	154	0 ~ 8	47 ~ 103	46	HDP-22	2.2		
5360 15122210	-210	1	3.5 ~ 22.0	210	184	0 ~ 8	47 ~ 103	46	HDP-22	2.5		
5360 17107075	HSK100A -HDC07A -75	2	0.5 ~ 7.0	75	36	0 ~ 4	22 ~ 27	23	HDP-07A	2.2	FDC-07	S-0
5360 17107090	-90	2	0.5 ~ 7.0	90	51	0 ~ 4	22 ~ 45	23	HDP-07A	2.4		
5360 17107120	-120	2	0.5 ~ 7.0	120	81	0 ~ 4	22 ~ 45	23	HDP-07A	2.4		
5360 17107150	-150	2	0.5 ~ 7.0	150	111	0 ~ 4	22 ~ 45	23	HDP-07A	2.4		
5360 17107180	-180	2	0.5 ~ 7.0	180	141	0 ~ 4	22 ~ 45	23	HDP-07A	2.5		
5360 17109075	HSK100A -HDC09A -75	2	2.5 ~ 9.0	75	36	0 ~ 4	27	26	HDP-09	2.3	FDC-09	S-1L
5360 17109090	-90	2	2.5 ~ 9.0	90	51	0 ~ 4	27 ~ 43	26	HDP-09	2.3		
5360 17109120	-120	2	2.5 ~ 9.0	120	81	0 ~ 4	27 ~ 57	26	HDP-09	2.4		
5360 17109150	-150	2	2.5 ~ 9.0	150	111	0 ~ 4	27 ~ 57	26	HDP-09	2.5		
5360 17109180	-180	2	2.5 ~ 9.0	180	141	0 ~ 4	27 ~ 57	26	HDP-09	2.6		
5360 17112090	HSK100A -HDC12A -90	1	2.5 ~ 12.0	90	61	0 ~ 5	33 ~ 41	32	HDP-12	2.4	FDC-12	S-3L
5360 17112120	-120	1	2.5 ~ 12.0	120	91	0 ~ 5	33 ~ 59	32	HDP-12	2.5		
5360 17112150	-150	1	2.5 ~ 12.0	150	121	0 ~ 5	33 ~ 69	32	HDP-12	2.7		
5360 17112180	-180	1	2.5 ~ 12.0	180	151	0 ~ 5	33 ~ 69	32	HDP-12	2.8		
5360 17112210	-210	1	2.5 ~ 12.0	210	181	0 ~ 5	33 ~ 69	32	HDP-12	3.0		
5360 17116090	HSK100A -HDC16A -90	1	3.5 ~ 16.0	90	61	0 ~ 6	38 ~ 41	36	HDP-16	2.4	FDC-16	S-4L
5360 17116120	-120	1	3.5 ~ 16.0	120	91	0 ~ 6	38 ~ 62	36	HDP-16	2.6		
5360 17116150	-150	1	3.5 ~ 16.0	150	121	0 ~ 6	38 ~ 82	36	HDP-16	2.8		
5360 17116180	-180	1	3.5 ~ 16.0	180	151	0 ~ 6	38 ~ 82	36	HDP-16	3.0		
5360 17116210	-210	1	3.5 ~ 16.0	210	181	0 ~ 6	38 ~ 82	36	HDP-16	3.2		
5360 17122090	HSK100A -HDC22A -90	1	3.5 ~ 22.0	90	61	—	56	46	HDP-22	2.6	FDC-22	S-5L
5360 17122120	-120	1	3.5 ~ 22.0	120	91	0 ~ 8	47 ~ 59	46	HDP-22	2.9		
5360 17122150	-150	1	3.5 ~ 22.0	150	121	0 ~ 8	47 ~ 83	46	HDP-22	3.2		
5360 17122180	-180	1	3.5 ~ 22.0	180	151	0 ~ 8	47 ~ 103	46	HDP-22	3.5		
5360 17122210	-210	1	3.5 ~ 22.0	210	181	0 ~ 8	47 ~ 103	46	HDP-22	3.8		

1. Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing are sold separately. Standard preset screw is included.
2. Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
3. L3 indicates dimension when using with a preset screw.
4. See P.499 for standard Tightening Torque.

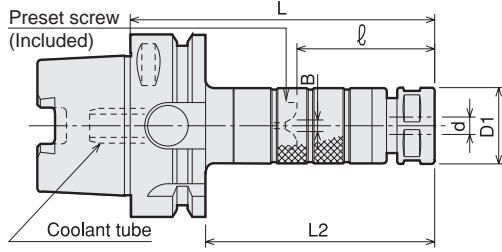
Collet P. 086 - 089	Spanner P. 095	Preset screw P. 094	Ordering Example HSK63A - HDC 09 A - 90 Shank size Max. collet I.D. Projection length (L)
			

SDM

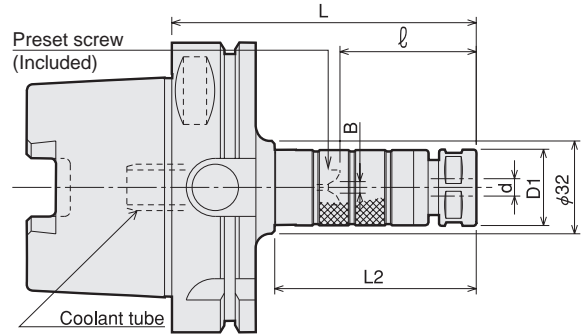
Drill Holder With Easy Tool Length Adjustment

● Projection length of the cutting tool can be adjusted by simply turning circumference of the holder.

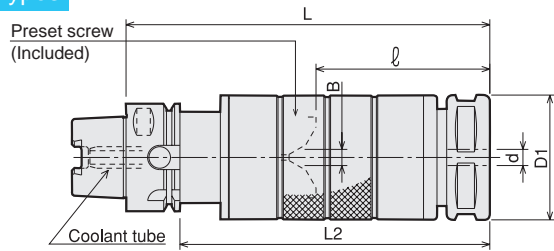
Type1



Type2



Type3





● Coolant tube is included.

Unit : Metric

Code	Model	Type	d	L	l	L2	B	D1	Nut	Collet	Spanner
5710 13007075	HSK40A -SDM07 -75	1	0.5 ~ 7.0	75	29 ~ 39	55	0 ~ 4	23	HDP-07A	FDC-07	S-0
5710 13007090	-90	1	0.5 ~ 7.0	90	29 ~ 54	70	0 ~ 4	23	HDP-07A		
5710 13007105	-105	1	0.5 ~ 7.0	105	29 ~ 54	85	0 ~ 4	23	HDP-07A		
5710 13007120	-120	1	0.5 ~ 7.0	120	29 ~ 54	100	0 ~ 4	23	HDP-07A		
5710 13009075	HSK40A -SDM09 -75	1	2.5 ~ 9.0	75	28 ~ 38	55	0 ~ 4	26	HDP-09	FDC-09	S-1L
5710 13009090	-90	1	2.5 ~ 9.0	90	28 ~ 53	70	0 ~ 4	26	HDP-09		
5710 13009105	-105	1	2.5 ~ 9.0	105	28 ~ 53	85	0 ~ 4	26	HDP-09		
5710 13009120	-120	1	2.5 ~ 9.0	120	28 ~ 53	100	0 ~ 4	26	HDP-09		
5710 13012090	HSK40A -SDM12 -90	1	2.5 ~ 12.0	90	34 ~ 44	70	0 ~ 5	32	HDP-12	FDC-12	S-3L
5710 13012105	-105	1	2.5 ~ 12.0	105	34 ~ 59	85	0 ~ 5	32	HDP-12		
5710 13012120	-120	1	2.5 ~ 12.0	120	34 ~ 59	100	0 ~ 5	32	HDP-12		
5710 13012135	-135	1	2.5 ~ 12.0	135	34 ~ 59	115	0 ~ 5	32	HDP-12		
5710 13012150	-150	1	2.5 ~ 12.0	150	34 ~ 59	130	0 ~ 5	32	HDP-12		
5710 13016120	HSK40A -SDM16 -120	3	3.5 ~ 16.0	120	40 ~ 50	100	0 ~ 6	36	HDP-16	FDC-16	S-4L
5710 13016135	-135	3	3.5 ~ 16.0	135	40 ~ 65	115	0 ~ 6	36	HDP-16		
5710 13016150	-150	3	3.5 ~ 16.0	150	40 ~ 65	130	0 ~ 6	36	HDP-16		
5710 13022120	HSK40A -SDM22 -120	3	3.5 ~ 22.0	120	48 ~ 58	100	0 ~ 8	46	HDP-22	FDC-22	S-5L
5710 13022135	-135	3	3.5 ~ 22.0	135	48 ~ 73	115	0 ~ 8	46	HDP-22		
5710 13022150	-150	3	3.5 ~ 22.0	150	48 ~ 73	130	0 ~ 8	46	HDP-22		
5710 14007090	HSK50A -SDM07 -90	1	0.5 ~ 7.0	90	29 ~ 39	64	0 ~ 4	23	HDP-07A	FDC-07	S-0
5710 14007105	-105	1	0.5 ~ 7.0	105	29 ~ 54	79	0 ~ 4	23	HDP-07A		
5710 14007120	-120	1	0.5 ~ 7.0	120	29 ~ 54	94	0 ~ 4	23	HDP-07A		
5710 14009090	HSK50A -SDM09 -90	1	2.5 ~ 9.0	90	28 ~ 38	64	0 ~ 4	26	HDP-09	FDC-09	S-1L
5710 14009105	-105	1	2.5 ~ 9.0	105	28 ~ 53	79	0 ~ 4	26	HDP-09		
5710 14009120	-120	1	2.5 ~ 9.0	120	28 ~ 53	94	0 ~ 4	26	HDP-09		
5710 14012090	HSK50A -SDM12 -90	1	2.5 ~ 12.0	90	34 ~ 44	64	0 ~ 5	32	HDP-12	FDC-12	S-3L
5710 14012105	-105	1	2.5 ~ 12.0	105	34 ~ 59	79	0 ~ 5	32	HDP-12		
5710 14012120	-120	1	2.5 ~ 12.0	120	34 ~ 59	94	0 ~ 5	32	HDP-12		
5710 14012135	-135	1	2.5 ~ 12.0	135	34 ~ 59	109	0 ~ 5	32	HDP-12		
5710 14012150	-150	1	2.5 ~ 12.0	150	34 ~ 59	124	0 ~ 5	32	HDP-12		
5710 14016105	HSK50A -SDM16 -105	1	3.5 ~ 16.0	105	40 ~ 50	79	0 ~ 6	36	HDP-16	FDC-16	S-4L
5710 14016120	-120	1	3.5 ~ 16.0	120	40 ~ 65	94	0 ~ 6	36	HDP-16		
5710 14016135	-135	1	3.5 ~ 16.0	135	40 ~ 65	109	0 ~ 6	36	HDP-16		
5710 14016150	-150	1	3.5 ~ 16.0	150	40 ~ 65	124	0 ~ 6	36	HDP-16		
5710 14022135	HSK50A -SDM22 -135	3	3.5 ~ 22.0	135	48 ~ 58	109	0 ~ 8	46	HDP-22	FDC-22	S-5L
5710 14022150	-150	3	3.5 ~ 22.0	150	48 ~ 73	124	0 ~ 8	46	HDP-22		

Code	Model	Type	d	L	ℓ	L2	B	D1	Nut	Collet	Spanner
5710 15007090	HSK63A -SDM07-90	1	0.5 ~ 7.0	90	29 ~ 39	64	0 ~ 4	23	HDP-07A	FDC-07	S-0
5710 15007105	-105	1	0.5 ~ 7.0	105	29 ~ 54	79	0 ~ 4	23	HDP-07A		
5710 15007120	-120	1	0.5 ~ 7.0	120	29 ~ 54	94	0 ~ 4	23	HDP-07A		
5710 15007135	-135	1	0.5 ~ 7.0	135	29 ~ 54	109	0 ~ 4	23	HDP-07A		
5710 15007150	-150	1	0.5 ~ 7.0	150	29 ~ 54	124	0 ~ 4	23	HDP-07A		
5710 15009090	HSK63A -SDM09-90	1	2.5 ~ 9.0	90	28 ~ 38	64	0 ~ 4	26	HDP-09	FDC-09	S-1L
5710 15009105	-105	1	2.5 ~ 9.0	105	28 ~ 53	79	0 ~ 4	26	HDP-09		
5710 15009120	-120	1	2.5 ~ 9.0	120	28 ~ 53	94	0 ~ 4	26	HDP-09		
5710 15009135	-135	1	2.5 ~ 9.0	135	28 ~ 53	109	0 ~ 4	26	HDP-09		
5710 15009150	-150	1	2.5 ~ 9.0	150	28 ~ 53	124	0 ~ 4	26	HDP-09		
5710 15009180	-180	1	2.5 ~ 9.0	180	28 ~ 53	154	0 ~ 4	26	HDP-09		
5710 15012090	HSK63A -SDM12-90	1	2.5 ~ 12.0	90	34 ~ 44	64	0 ~ 5	32	HDP-12	FDC-12	S-3L
5710 15012105	-105	1	2.5 ~ 12.0	105	34 ~ 59	79	0 ~ 5	32	HDP-12		
5710 15012120	-120	1	2.5 ~ 12.0	120	34 ~ 59	94	0 ~ 5	32	HDP-12		
5710 15012135	-135	1	2.5 ~ 12.0	135	34 ~ 59	109	0 ~ 5	32	HDP-12		
5710 15012150	-150	1	2.5 ~ 12.0	150	34 ~ 59	124	0 ~ 5	32	HDP-12		
5710 15012180	-180	1	2.5 ~ 12.0	180	34 ~ 59	154	0 ~ 5	32	HDP-12		
5710 15016105	HSK63A -SDM16-105	1	3.5 ~ 16.0	105	40 ~ 50	79	0 ~ 6	36	HDP-16	FDC-16	S-4L
5710 15016120	-120	1	3.5 ~ 16.0	120	40 ~ 65	94	0 ~ 6	36	HDP-16		
5710 15016135	-135	1	3.5 ~ 16.0	135	40 ~ 65	109	0 ~ 6	36	HDP-16		
5710 15016150	-150	1	3.5 ~ 16.0	150	40 ~ 65	124	0 ~ 6	36	HDP-16		
5710 15016180	-180	1	3.5 ~ 16.0	180	40 ~ 65	154	0 ~ 6	36	HDP-16		
5710 15022120	HSK63A -SDM22-120	1	3.5 ~ 22.0	120	48 ~ 58	94	0 ~ 8	46	HDP-22	FDC-22	S-5L
5710 15022135	-135	1	3.5 ~ 22.0	135	48 ~ 73	109	0 ~ 8	46	HDP-22		
5710 15022150	-150	1	3.5 ~ 22.0	150	48 ~ 73	124	0 ~ 8	46	HDP-22		
5710 15022180	-180	1	3.5 ~ 22.0	180	48 ~ 73	154	0 ~ 8	46	HDP-22		
5710 17007090	HSK100A -SDM07-90	2	0.5 ~ 7.0	90	29 ~ 39	55	0 ~ 4	23	HDP-07A		
5710 17007105	-105	2	0.5 ~ 7.0	105	29 ~ 54	70	0 ~ 4	23	HDP-07A		
5710 17007120	-120	2	0.5 ~ 7.0	120	29 ~ 54	81	0 ~ 4	23	HDP-07A		
5710 17007135	-135	2	0.5 ~ 7.0	135	29 ~ 54	96	0 ~ 4	23	HDP-07A		
5710 17007150	-150	2	0.5 ~ 7.0	150	29 ~ 54	111	0 ~ 4	23	HDP-07A		
5710 17007165	-165	2	0.5 ~ 7.0	165	29 ~ 54	126	0 ~ 4	23	HDP-07A		
5710 17009090	HSK100A -SDM09-90	2	2.5 ~ 9.0	90	28 ~ 38	55	0 ~ 4	26	HDP-09	FDC-09	S-1L
5710 17009105	-105	2	2.5 ~ 9.0	105	28 ~ 53	70	0 ~ 4	26	HDP-09		
5710 17009120	-120	2	2.5 ~ 9.0	120	28 ~ 53	81	0 ~ 4	26	HDP-09		
5710 17009135	-135	2	2.5 ~ 9.0	135	28 ~ 53	96	0 ~ 4	26	HDP-09		
5710 17009150	-150	2	2.5 ~ 9.0	150	28 ~ 53	111	0 ~ 4	26	HDP-09		
5710 17009180	-180	2	2.5 ~ 9.0	180	28 ~ 53	141	0 ~ 4	26	HDP-09		
5710 17012105	HSK100A -SDM12-105	1	2.5 ~ 12.0	105	34 ~ 44	76	0 ~ 5	32	HDP-12	FDC-12	S-3L
5710 17012120	-120	1	2.5 ~ 12.0	120	34 ~ 59	91	0 ~ 5	32	HDP-12		
5710 17012135	-135	1	2.5 ~ 12.0	135	34 ~ 59	106	0 ~ 5	32	HDP-12		
5710 17012150	-150	1	2.5 ~ 12.0	150	34 ~ 59	121	0 ~ 5	32	HDP-12		
5710 17012180	-180	1	2.5 ~ 12.0	180	34 ~ 59	151	0 ~ 5	32	HDP-12		
5710 17016105	HSK100A -SDM16-105	1	3.5 ~ 16.0	105	40 ~ 50	76	0 ~ 6	36	HDP-16	FDC-16	S-4L
5710 17016120	-120	1	3.5 ~ 16.0	120	40 ~ 65	91	0 ~ 6	36	HDP-16		
5710 17016135	-135	1	3.5 ~ 16.0	135	40 ~ 65	106	0 ~ 6	36	HDP-16		
5710 17016150	-150	1	3.5 ~ 16.0	150	40 ~ 65	121	0 ~ 6	36	HDP-16		
5710 17016180	-180	1	3.5 ~ 16.0	180	40 ~ 65	151	0 ~ 6	36	HDP-16		
5710 17022120	HSK100A -SDM22-120	1	3.5 ~ 22.0	120	48 ~ 58	91	0 ~ 8	46	HDP-22	FDC-22	S-5L
5710 17022135	-135	1	3.5 ~ 22.0	135	48 ~ 73	106	0 ~ 8	46	HDP-22		
5710 17022150	-150	1	3.5 ~ 22.0	150	48 ~ 73	121	0 ~ 8	46	HDP-22		
5710 17022180	-180	1	3.5 ~ 22.0	180	48 ~ 73	151	0 ~ 8	46	HDP-22		
5710 17022210	-210	1	3.5 ~ 22.0	210	48 ~ 73	181	0 ~ 8	46	HDP-22		

1. Collet and spanner are sold separately.
2. ℓ is the dimension between the cap end and the preset screw top end.
3. See P.499 for standard Tightening Torque.

Collet	Spanner
P. 086 - 089	P. 095
	

Ordering Example

HSK50A - SDM 12 - 90
 Shank size Max. collet I.D. Projection length (L)

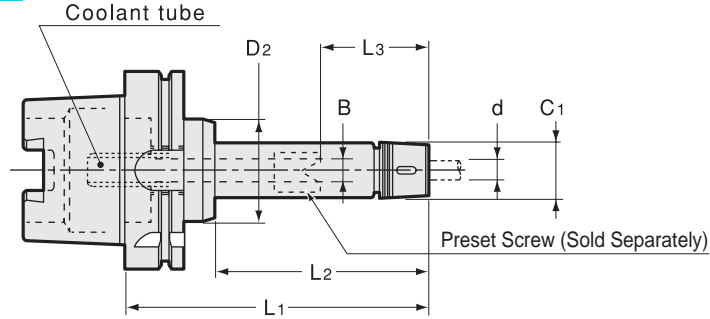
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R" Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions

GDC·A

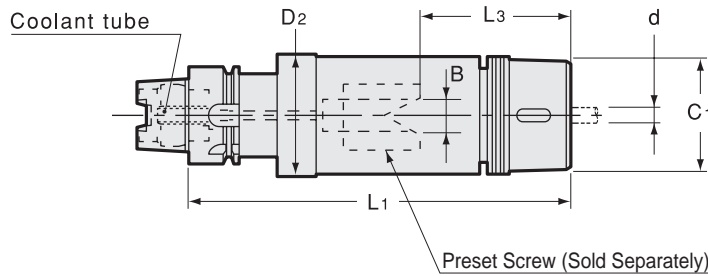
High-Precision Collet Holder (High-Balanced Type)

- Suitable for high speed rotation drilling, reaming, and finish endmilling.

Type1



Type2



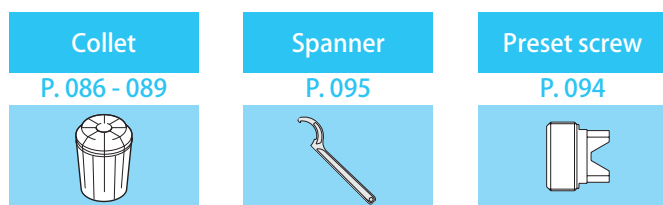
- Coolant tube is included.

Unit : Metric

Code	Model	Type	d	L1	L2	B	L3	D2	C1	Nut	kg	Collet	Spanner
5380 13007075	HSK40A -GDC07A -75	1	0.5 ~ 7.0	75	40	0 ~ 4	22 ~ 29	34	23	HDP-07A	0.4	FDC-07AA	S-0
5380 13007090	-90	1	0.5 ~ 7.0	90	55	0 ~ 4	22 ~ 44	34	23	HDP-07A			
5380 13007120	-120	1	0.5 ~ 7.0	120	85	0 ~ 4	22 ~ 45	34	23	HDP-07A			
5380 13009075	HSK40A -GDC09A -75	1	2.5 ~ 9.0	75	40	0 ~ 4	27	34	29	GDP-09	0.5	FDC-09AA	FK-0025
5380 13009090	-90	1	2.5 ~ 9.0	90	55	0 ~ 4	27 ~ 40	34	29	GDP-09			
5380 13009120	-120	1	2.5 ~ 9.0	120	85	0 ~ 4	27 ~ 57	34	29	GDP-09			
5380 13012090	HSK40A -GDC12A -90	2	2.5 ~ 12.0	90	—	—	41	39	34	GDP-12	0.6	FDC-12AA	FK-0034
5380 13012120	-120	2	2.5 ~ 12.0	120	—	0 ~ 5	33 ~ 51	39	34	GDP-12	0.8		
5380 13012150	-150	2	2.5 ~ 12.0	150	—	0 ~ 5	33 ~ 78	39	34	GDP-12			
5380 13016090	HSK40A -GDC16A -90	2	3.5 ~ 16.0	90	—	—	40	42	38	GDP-16	0.7	FDC-16AA	FK-0034
5380 13016120	-120	2	3.5 ~ 16.0	120	—	0 ~ 6	38 ~ 46	42	38	GDP-16			
5380 13016150	-150	2	3.5 ~ 16.0	150	—	0 ~ 6	38 ~ 74	42	38	GDP-16	1.1		
5380 13022120	HSK40A -GDC22A -120	2	3.5 ~ 22.0	120	—	—	68	49	49	GDP-22		FDC-22AA	FK-0045
5380 13022150	-150	2	3.5 ~ 22.0	150	—	0 ~ 8	47 ~ 75	49	49	GDP-22			
5380 14007075	HSK50A -GDC07A -75	1	0.5 ~ 7.0	75	34	0 ~ 4	22 ~ 24	42	23	HDP-07A		FDC-07AA	S-0
5380 14007090	-90	1	0.5 ~ 7.0	90	49	0 ~ 4	22 ~ 39	42	23	HDP-07A			
5380 14007120	-120	1	0.5 ~ 7.0	120	79	0 ~ 4	22 ~ 45	42	23	HDP-07A	0.8		
5380 14009075	HSK50A -GDC09A -75	1	2.5 ~ 9.0	75	34	0 ~ 4	27 ~ 35	42	29	GDP-09	0.7	FDC-09AA	FK-0025
5380 14009090	-90	1	2.5 ~ 9.0	90	49	0 ~ 4	27 ~ 39	42	29	GDP-09	0.7		
5380 14009120	-120	1	2.5 ~ 9.0	120	79	0 ~ 4	27 ~ 57	42	29	GDP-09	0.9		
5380 14012090	HSK50A -GDC12A -90	1	2.5 ~ 12.0	90	49	—	52	42	34	GDP-12	0.8	FDC-12AA	FK-0034
5380 14012120	-120	1	2.5 ~ 12.0	120	79	0 ~ 5	33 ~ 60	42	34	GDP-12	1.0		
5380 14012150	-150	1	2.5 ~ 12.0	150	109	0 ~ 5	33 ~ 78	42	34	GDP-12	1.2		
5380 14016090	HSK50A -GDC16A -90	1	3.5 ~ 16.0	90	49	—	52	42	38	GDP-16	0.8	FDC-16AA	FK-0034
5380 14016120	-120	1	3.5 ~ 16.0	120	79	0 ~ 6	38 ~ 58	42	38	GDP-16	1.0		
5380 14016150	-150	1	3.5 ~ 16.0	150	109	0 ~ 6	38 ~ 86	42	38	GDP-16	1.2		
5380 14022120	HSK50A -GDC22A -120	2	3.5 ~ 22.0	120	—	—	62	49	49	GDP-22	1.3	FDC-22AA	FK-0045
5380 14022150	-150	2	3.5 ~ 22.0	150	—	0 ~ 8	47 ~ 70	49	49	GDP-22	1.6		

Code	Model	Type	d	L1	L2	B	L3	D2	C1	Nut	kg	Collet	Spanner
5380 15007075	HSK63A -GDC07A -75	1	0.5 ~ 7.0	75	34	0 ~ 4	22 ~ 35	52	23	HDP-07A	1.0	FDC-07AA	S-0
5380 15007090	-90	1	0.5 ~ 7.0	90	49	0 ~ 4	22 ~ 45	52	23	HDP-07A	1.0		
5380 15007120	-120	1	0.5 ~ 7.0	120	79	0 ~ 4	22 ~ 45	52	23	HDP-07A	1.1		
5380 15009075	HSK63A -GDC09A -75	1	2.5 ~ 9.0	75	34	0 ~ 4	27 ~ 34	52	29	GDP-09	1.0	FDC-09AA	FK-0025
5380 15009090	-90	1	2.5 ~ 9.0	90	49	0 ~ 4	27 ~ 42	52	29	GDP-09	1.1		
5380 15009120	-120	1	2.5 ~ 9.0	120	79	0 ~ 4	27 ~ 57	52	29	GDP-09	1.3		
5380 15012090	HSK63A -GDC12A -90	1	2.5 ~ 12.0	90	49	—	52	52	34	GDP-12	1.1	FDC-12AA	FK-0034
5380 15012120	-120	1	2.5 ~ 12.0	120	79	0 ~ 5	33 ~ 60	52	34	GDP-12	1.3		
5380 15012150	-150	1	2.5 ~ 12.0	150	109	0 ~ 5	33 ~ 78	52	34	GDP-12	1.5		
5380 15016090	HSK63A -GDC16A -90	1	3.5 ~ 16.0	90	49	—	60	52	38	GDP-16	1.2	FDC-16AA	FK-0034
5380 15016120	-120	1	3.5 ~ 16.0	120	79	0 ~ 6	38 ~ 59	52	38	GDP-16	1.4		
5380 15016150	-150	1	3.5 ~ 16.0	150	109	0 ~ 6	38 ~ 82	52	38	GDP-16	1.6		
5380 15022090	HSK63A -GDC22A -90	1	3.5 ~ 22.0	90	49	—	63	52	49	GDP-22	1.2	FDC-22AA	FK-0045
5380 15022120	-120	1	3.5 ~ 22.0	120	79	0 ~ 8	47 ~ 56	52	49	GDP-22	1.6		
5380 15022150	-150	1	3.5 ~ 22.0	150	109	0 ~ 8	47 ~ 86	52	49	GDP-22	1.8		
5380 17007075	HSK100A -GDC07A -75	1	0.5 ~ 7.0	75	31	0 ~ 4	22 ~ 27	84	23	HDP-07A	2.6	FDC-07AA	S-0
5380 17007090	-90	1	0.5 ~ 7.0	90	46	0 ~ 4	22 ~ 45	84	23	HDP-07A	2.7		
5380 17007120	-120	1	0.5 ~ 7.0	120	76	0 ~ 4	22 ~ 45	84	23	HDP-07A	2.9		
5380 17009075	HSK100A -GDC09A -75	1	2.5 ~ 9.0	75	31	0 ~ 4	27 ~ 28	84	29	GDP-09	2.6	FDC-09AA	FK-0025
5380 17009090	-90	1	2.5 ~ 9.0	90	46	0 ~ 4	27 ~ 43	84	29	GDP-09	2.8		
5380 17009120	-120	1	2.5 ~ 9.0	120	76	0 ~ 4	27 ~ 57	84	29	GDP-09	2.9		
5380 17012090	HSK100A -GDC12A -90	1	2.5 ~ 12.0	90	46	—	52	84	34	GDP-12	2.8	FDC-12AA	FK-0034
5380 17012120	-120	1	2.5 ~ 12.0	120	76	0 ~ 5	33 ~ 60	84	34	GDP-12	3.0		
5380 17012150	-150	1	2.5 ~ 12.0	150	106	0 ~ 5	33 ~ 78	84	34	GDP-12	3.2		
5380 17016090	HSK100A -GDC16A -90	1	3.5 ~ 16.0	90	46	0 ~ 6	38 ~ 41	84	38	GDP-16	2.9	FDC-16AA	FK-0034
5380 17016120	-120	1	3.5 ~ 16.0	120	76	0 ~ 6	38 ~ 62	84	38	GDP-16	3.1		
5380 17016150	-150	1	3.5 ~ 16.0	150	106	0 ~ 6	38 ~ 82	84	38	GDP-16	3.3		
5380 17022090	HSK100A -GDC22A -90	1	3.5 ~ 22.0	90	46	—	57	84	49	GDP-22	2.9	FDC-22AA	FK-0045
5380 17022120	-120	1	3.5 ~ 22.0	120	76	0 ~ 8	47 ~ 57	84	49	GDP-22	3.2		
5380 17022150	-150	1	3.5 ~ 22.0	150	106	0 ~ 8	47 ~ 83	84	49	GDP-22	3.5		

1. Collet, preset screw and spanner are sold separately.
2. Always use "AA" class collet.
3. Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
4. L3 indicates dimension when using with a preset screw.
5. See P.499 for standard Tightening Torque.



Ordering Example

HSK50A - GDC 07 A - 90

Shank size

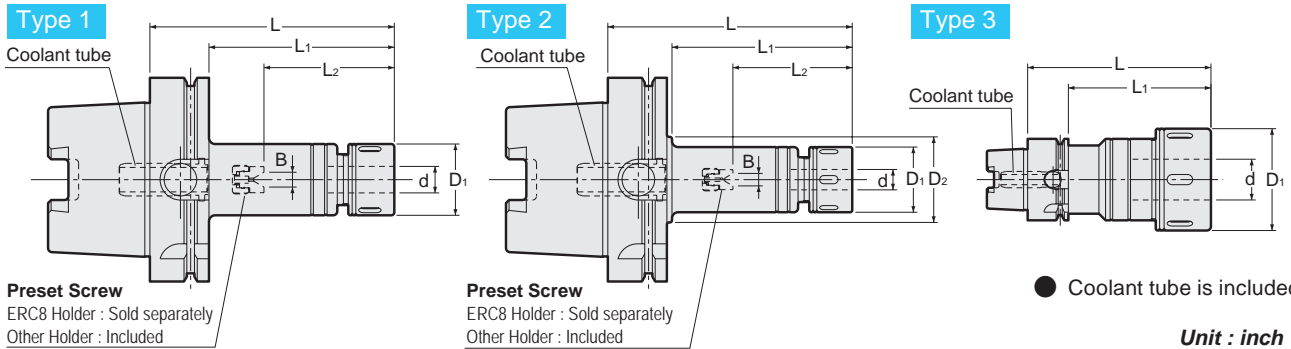
Max. collet I.D.

Projection length (L)

ERC

Collet Holder For Small Diameters


● For drilling in tight space.



Code	Model	Type	d	L	L1	B	L2	D1	D2	kg	Preset Screw	Nut	Collet	Spanner
5370 00308060	HSK40A -ERC8 -60	1	0.020 - 0.197	2.362	1.575	— (0-0.094)	1.299 (0.748-1.220)	0.472	—	0.2	—	ERP-8	ER8	S-8E
5370 00308075	-75	1	0.020 - 0.197	2.953	2.165	— (0-0.094)	1.299 (0.748-1.220)	0.472	—	0.2				
5370 00308090	-90	1	0.020 - 0.197	3.543	2.756	— (0-0.094)	1.299 (0.748-1.220)	0.472	—	0.3				
5370 00310060	HSK40A -ERC11S -60	1	0.020 - 0.276	2.362	1.575	—	1.417	0.630	—	0.2	HDC07A-ES11	ERP-11S	ER11	S-11E
5370 00310075	-75	1	0.020 - 0.276	2.953	2.165	0.0 - 0.157	0.866 - 1.378	0.630	—	0.3				
5370 00310090	-90	1	0.020 - 0.276	3.543	2.756	0.0 - 0.157	0.866 - 1.654	0.630	—	0.3				
5370 00311075	HSK40A -ERC11 -75	1	0.020 - 0.276	2.953	2.165	0.0 - 0.157	0.866 - 1.378	0.906	—	0.3	HDC07A-ES11	HDP-07A	ER11	S-0
5370 00311090	-90	1	0.020 - 0.276	3.543	2.756	0.0 - 0.157	0.866 - 1.811	0.906	—	—				
5370 00311120	-120	1	0.020 - 0.276	4.724	3.937	0.0 - 0.157	0.866 - 1.811	0.906	—	—				
5370 00316075	HSK40A -ERC16 -75	1	0.020 - 0.394	2.953	2.165	—	1.811	1.260	—	—	ES16	ERP-16	ER16	FK0030
5370 00316090	-90	1	0.020 - 0.394	3.543	2.756	0.0 - 0.197	1.299 - 1.772	1.260	—	—				
5370 00316120	-120	1	0.020 - 0.394	4.724	3.937	0.0 - 0.197	1.299 - 2.126	1.260	—	—				
5370 00320090	HSK40A -ERC20 -90	1	0.020 - 0.512	3.543	2.756	—	2.362	1.378	—	—	HDS12A-ES20	ERP-20	ER20	FK0034
5370 00320120	-120	1	0.020 - 0.512	4.724	3.937	0.0 - 0.236	1.496 - 2.638	1.378	—	—				
5370 00325090	HSK40A -ERC25 -90	1	0.020 - 0.630	3.543	2.756	—	2.323	1.654	—	—				
5370 00325120	-120	1	0.020 - 0.630	4.724	3.937	0.0 - 0.315	1.693 - 2.795	1.654	—	—	HDS16A-ES25	ERP-25	ER25	HS-1-16
5370 00332090	HSK40A -ERC32 -90	3	0.098 - 0.787	3.543	2.756	—	2.441	1.969	—	—				
5370 00508075	HSK63A -ERC8 -75	1	0.020 - 0.197	2.953	1.929	— (0-0.094)	1.299 (0.748-1.220)	0.472	—	0.7				
5370 00508105	-105	1	0.020 - 0.197	4.134	3.110	— (0-0.094)	1.299 (0.748-1.220)	0.472	—	0.7				
5370 00510075	HSK63A -ERC11S -75	1	0.020 - 0.276	2.953	1.929	0.0 - 0.157	0.866 - 1.260	0.630	—	0.7				
5370 00510105	-105	1	0.020 - 0.276	4.134	3.110	0.0 - 0.157	0.866 - 1.654	0.630	—	0.8	HDC07A-ES11	ERP-11S	ER11	S-11E
5370 00511075	HSK63A -ERC11 -75	1	0.020 - 0.276	2.953	1.929	0.0 - 0.157	0.866 - 1.260	0.906	—	—				
5370 00511090	-90	1	0.020 - 0.276	3.543	2.520	0.0 - 0.157	0.866 - 1.654	0.906	—	0.8				
5370 00511120	-120	1	0.020 - 0.276	4.724	3.701	0.0 - 0.157	0.866 - 1.654	0.906	—	—	HDC07A-ES11	HDP-07A	ER11	S-0
5370 00516075	HSK63A -ERC16 -75	1	0.020 - 0.394	2.953	1.929	—	1.811	1.260	—	0.9				
5370 00516090	-90	1	0.020 - 0.394	3.543	2.520	0.0 - 0.197	1.299 - 1.575	1.260	—	—				
5370 00516105	-105	1	0.020 - 0.394	4.134	3.110	0.0 - 0.197	1.299 - 2.126	1.260	—	1.1	ES16	ERP-16	ER16	FK0030
5370 00516120	-120	1	0.020 - 0.394	4.724	3.701	0.0 - 0.197	1.299 - 2.126	1.260	—	1.2				
5370 00516165	-165	1	0.020 - 0.394	6.496	5.472	0.0 - 0.197	1.299 - 2.126	1.260	—	—				

Code	Model	Type	d	L	L1	B	L2	D1	D2	kg	Preset Screw	Nut	Collet	Spanner
5370 00520090	HSK63A -ERC20 -90	1	0.020 - 0.512	3.543	2.520	—	2.165	1.378	—	—	—	ERP-20	ER20	FK0034
5370 00520120	-120	1	0.020 - 0.512	4.724	3.701	0.0 - 0.236	1.496 - 2.559	1.378	—	—	HDS12A-ES20			
5370 00520150	-150	1	0.020 - 0.512	5.906	4.882	0.0 - 0.236	1.496 - 2.638	1.378	—	—	HDS12A-ES20			
5370 00525075	HSK63A -ERC25 -75	1	0.020 - 0.630	2.953	1.929	—	1.732	1.654	—	—	—	ERP-25	ER25	HS-1-16
5370 00525090	-90	1	0.020 - 0.630	3.543	2.520	—	2.323	1.654	—	—	—			
5370 00525120	-120	1	0.020 - 0.630	4.724	3.701	0.0 - 0.315	1.693 - 2.598	1.654	—	1.4	HDS16A-ES25			
5370 00525150	-150	1	0.020 - 0.630	5.906	4.882	0.0 - 0.315	1.693 - 3.150	1.654	—	—	HDS16A-ES25			
5370 00532090	HSK63A -ERC32 -90	1	0.079 - 0.787	3.543	2.520	—	2.244	1.969	—	—	—	ERP-32	ER32	HS-2-20
5370 00532105	-105	1	0.079 - 0.787	4.134	3.110	—	2.638	1.969	—	1.5	—			
5370 00532120	-120	1	0.079 - 0.787	4.724	3.701	0.0 - 0.394	1.969 - 2.323	1.969	—	1.7	HDS22A-ES32			
5370 00532150	-150	1	0.079 - 0.787	5.906	4.882	0.0 - 0.394	1.969 - 3.504	1.969	—	—	HDS22A-ES32			
5370 00540120	HSK63A -ERC40 -120	1	0.118 - 1.024	4.724	3.701	—	3.150	2.480	—	—	—	ERP-40	ER40	HS-2.5-25
5370 00711075	HSK100A -ERC11 -75	2	0.020 - 0.276	2.953	1.417	—	1.496	0.906	1.260	—	—	HDP-07A	ER11	S-0
5370 00711090	-90	2	0.020 - 0.276	3.543	2.008	0.0 - 0.157	0.866 - 1.654	0.906	1.260	—	HDS07A-ES11			
5370 00711120	-120	2	0.020 - 0.276	4.724	3.189	0.0 - 0.157	0.866 - 1.654	0.906	1.260	—	HDS07A-ES11			
5370 00716075	HSK100A -ERC16 -75	2	0.020 - 0.394	2.953	1.693	—	1.654	1.260	1.654	—	—	ERP-16	ER16	FK0030
5370 00716090	-90	2	0.020 - 0.394	3.543	2.283	0.0 - 0.197	1.299 - 1.457	1.260	1.654	—	ES16			
5370 00716120	-120	2	0.020 - 0.394	4.724	3.465	0.0 - 0.197	1.299 - 2.126	1.260	1.654	—	ES16			
5370 00720090	HSK100A -ERC20 -90	1	0.020 - 0.512	3.543	2.402	—	2.087	1.378	—	—	—	ERP-20	ER20	FK0034
5370 00720120	-120	1	0.020 - 0.512	4.724	3.583	0.0 - 0.236	1.496 - 2.323	1.378	—	—	HDS12A-ES20			
5370 00720150	-150	1	0.020 - 0.512	5.906	4.764	0.0 - 0.236	1.496 - 2.638	1.378	—	—	HDS12A-ES20			
5370 00725090	HSK100A -ERC25 -90	1	0.020 - 0.630	3.543	2.402	—	2.087	1.654	—	—	—	ERP-25	ER25	HS-1-16
5370 00725120	-120	1	0.020 - 0.630	4.724	3.583	0.0 - 0.315	1.693 - 2.362	1.654	—	—	HDS16A-ES25			
5370 00725150	-150	1	0.020 - 0.630	5.906	4.764	0.0 - 0.315	1.693 - 3.150	1.654	—	—	HDS16A-ES25			
5370 00732090	HSK100A -ERC32 -90	1	0.098 - 0.787	3.543	2.402	—	2.008	1.969	—	—	—	ERP-32	ER32	HS-2-20
5370 00732105	-105	1	0.098 - 0.787	4.134	2.992	—	2.598	1.969	—	2.8	—			
5370 00732120	-120	1	0.098 - 0.787	4.724	3.583	0.0 - 0.394	1.969 - 2.126	1.969	—	—	HDS22A-ES32			
5370 00732150	-150	1	0.098 - 0.787	5.906	4.764	0.0 - 0.394	1.969 - 3.307	1.969	—	3.4	HDS22A-ES32			
5370 00740120	HSK100A -ERC40 -120	1	0.118 - 1.024	4.724	3.583	—	2.913	2.480	—	3.5	—	ERP-40	ER40	HS-2.5-25
5370 00750135	HSK100A -ERC50 -135	1	0.394 - 1.339	5.315	4.173	—	3.307	3.071	—	—	—	ERP-50	ER50	HS-4-42

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8, is sold separately. ERC11S includes a standard preset screw HDS-07A-ES11.
3. "B" and "L2" dimensions in brackets are for using ES8 preset screw.
4. Refer to P.092 for minimum tool insertion length in case of using our coolant collets.
5. See P.499 for standard Tightening Torque.

Collet P. 090-091 	Spanner P. 095 	Preset screw P. 094 
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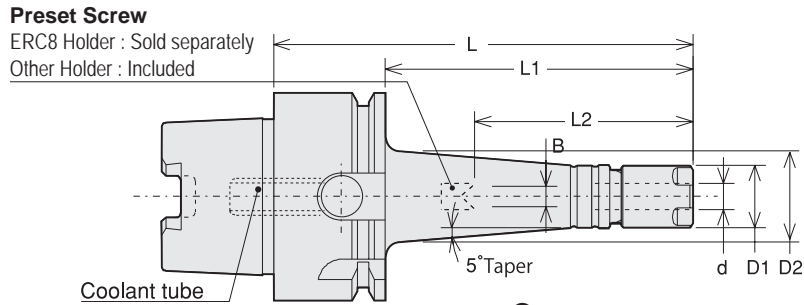
Ordering Example

HSK63A - ERC 8 - 75
 Shank size Max. collet I.D. Projection length (L)

ERC-T

Collet Holder For Small Diameters (Taper Type)


- For drilling in tight space.



Unit : Metric

Code	Model	d	L	L1	B	L2	D1	D2	Nut	kg	Collet	Spanner
5370 01308060	HSK40A -ERC8 -60T	0.5 ~ 5.0	60	40	—	34	12	15	ERP-8	0.3	ER8	S-8E
5370 01308075	-75T	0.5 ~ 5.0	75	55	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	17.5	ERP-8	0.3		
5370 01308090	-90T	0.5 ~ 5.0	90	70	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	20.5	ERP-8	0.3		
5370 01308105	-105T	0.5 ~ 5.0	105	85	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	23	ERP-8	0.4		
5370 01310060	HSK40A -ERC11S -60T	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 24	16	19	ERP-11S	0.3	FDC-07	S-11E
5370 01310075	-75T	0.5 ~ 7.0	75	55	0 ~ 4	22 ~ 38	16	21.5	ERP-11S	0.4		
5370 01310090	-90T	0.5 ~ 7.0	90	70	0 ~ 4	22 ~ 45	16	24	ERP-11S	0.4		
5370 01310090	-105T	0.5 ~ 7.0	105	85	0 ~ 4	22 ~ 45	16	26.5	ERP-11S	0.4		
5370 01408075	HSK50A -ERC8 -75T	0.5 ~ 5.0	75	49	(0 ~ 2.4)	³⁴ (19 ~ 30)	12	16.5	ERP-8	0.5	ER8	S-8E
5370 01408090	-90T	0.5 ~ 5.0	90	64	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	19.5	ERP-8	0.5		
5370 01408105	-105T	0.5 ~ 5.0	105	79	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	22	ERP-8	0.5		
5370 01410075	HSK50A -ERC11S -75T	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 32	16	20.5	ERP-11S	0.6	FDC-07	S-11E
5370 01410090	-90T	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	16	23	ERP-11S	0.6		
5370 01410105	-105T	0.5 ~ 7.0	105	79	0 ~ 4	22 ~ 45	16	25.5	ERP-11S	0.7		
5370 01508060	HSK63A -ERC8 -60T	0.5 ~ 5.0	60	34	—	34	12	14	ERP-8	0.7	ER8	S-8E
5370 01508075	-75T	0.5 ~ 5.0	75	49	(0 ~ 2.4)	³⁴ (19 ~ 28)	12	16.5	ERP-8	0.8		
5370 01508090	-90T	0.5 ~ 5.0	90	64	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	19.5	ERP-8	0.8		
5370 01508105	-105T	0.5 ~ 5.0	105	79	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	22	ERP-8	0.8		
5370 01508120	-120T	0.5 ~ 5.0	120	94	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	24.5	ERP-8	0.9		
5370 01508135	-135T	0.5 ~ 5.0	135	109	(0 ~ 2.4)	³⁴ (19 ~ 31)	12	27	ERP-8	0.9		
5370 01510060	HSK63A -ERC11S -60T	0.5 ~ 7.0	60	34	—	22 ~ 24	16	18	ERP-11S	0.7	FDC-07	S-11E
5370 01510075	-75T	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 38	16	20.5	ERP-11S	0.8		
5370 01510090	-90T	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	16	23	ERP-11S	0.8		
5370 01510105	-105T	0.5 ~ 7.0	105	79	0 ~ 4	22 ~ 45	16	25.5	ERP-11S	0.9		
5370 01510120	-120T	0.5 ~ 7.0	120	94	0 ~ 4	22 ~ 45	16	28.5	ERP-11S	0.9		
5370 01510135	-135T	0.5 ~ 7.0	135	109	0 ~ 4	22 ~ 45	16	31	ERP-11S	1.0		

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8-T, is sold separately. ERC11S-T includes a standard preset screw HDS-07A-ES11.
3. " B " and " L2 " dimensions in brackets are for using ES8 preset screw.
4. Refer to P.092 for minimum tool insertion length in case of using our coolant collets.
5. See P.499 for standard Tightening Torque.

Collet	Spanner	Preset screw
P. 090-091	P. 095	P. 094
		

Ordering Example

HSK40A - ERC 8 - 105 T
 Shank size Max. collet I.D. Projection length (L)

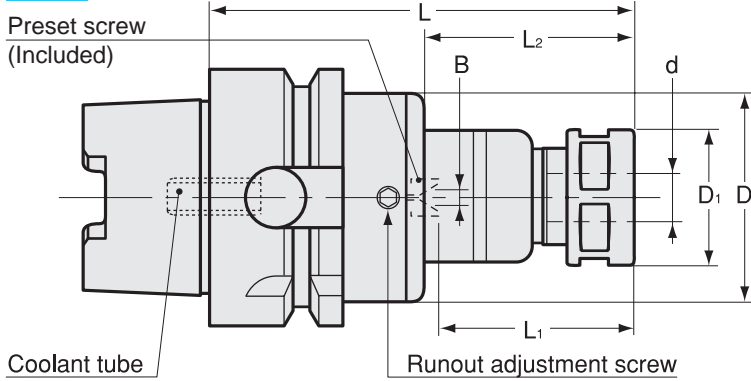
MEMO

HDZ

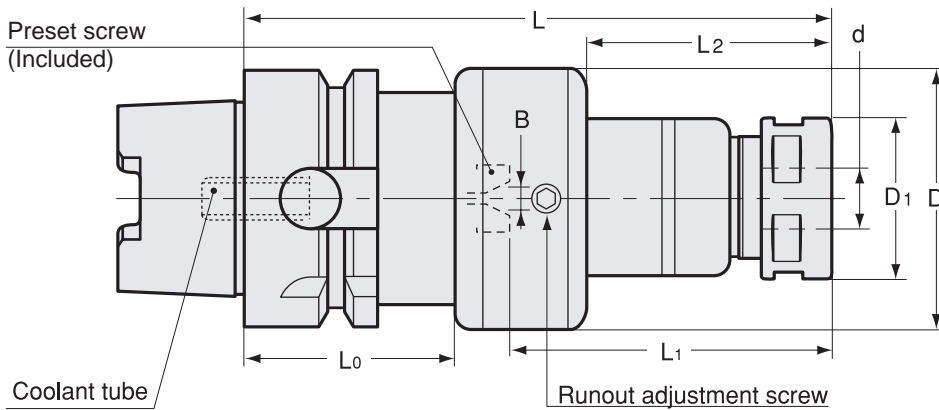
"R"Zero Holder

- Runout accuracy of the cutting edge can be adjusted as closely as to zero.

Type1



Type2







- Coolant tube is included.

Unit : Metric

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	Nut	kg	Collet	Spanner	Wrench
5650 1300705	HSK40A -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 38	39	0 ~ 4	34	23	-	HDP-07A		FDC-07	S-0	L-3T
5650 1300709	-90	1	0.5 ~ 7.0	90	22 ~ 49	54	0 ~ 4	34	23	-	HDP-07A		FDC-07	S-0	L-3T
5650 1300712	-120	1	0.5 ~ 7.0	120	22 ~ 49	84	0 ~ 4	34	23	-	HDP-07A	0.5	FDC-07	S-0	L-3T
5650 1300909	HSK40A -HDZ09 -90	2	2.5 ~ 9.0	90	27 ~ 46	34	0 ~ 4	41	26	35	HDP-09	0.6	FDC-09	S-1L	L-3T
5650 1300912	-120	2	2.5 ~ 9.0	120	27 ~ 61	64	0 ~ 4	41	26	35	HDP-09		FDC-09	S-1L	L-3T
5650 1301209	HSK40A -HDZ12 -90	2	2.5 ~ 12.0	90	33 ~ 51	30	0 ~ 5	52	32	35	HDP-12	0.8	FDC-12	S-3L	L-4T
5650 1301212	-120	2	2.5 ~ 12.0	120	33 ~ 74	60	0 ~ 5	52	32	35	HDP-12	1.0	FDC-12	S-3L	L-4T
5650 1301215	-150	2	2.5 ~ 12.0	150	33 ~ 74	90	0 ~ 5	52	32	35	HDP-12		FDC-12	S-3L	L-4T
5650 1301609	HSK40A -HDZ16 -90	2	3.5 ~ 16.0	90	38 ~ 54	30	0 ~ 6	56	36	35	HDP-16	0.9	FDC-16	S-4L	L-4T
5650 1301612	-120	2	3.5 ~ 16.0	120	38 ~ 72	60	0 ~ 6	56	36	35	HDP-16	1.1	FDC-16	S-4L	L-4T
5650 1301615	-150	2	3.5 ~ 16.0	150	38 ~ 86	90	0 ~ 6	56	36	35	HDP-16		FDC-16	S-4L	L-4T
5650 1400705	HSK50A -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 32	33	0 ~ 4	41	23	-	HDP-07A		FDC-07	S-0	L-3T
5650 1400709	-90	1	0.5 ~ 7.0	90	22 ~ 45	48	0 ~ 4	41	23	-	HDP-07A	0.7	FDC-07	S-0	L-3T
5650 1400712	-120	1	0.5 ~ 7.0	120	22 ~ 45	78	0 ~ 4	41	23	-	HDP-07A	0.8	FDC-07	S-0	L-3T
5650 1400907	HSK50A -HDZ09 -75	1	2.5 ~ 9.0	75	27 ~ 31	33	0 ~ 4	41	26	-	HDP-09		FDC-09	S-1L	L-3T
5650 1400909	-90	1	2.5 ~ 9.0	90	27 ~ 47	48	0 ~ 4	41	26	-	HDP-09	0.7	FDC-09	S-1L	L-3T
5650 1400912	-120	1	2.5 ~ 9.0	120	27 ~ 61	78	0 ~ 4	41	26	-	HDP-09	0.8	FDC-09	S-1L	L-3T
5650 1401209	HSK50A -HDZ12 -90	2	2.5 ~ 12.0	90	33 ~ 42	23	0 ~ 5	52	32	42	HDP-12	1.0	FDC-12	S-3L	L-4T
5650 1401212	-120	2	2.5 ~ 12.0	120	33 ~ 71	53	0 ~ 5	52	32	42	HDP-12	1.2	FDC-12	S-3L	L-4T
5650 1401215	-150	2	2.5 ~ 12.0	150	33 ~ 74	83	0 ~ 5	52	32	42	HDP-12	1.4	FDC-12	S-3L	L-4T
5650 1401609	HSK50A -HDZ16 -90	2	3.5 ~ 16.0	90	38 ~ 50	23	0 ~ 6	56	36	42	HDP-16	1.1	FDC-16	S-4L	L-4T
5650 1401612	-120	2	3.5 ~ 16.0	120	38 ~ 65	53	0 ~ 6	56	36	42	HDP-16	1.3	FDC-16	S-4L	L-4T
5650 1401615	-150	2	3.5 ~ 16.0	150	38 ~ 86	83	0 ~ 6	56	36	42	HDP-16	1.5	FDC-16	S-4L	L-4T

Code	Model	Type	d	L	L1	L2	B	D	D1	L0	Nut	kg	Collet	Spanner	Wrench
5650 15007075	HSK63A -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 35	33	0 ~ 4	41	23	—	HDP-07A	0.9	FDC-07	S-0	L-3T
5650 15007090	-90	1	0.5 ~ 7.0	90	22 ~ 45	48	0 ~ 4	41	23	—	HDP-07A				
5650 15007120	-120	1	0.5 ~ 7.0	120	22 ~ 45	78	0 ~ 4	41	23	—	HDP-07A				
5650 15009075	HSK63A -HDZ09 -75	1	2.5 ~ 9.0	75	27 ~ 34	33	0 ~ 4	45	26	—	HDP-09	1.0	FDC-09	S-1L	L-3T
5650 15009090	-90	1	2.5 ~ 9.0	90	27 ~ 42	48	0 ~ 4	45	26	—	HDP-09	1.0			
5650 15009120	-120	1	2.5 ~ 9.0	120	27 ~ 57	78	0 ~ 4	45	26	—	HDP-09				
5650 15012090	HSK63A -HDZ12 -90	1	2.5 ~ 12.0	90	33 ~ 48	44	0 ~ 5	52	32	—	HDP-12	1.2	FDC-12	S-3L	L-4T
5650 15012120	-120	1	2.5 ~ 12.0	120	33 ~ 69	74	0 ~ 5	52	32	—	HDP-12	1.3			
5650 15012150	-150	1	2.5 ~ 12.0	150	33 ~ 69	104	0 ~ 5	52	32	—	HDP-12	1.5			
5650 15016090	HSK63A -HDZ16 -90	2	3.5 ~ 16.0	90	38 ~ 48	28	0 ~ 6	56	36	42	HDP-16	1.4	FDC-16	S-4L	L-4T
5650 15016120	-120	2	3.5 ~ 16.0	120	38 ~ 62	58	0 ~ 6	56	36	42	HDP-16	1.6			
5650 15016150	-150	2	3.5 ~ 16.0	150	38 ~ 82	88	0 ~ 6	56	36	42	HDP-16	1.8			
5650 15022120	HSK63A -HDZ22 -120	2	3.5 ~ 22.0	120	47 ~ 63	49	0 ~ 8	69	46	42	HDP-22	2.0	FDC-22	S-5L	L-5T
5650 15022150	-150	2	3.5 ~ 22.0	150	47 ~ 93	79	0 ~ 8	69	46	42	HDP-22	2.3			
5650 17007075	HSK100A -HDZ07 -75	1	0.5 ~ 7.0	75	22 ~ 27	26	0 ~ 4	41	23	—	HDP-07A		FDC-07	S-0	L-3T
5650 17007090	-90	1	0.5 ~ 7.0	90	22 ~ 45	41	0 ~ 4	41	23	—	HDP-07A				
5650 17007120	-120	1	0.5 ~ 7.0	120	22 ~ 45	71	0 ~ 4	41	23	—	HDP-07A				
5650 17009075	HSK100A -HDZ09 -75	1	2.5 ~ 9.0	75	27 ~ 28	26	0 ~ 4	45	26	—	HDP-09		FDC-09	S-1L	L-3T
5650 17009090	-90	1	2.5 ~ 9.0	90	27 ~ 47	41	0 ~ 4	45	26	—	HDP-09	2.4			
5650 17009120	-120	1	2.5 ~ 9.0	120	27 ~ 57	71	0 ~ 4	45	26	—	HDP-09				
5650 17012090	HSK100A -HDZ12 -90	1	2.5 ~ 12.0	90	33 ~ 41	41	0 ~ 5	56	32	—	HDP-12	2.6	FDC-12	S-3L	L-4T
5650 17012120	-120	1	2.5 ~ 12.0	120	33 ~ 59	71	0 ~ 5	56	32	—	HDP-12				
5650 17012150	-150	1	2.5 ~ 12.0	150	33 ~ 69	101	0 ~ 5	56	32	—	HDP-12	2.9			
5650 17016090	HSK100A -HDZ16 -90	1	3.5 ~ 16.0	90	38 ~ 41	41	0 ~ 6	62	36	—	HDP-16	2.7	FDC-16	S-4L	L-4T
5650 17016120	-120	1	3.5 ~ 16.0	120	38 ~ 62	71	0 ~ 6	62	36	—	HDP-16				
5650 17016150	-150	1	3.5 ~ 16.0	150	38 ~ 82	101	0 ~ 6	62	36	—	HDP-16				
5650 17022090	HSK100A -HDZ22 -90	1	3.5 ~ 22.0	90	56	37	—	76	46	—	HDP-22	3.0	FDC-22	S-5L	L-5T
5650 17022120	-120	1	3.5 ~ 22.0	120	47 ~ 59	67	0 ~ 8	76	46	—	HDP-22	3.4			
5650 17022150	-150	1	3.5 ~ 22.0	150	47 ~ 83	97	0 ~ 8	76	46	—	HDP-22				

1. Collet, spanner, hexagon head preset screw, preset screw for semi-dry processing, and adjustment wrench are sold separately. Standard preset screw is included.
2. Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
3. L1 indicates dimension when using with a preset screw.
4. See P.499 for standard Tightening Torque.

<p>Collet</p> <p>P. 086 - 089</p> 	<p>Spanner</p> <p>P. 095</p> 	<p>Preset screw</p> <p>P. 094</p> 	<p>Adjustment wrench</p> <p>P. 095</p> 
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Ordering Example

HSK40A - HDZ 12 - 90

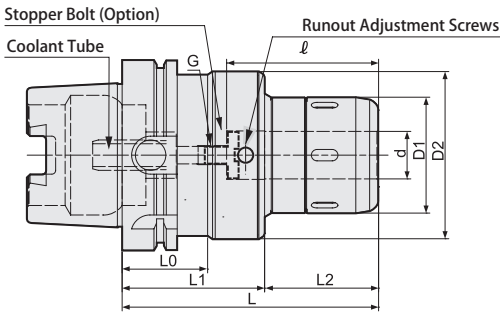
Shank size Max. collet I.D. Projection length (L)

CTZ

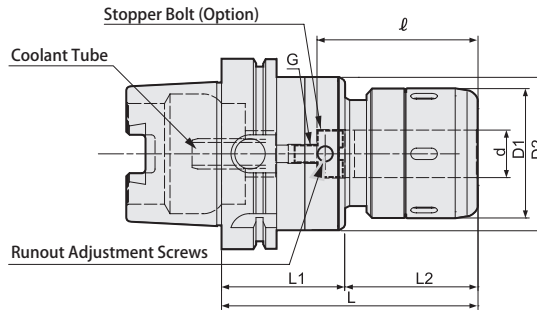
"R"Zero Holder for Large Diameter

- Runout of the cutting edge can be adjusted as close as to zero. Suitable for large diameter reaming.

Type1



Type2



Caution

Please rotate the clamping ring counterclockwise more than 360 degrees after a cutting tool is removed.

- Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D1	D2	L0	ℓ	G	Spanner	Wrench
589015125135	HSK63A -CTZ25A -135 * 1	1	25	135	71	64	61	74	42	80	M8 P=1.25	HS-2.5-25	L-6L (Included)
589015125150	-150 * 1	1	25	150	71	79	61	74	42	80	M8 P=1.25		
589015132135	HSK63A -CTZ32A -135 * 1	1	32	135	71	64	68	80	42	105	M8 P=1.25	HS-3-32	
589015132150	-150 * 1	1	32	150	71	79	68	80	42	120	M8 P=1.25		
589017125135	HSK100A -CTZ25A -135	2	25	135	65	70	61	74	-	80	M10 P=1.5	HS-2.5-25	
589017125150	-150	2	25	150	65	85	61	74	-	80	M10 P=1.5		
589017132135	HSK100A -CTZ32A -135 * 1	2	32	135	65	70	68	80	-	100	M10 P=1.5	HS-3-32	
589017132150	-150 * 1	2	32	150	65	85	68	80	-	115	M10 P=1.5		
589017042135	HSK100A -CTZ42 -135 * 2	1	42	135	76	59	88	99	45	100	M10 P=1.5	HS-4-42	
589017042150	-150 * 2	1	42	150	76	74	88	99	45	110	M10 P=1.5		

- When ordering, indicate number of spanners required. "No charge" spanners are limited to number of holders on order.
 - A wrench is included.
 - The model with "*1" and "*2" are not compatible with some accessories.
- For more information about the accessories, please refer below chart.

Ordering Example

HSK63A - CTZ 32 A - 135
 Shank size I.D. (d) Projection length (L)

Spanner

P. 069



Accessories

Models with * 1 - * 2 cannot be used with some accessories due to short ℓ length.

	Stopper Bolt	Straight Collet		Morse Taper Adapter		Jacobs Adapter	
	BL (P.295)	MC (P.066)	MCA (P.067)	MA (P.068)	MAB (P.068)	JA (P.069)	JAB (P.069)
* 1	Yes	Yes	No	Yes	Yes	Yes	Yes
* 2	Yes	Yes	No	No	No	No	No

Min. chucking length

Direct Chucking (without MC Collet)

I.D.of Chuck	Min. chucking length
25,32,42	50

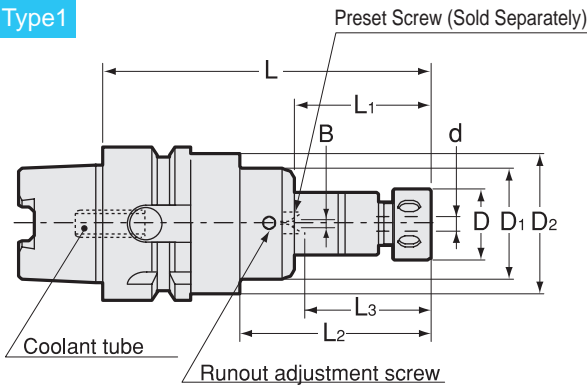
With MC Collet

Collet I.D.	Min. chucking length	
	MC	MC-C, MC-OH
6,8	30	30
10,12	40	40
16,20	45	45
25	50	50
32	50	60

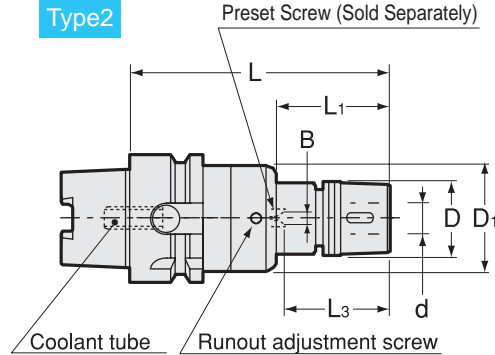
"R"Zero Holder (High-Balanced Type)

- Runout accuracy of the cutting edge can be adjusted as closely as to zero. (High-balanced type)

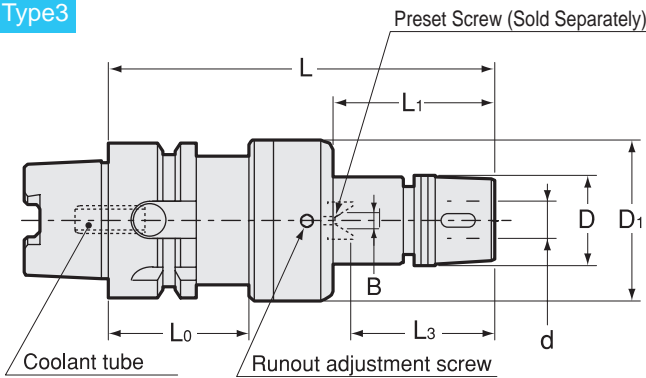
Type1



Type2



Type3



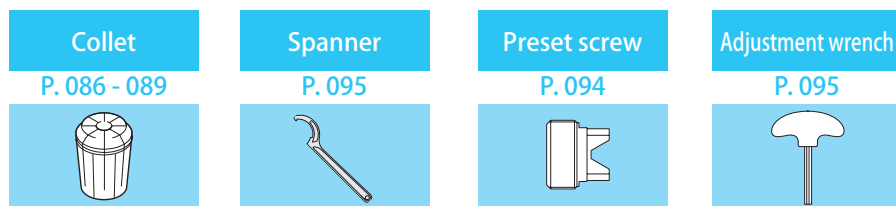
- Coolant tube is included.

Unit : Metric

Code	Model	Type	d	L	L1	L2	L3	D	D1	D2	L0	Nut	kg	Collet	Spanner	Wrench
5670 13007075	HSK40A -GDZ07 -75	2	0.5 ~ 7.0	75	30	—	22 ~ 30	23	34	—	—	HDP-07A				
5670 13007090	-90	2	0.5 ~ 7.0	90	45	—	22 ~ 45	23	34	—	—	HDP-07A	0.5	FDC-07AA	S-0	L-3T
5670 13007120	-120	2	0.5 ~ 7.0	120	75	—	22 ~ 45	23	34	—	—	HDP-07A				
5670 13009090	HSK40A -GDZ09 -90	3	2.5 ~ 9.0	90	28	—	27 ~ 42	29	41	—	35	GDP-09				
5670 13009120	-120	3	2.5 ~ 9.0	120	58	—	27 ~ 57	29	41	—	35	GDP-09		FDC-09AA	FK-0025	L-3T
5670 13009135	-135	3	2.5 ~ 9.0	135	73	—	27 ~ 57	29	41	—	35	GDP-09				
5670 13012105	HSK40A -GDZ12 -105	3	2.5 ~ 12.0	105	39	—	33 ~ 54	34	52	—	35	GDP-12				
5670 13012120	-120	3	2.5 ~ 12.0	120	54	—	33 ~ 69	34	52	—	35	GDP-12		FDC-12AA	FK-0034	L-4T
5670 13012150	-150	3	2.5 ~ 12.0	150	84	—	33 ~ 69	34	52	—	35	GDP-12				
5670 13016105	HSK40A -GDZ16 -105	3	3.5 ~ 16.0	105	39	—	38 ~ 57	38	56	—	35	GDP-16				
5670 13016120	-120	3	3.5 ~ 16.0	120	54	—	38 ~ 72	38	56	—	35	GDP-16		FDC-16AA	FK-0034	L-4T
5670 13016150	-150	3	3.5 ~ 16.0	150	84	—	38 ~ 82	38	56	—	35	GDP-16				
5670 14007090	HSK50A -GDZ07 -90	2	0.5 ~ 7.0	90	39	—	22 ~ 45	23	41	—	—	HDP-07A				
5670 14007120	-120	2	0.5 ~ 7.0	120	69	—	22 ~ 45	23	41	—	—	HDP-07A		FDC-07AA	S-0	L-3T
5670 14007135	-135	2	0.5 ~ 7.0	135	84	—	22 ~ 45	23	41	—	—	HDP-07A				
5670 14009090	HSK50A -GDZ09 -90	2	2.5 ~ 9.0	90	39	—	27 ~ 46	29	41	—	—	GDP-09				
5670 14009120	-120	2	2.5 ~ 9.0	120	69	—	27 ~ 57	29	41	—	—	GDP-09		FDC-09AA	FK-0025	L-3T
5670 14009135	-135	2	2.5 ~ 9.0	135	84	—	27 ~ 57	29	41	—	—	GDP-09				
5670 14012105	HSK50A -GDZ12 -105	3	2.5 ~ 12.0	105	32	—	33 ~ 58	34	52	—	42	GDP-12				
5670 14012120	-120	3	2.5 ~ 12.0	120	47	—	33 ~ 69	34	52	—	42	GDP-12		FDC-12AA	FK-0034	L-4T
5670 14012150	-150	3	2.5 ~ 12.0	150	77	—	33 ~ 69	34	52	—	42	GDP-12				
5670 14016105	HSK50A -GDZ16 -105	3	3.5 ~ 16.0	105	32	—	38 ~ 53	38	56	—	42	GDP-16				
5670 14016120	-120	3	3.5 ~ 16.0	120	47	—	38 ~ 68	38	56	—	42	GDP-16		FDC-16AA	FK-0034	L-4T
5670 14016150	-150	3	3.5 ~ 16.0	150	77	—	38 ~ 82	38	56	—	42	GDP-16				

Code	Model	Type	d	L	L1	L2	L3	D	D1	D2	L0	Nut	kg	Collet	Spanner	Wrench
5670 15007090	HSK63A -GDZ07 -90	1	0.5 ~ 7.0	90	33	49	22 ~ 45	23	41	52	—	HDP-07A	1.1	FDC-07AA	S-0	L-3T
5670 15007120	-120	1	0.5 ~ 7.0	120	63	79	22 ~ 45	23	41	52	—	HDP-07A	1.2			
5670 15007135	-135	1	0.5 ~ 7.0	135	78	94	22 ~ 45	23	41	52	—	HDP-07A				
5670 15009090	HSK63A -GDZ09 -90	1	2.5 ~ 9.0	90	33	49	27 ~ 42	29	45	52	—	GDP-09	1.2	FDC-09AA	FK-0025	L-3T
5670 15009120	-120	1	2.5 ~ 9.0	120	63	79	27 ~ 57	29	45	52	—	GDP-09	1.3			
5670 15009135	-135	1	2.5 ~ 9.0	135	78	94	27 ~ 57	29	45	52	—	GDP-09	1.4			
5670 15012105	HSK63A -GDZ12 -105	2	2.5 ~ 12.0	105	50	—	33 ~ 54	34	52	—	—	GDP-12	1.3	FDC-12AA	FK-0034	L-4T
5670 15012120	-120	2	2.5 ~ 12.0	120	65	—	33 ~ 69	34	52	—	—	GDP-12				
5670 15012150	-150	2	2.5 ~ 12.0	150	95	—	33 ~ 69	34	52	—	—	GDP-12				
5670 15016105	HSK63A -GDZ16 -105	3	3.5 ~ 16.0	105	32	—	38 ~ 57	38	56	—	42	GDP-16	1.6	FDC-16AA	FK-0034	L-4T
5670 15016120	-120	3	3.5 ~ 16.0	120	47	—	38 ~ 67	38	56	—	42	GDP-16	1.7			
5670 15016150	-150	3	3.5 ~ 16.0	150	77	—	38 ~ 82	38	56	—	42	GDP-16				
5670 15022120	HSK63A -GDZ22 -120	3	3.5 ~ 22.0	120	43	—	47 ~ 63	49	69	—	42	GDP-22	2.1	FDC-22AA	FK-0045	L-5T
5670 15022150	-150	3	3.5 ~ 22.0	150	73	—	47 ~ 93	49	69	—	42	GDP-22				
5670 17007090	HSK100A -GDZ07 -90	1	0.5 ~ 7.0	90	30	46	22 ~ 45	23	41	84	—	HDP-07A		FDC-07AA	S-0	L-3T
5670 17007120	-120	1	0.5 ~ 7.0	120	60	76	22 ~ 45	23	41	84	—	HDP-07A				
5670 17007135	-135	1	0.5 ~ 7.0	135	75	91	22 ~ 45	23	41	84	—	HDP-07A				
5670 17009090	HSK100A -GDZ09 -90	1	2.5 ~ 9.0	90	30	46	27 ~ 45	29	45	84	—	GDP-09		FDC-09AA	FK-0025	L-3T
5670 17009120	-120	1	2.5 ~ 9.0	120	60	76	27 ~ 57	29	45	84	—	GDP-09				
5670 17009135	-135	1	2.5 ~ 9.0	135	75	91	27 ~ 57	29	45	84	—	GDP-09				
5670 17012105	HSK100A -GDZ12 -105	1	2.5 ~ 12.0	105	41	61	33 ~ 45	34	56	84	—	GDP-12		FDC-12AA	FK-0034	L-4T
5670 17012120	-120	1	2.5 ~ 12.0	120	56	76	33 ~ 60	34	56	84	—	GDP-12				
5670 17012150	-150	1	2.5 ~ 12.0	150	86	106	33 ~ 69	34	56	84	—	GDP-12				
5670 17016105	HSK100A -GDZ16 -105	1	3.5 ~ 16.0	105	41	61	38 ~ 47	38	62	84	—	GDP-16		FDC-16AA	FK-0034	L-4T
5670 17016120	-120	1	3.5 ~ 16.0	120	56	76	38 ~ 62	38	62	84	—	GDP-16				
5670 17016150	-150	1	3.5 ~ 16.0	150	86	106	38 ~ 82	38	62	84	—	GDP-16				
5670 17022105	HSK100A -GDZ22 -105	1	3.5 ~ 22.0	105	37	61	65	49	76	84	—	GDP-22		FDC-22AA	FK-0045	L-5T
5670 17022120	-120	1	3.5 ~ 22.0	120	52	76	47 ~ 57	49	76	84	—	GDP-22				
5670 17022150	-150	1	3.5 ~ 22.0	150	82	106	47 ~ 87	49	76	84	—	GDP-22				

1. Collet, preset screw, spanner and adjustment wrench are sold separately.
2. Always use AA class collet.
3. Refer to P.092 for minimum tool insertion length in case of using our coolant collets (OH,C or MS).
4. "L3" dimensions in brackets are for using preset screw.
5. See P.499 for standard Tightening Torque.



Ordering Example

HSK63A - GDZ 07 - 90

Shank size Max. collet I.D. Projection length (L)

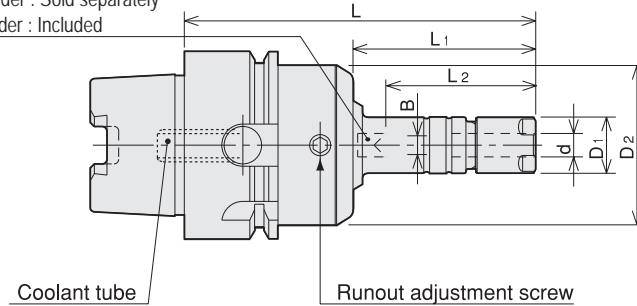
ERZ

"R"Zero Holder For Small Diameters

- Holder with runout adjustment mechanism. Suitable for drilling in tight space.

Preset Screw

ERC8 Holder : Sold separately
Other Holder : Included



- Coolant tube is included.

Unit : Metric

Code	Model	d	L	L1	B	L2	D1	D2	Nut	Collet	Spanner	Wrench
5680 00308075	HSK40A -ERZ8 -75	0.5 ~ 5.0	75	39	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8			
5680 00308090	-90	0.5 ~ 5.0	90	54	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8	ER8	S-8E	L-3T
5680 00308105	-105	0.5 ~ 5.0	105	69	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8			
5680 00310075	HSK40A-ERZ11S-75	0.5 ~ 7.0	75	39	0 ~ 4	22 ~ 35	16	34	ERP-11S			
5680 00310090	-90	0.5 ~ 7.0	90	54	0 ~ 4	22 ~ 42	16	34	ERP-11S	FDC-07	S-11E	L-3T
5680 00310105	-105	0.5 ~ 7.0	105	69	0 ~ 4	22 ~ 42	16	34	ERP-11S			
5680 00408075	HSK50A -ERZ8 -75	0.5 ~ 5.0	75	33	— (0 ~ 3.1)	³³ (19 ~ 28)	12	34	ERP-8			
5680 00408090	-90	0.5 ~ 5.0	90	48	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8	ER8	S-8E	L-3T
5680 00408105	-105	0.5 ~ 5.0	105	63	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8			
5680 00410075	HSK50A-ERZ11S-75	0.5 ~ 7.0	75	33	0 ~ 4	22 ~ 29	16	34	ERP-11S			
5680 00410090	-90	0.5 ~ 7.0	90	48	0 ~ 4	22 ~ 42	16	34	ERP-11S	FDC-07	S-11E	L-3T
5680 00410105	-105	0.5 ~ 7.0	105	63	0 ~ 4	22 ~ 42	16	34	ERP-11S			
5680 00508075	HSK63A -ERZ8 -75	0.5 ~ 5.0	75	33	— (0 ~ 3.1)	³³ (19 ~ 26)	12	34	ERP-8			
5680 00508090	-90	0.5 ~ 5.0	90	48	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8	ER8	S-8E	L-3T
5680 00508120	-120	0.5 ~ 5.0	120	78	— (0 ~ 3.1)	³³ (19 ~ 29)	12	34	ERP-8			
5680 00510075	HSK63A-ERZ11S-75	0.5 ~ 7.0	75	33	0 ~ 4	22 ~ 32	16	34	ERP-11S			
5680 00510090	-90	0.5 ~ 7.0	90	48	0 ~ 4	22 ~ 42	16	34	ERP-11S	FDC-07	S-11E	L-3T
5680 00510120	-120	0.5 ~ 7.0	120	78	0 ~ 4	22 ~ 42	16	34	ERP-11S			

1. Collet, spanner and adjustment wrench are sold separately.
2. ES8, a preset screw for ERZ8, is sold separately. ERZ11S includes a standard preset screw HDS-07A-ES11.
3. "B" and "L2" dimensions in brackets are for using ES8 preset screw.
4. Refer to P.092 for minimum tool insertion length in case of using our coolant collets.
5. See P.499 for standard Tightening Torque.

Collet P. 090-091	Spanner P. 095	Preset screw P. 094	Adjustment wrench P. 095

Ordering Example

HSK63A - ERZ 8 - 75
Shank size Max. collet I.D. Projection length (L)

MEMO

Metric Sizes

Unit : Metric

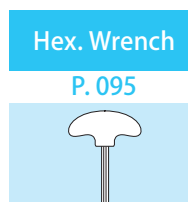
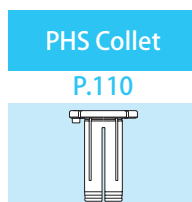
Code	Model	Type	d	L	L1	D1	D2	D3	L0	ℓ	ℓ1	Wrench (Option)
573015225135	HSK63A -PHC25A -135	2	25	135	59	50	52	59	42	60	50	L-6T (6mm)
573015225150	-150	2	25	150	79	50	52	59	42	80	50	
573015232135	HSK63A -PHC32A -135	2	32	135	42	60	62	85	42	80	65	
573015232150	-150	2	32	150	108	60	62	62	42	80	65	
573017206090	HSK100A -PHC06A -90	1	6	90	30	24	26	46	—	34	29	L-4T (4mm)
573017206120	-120	1	6	120	41	24	26	46	—	45	29	
573017206150	-150	1	6	150	41	24	26	46	—	45	29	
573017207090	HSK100A -PHC07A -90	1	7	90	30	26	28	46	—	34	29	
573017207120	-120	1	7	120	41	26	28	46	—	45	29	
573017207150	-150	1	7	150	41	26	28	46	—	45	29	
573017208090	HSK100A -PHC08A -90	1	8	90	30	26	28	46	—	34	29	
573017208120	-120	1	8	120	41	26	28	46	—	45	29	
573017208150	-150	1	8	150	41	26	28	46	—	45	29	
573017209105	HSK100A -PHC09A -105	1	9	105	44	28	30	52	—	50	40	
573017209135	-135	1	9	135	64	28	30	52	—	70	40	
573017209165	-165	1	9	165	64	28	30	52	—	70	40	
573017210105	HSK100A -PHC10A -105	1	10	105	44	28	30	52	—	50	40	
573017210135	-135	1	10	135	64	28	30	52	—	70	40	
573017210165	-165	1	10	165	64	28	30	52	—	70	40	
573017211105	HSK100A -PHC11A -105	1	11	105	45	30	32	52	—	50	40	
573017211135	-135	1	11	135	65	30	32	52	—	70	40	
573017211165	-165	1	11	165	65	30	32	52	—	70	40	
573017212105	HSK100A -PHC12A -105	1	12	105	45	30	32	52	—	50	40	
573017212135	-135	1	12	135	65	30	32	52	—	70	40	
573017212165	-165	1	12	165	65	30	32	52	—	70	40	
573017213105	HSK100A -PHC13A -105	1	13	105	46	34	36	52	—	50	40	
573017213135	-135	1	13	135	66	34	36	52	—	70	40	
573017213165	-165	1	13	165	66	34	36	52	—	70	40	
573017214105	HSK100A -PHC14A -105	1	14	105	46	34	36	52	—	50	40	
573017214135	-135	1	14	135	66	34	36	52	—	70	40	
573017214165	-165	1	14	165	66	34	36	52	—	70	40	
573017215105	HSK100A -PHC15A -105	1	15	105	46	36	38	52	—	50	40	
573017215135	-135	1	15	135	66	36	38	52	—	70	40	
573017215165	-165	1	15	165	66	36	38	52	—	70	40	
573017216105	HSK100A -PHC16A -105	1	16	105	46	36	38	52	—	50	40	
573017216135	-135	1	16	135	66	36	38	52	—	70	40	
573017216165	-165	1	16	165	66	36	38	52	—	70	40	
573017220105	HSK100A -PHC20A -105	1	20	105	49	40	42	46	—	50	40	
573017220135	-135	1	20	135	69	40	42	46	—	70	40	
573017220165	-165	1	20	165	69	40	42	46	—	70	40	
573017225120	HSK100A -PHC25A -120	1	25	120	59	50	52	62	—	64	50	
573017225165	-165	1	25	165	79	50	52	62	—	80	50	
573017232135	HSK100A -PHC32A -135	3	32	135	—	60	62	—	—	80	65	L-6T (6mm)
573017232165	-165	3	32	165	—	60	62	—	—	80	65	

- Cutting tool shank must be within tolerances specified below ;
Shank diameter less than 6mm : Within h6 tolerance
Shank diameter 6mm and over : Within h7 tolerance
h6 or 0/-0.01 tolerance is recommended when newly making a cutting tool.
- Do not leave the holder with actuating screw tightened when the chuck is empty.
- PHC12A and PHC20A have pin holes for collet with stopper pin on its body.

Ordering Example

HSK100A - PHC 06 A - 90
 Shank size I.D. (d) Projection length (L)

Tightening torque (Torque wrench : p.498)			
model	I.D. (d)		Tightening torque (Nm)
	mm	inch	
PHC-A	06 ~ 08	0250 ~ 0312	11 ~ 12
PHC-A	09 ~ 20	0375 ~ 0750	7 ~ 8
PHC-A	25, 32	1000, 1250	29 ~ 30



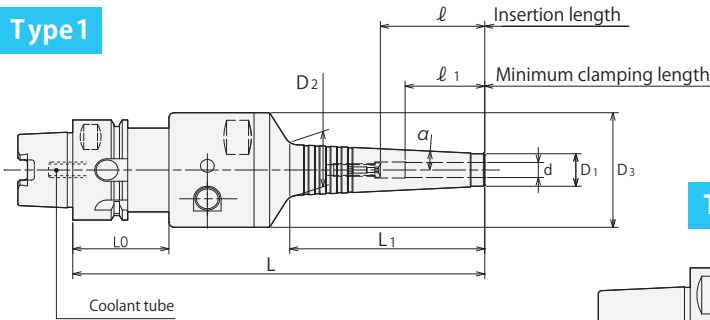
MEMO

PHC · S New

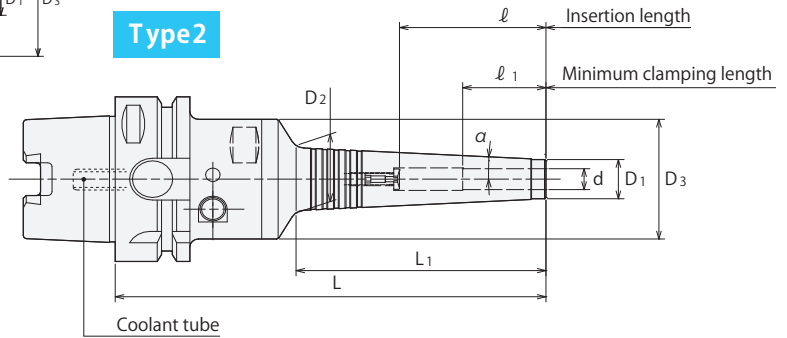
Slim Hydro Chuck

- Perfect choice for tight space applications, such as endmill finishing, drilling and reaming on 5-axis machines.

Type 1



Type 2



- Coolant tube is included.

Inch Sizes

Unit : Inch

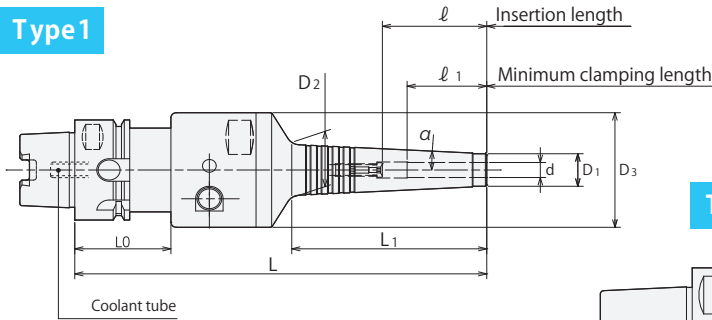
Code	Model	Type	d	L	L1	D1	D2	D3	L0	ℓ	ℓ1	α	Wrench (Option)
-	HSK40A -PHC0250S -150	1	0.250	5.906	2.795	0.512	0.807	1.811	1.378	1.457	1.142	3°	L-4T
-	-165	1	0.250	6.496	3.425	0.512	0.874	1.811	1.378	1.457	1.142		
-	-180	1	0.250	7.087	4.016	0.512	0.933	1.811	1.378	1.457	1.142		
-	HSK40A -PHC0312S -150	1	0.312	5.906	2.835	0.591	0.890	1.811	1.378	1.969	1.142		
-	-165	1	0.312	6.496	3.425	0.591	0.953	1.811	1.378	1.969	1.142		
-	-180	1	0.312	7.087	4.055	0.591	1.016	1.811	1.378	1.969	1.142		
-	HSK40A -PHC0375S -150	1	0.375	5.906	2.835	0.669	0.969	1.811	1.378	1.969	1.575		
-	-165	1	0.375	6.496	3.465	0.669	1.035	1.811	1.378	1.969	1.575		
-	-180	1	0.375	7.087	4.055	0.669	1.094	1.811	1.378	1.969	1.575		
-	HSK40A -PHC0500S -150	1	0.500	5.906	2.874	0.787	1.091	1.811	1.378	2.756	1.575		
-	-165	1	0.500	6.496	3.504	0.787	1.157	1.811	1.378	2.756	1.575		
-	-180	1	0.500	7.087	4.094	0.787	1.220	1.811	1.378	2.756	1.575		
-	HSK50A -PHC0250S -150	1	0.250	5.906	2.795	0.512	0.807	1.811	1.654	1.457	1.142	3°	L-4T
-	-165	1	0.250	6.496	3.425	0.512	0.874	1.811	1.654	1.457	1.142		
-	-180	1	0.250	7.087	4.016	0.512	0.933	1.811	1.654	1.457	1.142		
-	HSK50A -PHC0312S -150	1	0.312	5.906	2.835	0.591	0.890	1.811	1.654	1.969	1.142		
-	-165	1	0.312	6.496	3.425	0.591	0.953	1.811	1.654	1.969	1.142		
-	-180	1	0.312	7.087	4.055	0.591	1.016	1.811	1.654	1.969	1.142		
-	HSK50A -PHC0375S -150	1	0.375	5.906	2.835	0.669	0.969	1.811	1.654	1.969	1.575		
-	-165	1	0.375	6.496	3.465	0.669	1.035	1.811	1.654	1.969	1.575		
-	-180	1	0.375	7.087	4.055	0.669	1.094	1.811	1.654	1.969	1.575		
-	HSK50A -PHC0500S -150	1	0.500	5.906	2.874	0.787	1.091	1.811	1.654	2.756	1.575		
-	-165	1	0.500	6.496	3.504	0.787	1.157	1.811	1.654	2.756	1.575		
-	-180	1	0.500	7.087	4.094	0.787	1.220	1.811	1.654	2.756	1.575		
-	HSK63A -PHC0250S -135	2	0.250	5.315	2.795	0.512	0.807	1.811	-	1.457	1.142	3°	L-4T
-	-150	2	0.250	5.906	3.425	0.512	0.874	1.811	-	1.457	1.142		
-	-165	2	0.250	6.496	4.016	0.512	0.933	1.811	-	1.457	1.142		
-	-180	2	0.250	7.087	4.646	0.512	1.000	1.811	-	1.457	1.142		
-	HSK63A -PHC0312S -135	2	0.312	5.315	2.835	0.591	0.890	1.811	-	1.969	1.142		
-	-150	2	0.312	5.906	3.425	0.591	0.953	1.811	-	1.969	1.142		
-	-165	2	0.312	6.496	4.055	0.591	1.016	1.811	-	1.969	1.142		
-	-180	2	0.312	7.087	4.646	0.591	1.079	1.811	-	1.969	1.142		
-	HSK63A -PHC0375S -135	2	0.375	5.315	2.835	0.669	0.969	1.811	-	1.969	1.575		
-	-150	2	0.375	5.906	3.465	0.669	1.035	1.811	-	1.969	1.575		
-	-165	2	0.375	6.496	4.055	0.669	1.094	1.811	-	1.969	1.575		
-	-180	2	0.375	7.087	4.685	0.669	1.161	1.811	-	1.969	1.575		
-	HSK63A -PHC0500S -135	2	0.500	5.315	2.874	0.787	1.091	1.811	-	2.756	1.575		
-	-150	2	0.500	5.906	3.504	0.787	1.157	1.811	-	2.756	1.575		
-	-165	2	0.500	6.496	4.094	0.787	1.220	1.811	-	2.756	1.575		
-	-180	2	0.500	7.087	4.724	0.787	1.283	1.811	-	2.756	1.575		

PHC · S New

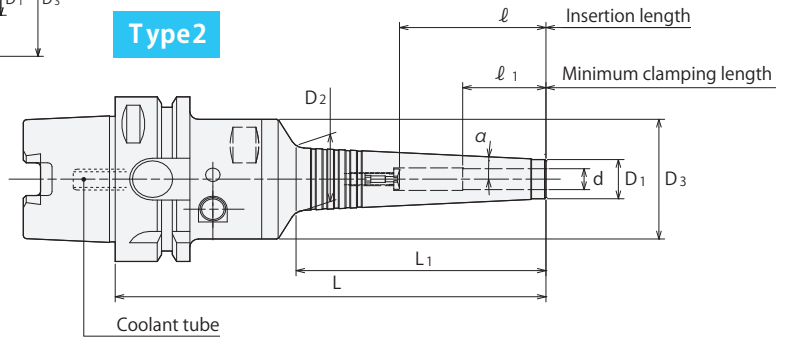
Slim Hydro Chuck

- Perfect choice for tight space applications, such as endmill finishing, drilling and reaming on 5-axis machines.

Type 1



Type 2



- Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	D1	D2	D3	L0	l	l1	α	Kg	Wrench(Optional)	
5750 13006150	HSK40A -PHC06S	-150	1	6	150	71	13	20.5	46	35	37	29	3°	0.9	L-4T
5750 13006165		-165	1	6	165	87	13	22.2	46	35	37	29	3°	1.0	
5750 13006180		-180	1	6	180	102	13	23.7	46	35	37	29	3°	1.0	
5750 13007150	HSK40A -PHC07S	-150	1	7	150	71	14	21.5	46	35	37	29	3°	1.0	
5750 13007165		-165	1	7	165	87	14	23.2	46	35	37	29	3°	1.0	
5750 13007180		-180	1	7	180	102	14	24.7	46	35	37	29	3°	1.1	
5750 13008150	HSK40A -PHC08S	-150	1	8	150	72	15	22.6	46	35	50	29	3°	1.0	
5750 13008165		-165	1	8	165	87	15	24.2	46	35	50	29	3°	1.0	
5750 13008180		-180	1	8	180	103	15	25.8	46	35	50	29	3°	1.1	
5750 13009150	HSK40A -PHC09S	-150	1	9	150	72	16	23.6	46	35	50	40	3°	1.0	
5750 13009165		-165	1	9	165	87	16	25.2	46	35	50	40	3°	1.0	
5750 13009180		-180	1	9	180	103	16	26.8	46	35	50	40	3°	1.1	
5750 13010150	HSK40A -PHC10S	-150	1	10	150	72	17	24.6	46	35	50	40	3°	1.0	
5750 13010165		-165	1	10	165	88	17	26.3	46	35	50	40	3°	1.0	
5750 13010180		-180	1	10	180	103	17	27.8	46	35	50	40	3°	1.1	
5750 13011150	HSK40A -PHC11S	-150	1	11	150	73	18	25.7	46	35	50	40	3°	1.0	
5750 13011165		-165	1	11	165	88	18	27.3	46	35	50	40	3°	1.1	
5750 13011180		-180	1	11	180	104	18	29.0	46	35	50	40	3°	1.1	
5750 13012150	HSK40A -PHC12S	-150	1	12	150	73	19	26.7	46	35	70	40	3°	1.0	
5750 13012165		-165	1	12	165	88	19	28.3	46	35	70	40	3°	1.1	
5750 13012180		-180	1	12	180	104	19	30.0	46	35	70	40	3°	1.1	
5750 14006150	HSK50A -PHC06S	-150	1	6	150	71	13	20.5	46	42	37	29	3°	1.1	L-4T
5750 14006165		-165	1	6	165	87	13	22.2	46	42	37	29	3°	1.1	
5750 14006180		-180	1	6	180	102	13	23.7	46	42	37	29	3°	1.2	
5750 14007150	HSK50A -PHC07S	-150	1	7	150	71	14	21.5	46	42	37	29	3°	1.1	
5750 14007165		-165	1	7	165	87	14	23.2	46	42	37	29	3°	1.2	
5750 14007180		-180	1	7	180	102	14	24.7	46	42	37	29	3°	1.2	
5750 14008150	HSK50A -PHC08S	-150	1	8	150	72	15	22.6	46	42	50	29	3°	1.1	
5750 14008165		-165	1	8	165	87	15	24.2	46	42	50	29	3°	1.2	
5750 14008180		-180	1	8	180	103	15	25.8	46	42	50	29	3°	1.2	
5750 14009150	HSK50A -PHC09S	-150	1	9	150	72	16	23.6	46	42	50	40	3°	1.1	
5750 14009165		-165	1	9	165	87	16	25.2	46	42	50	40	3°	1.2	
5750 14009180		-180	1	9	180	103	16	26.8	46	42	50	40	3°	1.3	
5750 14010150	HSK50A -PHC10S	-150	1	10	150	72	17	24.6	46	42	50	40	3°	1.2	
5750 14010165		-165	1	10	165	88	17	26.3	46	42	50	40	3°	1.2	
5750 14010180		-180	1	10	180	103	17	27.8	46	42	50	40	3°	1.3	
5750 14011150	HSK50A -PHC11S	-150	1	11	150	73	18	25.7	46	42	50	40	3°	1.2	
5750 14011165		-165	1	11	165	88	18	27.3	46	42	50	40	3°	1.2	
5750 14011180		-180	1	11	180	104	18	29.0	46	42	50	40	3°	1.3	
5750 14012150	HSK50A -PHC12S	-150	1	12	150	73	19	26.7	46	42	70	40	3°	1.2	
5750 14012165		-165	1	12	165	88	19	28.3	46	42	70	40	3°	1.2	
5750 14012180		-180	1	12	180	104	19	30.0	46	42	70	40	3°	1.3	
5750 15006135	HSK63A -PHC06S	-135	2	6	135	71	13	20.5	46	-	37	29	3°	1.2	L-4T
5750 15006150		-150	2	6	150	87	13	22.2	46	-	37	29	3°	1.3	
5750 15006165		-165	2	6	165	102	13	23.7	46	-	37	29	3°	1.3	
5750 15006180		-180	2	6	180	118	13	25.4	46	-	37	29	3°	1.4	

Metric Sizes

Unit : Metric

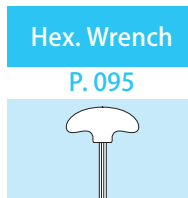
Code	Model	Type	d	L	L1	D1	D2	D3	L0	ℓ	ℓ 1	α	Kg	Wrench(Optional)
5750 15007135	HSK63A -PHC07S -135	2	7	135	71	14	21.5	46	-	37	29	3°	1.2	L-4T
5750 15007150	-150	2	7	150	87	14	23.2	46	-	37	29	3°	1.3	
5750 15007165	-165	2	7	165	102	14	24.7	46	-	37	29	3°	1.3	
5750 15007180	-180	2	7	180	118	14	26.4	46	-	37	29	3°	1.4	
5750 15008135	HSK63A -PHC08S -135	2	8	135	72	15	22.6	46	-	50	29	3°	1.2	
5750 15008150	-150	2	8	150	87	15	24.2	46	-	50	29	3°	1.3	
5750 15008165	-165	2	8	165	103	15	25.8	46	-	50	29	3°	1.3	
5750 15008180	-180	2	8	180	118	15	27.4	46	-	50	29	3°	1.4	
5750 15009135	HSK63A -PHC09S -135	2	9	135	72	16	23.6	46	-	50	40	3°	1.3	
5750 15009150	-150	2	9	150	87	16	25.2	46	-	50	40	3°	1.3	
5750 15009165	-165	2	9	165	103	16	26.8	46	-	50	40	3°	1.4	
5750 15009180	-180	2	9	180	118	16	28.4	46	-	50	40	3°	1.4	
5750 15010135	HSK63A -PHC10S -135	2	10	135	72	17	24.6	46	-	50	40	3°	1.3	
5750 15010150	-150	2	10	150	88	17	26.3	46	-	50	40	3°	1.3	
5750 15010165	-165	2	10	165	103	17	27.8	46	-	50	40	3°	1.4	
5750 15010180	-180	2	10	180	119	17	29.5	46	-	50	40	3°	1.5	
5750 15011135	HSK63A -PHC11S -135	2	11	135	73	18	25.7	46	-	50	40	3°	1.3	
5750 15011150	-150	2	11	150	88	18	27.3	46	-	50	40	3°	1.3	
5750 15011165	-165	2	11	165	104	18	29.0	46	-	50	40	3°	1.3	
5750 15011180	-180	2	11	180	119	18	30.5	46	-	50	40	3°	1.5	
5750 15012135	HSK63A -PHC12S -135	2	12	135	73	19	26.7	46	-	70	40	3°	1.3	
5750 15012150	-150	2	12	150	88	19	28.3	46	-	70	40	3°	1.3	
5750 15012165	-165	2	12	165	104	19	30.0	46	-	70	40	3°	1.4	
5750 15012180	-180	2	12	180	119	19	31.5	46	-	70	40	3°	1.5	
5750 15016135	HSK63A -PHC16S -135	1	16	135	72	23	30.6	52.5	-	75	40	3°		
5750 15016165	-165	1	16	165	103	23	33.8	52.5	-	80	40	3°		
5750 15016180	-180	1	16	180	119	23	35.5	52.5	-	80	40	3°		
5750 15020150	HSK63A -PHC20S -150	2	20	150	63	28	34.7	62	42	70	40	3°		
5750 15020180	-180	2	20	180	93	28	37.8	62	42	100	40	3°		
5750 15020195	-195	2	20	195	109	28	39.5	62	42	100	40	3°		
5750 15025150	HSK63A -PHC25S -150	2	25	150	65	37	43.9	62	42	70	50	3°		
5750 15025180	-180	2	25	180	96	37	47.1	62	42	100	50	3°		
5750 15025195	-195	2	25	195	112	37	48.8	62	42	110	50	3°		
5750 17006150	HSK100A -PHC06S -150	2	6	150	71	13	20.5	46	-	37	29	3°	2.7	
5750 17006165	-165	2	6	165	87	13	22.2	46	-	37	29	3°	2.7	
5750 17006180	-180	2	6	180	102	13	23.7	46	-	37	29	3°	2.8	
5750 17006195	-195	2	6	195	118	13	25.4	46	-	37	29	3°	2.8	
5750 17007150	HSK100A -PHC07S -150	2	7	150	71	14	21.5	46	-	37	29	3°	2.7	
5750 17007165	-165	2	7	165	87	14	23.2	46	-	37	29	3°	2.8	
5750 17007180	-180	2	7	180	102	14	24.7	46	-	37	29	3°	2.8	
5750 17007195	-195	2	7	195	118	14	26.4	46	-	37	29	3°	2.9	
5750 17008150	HSK100A -PHC08S -150	2	8	150	72	15	22.6	46	-	50	29	3°	2.7	
5750 17008165	-165	2	8	165	87	15	24.2	46	-	50	29	3°	2.8	
5750 17008180	-180	2	8	180	103	15	25.8	46	-	50	29	3°	2.8	
5750 17008195	-195	2	8	195	118	15	27.4	46	-	50	29	3°	2.9	
5750 17009150	HSK100A -PHC09S -150	2	9	150	72	16	23.6	46	-	50	40	3°	2.7	
5750 17009165	-165	2	9	165	87	16	25.2	46	-	50	40	3°	2.8	
5750 17009180	-180	2	9	180	103	16	26.8	46	-	50	40	3°	2.8	
5750 17009195	-195	2	9	195	118	16	28.4	46	-	50	40	3°	2.9	
5750 17010150	HSK100A -PHC10S -150	2	10	150	72	17	24.6	46	-	50	40	3°	2.7	
5750 17010165	-165	2	10	165	88	17	26.3	46	-	50	40	3°	2.8	
5750 17010180	-180	2	10	180	103	17	27.8	46	-	50	40	3°	2.9	
5750 17010195	-195	2	10	195	119	17	29.5	46	-	50	40	3°	2.9	
5750 17011150	HSK100A -PHC11S -150	2	11	150	73	18	25.7	46	-	50	40	3°	2.8	
5750 17011165	-165	2	11	165	88	18	27.3	46	-	50	40	3°	2.8	
5750 17011180	-180	2	11	180	104	18	29.0	46	-	50	40	3°	2.9	
5750 17011195	-195	2	11	195	119	18	30.5	46	-	50	40	3°	3.0	
5750 17012150	HSK100A -PHC12S -150	2	12	150	73	19	26.7	46	-	70	40	3°	2.8	
5750 17012165	-165	2	12	165	88	19	28.3	46	-	70	40	3°	2.8	
5750 17012180	-180	2	12	180	104	19	30.0	46	-	70	40	3°	2.9	
5750 17012195	-195	2	12	195	119	19	31.5	46	-	70	40	3°	3.0	
5750 17016150	HSK100A -PHC16S -150	1	16	150	72	23	30.6	52.5	-	75	40	3°		
5750 17016180	-180	1	16	180	103	23	33.8	52.5	-	80	40	3°		
5750 17016195	-195	1	16	195	119	23	35.5	52.5	-	80	40	3°		
5750 17020150	HSK100A -PHC20S -150	1	20	150	63	28	34.7	62	-	70	40	3°		
5750 17020180	-180	1	20	180	93	28	37.8	62	-	100	40	3°		
5750 17020195	-195	1	20	195	109	28	39.5	62	-	100	40	3°		
5750 17025150	HSK100A -PHC25S -150	1	25	150	65	37	43.9	62	-	70	50	3°		
5750 17025180	-180	1	25	180	96	37	47.1	62	-	100	50	3°		
5750 17025195	-195	1	25	195	112	37	48.8	62	-	110	50	3°		

1. Tool shank diameter tolerance must be within h6.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.

Ordering Example

HSK40A - PHC 12 S - 150
 Shank size I.D. (d) Projection length (L)

Tightening torque (Torque wrench : p.498)		
model	I.D. (d) mm	Tightening torque (Nm)
PHC-S	06 ~ 12, 16	9 ~ 10
PHC-S	20 ~ 25	23 ~ 24



Inch to Metric (mm) → Inch × 25.4
 Metric (mm) to Inch → Metric ÷ 25.4 or Metric × 0.03937



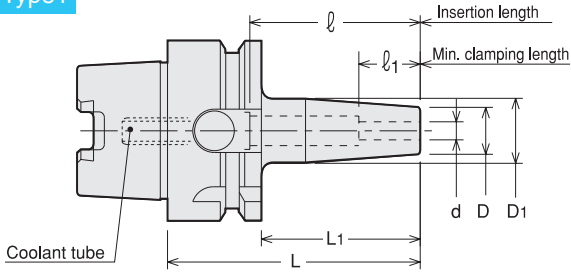
Special / Custom Sizes on request

SRE

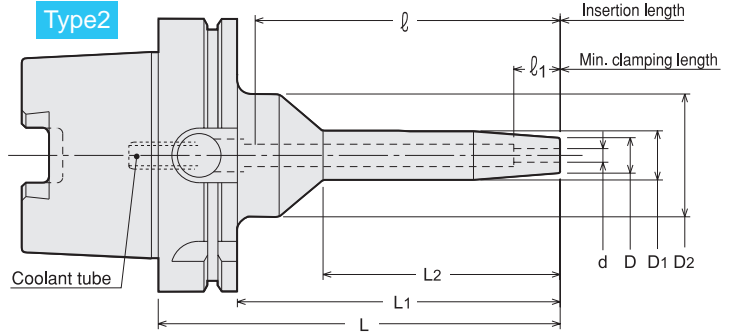
Shrink Fit (Small Diameter Type)

● Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Small diameter type)

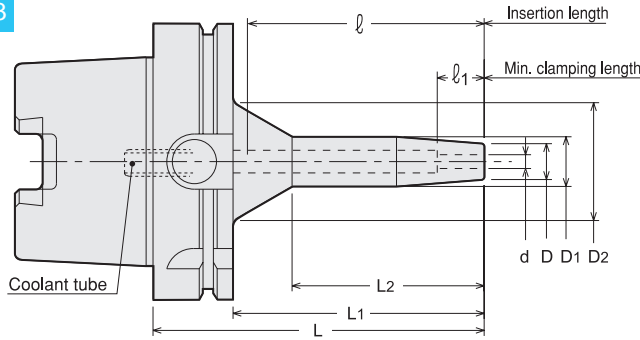
Type1



Type2



Type3



● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D	D1	D2	ℓ1	ℓ	
5640 51303045	HSK40A -SRE3A	-45	1	3	45	25	—	11.5	14.5	30	13	23
5640 51303060		-60	1	3	60	40	—	11.5	14.5	30	13	38
5640 51303090		-90	1	3	90	70	—	11.5	16.5	30	13	68
5640 51303115		-115	1	3	115	95	—	11.5	16.5	30	13	93
5640 51303135	HSK40A -SRE4A	-135	2	3	135	115	74	11.5	16.5	30	13	113
5640 51303150		-150	2	3	150	130	89	11.5	16.5	30	13	128
5640 51304045	HSK40A -SRE5A	-45	1	4	45	25	—	12	14.5	30	16	23
5640 51304060		-60	1	4	60	40	—	12	14.5	30	16	38
5640 51304090		-90	1	4	90	70	—	12	16.5	30	16	68
5640 51304115		-115	1	4	115	95	—	12	16.5	30	16	96
5640 51304135	HSK40A -SRE6A	-135	2	4	135	115	74	12	16.5	30	16	113
5640 51304150		-150	2	4	150	130	89	12	16.5	30	16	128
5640 51305045	HSK40A -SRE7A	-45	1	5	45	25	—	13	16	30	19	23
5640 51305060		-60	1	5	60	40	—	13	16	30	19	38
5640 51305090		-90	1	5	90	70	—	13	18	30	19	68
5640 51305115		-115	1	5	115	95	—	13	18	30	19	96
5640 51305135	HSK40A -SRE8A	-135	2	5	135	115	74	13	18	30	19	113
5640 51305150		-150	2	5	150	130	89	13	18	30	19	128
5640 51306045	HSK40A -SRE9A	-45	1	6	45	25	—	13	16	30	19	23
5640 51306060		-60	1	6	60	40	—	13	16	30	27	38
5640 51306090		-90	1	6	90	70	—	13	18	30	27	68
5640 51306115		-115	1	6	115	95	—	13	18	30	27	96
5640 51306135	HSK40A -SRE10A	-135	2	6	135	115	74	13	18	30	27	113
5640 51306150		-150	2	6	150	130	89	13	18	30	27	128
5640 51308045	HSK40A -SRE11A	-45	1	8	45	25	—	13	16	30	19	23
5640 51308060		-60	1	8	60	40	—	13	16	30	27	38
5640 51308090		-90	1	8	90	70	—	13	18	30	27	68
5640 51308115		-115	1	8	115	95	—	13	18	30	27	93
5640 51308135	HSK40A -SRE12A	-135	2	8	135	115	74	13	18	30	27	113
5640 51308150		-150	2	8	150	130	89	13	18	30	27	128

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D	D1	D2	ℓ1	ℓ
5640 51403050	HSK50A -SRE3A -50	1	3	50	24	—	11.5	14.5	30	13	23
5640 51403070	-70	1	3	70	44	—	11.5	14.5	30	13	43
5640 51403090	-90	1	3	90	64	—	11.5	16.5	30	13	63
5640 51403115	-115	1	3	115	89	—	11.5	16.5	30	13	88
5640 51403135	-135	2	3	135	109	74	11.5	16.5	30	13	108
5640 51403150	-150	2	3	150	124	89	11.5	16.5	30	13	123
5640 51404050	HSK50A -SRE4A -50	1	4	50	24	—	12	14.5	30	16	23
5640 51404070	-70	1	4	70	44	—	12	14.5	30	16	43
5640 51404090	-90	1	4	90	64	—	12	16.5	30	16	63
5640 51404115	-115	1	4	115	89	—	12	16.5	30	16	88
5640 51404135	-135	2	4	135	109	74	12	16.5	30	16	108
5640 51404150	-150	2	4	150	124	89	12	16.5	30	16	123
5640 51405050	HSK50A -SRE5A -50	1	5	50	24	—	13	16	30	19	23
5640 51405070	-70	1	5	70	44	—	13	16	30	19	43
5640 51405090	-90	1	5	90	64	—	13	18	30	19	63
5640 51405115	-115	1	5	115	89	—	13	18	30	19	88
5640 51405135	-135	2	5	135	109	74	13	18	30	19	108
5640 51405150	-150	2	5	150	124	89	13	18	30	19	123
5640 51406050	HSK50A -SRE6A -50	1	6	50	24	—	13	16	30	19	23
5640 51406070	-70	1	6	70	44	—	13	16	30	27	43
5640 51406090	-90	1	6	90	64	—	13	18	30	27	63
5640 51406115	-115	1	6	115	89	—	13	18	30	27	88
5640 51406135	-135	2	6	135	109	74	13	18	30	27	108
5640 51406150	-150	2	6	150	124	89	13	18	30	27	123
5640 51408050	HSK50A -SRE8A -50	1	8	50	24	—	13	16	30	19	23
5640 51408070	-70	1	8	70	44	—	13	16	30	27	43
5640 51408090	-90	1	8	90	64	—	13	18	30	27	63
5640 51408115	-115	1	8	115	89	—	13	18	30	27	88
5640 51408135	-135	2	8	135	109	74	13	18	30	27	108
5640 51408150	-150	2	8	150	124	89	13	18	30	27	123
5640 51503050	HSK63A -SRE3A -50	1	3	50	24	—	12	14.5	30	13	26
5640 51503070	-70	1	3	70	44	—	12	14.5	30	13	46
5640 51503090	-90	1	3	90	64	—	12	16.5	30	13	66
5640 51503120	-120	1	3	120	94	—	12	16.5	30	13	96
5640 51503135	-135	2	3	135	109	59	12	16.5	30	13	111
5640 51503165	-165	2	3	165	139	89	12	16.5	30	13	141
5640 51504050	HSK63A -SRE4A -50	1	4	50	24	—	12	14.5	30	16	26
5640 51504070	-70	1	4	70	44	—	12	14.5	30	16	46
5640 51504090	-90	1	4	90	64	—	12	16.5	30	16	66
5640 51504120	-120	1	4	120	94	—	12	16.5	30	16	96
5640 51504135	-135	2	4	135	109	59	12	16.5	30	16	111
5640 51504165	-165	2	4	165	139	89	12	16.5	30	16	141
5640 51505050	HSK63A -SRE5A -50	1	5	50	24	—	13	16	30	19	26
5640 51505070	-70	1	5	70	44	—	13	16	30	19	46
5640 51505090	-90	1	5	90	64	—	13	18	30	19	66
5640 51505120	-120	1	5	120	94	—	13	18	30	19	96
5640 51505135	-135	2	5	135	109	59	13	18	30	19	111
5640 51505165	-165	2	5	165	139	89	13	18	30	19	141
5640 51506050	HSK63A -SRE6A -50	1	6	50	24	—	13	16	30	19	26
5640 51506070	-70	1	6	70	44	—	13	16	30	27	46
5640 51506090	-90	1	6	90	64	—	13	18	30	27	66
5640 51506120	-120	1	6	120	94	—	13	18	30	27	96
5640 51506135	-135	2	6	135	109	59	13	18	30	27	111
5640 51506165	-165	2	6	165	139	89	13	18	30	27	141
5640 51508050	HSK63A -SRE8A -50	1	8	50	24	—	13	16	30	19	26
5640 51508070	-70	1	8	70	44	—	13	16	30	27	46
5640 51508090	-90	1	8	90	64	—	13	18	30	27	66
5640 51508120	-120	1	8	120	94	—	13	18	30	27	96
5640 51508135	-135	2	8	135	109	59	13	18	30	27	111
5640 51508165	-165	2	8	165	139	89	13	18	30	27	141

1. Always use carbide shank tools with h6 tolerance.
2. Center through coolant is not possible with SRE3A and SRE4A.

Heating device chart		
heating device	chuck	
	L1 ≤ 60mm	L1 > 60mm
ISG3400	Yes *	Yes
SRK-HA1, HB2	No	No

*Special induction coil is needed. Refer to P.500-501.

Ordering Example

HSK40A - SRE 6 A - 45

Shank size

I.D. (d)

Projection length (L)



Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	L2	D	D1	D2	ℓ1	ℓ
5640 51703090	HSK100A -SRE3A -90	3	3	90	61	39	11.5	16.5	41	13	59
5640 51703120	-120	3	3	120	91	69	11.5	16.5	41	13	89
5640 51703150	-150	2	3	150	121	59	11.5	16.5	45	13	119
5640 51703180	-180	2	3	180	151	89	11.5	16.5	45	13	149
5640 51704090	HSK100A -SRE4A -90	3	4	90	61	39	12	16.5	41	16	59
5640 51704120	-120	3	4	120	91	69	12	16.5	41	16	89
5640 51704150	-150	2	4	150	121	59	12	16.5	45	16	119
5640 51704180	-180	2	4	180	151	89	12	16.5	45	16	149
5640 51705090	HSK100A -SRE5A -90	3	5	90	61	39	13	18	42	19	59
5640 51705120	-120	3	5	120	91	69	13	18	42	19	89
5640 51705150	-150	2	5	150	121	59	13	18	45	19	119
5640 51705180	-180	2	5	180	151	89	13	18	45	19	149
5640 51706090	HSK100A -SRE6A -90	3	6	90	61	39	13	18	42	19	59
5640 51706120	-120	3	6	120	91	69	13	18	42	27	89
5640 51706150	-150	2	6	150	121	59	13	18	45	27	119
5640 51706180	-180	2	6	180	151	89	13	18	45	27	149
5640 51708090	HSK100A -SRE8A -90	3	8	90	61	39	13	18	42	19	59
5640 51708120	-120	3	8	120	91	69	13	18	42	27	89
5640 51708150	-150	2	8	150	121	59	13	18	45	27	119
5640 51708180	-180	2	8	180	151	89	13	18	45	27	149

1. Always use carbide shank tools with h6 tolerance.
2. Center through coolant is not possible with SRE3A and SRE4A.

Heating device chart		
heating device	chuck	
	L1 ≤ 60mm	L1 > 60mm
ISG3400	Yes *	Yes
SRK-HA1, HB2	No	No

*Special induction coil is needed. Refer to P.500-501.

Ordering Example

HSK100A - SRE 3 A - 90
 Shank size I.D. (d) Projection length (L)

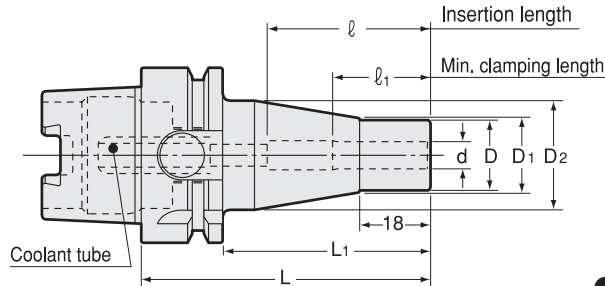
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R"-Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions



SRK

Shrink Fit (Heavy Type)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision, rigidity and strong chucking. (Heavy Type)



- Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	D1	D2	l ₁	l	kg
5640 13106080	HSK40A -SRK6A -80	6	80	60	16	17	30	26	26 ~ 36	0.4
5640 13108080	HSK40A -SRK8A -80	8	80	60	19	20	32	26	26 ~ 50	0.4
5640 13010080	HSK40A -SRK10A -80	10	80	60	24	25	34	32	32 ~ 50	0.6
5640 13012090	HSK40A -SRK12A -90	12	90	70	28	29	34	37	37 ~ 70	0.6
5640 13016090	HSK40A -SRK16A -90	16	90	70	32	33	34	40	40 ~ 70	0.7
5640 14106080	HSK50A -SRK6A -80	6	80	54	16	17	30	26	26 ~ 36	0.7
5640 14108080	HSK50A -SRK8A -80	8	80	54	19	20	32	26	26 ~ 50	0.7
5640 14010085	HSK50A -SRK10A -85	10	85	59	24	25	34	32	32 ~ 50	0.8
5640 14012090	HSK50A -SRK12A -90	12	90	64	28	29	34	37	37 ~ 65	0.8
5640 14016095	HSK50A -SRK16A -95	16	95	69	32	33	34	40	40 ~ 70	0.8
5640 14020100	HSK50A -SRK20A -100	20	100	74	36	37	42	42	42 ~ 75	1.0
5640 15106080	HSK63A -SRK6A -80	6	80	54	16	17	30	26	26 ~ 36	0.9
5640 15108080	HSK63A -SRK8A -80	8	80	54	19	20	32	26	26 ~ 50	0.9
5640 15010085	HSK63A -SRK10A -85	10	85	59	24	25	34	32	32 ~ 50	1.0
5640 15012090	HSK63A -SRK12A -90	12	90	64	28	29	34	37	37 ~ 63	1.0
5640 15016095	HSK63A -SRK16A -95	16	95	69	32	33	34	40	40 ~ 65	1.1
5640 15020100	HSK63A -SRK20A -100	20	100	74	36	37	42	42	42 ~ 72	1.3
5640 15025115	HSK63A -SRK25A -115	25	115	89	46	47	53	48	48 ~ 89	1.8
5640 17106085	HSK100A -SRK6A -85	6	85	56	16	17	30	26	26 ~ 36	1.2
5640 17108085	HSK100A -SRK8A -85	8	85	56	19	20	32	26	26 ~ 50	1.2
5640 17010090	HSK100A -SRK10A -90	10	90	61	24	25	34	32	32 ~ 50	1.3
5640 17012095	HSK100A -SRK12A -95	12	95	66	28	29	34	37	37 ~ 62	1.3
5640 17016100	HSK100A -SRK16A -100	16	100	71	32	33	34	40	40 ~ 65	1.4
5640 17020105	HSK100A -SRK20A -105	20	105	76	36	37	42	42	42 ~ 70	1.7
5640 17025115	HSK100A -SRK25A -115	25	115	86	46	47	53	48	48 ~ 80	2.2
5640 17032120	HSK100A -SRK32A -120	32	120	91	56	57	70	51	51 ~ 85	3.0

Always use carbide shank tools with h6 tolerance.

Heating device chart		
heating device	chuck	
	SRK6A, SRK8A	SRK10A~SRK32A
ISG3400	Yes	Yes *
SRK-HA1, HB2	No	Yes

*Special induction coil is needed. Refer to P.500-501.

Ordering Example

HSK40A - SRK 12 A - 90

Shank size

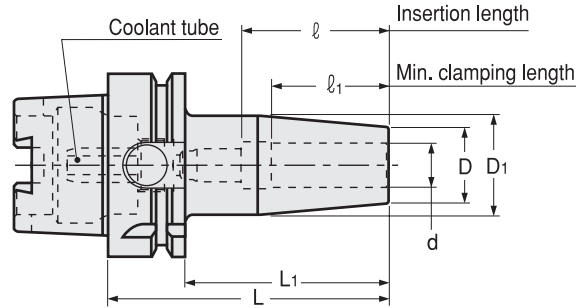
I.D. (d)

Projection length (L)

SRD

Shrink Fit (DIN Standard)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision, rigidity and strong chucking. (DIN Type)



- Coolant tube is included.

Inch Sizes		Unit : Inch							
Code	Model	d	L	L1	D	D1	l1	l	
5640 43308080	HSK40A -SRD0250 A -80	0.250	3.150	2.362	0.827	1.063	1.024	1.417	
5640 43308120	-120	0.250	4.724	3.937	0.827	1.063	1.024	1.417	
5640 43308160	-160	0.250	6.299	5.512	0.827	1.063	1.024	1.417	
5640 43310080	HSK40A -SRD0312 A -80	0.312	3.150	2.362	0.827	1.063	1.024	1.417	
5640 43310120	-120	0.312	4.724	3.937	0.827	1.063	1.024	1.969	
5640 43310160	-160	0.312	6.299	5.512	0.827	1.063	1.024	1.969	
5640 43312080	HSK40A -SRD0375 A -80	0.375	3.150	2.362	0.945	1.260	1.260	1.654	
5640 43312120	-120	0.375	4.724	3.937	0.945	1.260	1.260	1.969	
5640 43312160	-160	0.375	6.299	5.512	0.945	1.260	1.260	1.969	
5640 43316090	HSK40A -SRD0500 A -90	0.500	3.543	2.756	0.945	1.260	1.457	1.850	
5640 43316120	-120	0.500	4.724	3.937	0.945	1.260	1.457	2.756	
5640 43316160	-160	0.500	6.299	5.512	0.945	1.260	1.457	2.756	
5640 43320090	HSK40A -SRD0625 A -90	0.625	3.543	2.756	1.063	1.339	1.575	1.969	
5640 43320120	-120	0.625	4.724	3.937	1.063	1.339	1.575	2.756	
5640 43320160	-160	0.625	6.299	5.512	1.063	1.339	1.575	2.756	
5640 43508080	HSK63A -SRD0250 A -80	0.250	3.150	2.126	0.827	1.063	1.024	1.417	
5640 43508120	-120	0.250	4.724	3.701	0.827	1.063	1.024	1.417	
5640 43508160	-160	0.250	6.299	5.276	0.827	1.063	1.024	1.417	
5640 43510080	HSK63A -SRD0312 A -80	0.312	3.150	2.126	0.827	1.063	1.024	1.417	
5640 43510120	-120	0.312	4.724	3.701	0.827	1.063	1.024	1.969	
5640 43510160	-160	0.312	6.299	5.276	0.827	1.063	1.024	1.969	
5640 43512085	HSK63A -SRD0375 A -85	0.375	3.346	2.323	0.945	1.260	1.260	1.654	
5640 43512120	-120	0.375	4.724	3.701	0.945	1.260	1.260	1.969	
5640 43512160	-160	0.375	6.299	5.276	0.945	1.260	1.260	1.969	
5640 43516090	HSK63A -SRD0500 A -90	0.500	3.543	2.520	0.945	1.260	1.457	1.850	
5640 43516120	-120	0.500	4.724	3.701	0.945	1.260	1.457	2.756	
5640 43516160	-160	0.500	6.299	5.276	0.945	1.260	1.457	2.756	
5640 43520095	HSK63A -SRD0625 A -95	0.625	3.740	2.717	1.063	1.339	1.575	1.969	
5640 43520120	-120	0.625	4.724	3.701	1.063	1.339	1.575	2.756	
5640 43520160	-160	0.625	6.299	5.276	1.063	1.339	1.575	3.150	
5640 43524095	HSK63A -SRD0750 A -95	0.750	3.740	2.717	1.299	1.654	1.575	1.969	
5640 43524120	-120	0.750	4.724	3.701	1.299	1.654	1.575	2.756	
5640 43524160	-160	0.750	6.299	5.276	1.299	1.654	1.575	3.150	
5640 43528100	HSK63A -SRD0875 A -100	0.875	3.937	2.913	1.299	1.654	1.654	2.047	
5640 43528160	-160	0.875	6.299	5.276	1.299	1.654	1.654	3.583	
5640 43532115	HSK63A -SRD1000 A -115	1.000	4.528	3.504	1.732	2.087	1.890	2.047	
5640 43532160	-160	1.000	6.299	5.276	1.732	2.087	1.890	3.583	
5640 43540120	HSK63A -SRD1250 A -120	1.250	4.724	3.701	1.732	2.087	1.890	2.441	
5640 43540160	-160	1.250	6.299	5.276	1.732	2.087	1.890	3.819	

Inch Sizes Unit : Inch

Code	Model	d	L	L1	D	D1	ℓ1	ℓ
5640 43708085	HSK100A -SRD0250 A -85	0.250	3.346	2.205	0.827	1.063	1.024	1.417
5640 43708120	-120	0.250	4.724	3.583	0.827	1.063	1.024	1.417
5640 43708160	-160	0.250	6.299	5.157	0.827	1.063	1.024	1.417
5640 43710085	HSK100A -SRD0312 A -85	0.312	3.346	2.205	0.827	1.063	1.024	1.417
5640 43710120	-120	0.312	4.724	3.583	0.827	1.063	1.024	1.969
5640 43710160	-160	0.312	6.299	5.157	0.827	1.063	1.024	1.969
5640 43712090	HSK100A -SRD0375 A -90	0.375	3.543	2.402	0.945	1.260	1.260	1.654
5640 43712120	-120	0.375	4.724	3.583	0.945	1.260	1.260	1.969
5640 43712160	-160	0.375	6.299	5.157	0.945	1.260	1.260	1.969
5640 43716095	HSK100A -SRD0500 A -95	0.500	3.740	2.598	0.945	1.260	1.457	1.850
5640 43716120	-120	0.500	4.724	3.583	0.945	1.260	1.457	2.756
5640 43716160	-160	0.500	6.299	5.157	0.945	1.260	1.457	2.756
5640 43720100	HSK100A -SRD0625 A -100	0.625	3.937	2.795	1.063	1.339	1.575	1.969
5640 43720160	-160	0.625	6.299	5.157	1.063	1.339	1.575	3.150
5640 43724100	HSK100A -SRD0750 A -100	0.750	3.937	2.795	1.299	1.654	1.575	1.969
5640 43724160	-160	0.750	6.299	5.157	1.299	1.654	1.575	3.150
5640 43728105	HSK100A -SRD0875 A -105	0.875	4.134	2.992	1.299	1.654	1.654	1.969
5640 43728160	-160	0.875	6.299	5.157	1.299	1.654	1.654	3.150
5640 43732115	HSK100A -SRD1000 A -115	1.000	4.528	3.386	1.732	2.087	1.890	2.283
5640 43732160	-160	1.000	6.299	5.157	1.732	2.087	1.890	3.661
5640 43740120	HSK100A -SRD1250 A -120	1.250	4.724	3.583	1.732	2.087	1.890	2.283
5640 43740160	-160	1.250	6.299	5.157	1.732	2.087	1.890	3.661
5640 43748120	HSK100A -SRD1500 A -120	1.500	4.724	3.583	1.732	2.087	1.890	2.283
5640 43748160	-160	1.500	6.299	5.157	1.732	2.087	1.890	3.661

Always use carbide shank tools with h6 tolerance.

Heating device chart		
heating device	chuck	
	SRD0250A, SRD0312A	SRD0375A~SRD1500A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

HSK40A - SRD 0250 A - 120
 Shank size I.D. (d) Projection length (L)

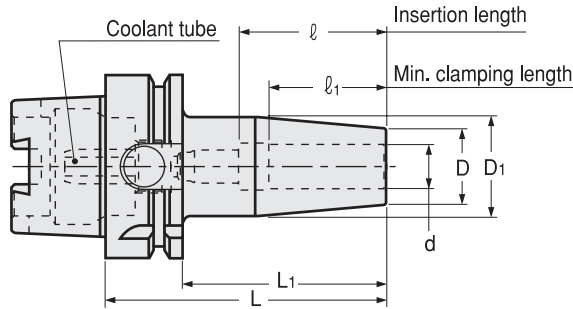
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R" Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions



SRD

Shrink Fit (DIN Standard)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision, rigidity and strong chucking. (DIN Type)



● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	D1	l1	l	kg
5640 41306080	HSK40A -SRD6A -80	6	80	60	21	27	26	26 ~ 36	
5640 41306120	-120	6	120	100	21	27	26	26 ~ 36	
5640 41306160	-160	6	160	140	21	27	26	26 ~ 36	
5640 41308080	HSK40A -SRD8A -80	8	80	60	21	27	26	26 ~ 36	
5640 41308120	-120	8	120	100	21	27	26	26 ~ 50	
5640 41308160	-160	8	160	140	21	27	26	26 ~ 50	
5640 41310080	HSK40A -SRD10A -80	10	80	60	24	32	32	32 ~ 42	
5640 41310120	-120	10	120	100	24	32	32	32 ~ 50	
5640 41310160	-160	10	160	140	24	32	32	32 ~ 50	
5640 41312090	HSK40A -SRD12A -90	12	90	70	24	32	37	37 ~ 47	
5640 41312120	-120	12	120	100	24	32	37	37 ~ 70	
5640 41312160	-160	12	160	140	24	32	37	37 ~ 70	
5640 41314090	HSK40A -SRD14A -90	14	90	70	27	34	37	37 ~ 47	
5640 41314120	-120	14	120	100	27	34	37	37 ~ 70	
5640 41314160	-160	14	160	140	27	34	37	37 ~ 70	
5640 41316090	HSK40A -SRD16A -90	16	90	70	27	34	40	40 ~ 50	
5640 41316120	-120	16	120	100	27	34	40	40 ~ 70	
5640 41316160	-160	16	160	140	27	34	40	40 ~ 70	
5640 41506080	HSK63A -SRD6A -80	6	80	54	21	27	26	26 ~ 36	
5640 41506120	-120	6	120	94	21	27	26	26 ~ 36	
5640 41506160	-160	6	160	134	21	27	26	26 ~ 36	
5640 41508080	HSK63A -SRD8A -80	8	80	54	21	27	26	26 ~ 36	
5640 41508120	-120	8	120	94	21	27	26	26 ~ 50	1.1
5640 41508160	-160	8	160	134	21	27	26	26 ~ 50	
5640 41510085	HSK63A -SRD10A -85	10	85	59	24	32	32	32 ~ 42	
5640 41510120	-120	10	120	94	24	32	32	32 ~ 50	1.2
5640 41510160	-160	10	160	134	24	32	32	32 ~ 50	
5640 41512090	HSK63A -SRD12A -90	12	90	64	24	32	37	37 ~ 47	
5640 41512120	-120	12	120	94	24	32	37	37 ~ 70	1.1
5640 41512160	-160	12	160	134	24	32	37	37 ~ 70	
5640 41514090	HSK63A -SRD14A -90	14	90	64	27	34	37	37 ~ 47	
5640 41514120	-120	14	120	94	27	34	37	37 ~ 70	1.2
5640 41514160	-160	14	160	134	27	34	37	37 ~ 70	
5640 41516095	HSK63A -SRD16A -95	16	95	69	27	34	40	40 ~ 50	
5640 41516120	-120	16	120	94	27	34	40	40 ~ 70	
5640 41516160	-160	16	160	134	27	34	40	40 ~ 80	1.2
5640 41518095	HSK63A -SRD18A -95	18	95	69	33	42	40	40 ~ 50	
5640 41518120	-120	18	120	94	33	42	40	40 ~ 70	
5640 41518160	-160	18	160	134	33	42	40	40 ~ 80	
5640 41520100	HSK63A -SRD20A -100	20	100	74	33	42	42	42 ~ 52	
5640 41520160	-160	20	160	134	33	42	42	42 ~ 91	
5640 41525115	HSK63A -SRD25A -115	25	115	89	44	53	48	48 ~ 62	1.8
5640 41525160	-160	25	160	134	44	53	48	48 ~ 97	
5640 41532120	HSK63A -SRD32A -120	32	120	94	44	53	52	52 ~ 62	1.7
5640 41532160	-160	32	160	134	44	53	52	52 ~ 97	

Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	D1	ℓ1	ℓ	kg
5640 41706085	HSK100A -SRD6A -85	6	85	56	21	27	26	26 ~ 36	
5640 41706120	-120	6	120	91	21	27	26	26 ~ 36	
5640 41706160	-160	6	160	131	21	27	26	26 ~ 36	
5640 41708085	HSK100A -SRD8A -85	8	85	56	21	27	26	26 ~ 36	
5640 41708120	-120	8	120	91	21	27	26	26 ~ 50	
5640 41708160	-160	8	160	131	21	27	26	26 ~ 50	
5640 41710090	HSK100A -SRD10A -90	10	90	61	24	32	32	32 ~ 42	
5640 41710120	-120	10	120	91	24	32	32	32 ~ 50	
5640 41710160	-160	10	160	131	24	32	32	32 ~ 50	
5640 41712095	HSK100A -SRD12A -95	12	95	66	24	32	37	37 ~ 47	
5640 41712120	-120	12	120	91	24	32	37	37 ~ 65	
5640 41712160	-160	12	160	131	24	32	37	37 ~ 70	
5640 41714095	HSK100A -SRD14A -95	14	95	66	27	34	37	37 ~ 47	
5640 41714120	-120	14	120	91	27	34	37	37 ~ 65	
5640 41714160	-160	14	160	131	27	34	37	37 ~ 70	
5640 41716100	HSK100A -SRD16A -100	16	100	71	27	34	40	40 ~ 50	
5640 41716160	-160	16	160	131	27	34	40	40 ~ 80	
5640 41718100	HSK100A -SRD18A -100	18	100	71	33	42	40	40 ~ 50	
5640 41718160	-160	18	160	131	33	42	40	40 ~ 80	
5640 41720105	HSK100A -SRD20A -105	20	105	76	33	42	42	42 ~ 52	
5640 41720160	-160	20	160	131	33	42	42	42 ~ 91	
5640 41725115	HSK100A -SRD25A -115	25	115	86	44	53	48	48 ~ 58	
5640 41725160	-160	25	160	131	44	53	48	48 ~ 93	
5640 41732120	HSK100A -SRD32A -120	32	120	91	44	53	52	52 ~ 62	
5640 41732160	-160	32	160	131	44	53	52	52 ~ 93	

Always use carbide shank tools with h6 tolerance.

Heating device chart		
heating device	chuck	
	SRD6A, SRD8A	SRD10A~SRD32A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

HSK40A - SRD 6 A - 120
 Shank size I.D. (d) Projection length (L)

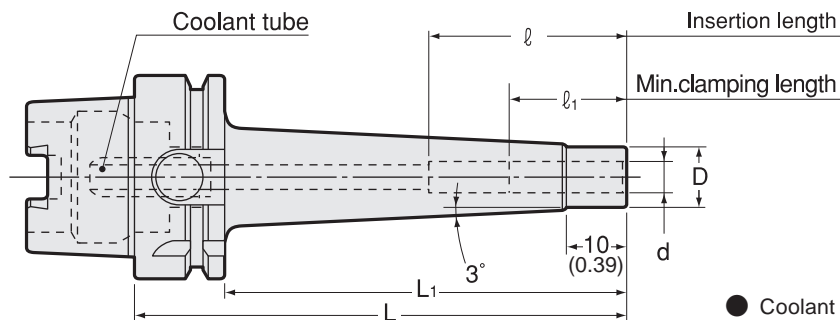
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R" Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions



SRS

Shrink Fit (Slim Type)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Slim Type)



● Coolant tube is included.

Inch Sizes

Unit : Inch

Code	Model	d (mm)	L	L1	D	l1	l
5640 33308090	HSK40A -SRS0250A -90	0.250	3.543	2.756	0.354	1.024	1.417
5640 33308120	-120	0.250	4.724	3.937	0.354	1.024	1.417
5640 33310090	HSK40A -SRS0312A -90	0.312	3.543	2.756	0.433	1.024	1.969
5640 33310120	-120	0.312	4.724	3.937	0.433	1.024	1.969
5640 33312090	HSK40A -SRS0375A -90	0.375	3.543	2.756	0.512	1.260	1.969
5640 33312120	-120	0.375	4.724	3.937	0.512	1.260	1.969
5640 33316090	HSK40A -SRS0500A -90	0.500	3.543	2.756	0.591	1.457	2.756
5640 33316120	-120	0.500	4.724	3.937	0.591	1.457	2.756
5640 33320090	HSK40A -SRS0625A -90	0.625	3.543	2.756	0.787	1.575	2.756
5640 33320120	-120	0.625	4.724	3.937	0.787	1.575	3.150
5640 33508105	HSK63A -SRS0250A -105	0.250	4.134	3.110	0.354	1.024	1.417
5640 33508135	-135	0.250	5.315	4.291	0.354	1.024	1.417
5640 33508165	-165	0.250	6.496	5.472	0.354	1.024	1.417
5640 33510105	HSK63A -SRS0312A -105	0.312	4.134	3.110	0.433	1.024	1.969
5640 33510135	-135	0.312	5.315	4.291	0.433	1.024	1.969
5640 33510165	-165	0.312	6.496	5.472	0.433	1.024	1.969
5640 33512105	HSK63A -SRS0375A -105	0.375	4.134	3.110	0.512	1.260	1.969
5640 33512135	-135	0.375	5.315	4.291	0.512	1.260	1.969
5640 33512165	-165	0.375	6.496	5.472	0.512	1.260	1.969
5640 33516105	HSK63A -SRS0500A -105	0.500	4.134	3.110	0.591	1.457	2.756
5640 33516135	-135	0.500	5.315	4.291	0.591	1.457	2.756
5640 33516165	-165	0.500	6.496	5.472	0.591	1.457	2.756
5640 33520105	HSK63A -SRS0625A -105	0.625	4.134	3.110	0.787	1.575	2.953
5640 33520135	-135	0.625	5.315	4.291	0.787	1.575	3.150
5640 33520165	-165	0.625	6.496	5.472	0.787	1.575	3.150
5640 33524105	HSK63A -SRS0750A -105	0.750	4.134	3.110	1.024	1.654	2.953
5640 33524135	-135	0.750	5.315	4.291	1.024	1.654	3.937
5640 33524165	-165	0.750	6.496	5.472	1.024	1.654	3.937
5640 33708105	HSK100A -SRS0250A -105	0.250	4.134	2.795	0.354	1.024	1.417
5640 33708135	-135	0.250	5.315	3.976	0.354	1.024	1.417
5640 33708165	-165	0.250	6.496	5.157	0.354	1.024	1.417
5640 33710105	HSK100A -SRS0312A -105	0.312	4.134	2.795	0.433	1.024	1.969
5640 33710135	-135	0.312	5.315	3.976	0.433	1.024	1.969
5640 33710165	-165	0.312	6.496	5.157	0.433	1.024	1.969
5640 33712105	HSK100A -SRS0375A -105	0.375	4.134	2.795	0.512	1.260	1.969
5640 33712135	-135	0.375	5.315	3.976	0.512	1.260	1.969
5640 33712165	-165	0.375	6.496	5.157	0.512	1.260	1.969
5640 33712195	-195	0.375	7.677	6.339	0.512	1.260	1.969
5640 33716105	HSK100A -SRS0500A -105	0.500	4.134	2.795	0.591	1.457	2.756
5640 33716135	-135	0.500	5.315	3.976	0.591	1.457	2.756
5640 33716165	-165	0.500	6.496	5.157	0.591	1.457	2.756
5640 33716195	-195	0.500	7.677	6.339	0.591	1.457	2.756
5640 33720105	HSK100A -SRS0625A -105	0.625	4.134	2.795	0.787	1.575	2.756
5640 33720135	-135	0.625	5.315	3.976	0.787	1.575	3.150
5640 33720165	-165	0.625	6.496	5.157	0.787	1.575	3.150
5640 33720195	-195	0.625	7.677	6.339	0.787	1.575	3.150
5640 33724105	HSK100A -SRS0750A -105	0.750	4.134	2.795	1.024	1.654	2.756
5640 33724135	-135	0.750	5.315	3.976	1.024	1.654	3.937
5640 33724165	-165	0.750	6.496	5.157	1.024	1.654	3.937
5640 33724195	-195	0.750	7.677	6.339	1.024	1.654	3.937

Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	ℓ1	ℓ	kg
5640 31306090	HSK40A -SRS6A -90	6	90	70	9	26	26 ~ 36	0.5
5640 31306120	-120	6	120	100	9	26	26 ~ 36	0.5
5640 31308090	HSK40A -SRS8A -90	8	90	70	11	26	26 ~ 50	0.5
5640 31308120	-120	8	120	100	11	26	26 ~ 50	0.5
5640 31310090	HSK40A -SRS10A -90	10	90	70	13	32	32 ~ 50	0.5
5640 31310120	-120	10	120	100	13	32	32 ~ 50	0.5
5640 31312090	HSK40A -SRS12A -90	12	90	70	15	37	37 ~ 70	0.5
5640 31312120	-120	12	120	100	15	37	37 ~ 70	0.6
5640 31316090	HSK40A -SRS16A -90	16	90	70	20	40	40 ~ 70	0.6
5640 31316120	-120	16	120	100	20	40	40 ~ 80	0.6
5640 31406090	HSK50A -SRS6A -90	6	90	64	9	26	26 ~ 36	0.6
5640 31406120	-120	6	120	94	9	26	26 ~ 36	0.6
5640 31408090	HSK50A -SRS8A -90	8	90	64	11	26	26 ~ 50	0.6
5640 31408120	-120	8	120	94	11	26	26 ~ 50	0.6
5640 31410090	HSK50A -SRS10A -90	10	90	64	13	32	32 ~ 50	0.7
5640 31410120	-120	10	120	94	13	32	32 ~ 50	0.7
5640 31412090	HSK50A -SRS12A -90	12	90	64	15	37	37 ~ 65	0.7
5640 31412120	-120	12	120	94	15	37	37 ~ 70	0.8
5640 31416105	HSK50A -SRS16A -105	16	105	79	20	40	40 ~ 80	0.8
5640 31416135	-135	16	135	109	20	40	40 ~ 80	0.9
5640 31420105	HSK50A -SRS20A -105	20	105	79	26	42	42 ~ 80	0.9
5640 31420135	-135	20	135	109	26	42	42 ~ 100	1.0
5640 31506105	HSK63A -SRS6A -105	6	105	79	9	26	26 ~ 36	0.7
5640 31506135	-135	6	135	109	9	26	26 ~ 36	0.7
5640 31506165	-165	6	165	139	9	26	26 ~ 36	0.7
5640 31508105	HSK63A -SRS8A -105	8	105	79	11	26	26 ~ 50	0.8
5640 31508135	-135	8	135	109	11	26	26 ~ 50	0.8
5640 31508165	-165	8	165	139	11	26	26 ~ 50	0.8
5640 31510105	HSK63A -SRS10A -105	10	105	79	13	32	32 ~ 50	0.9
5640 31510135	-135	10	135	109	13	32	32 ~ 50	1.0
5640 31510165	-165	10	165	139	13	32	32 ~ 50	1.1
5640 31512105	HSK63A -SRS12A -105	12	105	79	15	37	37 ~ 70	1.0
5640 31512135	-135	12	135	109	15	37	37 ~ 70	1.0
5640 31512165	-165	12	165	139	15	37	37 ~ 70	1.1
5640 31516105	HSK63A -SRS16A -105	16	105	79	20	40	40 ~ 75	1.2
5640 31516135	-135	16	135	109	20	40	40 ~ 80	1.3
5640 31516165	-165	16	165	139	20	40	40 ~ 80	1.5
5640 31520105	HSK63A -SRS20A -105	20	105	79	26	42	42 ~ 75	1.1
5640 31520135	-135	20	135	109	26	42	42 ~ 100	1.2
5640 31520165	-165	20	165	139	26	42	42 ~ 100	1.3
5640 31706105	HSK100A -SRS6A -105	6	105	71	9	26	26 ~ 36	2.2
5640 31706135	-135	6	135	101	9	26	26 ~ 36	2.2
5640 31706165	-165	6	165	131	9	26	26 ~ 36	2.2
5640 31708105	HSK100A -SRS8A -105	8	105	71	11	26	26 ~ 50	2.3
5640 31708135	-135	8	135	101	11	26	26 ~ 50	2.3
5640 31708165	-165	8	165	131	11	26	26 ~ 50	2.3
5640 31710105	HSK100A -SRS10A -105	10	105	71	13	32	32 ~ 50	2.4
5640 31710135	-135	10	135	101	13	32	32 ~ 50	2.4
5640 31710165	-165	10	165	131	13	32	32 ~ 50	2.6
5640 31710195	-195	10	195	161	13	32	32 ~ 50	2.6
5640 31712105	HSK100A -SRS12A -105	12	105	71	15	37	37 ~ 70	2.4
5640 31712135	-135	12	135	101	15	37	37 ~ 70	2.5
5640 31712165	-165	12	165	131	15	37	37 ~ 70	2.6
5640 31712195	-195	12	195	161	15	37	37 ~ 70	2.7
5640 31716105	HSK100A -SRS16A -105	16	105	71	20	40	40 ~ 70	2.5
5640 31716135	-135	16	135	101	20	40	40 ~ 80	2.6
5640 31716165	-165	16	165	131	20	40	40 ~ 80	2.8
5640 31716195	-195	16	195	161	20	40	40 ~ 80	2.9
5640 31720105	HSK100A -SRS20A -105	20	105	71	26	42	42 ~ 70	2.6
5640 31720135	-135	20	135	101	26	42	42 ~ 100	2.7
5640 31720165	-165	20	165	131	26	42	42 ~ 100	2.8
5640 31720195	-195	20	195	161	26	42	42 ~ 100	2.9

Always use carbide shank tools with h6 tolerance.

Heating device chart		
heating device	chuck	
	SRS0250A, SRS0312A SRS6A, SRS8A	SRS0375A~SRS0750A SRS10A~SRS20A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

HSK40A - SRS 12 A - 105
 Shank size I.D. (d) Projection length (L)

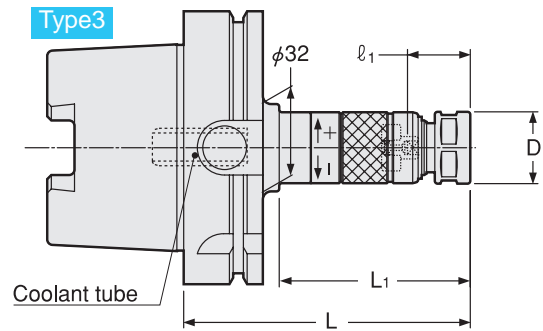
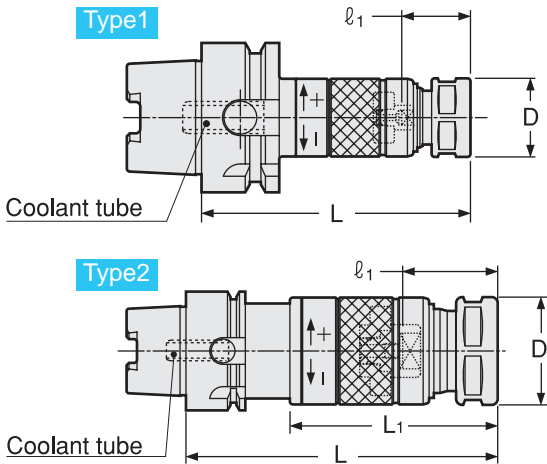


- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R"-Zero Holder
- Hydraulic Chuck
- Shank Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions

STM

Synchronous Tap Holder With Easy Tool Length Adjustment

● Projection length of the cutting tool can be adjusted by simply turning circumference of the holder.



⚠ For capable tap sizes, please refer to P.462-464 chart.

(NOTE) Nut O.D. of STM8 is 19mm.

STM Holder + Collet + STS Driver



● Coolant tube is included.

Unit : Metric

Code	Model	Type	Tap Size	L	L1	D	Nut	kg	Collet	Preset Driver	Spanner
5610 13000075	HSK40A -STM8 -75 *	1	Old JIS Taps M4~8	75	—	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
5610 13000090	-90	1	U No8~5/16	90	—	21	KDP-1414				
5610 13000005	-105	1	OSG Synchro Taps M4~6	105	—	21	KDP-1414				
5610 13000020	-120	1		120	—	21	KDP-1414				
5610 13100075	HSK40A -STM12 -75 *	1	Old JIS Taps M4~12	75	—	26	HTP-09		FSC-09	STS-12	S-1L
5610 13100090	-90	1	U No8~7/16 PT1/8	90	—	26	HTP-09				
5610 13100005	-105	1	OSG Synchro Taps M4~10	105	—	26	HTP-09				
5610 13100020	-120	1		120	—	26	HTP-09				
5610 13300005	HSK40A -STM18 -105	2	Old JIS Taps M14~18	105	70	36	HTP-16	0.6	FSC-16	STS-18	S-4L
5610 13300020	-120	2	U1/2~3/4 PT1/4~3/8	120	85	36	HTP-16				
5610 13300035	-135	2	OSG Synchro Taps M12~14	135	100	36	HTP-16				
5610 13300050	-150	2		150	115	36	HTP-16				
5610 14000075	HSK50A -STM8 -75 *	1	Old JIS Taps M4~8	75	—	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
5610 14000090	-90	1	U No8~5/16	90	—	21	KDP-1414	0.6			
5610 14000005	-105	1	OSG Synchro Taps M4~6	105	—	21	KDP-1414	0.6			
5610 14000020	-120	1		120	—	21	KDP-1414	0.6			
5610 14100090	HSK50A -STM12 -90	1	Old JIS Taps M4~12	90	—	26	HTP-09	0.6	FSC-09	STS-12	S-1L
5610 14100005	-105	1	U No8~7/16 PT1/8	105	—	26	HTP-09	0.7			
5610 14100020	-120	1	OSG Synchro Taps M4~10	120	—	26	HTP-09				
5610 14300005	HSK50A -STM18 -105	1	Old JIS Taps M14~18	105	—	36	HTP-16	0.8			
5610 14300020	-120	1	U1/2~3/4 PT1/4~3/8	120	—	36	HTP-16	0.9	FSC-16	STS-18	S-4L
5610 14300035	-135	1	OSG Synchro Taps M12~14	135	—	36	HTP-16	1.0			
5610 14300050	-150	1		150	—	36	HTP-16				
5610 15000075	HSK63A -STM8 -75 *	1	Old JIS Taps M4~8	75	—	21	KDP-1414				
5610 15000090	-90	1	U No8~5/16	90	—	21	KDP-1414				
5610 15000005	-105	1	OSG Synchro Taps M4~6	105	—	21	KDP-1414				
5610 15000020	-120	1		120	—	21	KDP-1414				
5610 15000035	-135	1		135	—	21	KDP-1414		FSC-09	STS-12	S-1L
5610 15000050	-150	1		150	—	21	KDP-1414				
5610 15100090	HSK63A -STM12 -90	1	Old JIS Taps M4~12	90	—	26	HTP-09	0.9			
5610 15100005	-105	1	U No8~7/16 PT1/8	105	—	26	HTP-09	0.9			
5610 15100020	-120	1	OSG Synchro Taps M4~10	120	—	26	HTP-09	1.0	FSC-16	STS-18	S-4L
5610 15100035	-135	1		135	—	26	HTP-09	1.0			
5610 15100050	-150	1		150	—	26	HTP-09	1.1			
5610 15100080	-180	1		180	—	26	HTP-09	1.2			
5610 15300005	HSK63A -STM18 -105	1	Old JIS Taps M14~18	105	—	36	HTP-16	1.1	FSC-22	STS-30	S-5L
5610 15300020	-120	1	U1/2~3/4 PT1/4~3/8	120	—	36	HTP-16	1.2			
5610 15300035	-135	1	OSG Synchro Taps M12~14	135	—	36	HTP-16	1.3			
5610 15300050	-150	1		150	—	36	HTP-16	1.4			
5610 15300080	-180	1		180	—	36	HTP-16		FDC-07	STS-8	Flat 17mm width
5610 15400020	HSK63A -STM30 -120	1	Old JIS Taps M20~30	120	—	46	HTP-22	1.4			
5610 15400035	-135	1	U7/8~1-1/8 PT1/2~3/4	135	—	46	HTP-22				
5610 15400050	-150	1	OSG Synchro Taps M16~27	150	—	46	HTP-22				
5610 15400080	-180	1		180	—	46	HTP-22				
5610 17000090	HSK100A -STM8 -90 *	3	Old JIS Taps M4~8	90	53	21	KDP-1414		FDC-07	STS-8	Flat 17mm width
5610 17000005	-105	3	U No8~5/16	105	68	21	KDP-1414				
5610 17000020	-120	3	OSG Synchro Taps M4~6	120	83	21	KDP-1414				
5610 17000035	-135	3		135	98	21	KDP-1414				
5610 17000050	-150	3		150	113	21	KDP-1414				
5610 17000065	-165	3		165	128	21	KDP-1414				

Code	Model	Type	Tap Size	L	L1	D	Nut	kg	Collet	Preset Driver	Spanner
5610 17100090	HSK100A -STM12 -90 *	3	Old JIS Taps M4~12 U No8~7/16 PT1/8 OSG Synchro Taps M4~10	90	53	26	HTP-09	2.3	FSC-09	STS-12	S-1L
5610 17100005	-105	3		105	68	26	HTP-09				
5610 17100020	-120	3		120	83	26	HTP-09				
5610 17100035	-135	3		135	98	26	HTP-09				
5610 17100050	-150	3		150	113	26	HTP-09				
5610 17100080	-180	3	180	143	26	HTP-09					
5610 17300005	HSK100A -STM18 -105	1	Old JIS Taps M14~18 U1/2~3/4 PT1/4~3/8 OSG Synchro Taps M12~14	105	-	36	HTP-16	2.4	FSC-16	STS-18	S-4L
5610 17300020	-120	1		120	-	36	HTP-16				
5610 17300035	-135	1		135	-	36	HTP-16				
5610 17300050	-150	1		150	-	36	HTP-16				
5610 17300080	-180	1		180	-	36	HTP-16				
5610 17400020	HSK100A -STM30 -120	1	Old JIS Taps M20~30 U7/8~1-1/8 PT1/2~3/4 OSG Synchro Taps M16~27	120	-	46	HTP-22	2.7	FSC-22	STS-30	S-5L
5610 17400035	-135	1		135	-	46	HTP-22				
5610 17400050	-150	1		150	-	46	HTP-22				
5610 17400080	-180	1		180	-	46	HTP-22				
5610 17400010	-210	1		210	-	46	HTP-22				

1. Collet, spanner and preset driver are sold separately.
2. Please see below for $\ell 1$ dimension.
3. Tap holes smaller than M4 can be made by STM8. Collets to be used are as follows.
M1-M2.6: FDC-03007- ※※ M3-M3.5: FDC-04007- ※※
Tap drive will not be used for the above usages.

Collet	Preset driver	Ordering Example		
P.336	P.334-335	HSK40A - STM 8 - 90		
		Shank size	Holder size	Projection length (L)

$\ell 1$ Dimension for STM

Old JIS Taps			
Without center-through coolant			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6 U No.8 ~ 1/4	21 ~ 35	21 ~ 26	
M7 ~ 12 U 5/16 ~ U7/16 PT1/8	23 ~ 37	23 ~ 28	
M13 ~ 15 U 1/2 ~ 5/8 PT1/4	28 ~ 42	-	
M16 ~ 17 M18 ~ 27 U 3/4 ~ U1 PT3/8 ~ 5/8	32 ~ 45	-	
M30 U1-1/8 PT3/4	33 ~ 47	-	
	38 ~ 52	-	
With center-through coolant (STM8)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6 U No.8 ~ 1/4	25 ~ 35	25 ~ 26	
M7 ~ 8 U5/16	26 ~ 37	26 ~ 28	
With center-through coolant (STM12 ~ 30)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6 U No.8 ~ 1/4	24 ~ 35	24 ~ 26	
M7 ~ 10 U 5/16 ~ 3/8	25 ~ 37	25 ~ 28	
M11 ~ 12 U 7/16 PT 1/8	26 ~ 37	26 ~ 28	
U1/2	32 ~ 42	-	
M13 ~ 15 U9/16 U5/8 PT1/4	33 ~ 42	-	
M16	34 ~ 42	-	
M18 U 3/4 PT3/8	35 ~ 46	-	
M36 ~ 47	36 ~ 47	-	
M20 ~ 21 PT1/2	40 ~ 47	-	
M22 U 7/8	41 ~ 47	-	
M23	42 ~ 47	-	
M24 ~ 25 PT5/8	43 ~ 47	-	
M26 ~ 27 U1	44 ~ 47	-	
M28	45 ~ 52	-	
M30 PT3/4	46 ~ 52	-	
U 1-1/8	48 ~ 52	-	

OSG Synchro Taps			
Without center-through coolant			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6	21 ~ 35	21 ~ 26	
M8 ~ 10	23 ~ 37	23 ~ 28	
M12 ~ 14	28 ~ 42	-	
M16 ~ 27	33 ~ 47	-	
With center-through coolant (STM8)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6	25 ~ 35	25 ~ 26	
With center-through coolant (STM12 ~ 30)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M4 ~ 6	24 ~ 35	24 ~ 26	
M8 ~ 10	26 ~ 37	26 ~ 28	
M12	33 ~ 42	-	
M14	34 ~ 42	-	
M16 ~ 20	40 ~ 46	-	
M22 ~ 27	44 ~ 47	-	

YAMAWA X Series			
Without center-through coolant			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M6 M8	23 ~ 37	23 ~ 28	
M10 M12	28 ~ 42	-	
With center-through coolant (STM8)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M6	26 ~ 37	26 ~ 28	
With center-through coolant (STM12 ~ 30)			
Tap sizes	$\ell 1$	$\ell 1(*)$	
M6	25 ~ 37	25 ~ 28	
M8	26 ~ 37	26 ~ 28	
M10	33 ~ 42	-	
M12	34 ~ 42	-	

Tap size reference chart (collet, preset driver)

FDC-07 or FSC - collet

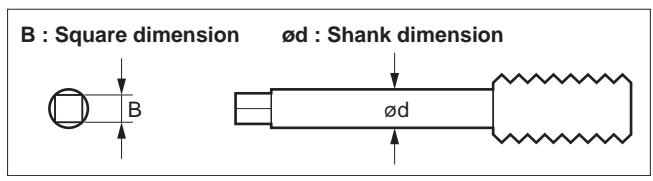
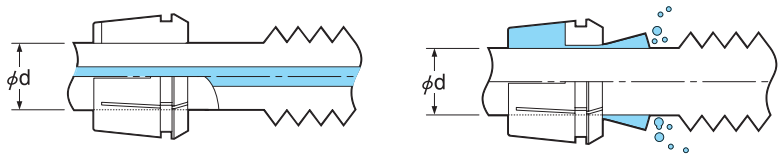
preset driver & tool for changing driver

OH Type

● OH type collet should be used for center-through coolant feeding and external coolant feeding.

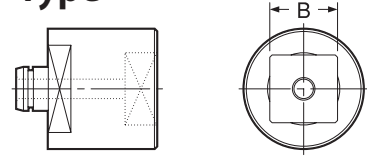
C Type

● when "collet-through" coolant feeding is needed.

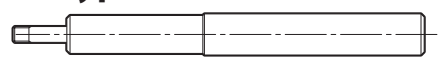


※ Please select OH type for non-coolant use.

STS Type



STS-R Type



Holder Model	Tap Size (ANSI)	ød (inch)	ød (mm)	Collet Model (OH or C)	B (inch)	B (mm)	Preset Driver
STM8	#0-6	0.141	3.5814	FDC-03607**	0.110	2.794	STS8-□ 2.8
	#8	0.168	4.2672	FDC-04307**	0.131	3.3274	STS8-□ 3.4
	#10	0.194	4.9276	FDC-05007**	0.152	3.8608	STS8-□ 4.0
	#12	0.22	5.588	FDC-05607**	0.165	4.191	STS8-□ 4.2
	1/4	0.255	6.477	FDC-06507**	0.191	4.8514	STS8-□ 5.0
STM12	#0-6	0.141	3.5814	FSC-09-3.6**	0.110	2.794	STS12-□ 2.8
	#8	0.168	4.2672	FSC-09-4.3**	0.131	3.3274	STS12-□ 3.4
	#10	0.194	4.9276	FSC-09-5.0**	0.152	3.8608	STS12-□ 4.0
	#12	0.22	5.588	FSC-09-5.6**	0.165	4.191	STS12-□ 4.2
	1/4	0.255	6.477	FSC-09-6.5**	0.191	4.8514	STS12-□ 5.0
	1/8SPT	0.313	7.9502	FSC-09-8.0**	0.234	5.9436	STS12-□ 6.0
	5/16	0.318	8.0772	FSC-09-8.1**	0.238	6.0452	STS12-□ 6.1
STM18	7/16	0.323	8.2042	FSC-09-8.3**	0.242	6.1468	STS12-□ 6.2
	1/2	0.367	9.3218	FSC-16-9.4**	0.275	6.985	STS18-□ 7.0
	3/8	0.381	9.6774	FSC-16-9.7**	0.286	7.2644	STS18-□ 7.3
	9/16	0.429	10.8966	FSC-16-10.9**	0.322	8.1788	STS18-□ 8.2
	1/8LPT	0.437	11.0998	FSC-16-11.1**	0.328	8.3312	STS18-□ 8.4
	5/8	0.48	12.192	FSC-16-12.2**	0.360	9.144	STS18-□ 9.2
	11/16	0.542	13.7668	FSC-16-13.8**	0.406	10.3124	STS18-□ 10.4
STM30	1/4PT	0.562	14.2748	FSC-16-14.3**	0.421	10.6934	STS18-□ 10.7
	3/4	0.59	14.986	FSC-22-15.0**	0.442	11.2268	STS30-□ 11.3
	13/16	0.652	16.5608	FSC-22-16.6**	0.489	12.4206	STS30-□ 12.5
	7/8	0.697	17.7038	FSC-22-17.8**	0.523	13.2842	STS30-□ 13.3
	3/8PT	0.7	17.78	FSC-22-17.8**	0.531	13.4874	STS30-□ 13.5
	1	0.8	20.32	FSC-22-20.4**	0.600	15.24	STS30-□ 15.3

For DIN and ISO, please refer to P.463-464.

Ordering Example

FSC - 22 - 20.4 - OH

Collet size Collet I.D. (d) OH: for tool with coolant hole
C: for collet through

Combination of accessories

Tap holder	Collet	Preset driver		Nut		Tool changing driver		Spanner	
Model	Model	Model	Code	Model	Code	Model	Code	Model	Code
STM8	FDC-07	STS8	3914 0100**03	KDP-1414	0070 01001407	STS-R0	3914 00000006	Flat 17mm width	
STM12	FSC-09	STS12	3914 1100**03	HTP-09	1314 00000009	STS-R1	3914 10000006	S-1L	0803 00000011
STM18	FSC-16	STS18	3914 310**03	HTP-16	1314 00000016	STS-R2	3914 30000006	S-4L	0803 00000014
STM30	FSC-22	STS30	3914 410**03	HTP-22	1314 00000022	STS-R2	3914 30000006	S-5L	0803 00000015



Tap size reference chart (collet, preset driver)

FDC-07 or FSC - collet

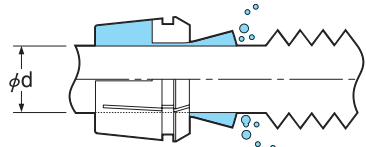
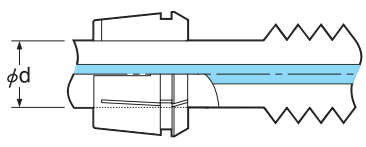
preset driver & tool for changing driver

OH Type

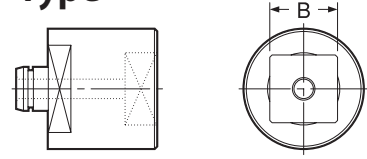
● OH type collet should be used for center-through coolant feeding and external coolant feeding.

C Type

● when "collet-through" coolant feeding is needed.



STS Type



STS-R Type



※ Please select OH type for non-coolant use.

Holder Model	Tap Size					ød	Collet Model (OH or C)	B	Preset Driver	Tool for Changing Driver
	Metric Thread	Unified Thread	Pipe Taper Thread	OSG Synchro-Taps	YAMAWA X Series					
STM8	M4-M4.5	UNo.8				5.0	FDC-05007-**	4.0	STS8-□4.0	STS-R0
	M5-M5.5	UNo.10~12				5.5	FDC-05507-**	4.5	STS8-□4.5	STS-R0
	M6	U1/4		M4-M6		6.0	FDC-06007-**	4.5	STS8-□4.5	STS-R0
					M6	6.0	FDC-06007-**	4.9	STS8-□4.9	STS-R0
			U5/16			6.1	FDC-06107-**	5.0	STS8-□5.0	STS-R0
STM12	M7-8					6.2	FDC-06207-**	5.0	STS8-□5.0	STS-R0
	M4-M4.5	UNo.8				5.0	FSC-09-5.0-**	4.0	STS12-□4.0	STS-R1
	M5-M5.5	UNo.10~12				5.5	FSC-09-5.5-**	4.5	STS12-□4.5	STS-R1
	M6	U1/4		M4-M6		6.0	FSC-09-6.0-**	4.5	STS12-□4.5	STS-R1
					M6	6.0	FSC-09-6.0-**	4.9	STS12-□4.9	STS-R1
			U5/16			6.1	FSC-09-6.1-**	5.0	STS12-□5.0	STS-R1
	M7-8					6.2	FSC-09-6.2-**	5.0	STS12-□5.0	STS-R1
	M9-M10	U3/8				7.0	FSC-09-7.0-**	5.5	STS12-□5.5	STS-R1
					M8	8.0	FSC-09-8.0-**	6.2	STS12-□6.2	STS-R1
	M11	U7/16	PT1/16~1/8	M8-M10		8.0	FSC-09-8.0-**	6.0	STS12-□6.0	STS-R1
STM18	M12					8.5	FSC-09-8.5-**	6.5	STS12-□6.5	STS-R1
		U1/2				9.0	FSC-16-9.0-**	7.0	STS18-□7.0	STS-R2
	M13					9.5	FSC-16-9.5-**	7.0	STS18-□7.0	STS-R2
				M12	M10	10.0	FSC-16-10.0-**	8.0	STS18-□8.0	STS-R2
	M14-15	U9/16				10.5	FSC-16-10.5-**	8.0	STS18-□8.0	STS-R2
			PT1/4			11.0	FSC-16-11.0-**	9.0	STS18-□9.0	STS-R2
		U5/8		M14	M12	12.0	FSC-16-12.0-**	9.0	STS18-□9.0	STS-R2
	M16					12.5	FSC-16-12.5-**	10.0	STS18-□10.0	STS-R2
	M17					13.0	FSC-16-13.0-**	10.0	STS18-□10.0	STS-R2
	M18-M19	U3/4	PT3/8			14.0	FSC-16-14.0-**	11.0	STS18-□11.0	STS-R2
STM30	M20					15.0	FSC-22-15.0-**	12.0	STS30-□12.0	STS-R2
	M21			M16-M20		16.0	FSC-22-16.0-**	12.0	STS30-□12.0	STS-R2
	M22	U7/8				17.0	FSC-22-17.0-**	13.0	STS30-□13.0	STS-R2
	M23		PT1/2			18.0	FSC-22-18.0-**	14.0	STS30-□14.0	STS-R2
	M24-M25		PT5/8			19.0	FSC-22-19.0-**	15.0	STS30-□15.0	STS-R2
	M26-M27	U1		M22-M27		20.0	FSC-22-20.0-**	15.0	STS30-□15.0	STS-R2
	M28					21.0	FSC-22-21.0-**	17.0	STS30-□17.0	STS-R2
		U1-1/8				22.0	FSC-22-22.0-**	17.0	STS30-□17.0	STS-R2
	M30		PT3/4			23.0	FSC-22-23.0-**	17.0	STS30-□17.0	STS-R2

Ordering Example

FSC - 22 - 20.0 - OH

Collet size Collet I.D. (d) OH: for tool with coolant hole
C: for collet through

Combination of accessories

Tap holder	Collet	Preset driver		Nut		Tool changing driver		Spanner	
Model	Model	Model	Code	Model	Code	Model	Code	Model	Code
STM8	FDC-07	STS8	3914 0100**03	KDP-1414	0070 01001407	STS-R0	3914 00000006	Flat 17mm width	
STM12	FSC-09	STS12	3914 1100**03	HTP-09	1314 00000009	STS-R1	3914 10000006	S-1L	0803 00000011
STM18	FSC-16	STS18	3914 310**03	HTP-16	1314 00000016	STS-R2	3914 30000006	S-4L	0803 00000014
STM30	FSC-22	STS30	3914 410**03	HTP-22	1314 00000022	STS-R2	3914 30000006	S-5L	0803 00000015

Inch to Metric (mm) → Inch × 25.4
Metric (mm) to Inch → Metric ÷ 25.4 or Metric × 0.03937



Special / Custom Sizes on request

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill

Milling Chuck
Collet Holder

"R" Zero Holder
Hydraulic Chuck

Shrink Fit

Tapping Chuck

Arbors

Function Holder

HSK-E

HSK-F

HSK-C

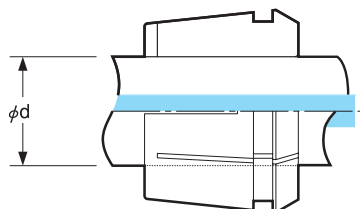
Tool Shank Dimensions

FSC

Collet For Tapper

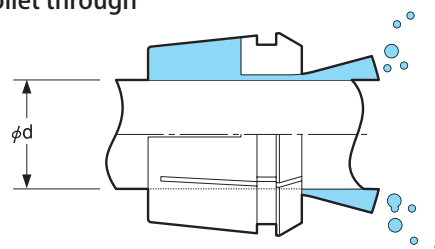
FSC-OH

For tool with coolant hole



FSC-C

For Collet through



Tool Shank Dia.		Size	Code
ød (inch)	ød (mm)		
ø 0.141	ø 3.6	FSC-09-3.6-OH	—
ø 0.168	ø 4.3	FSC-09-4.3-OH	1334 00104309
ø 0.194	ø 5.0	FSC-09-5.0-OH	1334 00105009
ø 0.220	ø 5.6	FSC-09-5.6-OH	1334 00105609
ø 0.216	ø 5.5	FSC-09-5.5-OH	1334 00105509
ø 0.236	ø 6.0	FSC-09-6.0-OH	1334 00106009
ø 0.240	ø 6.1	FSC-09-6.1-OH	1334 00106109
ø 0.244	ø 6.2	FSC-09-6.2-OH	1334 00106209
ø 0.255	ø 6.5	FSC-09-6.5-OH	1334 00106509
ø 0.275	ø 7.0	FSC-09-7.0-OH	1334 00107009
ø 0.314	ø 8.0	FSC-09-8.0-OH	1334 00108009
ø 0.313	ø 8.0	FSC-09-8.0-OH	1334 00108009
ø 0.318	ø 8.1	FSC-09-8.1-OH	1334 00108109
ø 0.323	ø 8.3	FSC-09-8.3-OH	1334 00108309
ø 0.334	ø 8.5	FSC-09-8.5-OH	1334 00108509
ø 0.354	ø 9.0	FSC-16-9.0-OH	1334 00109016
ø 0.367	ø 9.4	FSC-16-9.4-OH	1334 00109416
ø 0.374	ø 9.5	FSC-16-9.5-OH	1334 00109516
ø 0.381	ø 9.7	FSC-16-9.7-OH	1334 00109716
ø 0.393	ø 10.0	FSC-16-10.0-OH	1334 00110016
ø 0.413	ø 10.5	FSC-16-10.5-OH	1334 00110516
ø 0.429	ø 10.9	FSC-16-10.9-OH	1334 00110916
ø 0.433	ø 11.0	FSC-16-11.0-OH	1334 00111016
ø 0.437	ø 11.1	FSC-16-11.1-OH	1334 00111116
ø 0.472	ø 12.0	FSC-16-12.0-OH	1334 00112016
ø 0.480	ø 12.2	FSC-16-12.2-OH	1334 00112216
ø 0.492	ø 12.5	FSC-16-12.5-OH	1334 00112516
ø 0.511	ø 13.0	FSC-16-13.0-OH	1334 00113016
ø 0.542	ø 13.8	FSC-16-13.8-OH	1334 00113816
ø 0.551	ø 14.0	FSC-16-14.0-OH	1334 00114016
ø 0.562	ø 14.3	FSC-16-14.3-OH	1334 00114316
ø 0.590	ø 15.0	FSC-22-15.0-OH	1334 00115022
ø 0.629	ø 16.0	FSC-22-16.0-OH	1334 00116022
ø 0.652	ø 16.6	FSC-22-16.6-OH	1334 00116622
ø 0.669	ø 17.0	FSC-22-17.0-OH	1334 00117022
ø 0.697	ø 17.8	FSC-22-17.8-OH	1334 00117822
ø 0.700	ø 17.8	FSC-22-17.8-OH	1334 00117822
ø 0.708	ø 18.0	FSC-22-18.0-OH	1334 00118022
ø 0.748	ø 19.0	FSC-22-19.0-OH	1334 00119022
ø 0.800	ø 20.4	FSC-22-20.4-OH	1334 00120422
ø 0.787	ø 20.0	FSC-22-20.0-OH	1334 00120022
ø 0.826	ø 21.0	FSC-22-21.0-OH	1334 00121022
ø 0.866	ø 22.0	FSC-22-22.0-OH	1334 00122022
ø 0.905	ø 23.0	FSC-22-23.0-OH	1334 00123022

Tool Shank Dia.		Size	Code
ød (inch)	ød (mm)		
ø 0.141	ø 3.6	FSC-09-3.6-C	—
ø 0.168	ø 4.3	FSC-09-4.3-C	1335 00104309
ø 0.194	ø 5.0	FSC-09-5.0-C	1335 00105009
ø 0.220	ø 5.6	FSC-09-5.6-C	1335 00105609
ø 0.216	ø 5.5	FSC-09-5.5-C	1335 00105509
ø 0.236	ø 6.0	FSC-09-6.0-C	1335 00106009
ø 0.240	ø 6.1	FSC-09-6.1-C	1335 00106109
ø 0.244	ø 6.2	FSC-09-6.2-C	1335 00106209
ø 0.255	ø 6.5	FSC-09-6.5-C	1335 00106509
ø 0.275	ø 7.0	FSC-09-7.0-C	1335 00107009
ø 0.314	ø 8.0	FSC-09-8.0-C	1335 00108009
ø 0.313	ø 8.0	FSC-09-8.0-C	1335 00108009
ø 0.318	ø 8.1	FSC-09-8.1-C	1335 00108109
ø 0.323	ø 8.3	FSC-09-8.3-C	1335 00108309
ø 0.334	ø 8.5	FSC-09-8.5-C	1335 00108509
ø 0.354	ø 9.0	FSC-16-9.0-C	1335 00109016
ø 0.367	ø 9.4	FSC-16-9.4-C	1335 00109416
ø 0.374	ø 9.5	FSC-16-9.5-C	1335 00109516
ø 0.381	ø 9.7	FSC-16-9.7-C	1335 00109716
ø 0.393	ø 10.0	FSC-16-10.0-C	1335 00110016
ø 0.413	ø 10.5	FSC-16-10.5-C	1335 00110516
ø 0.429	ø 10.9	FSC-16-10.9-C	1335 00110916
ø 0.433	ø 11.0	FSC-16-11.0-C	1335 00111016
ø 0.437	ø 11.1	FSC-16-11.1-C	1335 00111116
ø 0.472	ø 12.0	FSC-16-12.0-C	1335 00112016
ø 0.480	ø 12.2	FSC-16-12.2-C	1335 00112216
ø 0.492	ø 12.5	FSC-16-12.5-C	1335 00112516
ø 0.511	ø 13.0	FSC-16-13.0-C	1335 00113016
ø 0.542	ø 13.8	FSC-16-13.8-C	1335 00113816
ø 0.551	ø 14.0	FSC-16-14.0-C	1335 00114016
ø 0.562	ø 14.3	FSC-16-14.3-C	1335 00114316
ø 0.590	ø 15.0	FSC-22-15.0-C	1335 00115022
ø 0.629	ø 16.0	FSC-22-16.0-C	1335 00116022
ø 0.652	ø 16.6	FSC-22-16.6-C	1335 00116622
ø 0.669	ø 17.0	FSC-22-17.0-C	1335 00117022
ø 0.697	ø 17.8	FSC-22-17.8-C	1335 00117822
ø 0.700	ø 17.8	FSC-22-17.8-C	1335 00117822
ø 0.708	ø 18.0	FSC-22-18.0-C	1335 00118022
ø 0.748	ø 19.0	FSC-22-19.0-C	1335 00119022
ø 0.800	ø 20.4	FSC-22-20.4-C	1335 00120422
ø 0.787	ø 20.0	FSC-22-20.0-C	1335 00120022
ø 0.826	ø 21.0	FSC-22-21.0-C	1335 00121022
ø 0.866	ø 22.0	FSC-22-22.0-C	1335 00122022
ø 0.905	ø 23.0	FSC-22-23.0-C	1335 00123022

OH type shall be selected in case not utilizing coolant through from the machine spindle.

Ordering Example

FSC - 16 - 9.0 - OH
 16 Series Tool Shank Dia.

Ordering Example

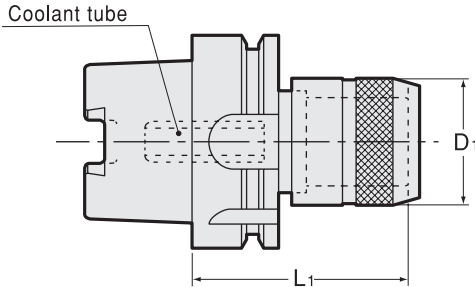
FSC - 16 - 9.0 - C
 16 Series Tool Shank Dia.

STP

Synchro Tapping Chuck

- Quick-changeable tap adapter.

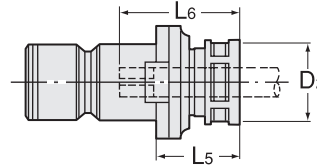
STP



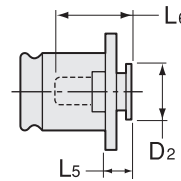
- Coolant tube is included.

For capable tap sizes, please refer to P. 463 chart.

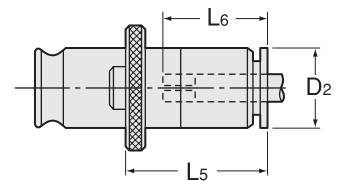
STC (Option)



WE (Option)



WEN · B (Option)



Metric Sizes

Unit : Metric

Code	Model	L1	D1	kg	Tap adapter	L5	D2	Tap Size			
								Metric thread	OSG synchro tap	Pipe tap	ANSI
5520 13001080	HSK40A -STP1 -80	80	38	0.6	STC1- ※※※	26	26	M3 ~ M12	M3 ~ M10	PIPE (PT,PS,PF) 1/8	#8-12, 1/4, 5/16, 7/16, 1/8SS
5520 13001110	-110	110	38	WEN1B- ※※※	33	19					
				WE1- ※※※	7	19					
5520 14001080	HSK50A -STP1 -80	80	38	0.8	STC1- ※※※	26	26	M3 ~ M12	M3 ~ M10	PIPE (PT,PS,PF) 1/8	#8-12, 1/4, 5/16, 7/16, 1/8SS
5520 14001110	-110	110	38	1.1	WEN1B- ※※※	33	19				
				1.1	WE1- ※※※	7	19				
5520 14002100	HSK50A -STP2 -100	100	55	1.2	STC2 - ※※※	35	36	M8 ~ M20	M8 ~ M14	PIPE (PT,PS,PF) 1/8 PIPE (PT,PS,PF) 1/4 PIPE (PT,PS,PF) 3/8	1/4-3/4, 1/8SS, 1/8LS, 1/4P
5520 14002130	-130	130	55	1.5	WEN2B- ※※※	59	30				
				1.5	WE2- ※※※	11	30				
5520 15001080	HSK63A -STP1 -80	80	38	1.0	STC1- ※※※	26	26	M3 ~ M12	M3 ~ M10	PIPE (PT,PS,PF) 1/8	#8-12, 1/4, 5/16, 7/16, 1/8SS
5520 15001110	-110	110	38	1.3	WEN1B- ※※※	33	19				
				1.3	WE1- ※※※	7	19				
5520 15002100	HSK63A -STP2 -100	100	55		STC2 - ※※※	35	36	M8 ~ M20	M8 ~ M14	PIPE (PT,PS,PF) 1/8 PIPE (PT,PS,PF) 1/4 PIPE (PT,PS,PF) 3/8	1/4-3/4, 1/8SS, 1/8LS, 1/4P
5520 15002130	-130	130	55	2.0	WEN2B- ※※※	59	30				
				2.0	WE2- ※※※	11	30				
5520 17001095	HSK100A -STP1 -95	95	38	2.5	STC1- ※※※	26	26	M3 ~ M12	M3 ~ M10	PIPE (PT,PS,PF) 1/8	#8-12, 1/4, 5/16, 7/16, 1/8SS
5520 17001125	-125	125	38		WEN1B- ※※※	33	19				
					WE1- ※※※	7	19				
5520 17002115	HSK100A -STP2 -115	115	55	3.2	STC2 - ※※※	35	36	M8 ~ M20	M8 ~ M14	PIPE (PT,PS,PF) 1/8 PIPE (PT,PS,PF) 1/4 PIPE (PT,PS,PF) 3/8	1/4-3/4, 1/8SS, 1/8LS, 1/4P
5520 17002145	-145	145	55	3.7	WEN2B- ※※※	59	30				
				3.7	WE2- ※※※	11	30				

L5 values are in the case of metric thread.

STC L6 Dimension

Please refer to P. 458, 460 for L6 dimension of WE, WEN · B.

STC1 L6	M3	M4	M5	M6	M8	M10	M11	M12	Pipe1/8
MIN	24	26	31	31	32	32	32	33	34
MAX	29	31	35	35	37	37	37	37	38

STC2 L6	M8	M10	M11	M12	M14	M16	M17	M18	M20	Pipe1/8	Pipe1/4	Pipe3/8
MIN	34	34	33	35	39	41	41	43	43	29	29	33
MAX	39	39	38	40	44	46	46	48	48	33	31	34

Metric Sizes Unit : Metric

Code	Model	Collet			Nut	Spanner
		Metric thread	Pipe tap	OSG synchro tap		
2800 00001 ※※※	STC1- ※※※	FDC-09		FDC-09	HDP-09B	S-1L
2800 00001 ※※※	STC1- ※※※		ESC10		KDP-1916	S-1L
2800 00002 ※※※	STC2- ※※※	FDC-16		FDC-16	HDP-16B	S-4L
2800 00002 ※※※	STC2- ※※※		ESC16		KDP-2825	S-4L

1. Tap size will be inserted in " ※※※ ".
2. STC adapter comes complete with collet and nut, but spanner is sold separately.
3. When using OSG synchro tap, please specify it.
Example : STC1-M3-O

STP Holder

Ordering Example

HSK40A - STP1 - 80
Shank size Adapter size L1

STC adapter

Ordering Example

STC1 - M10 - ANSI
Size Tap size ANSI,ISO,DIN,JIS

WEN · B BILZ Tap Adapter

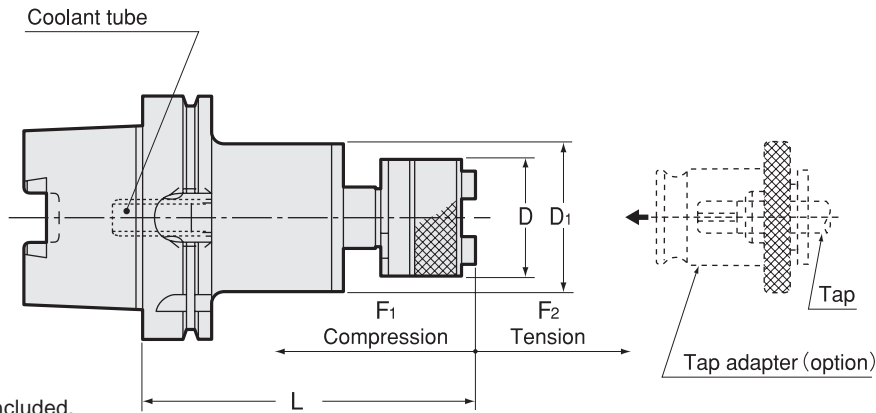
Ordering Example

WEN1B - M10 - ANSI
Size Tap size ANSI,ISO,DIN,JIS

TP1

Quick Change Tapping Chuck

- Strong compression allows use with rolled thread tap.



- Coolant tube is included.

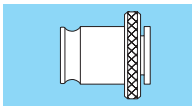
For capable tap sizes, please refer to P. 463 chart.

Metric Sizes										Unit : Metric
Code	Model	Tap Size	Adapter size	L	D	D1	Axial compensation		kg	
							F1	F2		
5460 13001113	HSK40A -TP1 -1 -113	M3 ~ M12,U1/4 ~ U7/16, PIPE (PT,PS,PF) 1/8	1	113	32	44	6	18	0.9	
5460 14001113	HSK50A -TP1 -1 -113	M3 ~ M12,U1/4 ~ U7/16, PIPE (PT,PS,PF) 1/8	1	113	32	44	6	18		
5460 14002139	-2 -139	M8 ~ M22,U3/8 ~ U7/8, PIPE (PT,PS,PF) 1/8 ~ 3/8	2	139	50	46	10	15		
5460 15001113	HSK63A -TP1 -1 -113	M3 ~ M12,U1/4 ~ U7/16, PIPE (PT,PS,PF) 1/8	1	113	32	44	6	18	1.4	
5460 15002139	-2 -139	M8 ~ M22,U3/8 ~ U7/8, PIPE (PT,PS,PF) 1/8 ~ 3/8	2	139	50	46	10	15	1.8	
5460 17001113	HSK100A -TP1 -1 -113	M3 ~ M12,U1/4 ~ U7/16, PIPE (PT,PS,PF) 1/8	1	113	32	44	6	18	2.7	
5460 17002139	-2 -139	M8 ~ M22,U3/8 ~ U7/8, PIPE (PT,PS,PF) 1/8 ~ 3/8	2	139	50	46	10	15	3.1	
5460 17003211	-3 -211	M16 ~ M38,U3/4 ~ 1-3/8, PIPE (PT,PS,PF) 3/8 ~ 1-1/8	3	211	72	62	20	20	5.2	

- 1.To prevent tap breakage, use tap adapter with safety torque device.
- 2.Tap adapter is sold separately.

Tap adapter

P. 458



Ordering Example

HSK40A - TP1-2 - 139

Shank size

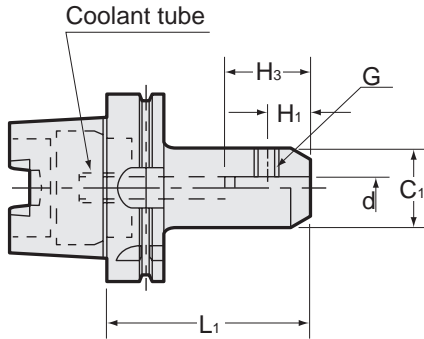
Adapter size

Projection length(L)

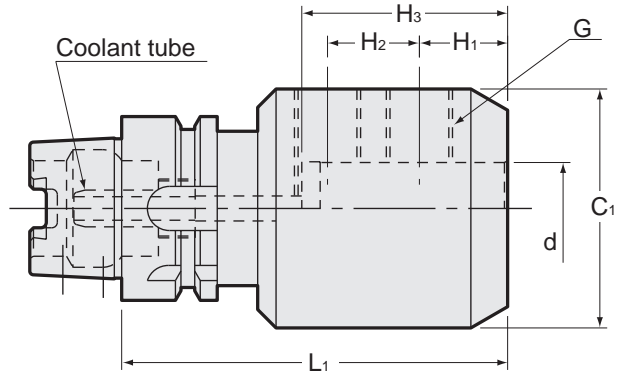
SLH

Side Lock Holder

Type 1



Type 2



● Coolant tube is included.

Inch Sizes

Unit : Inch

Code	Model	Type	d H6 (mm)	C1	L1	H1	H2	H3	G	kg
-	HSK40A -SLH -0250 -60	1	0.250	0.790	2.362	0.437	-	1.420	1/4-28 × 1/4	
-	-105	1	0.250	0.790	4.134	0.437	-	1.420	1/4-28 × 1/4	
-	HSK40A -SLH -0313 -60	1	0.3125	0.870	2.362	0.437	-	1.420	5/16-24 × 1/4	
-	-105	1	0.3125	0.870	4.134	0.437	-	1.420	5/16-24 × 1/4	
-	HSK40A -SLH -0375 -60	1	0.375	1.000	2.362	0.710	-	1.560	3/8-24 × 5/16	
-	-105	1	0.375	1.000	4.134	0.710	-	1.560	3/8-24 × 5/16	
-	HSK40A -SLH -0438 -60	1	0.4375	1.380	2.362	0.710	-	1.770	7/16-20 × 3/8	
-	-105	1	0.4375	1.380	4.134	0.710	-	1.770	7/16-20 × 3/8	
-	HSK40A -SLH -0500 -75	1	0.500	1.380	2.953	0.710	-	1.770	7/16-20 × 3/8	
-	-105	1	0.500	1.380	4.134	0.710	-	1.770	7/16-20 × 3/8	
5420 13320075	HSK40A -SLH -0625 -75	2	0.625	1.650	2.953	0.700	-	1.890	9/16-18 × 1/2	0.6
-	-105	2	0.625	1.650	4.134	0.700	-	1.890	9/16-18 × 1/2	
5420 23224075	HSK40A -SLH -0750 -75	2	0.750	1.750	2.953	0.74	-	2.020	5/8-18 × 1/2	0.6
-	-135	2	0.750	1.750	5.315	0.74	-	2.020	5/8-18 × 1/2	
-	HSK40A -SLH -0875 -75	2	0.875	2.000	2.953	0.74	-	2.020	5/8-18 × 1/2	
-	-135	2	0.875	2.000	5.315	0.74	-	2.020	5/8-18 × 1/2	
-	HSK63A -SLH -0250 -60	1	0.250	0.790	2.362	0.437	-	1.420	1/4-28 × 1/4	
-	-105	1	0.250	0.790	4.134	0.437	-	1.420	1/4-28 × 1/4	
-	HSK63A -SLH -0313 -80	1	0.3125	0.870	3.150	0.437	-	1.420	5/16-24 × 1/4	
-	-150	1	0.3125	0.870	5.906	0.437	-	1.420	5/16-24 × 1/4	
-	HSK63A -SLH -0375 -90	1	0.375	1.000	3.543	0.710	-	1.560	3/8-24 × 5/16	
-	-150	1	0.375	1.000	5.906	0.710	-	1.560	3/8-24 × 5/16	
-	HSK63A -SLH -0438 -95	1	0.4375	1.380	3.740	0.710	-	1.770	7/16-20 × 3/8	
-	-150	1	0.4375	1.380	5.906	0.710	-	1.770	7/16-20 × 3/8	
-	HSK63A -SLH -0500 -95	1	0.500	1.380	3.740	0.710	-	1.770	7/16-20 × 3/8	
-	-150	1	0.500	1.380	5.906	0.710	-	1.770	7/16-20 × 3/8	
-	HSK63A -SLH -0625 -100	1	0.625	1.650	3.937	0.700	-	1.890	9/16-18 × 1/2	
-	-150	1	0.625	1.650	5.906	0.700	-	1.890	9/16-18 × 1/2	
-	HSK63A -SLH -0750 -100	1	0.750	1.750	3.937	0.740	-	2.020	5/8-18 × 1/2	
-	-150	1	0.750	1.750	5.906	0.740	-	2.020	5/8-18 × 1/2	
-	HSK63A -SLH -0875 -100	1	0.875	2.000	3.937	0.740	-	2.020	5/8-18 × 1/2	
-	-150	1	0.875	2.000	5.906	0.740	-	2.020	5/8-18 × 1/2	
5420 15332150	HSK63A -SLH -1000 -100	2	1.000	2.360	3.937	0.860	-	2.270	3/4-16 × 11/16	2.9
-	-150	2	1.000	2.360	5.906	0.860	-	2.270	3/4-16 × 11/16	
5420 15340100	HSK63A -SLH -1250 -100	2	1.250	2.650	3.937	0.860	-	2.270	3/4-16 × 11/16	2.9
-	-150	2	1.250	2.650	5.906	0.860	-	2.270	3/4-16 × 11/16	
5420 15348100	HSK63A -SLH -1500 -100	2	1.500	2.990	3.937	1.181	-	2.717	3/4-16 × 11/16	2.3
-	-150	2	1.500	2.990	5.906	1.181	-	2.717	3/4-16 × 11/16	

Item code with - is semi standard item.

Ordering Example

HSK40A - SLH - 0250 - 65

Shank size

I.D. (d)

Projection length (L)

Inch Sizes

Unit : Inch

Code	Model	Type	d H6 (mm)	C1	L1	H1	H2	H3	G	kg
-	HSK100A -SLH -0250 -75	1	0.250	0.790	2.953	0.437	-	1.420	1/4-28 × 1/4	
-	-135	1	0.250	0.790	5.315	0.437	-	1.420	1/4-28 × 1/4	
-	HSK100A -SLH -0313 -75	1	0.3125	0.870	2.953	0.437	-	1.420	5/16-24 × 1/4	
-	-135	1	0.3125	0.870	5.315	0.437	-	1.420	5/16-24 × 1/4	
-	HSK100A -SLH -0375 -90	1	0.375	1.000	3.543	0.710	-	1.560	3/8-24 × 5/16	
-	-150	1	0.375	1.000	5.906	0.710	-	1.560	3/8-24 × 5/16	
-	HSK100A -SLH -0438 -100	1	0.4375	1.380	3.937	0.710	-	1.770	7/16-20 × 3/8	
-	-165	1	0.4375	1.380	6.496	0.710	-	1.770	7/16-20 × 3/8	
-	HSK100A -SLH -0500 -105	1	0.500	1.380	4.134	0.710	-	1.770	7/16-20 × 3/8	
-	-165	1	0.500	1.380	6.496	0.710	-	1.770	7/16-20 × 3/8	
-	HSK100A -SLH -0625 -110	1	0.625	1.650	4.331	0.700	-	1.890	9/16-18 × 1/2	
-	-165	1	0.625	1.650	6.496	0.700	-	1.890	9/16-18 × 1/2	
-	HSK100A -SLH -0750 -110	1	0.750	1.750	4.331	0.740	-	2.020	5/8-18 × 1/2	
-	-165	1	0.750	1.750	6.496	0.740	-	2.020	5/8-18 × 1/2	
-	HSK100A -SLH -0875 -110	1	0.875	2.000	4.331	0.740	-	2.020	5/8-18 × 1/2	
-	-165	1	0.875	2.000	6.496	0.740	-	2.020	5/8-18 × 1/2	
-	HSK100A -SLH -1000 -115	1	1.000	2.360	4.528	0.860	-	2.270	3/4-16 × 11/16	
-	-165	1	1.000	2.360	6.496	0.860	-	2.270	3/4-16 × 11/16	
-	HSK100A -SLH -1250 -120	1	1.250	2.650	4.724	0.860	-	2.270	3/4-16 × 11/16	
-	-165	1	1.250	2.650	6.496	0.860	-	2.270	3/4-16 × 11/16	
-	HSK100A -SLH -1500 -120	1	1.500	2.990	4.724	1.181	-	2.717	3/4-16 × 11/16	
-	-165	1	1.500	2.990	6.496	1.181	-	2.717	3/4-16 × 11/16	
5420 17364135	HSK100A -SLH -2000 -135	2	2.000	3.740	5.315	1.260	1.500	3.380	1-12 × 7/8	6.1
-	-180	2	2.000	3.740	7.087	1.260	1.500	3.380	1-12 × 7/8	
-	HSK100A -SLH -2500 -135	2	2.500	4.250	5.315	1.162	1.500	3.380	1-12 × 7/8	
-	-180	2	2.500	4.250	7.087	1.162	1.500	3.380	1-12 × 7/8	

Item code with - is semi standard item.

Ordering Example

HSK40A - SLH - 0250 - 65
 Shank size I.D. (d) Projection length (L)

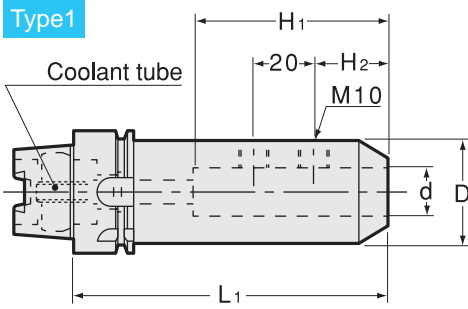
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R"-Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions



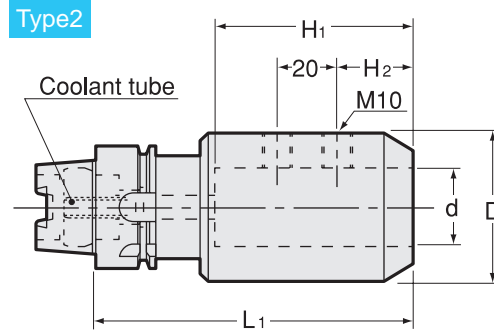
SLA

Side Lock Holder

- For straight shank boring bar with flat and straight shank boring head with flat.



● Coolant tube is included.

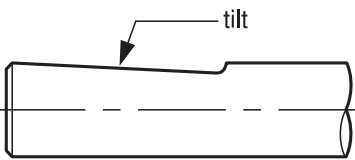


● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L1	D	H1	H2	kg
5420 13116090	HSK40A -SLA16 -90	2	16	90	40	65	25	
5420 13120090	HSK40A -SLA20 -90	2	20	90	40	65	25	
5420 13125105	HSK40A -SLA25 -105	2	25	105	46	65	25	0.9
5420 14116090	HSK50A -SLA16 -90	1	16	90	40	65	25	
5420 14120090	HSK50A -SLA20 -90	1	20	90	40	65	25	0.9
5420 14125105	HSK50A -SLA25 -105	2	25	105	46	65	25	1.1
5420 15120090	HSK63A -SLA20 -90	1	20	90	50	65	25	1.5
5420 15125105	HSK63A -SLA25 -105	1	25	105	50	65	25	1.6
5420 15132105	HSK63A -SLA32 -105	2	32	105	60	75	30	1.8
5420 17120105	HSK100A -SLA20 -105	1	20	105	50	65	25	3.0
5420 17125105	HSK100A -SLA25 -105	1	25	105	50	65	25	2.9
5420 17132120	HSK100A -SLA32 -120	1	32	120	60	75	30	3.6
5420 17142120	HSK100A -SLA42 -120	1	42	120	70	75	30	3.9



Please contact NT if the cutting tool has tilted flat on the shank.
Special tool holder that matches to the tilted flat can be manufactured.

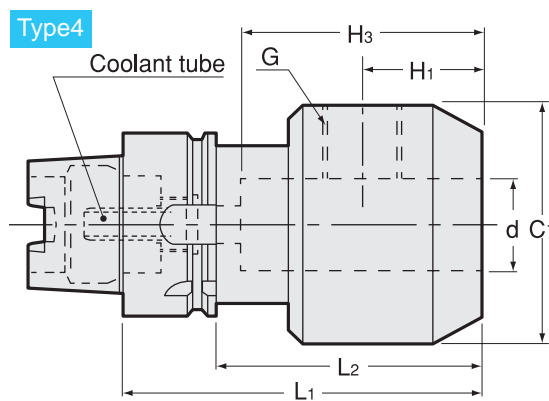
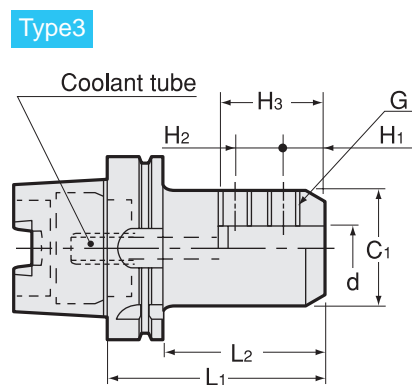
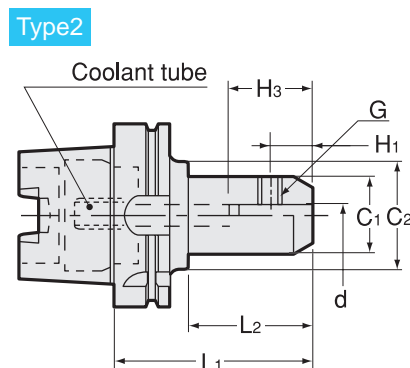
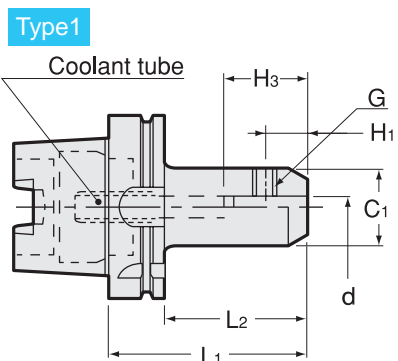
Ordering Example

HSK40A - SLA - 20 - 90
 Shank size I.D. (d) Projection length (L)

SL2

Side Lock Holder

● For JIS straight shank endmill with flat.



● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L1	L2	C1	C2	H1	H2	H3	G	kg
5420 13206060	HSK40A -SL2 -6 -60	1	6	60	40	25	—	18	—	36	M6	
5420 13208060	-8 -60	1	8	60	40	28	—	18	—	36	M8	
5420 13210060	-10 -60	4	10	60	40	35	—	20	—	40	M10	0.5
5420 13212075	-12 -75	4	12	75	55	42	—	22.5	—	45	M12	
5420 13216075	-16 -75	4	16	75	55	42	—	24	—	48	M14	
5420 13220075	-20 -75	4	20	75	55	42	—	25	—	50	M16	0.6
5420 14206060	HSK50A -SL2 -6 -60	1	6	60	34	25	—	18	—	36	M6	
5420 14208060	-8 -60	1	8	60	34	28	—	18	—	36	M8	
5420 14210065	-10 -65	1	10	65	39	35	—	20	—	40	M10	0.7
5420 14212075	-12 -75	1	12	75	49	42	—	22.5	—	45	M12	0.9
5420 14216075	-16 -75	1	16	75	49	42	—	24	—	48	M14	0.9
5420 14220090	-20 -90	1	20	90	64	42	—	25	—	50	M16	1.0
5420 15208080	HSK63A -SL2 -8 -80	1	8	80	54	28	—	18	—	36	M8	0.9
5420 15208150	-150	1	8	150	124	28	—	18	—	36	M8	
5420 15210090	-10 -90	1	10	90	64	35	—	20	—	40	M10	1.1
5420 15210150	-150	1	10	150	124	35	—	20	—	40	M10	1.6
5420 15212095	-12 -95	1	12	95	69	42	—	22.5	—	45	M12	1.4
5420 15212150	-150	1	12	150	124	42	—	22.5	—	45	M12	1.9
5420 15216100	-16 -100	1	16	100	74	48	—	24	—	48	M14	1.6
5420 15216150	-150	1	16	150	124	48	—	24	—	48	M14	2.3
5420 15220100	-20 -100	1	20	100	74	52	—	25	—	50	M16	1.8
5420 15220150	-150	1	20	150	124	52	—	25	—	50	M16	2.5

Inch to Metric (mm) → Inch × 25.4
Metric (mm) to Inch → Metric ÷ 25.4 or Metric × 0.03937

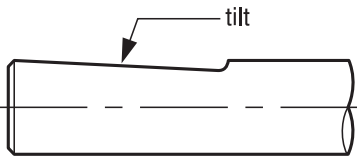


Special / Custom Sizes on request

Metric Sizes

Unit : Metric

Code	Model	Type	d	L1	L2	C1	C2	H1	H2	H3	G	kg
5420 17208090	HSK100A -SL2 -8 -90	2	8	90	49	28	50	18	—	36	M8	
5420 17208165		2	8	165	124	28	50	18	—	36	M8	2.8
5420 17210100		2	10	100	59	35	50	20	—	40	M10	2.6
5420 17210165		2	10	165	124	35	50	20	—	40	M10	
5420 17212105		1	12	105	76	42	—	22.5	—	45	M12	2.8
5420 17212165		1	12	165	136	42	—	22.5	—	45	M12	3.4
5420 17216110		1	16	110	81	48	—	24	—	48	M14	3.1
5420 17216165		1	16	165	136	48	—	24	—	48	M14	3.8
5420 17220110		1	20	110	81	52	—	25	—	50	M16	3.2
5420 17220165		1	20	165	136	52	—	25	—	50	M16	
5420 17225115		3	25	115	86	65	—	24	25	56	M18	4.0
5420 17225165		3	25	165	136	65	—	24	25	56	M18	
5420 17232120		3	32	120	91	72	—	24	28	60	M20	4.5
5420 17232165		3	32	165	136	72	—	24	28	60	M20	



Please contact NT if the cutting tool has tilted flat on the shank. Special tool holder that matches to the tilted flat can be manufactured.

Ordering Example

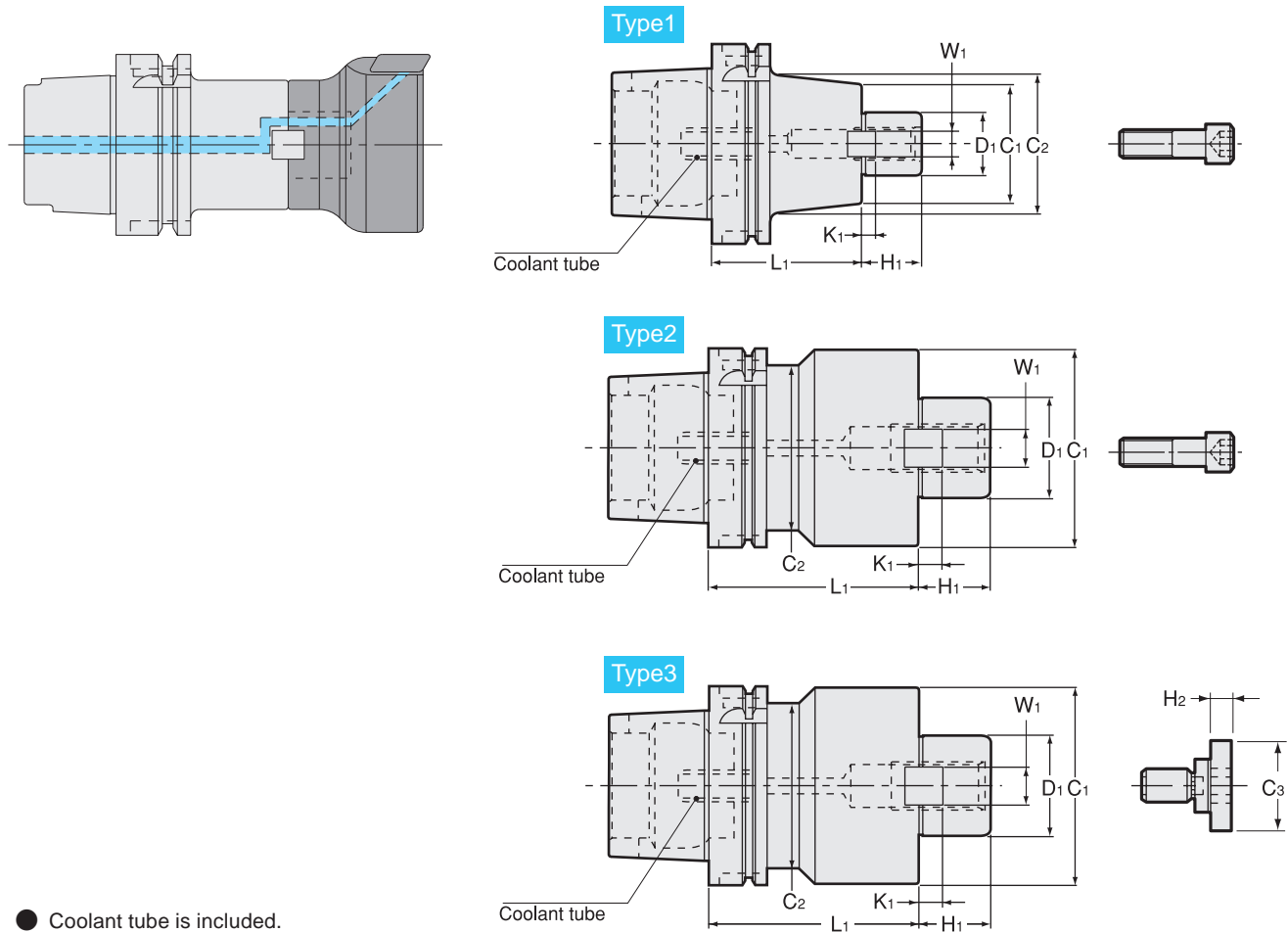
HSK63A - SL2 - 8 - 90
 Shank size I.D. (d) Projection length (L)

- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R" Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions

FMH

Face Mill Arbor (For Cutters With Oil Hole)

- Coolant flows from the end face of centering location to cutter with oil hole.



- Coolant tube is included.

Metric Sizes													Unit : Metric	
Code	Model	Type	D1	L1	H1	C1	C2	W1	K1	C3	H2	Clamp Bolt	Cutter dia. Example	
5340 13516060	HSK40A -FMH16 -60	1	16	60	17	34	34	8	5	—	—	M8	40 50	
5340 13522060	HSK40A -FMH22 -60	2	22	60	18	45	34	10	5.6	—	—	M10	50 63	
5340 13525060	HSK40A -FMH25.4 -60	2	25.4	60	22	70	34	9.5	5	—	—	M12	80 100 125	
5340 14516060	HSK50A -FMH16 -60	1	16	60	17	34	34	8	5	—	—	M8	40 50	
5340 14522060	HSK50A -FMH22 -60	2	22	60	18	45	42	10	5.6	—	—	M10	50 63	
5340 14525060	HSK50A -FMH25.4 -60	2	25.4	60	22	70	42	9.5	5	—	—	M12	80 100 125	
5340 15516060	HSK63A -FMH16 -60	1	16	60	17	34	34	8	5	—	—	M8	40 50	
5340 15516090	-90	1	16	90	17	34	40	8	5	—	—			
5340 15516120	-120	1	16	120	17	34	40	8	5	—	—			
5340 15522060	HSK63A -FMH22 -60	1	22	60	18	45	45	10	5.6	—	—	M10	50 63	
5340 15522090	-90	1	22	90	18	45	45	10	5.6	—	—			
5340 15522120	-120	1	22	120	18	45	45	10	5.6	—	—			
5340 15525060	HSK63A -FMH25.4 -60	2	25.4	60	22	70	53	9.5	5	—	—	M12	80 100 125	
5340 15525090	-90	2	25.4	90	22	70	53	9.5	5	—	—			
5340 15525120	-120	2	25.4	120	22	70	53	9.5	5	—	—			
5340 15531060	HSK63A -FMH31.75 -60	2	31.75	60	30	80	53	12.7	7	—	—	M16	80 100	
5340 15531090	-90	2	31.75	90	30	80	53	12.7	7	—	—			
5340 15531120	-120	2	31.75	120	30	80	53	12.7	7	—	—			
5340 15538060	HSK63A -FMH38.1 -60	3	38.1	60	34	90	53	15.9	9	50	14	MBAH-M20	125	
5340 15538090	-90	3	38.1	90	34	90	53	15.9	9	50	14			
5340 15538120	-120	3	38.1	120	34	90	53	15.9	9	50	14			

Metric Sizes

Unit : Metric

Code	Model	Type	D1	L1	H1	C1	C2	W1	K1	C3	H2	Clamp Bolt	Cutter dia. Example
5340 17516075	HSK100A -FMH16 -75	1	16	75	17	34	40	8	5	—	—	M8	40 50
5340 17516105	-105	1	16	105	17	34	40	8	5	—	—		
5340 17516135	-135	1	16	135	17	34	40	8	5	—	—		
5340 17522075	HSK100A -FMH22 -75	1	22	75	18	45	45	10	5.6	—	—	M10	50 63
5340 17522105	-105	1	22	105	18	45	45	10	5.6	—	—		
5340 17522135	-135	1	22	135	18	45	45	10	5.6	—	—		
5340 17525075	HSK100A -FMH25.4 -75	1	25.4	75	22	70	80	9.5	5	—	—	M12	80 100 125
5340 17525105	-105	1	25.4	105	22	70	80	9.5	5	—	—		
5340 17525135	-135	1	25.4	135	22	70	80	9.5	5	—	—		
5340 17531075	HSK100A -FMH31.75 -75	1	31.75	75	30	80	80	12.7	7	—	—	M16	80 100
5340 17531105	-105	1	31.75	105	30	80	80	12.7	7	—	—		
5340 17531135	-135	1	31.75	135	30	80	80	12.7	7	—	—		
5340 17538075	HSK100A -FMH38.1 -75	3	38.1	75	34	90	85	15.9	9	50	14	MBAH-M20	125
5340 17538105	-105	3	38.1	105	34	90	85	15.9	9	50	14		
5340 17538135	-135	3	38.1	135	34	90	85	15.9	9	50	14		
5340 17550075	HSK100A -FMH50.8 -75	3	50.8	75	36	100	85	19.05	10	65	14	MBAH-M24	160
5340 17550105	-105	3	50.8	105	36	100	85	19.05	10	65	14		
5340 17550135	-135	3	50.8	135	36	100	85	19.05	10	65	14		

Clamp bolt is Included.

Ordering Example

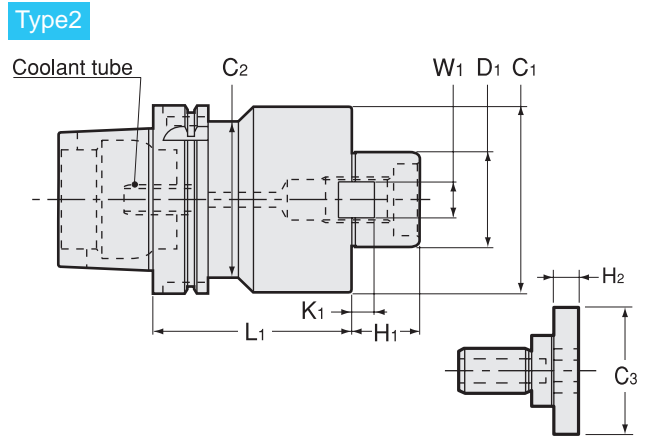
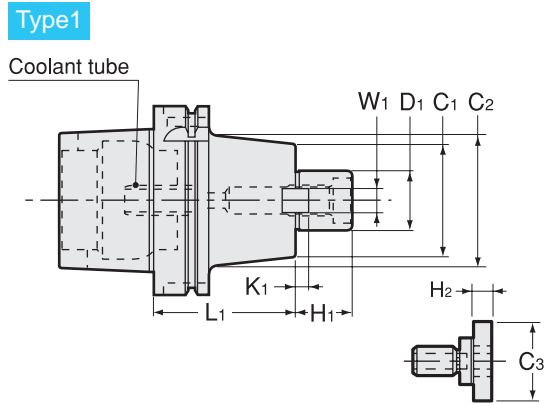
HSK63A - FMH 25.4 - 60
 Shank size D1 Projection length (L)

- BT
- CAT
- AHO
- HSK-AE/FC
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R"-Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C
- Tool Shank Dimensions



Face Mill Arbor

● For JIS B4113 face mill.



● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	D1	L1	H1	C1	C2	W1	K1	C3	H2	kg	Clamp Bolt	Cutter dia. Example
5340 13025060	HSK40A -FMA25.4 -60	2	25.4	60	22	50	34	9.5	5	33	10	0.7	MBA-M12	80
5340 14025060	HSK50A -FMA25.4 -60	2	25.4	60	22	50	42	9.5	5	33	10	0.9	MBA-M12	80
5340 15025060	HSK63A -FMA25.4 -60	1	25.4	60	22	50	50	9.5	5	33	10	1.3	MBA-M12	80
5340 15025090	-90	1	25.4	90	22	50	50	9.5	5	33	10	1.9		
5340 15025120	-120	1	25.4	120	22	50	50	9.5	5	33	10	2.3		
5340 15031060	HSK63A -FMA31.75 -60	2	31.75	60	30	60	53	12.7	7	40	10	1.7	MBA-M16	100
5340 15031090	-90	2	31.75	90	30	60	53	12.7	7	40	10	2.5		
5340 15031120	-120	2	31.75	120	30	60	53	12.7	7	40	10	3.3		
5340 15038060	HSK63A -FMA38.1 -60	2	38.1	60	34	80	48	15.9	9	50	14	2.1	MBA-M20	125
5340 15038090	-90	2	38.1	90	34	80	53	15.9	9	50	14	3.0		
5340 15038120	-120	2	38.1	120	34	80	53	15.9	9	50	14	4.4		
5340 17025075	HSK100A -FMA25.4 -75	1	25.4	75	22	50	70	9.5	5	33	10	3.2	MBA-M12	80
5340 17025105	-105	1	25.4	105	22	50	70	9.5	5	33	10	3.9		
5340 17025135	-135	1	25.4	135	22	50	70	9.5	5	33	10	4.6		
5340 17031075	HSK100A -FMA31.75 -75	1	31.75	75	30	60	70	12.7	7	40	10	3.5	MBA-M16	100
5340 17031105	-105	1	31.75	105	30	60	70	12.7	7	40	10	4.3		
5340 17031135	-135	1	31.75	135	30	60	70	12.7	7	40	10	5.1		
5340 17038075	HSK100A -FMA38.1 -75	1	38.1	75	34	80	80	15.9	9	50	14	4.4	MBA-M20	125
5340 17038105	-105	1	38.1	105	34	80	80	15.9	9	50	14	5.7		
5340 17038135	-135	1	38.1	135	34	80	80	15.9	9	50	14	7.0		
5340 17050075	HSK100A -FMA50.8 -75	2	50.8	75	36	99	83	19.05	10	65	14	5.7	MBA-M24	150
5340 17050105	-105	2	50.8	105	36	99	83	19.05	10	65	14	7.7		
5340 17050135	-135	2	50.8	135	36	99	83	19.05	10	65	14	9.7		

Clamp bolt is Included.

Ordering Example

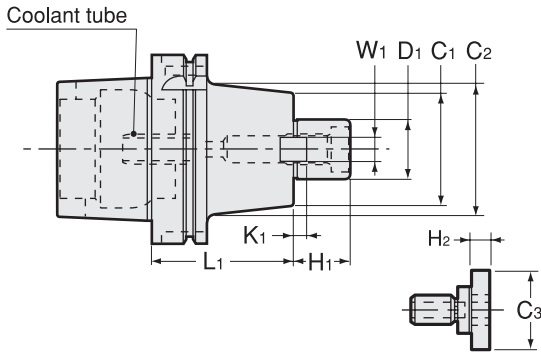
HSK63A - FMA 25.4 - 60
 Shank size D1 Projection length (L)

FMB

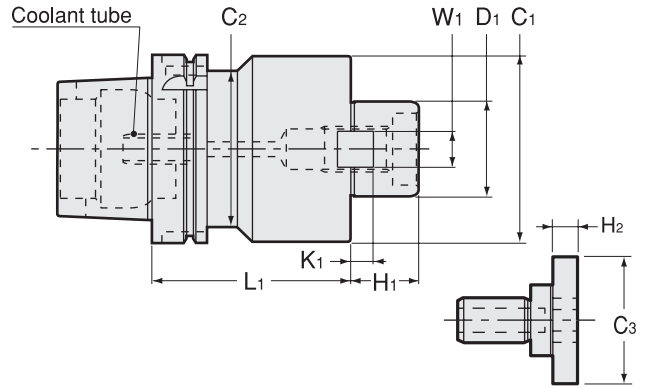
Face Mill Arbor

● For SANDVIK T-MAX face mill and shoulder cutter.

Type1



Type2



● Coolant tube is included.

Metric Sizes Unit : Metric

Code	Model	Type	D1	L1	H1	C1	C2	W1	K1	C3	H2	Clamp Bolt	Cutter dia. example
5340 13125060	HSK40A -FMB25.4 -60	2	25.4	60	26	80	34	9.5	5	33	10	MBA-M12	80
5340 13127060	HSK40A -FMB27 -60	2	27	60	26	80	34	12	6	33	10	MBA-M12	80
5340 14125060	HSK50A -FMB25.4 -60	2	25.4	60	26	80	42	9.5	5	33	10	MBA-M12	80
5340 14127060	HSK50A -FMB27 -60	2	27	60	26	80	42	12	6	33	10	MBA-M12	80
5340 25025060	HSK63A -FMB25.4 -60	2	25.4	60	26	80	53	9.5	5	33	10	MBA-M12	80
5340 25027060	HSK63A -FMB27 -60	2	27	60	26	80	53	12	6	33	10	MBA-M12	80
5340 25038060	HSK63A -FMB38.1 -60	2	38.1	60	26	85	48	15.9	9	50	14	MBA-M20	100 125
5340 27025090	HSK100A -FMB25.4 -90	1	25.4	90	26	80	80	9.5	5	33	10	MBA-M12	80
5340 27027090	HSK100A -FMB27 -90	1	27	90	26	80	80	12	6	33	10	MBA-M12	80
5340 27038105	HSK100A -FMB38.1 -105	1	38.1	105	26	85	85	15.9	9	50	14	MBA-M20	100 125

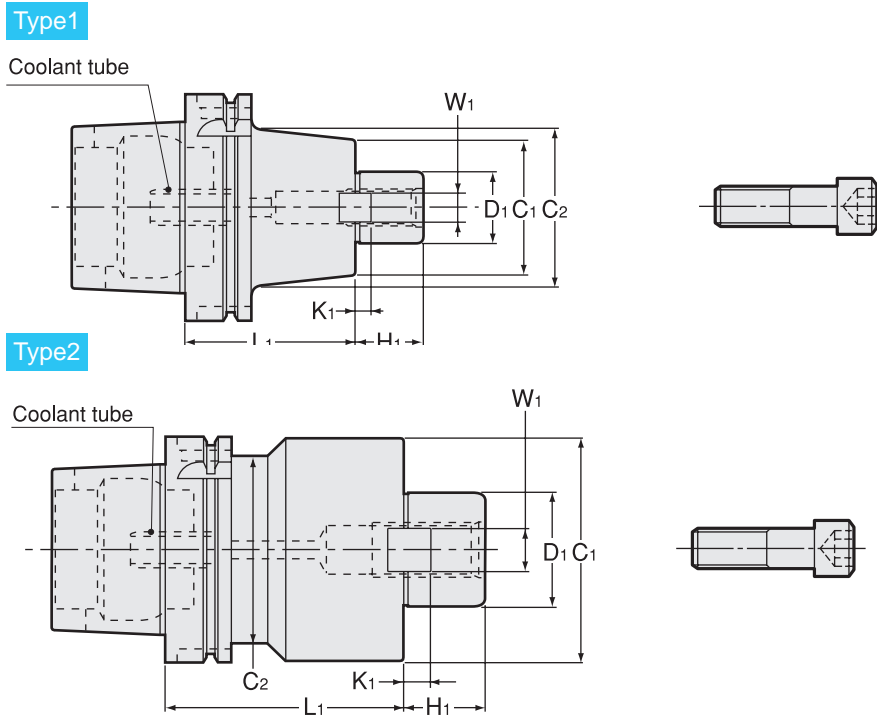
Clamp bolt is Included.

Ordering Example

HSK63A - FMB 25.4 - 60
Shank size D1 Projection length (L)

Face Mill Arbor

● For SANDVIK T-MAX shoulder face mill.



● Coolant tube is included.

Metric Sizes												Unit : Metric	
Code	Model	Type	D1	L1	H1	C1	C2	W1	K1	kg	Clamp Bolt (JIS B1176)	Cutter dia. example	
5340 13222045	HSK40A -FMC22 -45	2	22	45	18	45	31	10	5		M10	50 63	
5340 13225060	HSK40A -FMC25.4 -60	2	25.4	60	20	70	34	9.5	5		M12	80	
5340 14222060	HSK50A -FMC22 -60	2	22	60	18	45	42	10	5		M10	50 63	
5340 14225060	HSK50A -FMC25.4 -60	2	25.4	60	20	70	42	9.5	5		M12	80	
5340 35022060	HSK63A -FMC22 -60	1	22	60	18	45	45	10	5	1.1	M10	50 63	
5340 35025060	HSK63A -FMC25.4 -60	2	25.4	60	20	70	53	9.5	5		M12	80	
5340 35027060	HSK63A -FMC27 -60	2	27	60	20	70	53	12	6	1.6	M12	80	
5340 35038060	HSK63A -FMC38.1 -60	2	38.1	60	22	85	48	15.9	7		M16	100	
5340 37022090	HSK100A -FMC22 -90	1	22	90	18	45	85	10	5	3.7	M10	50 63	
5340 37025090	HSK100A -FMC25.4 -90	1	25.4	90	20	70	85	9.5	5		M12	80	
5340 37027090	HSK100A -FMC27 -90	1	27	90	20	70	85	12	6		M12	80	
5340 37038105	HSK100A -FMC38.1 -105	1	38.1	105	22	85	85	15.9	7		M16	100	

Clamp bolt is Included.

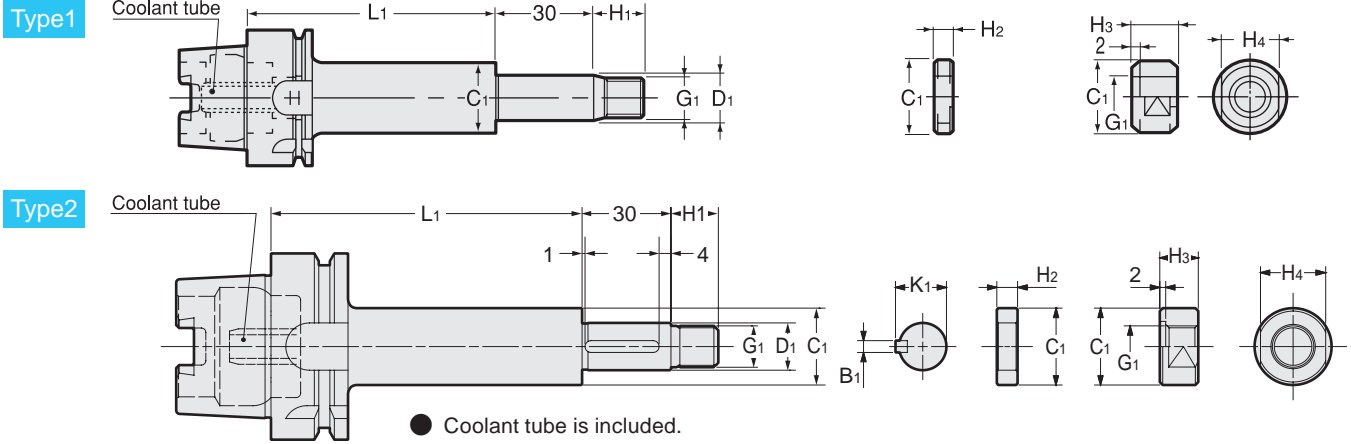
Ordering Example

HSK63A - FMC 25.4 - 60
 Shank size D1 Projection length (L)

SCA

Side Cutter Arbor

● For JIS side cutter and metal saw.



Metric Sizes														Unit : Metric	
Code	Model	Type	D1 (h6)	L1	C1	G1	H1	B1	K1	H2	H3	H4	kg	Cutting dia. Example	
5540 13013075	HSK40A -SCA13 -75	1	13	75	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17		50	
5540 13016075	HSK40A -SCA16 -75	2	16	75	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22		50 ~ 63	
5540 13022075	HSK40A -SCA22 -75	2	22	75	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30		60 ~ 125	
5540 13112075	HSK40A -SCA12.7 -75	1	12.7	75	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17		50	
5540 13115075	HSK40A -SCA15.875 -75	2	15.875	75	26	M14 × 1.5	16	3.18	17.42	3,5,7,8,10,12	13	22		50 ~ 63	
5540 13122075	HSK40A -SCA22.225 -75	2	22.225	75	34	M20 × 1.5	21	3.18	23.82	3,5,7,8,10,12	18	30		60 ~ 125	
5540 14013075	HSK50A -SCA13 -75	1	13	75	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17		50	
5540 14016075	HSK50A -SCA16 -75	2	16	75	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22		50 ~ 63	
5540 14022075	HSK50A -SCA22 -75	2	22	75	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30	1.2	60 ~ 125	
5540 14112075	HSK50A -SCA12.7 -75	1	12.7	75	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17		50	
5540 14115075	HSK50A -SCA15.875 -75	2	15.875	75	26	M14 × 1.5	16	3.18	17.42	3,5,7,8,10,12	13	22		50 ~ 63	
5540 14122075	HSK50A -SCA22.225 -75	2	22.225	75	34	M20 × 1.5	21	3.18	23.82	3,5,7,8,10,12	18	30		60 ~ 125	
5540 15013060	HSK63A -SCA13 -60	1	13	60	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17	1.0	50	
5540 15013090	HSK63A -SCA13 -90	1	13	90	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17	1.0	50	
5540 15016075	HSK63A -SCA16 -75	2	16	75	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22	1.4	50 ~ 63	
5540 15016105	HSK63A -SCA16 -105	2	16	105	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22	1.5	50 ~ 63	
5540 15022075	HSK63A -SCA22 -75	2	22	75	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30	1.8	60 ~ 125	
5540 15022120	HSK63A -SCA22 -120	2	22	120	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30	1.8	60 ~ 125	
5540 15027075	HSK63A -SCA27 -75	2	27	75	40	M24 × 2	25	7	29	3,5,7,8,10,12	21	32	2.0	75 ~ 100	
5540 15027120	HSK63A -SCA27 -120	2	27	120	40	M24 × 2	25	7	29	3,5,7,8,10,12	21	32	2.4	75 ~ 100	
5540 15032090	HSK63A -SCA32 -90	2	32	90	46	M30 × 2	30	8	34	3,5,7,8,10,12	26	41	2.4	100 ~ 250	
5540 17013075	HSK100A-SCA13 -75	1	13	75	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17	4.3	50	
5540 17013105	HSK100A-SCA13 -105	1	13	105	20	M12 × 1.25	15	—	—	3,5,7,8,10,12	12	17	4.4	50	
5540 17016090	HSK100A-SCA16 -90	2	16	90	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22	4.2	50 ~ 63	
5540 17016120	HSK100A-SCA16 -120	2	16	120	26	M14 × 1.5	16	4	17.2	3,5,7,8,10,12	13	22	4.4	50 ~ 63	
5540 17022090	HSK100A-SCA22 -90	2	22	90	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30	4.4	60 ~ 125	
5540 17022135	HSK100A-SCA22 -135	2	22	135	34	M20 × 1.5	21	6	23.6	3,5,7,8,10,12	18	30	4.7	60 ~ 125	
5540 17027090	HSK100A-SCA27 -90	2	27	90	40	M24 × 2	25	7	29	3,5,7,8,10,12	21	32	4.5	75 ~ 100	
5540 17027135	HSK100A-SCA27 -135	2	27	135	40	M24 × 2	25	7	29	3,5,7,8,10,12	21	32	4.9	75 ~ 100	
5540 17032090	HSK100A-SCA32 -90	2	32	90	46	M30 × 2	30	8	34	3,5,7,8,10,12	26	41	4.7	100 ~ 250	
5540 17032135	HSK100A-SCA32 -135	2	32	135	46	M30 × 2	30	8	34	3,5,7,8,10,12	26	41	5.2	100 ~ 250	
5540 17040090	HSK100A-SCA40 -90	2	40	90	55	M36 × 3	36	10	42.5	3,5,7,8,10,12	31	46	4.9	150 ~ 315	
5540 17040135	HSK100A-SCA40 -135	2	40	135	55	M36 × 3	36	10	42.5	3,5,7,8,10,12	31	46	5.9	150 ~ 315	

One clamp nut and spacers (size 3, 5, 7, 8, 10, and 12 / one each) are included.

Ordering Example

HSK40A - SCA 13 - 75

Shank size

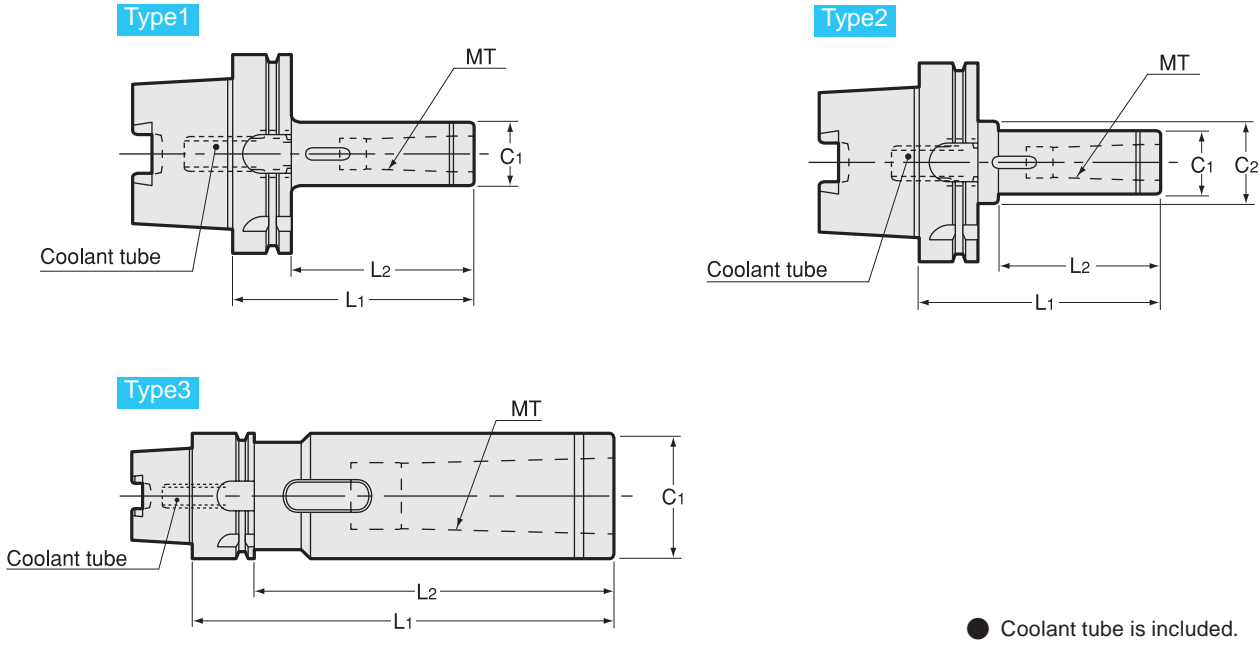
D1

Projection length (L)

MTA

Morse Taper Holder

● For Morse taper shank with tang.

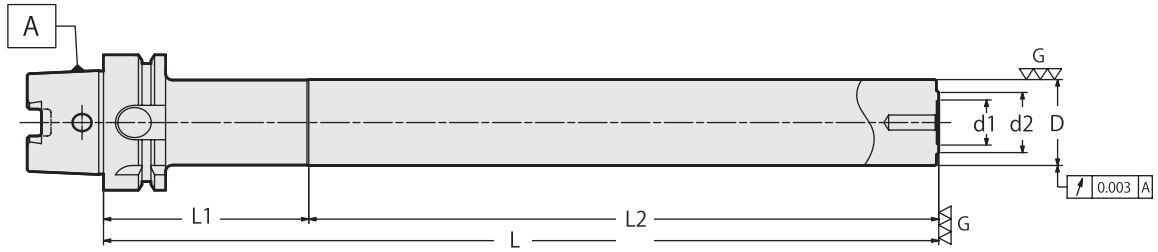


Metric Sizes									Unit : Metric
Code	Model	Type	MT	L1	C1	L2	C2	kg	
5400 13001090	HSK40A -MTA1 -90	1	1	90	25	70	—		
5400 13002105	HSK40A -MTA2 -105	1	2	105	32	85	—		
5400 13003135	HSK40A -MTA3 -135	3	3	135	40	115	—	0.98	
5400 14001095	HSK50A -MTA1 -95	1	1	95	25	69	—		
5400 14002110	HSK50A -MTA2 -110	1	2	110	32	84	—		
5400 14003135	HSK50A -MTA3 -135	1	3	135	40	109	—		
5400 15001105	HSK63A -MTA1 -105	1	1	105	25	79	—		
5400 15002120	HSK63A -MTA2 -120	1	2	120	32	94	—		
5400 15003150	HSK63A -MTA3 -150	1	3	150	40	124	—		
5400 15004165	HSK63A -MTA4 -165	1	4	165	50	139	—		
5400 17001105	HSK100A -MTA1 -105	2	1	105	25	66	32	2.3	
5400 17002120	HSK100A -MTA2 -120	1	2	120	32	91	—		
5400 17003135	HSK100A -MTA3 -135	1	3	135	40	106	—		
5400 17004165	HSK100A -MTA4 -165	1	4	165	50	136	—		
5400 17005195	HSK100A -MTA5 -195	1	5	195	65	166	—		

Ordering Example
HSK63A - MTA1 - 105
 Shank size MT Projection length (L)

MS

Master Arbor



Metric Sizes

Unit : Metric

Code	Model	L	L1	L2	D	d1	d2	kg
5560 12240180	HSK32A -MS24 -180	180	50	130	24	11	18	
5560 13240180	HSK40A -MS24 -180	180	50	130	24	11	18	
5560 14320250	HSK50A -MS32 -250	250	56	194	32	16	23	
5560 15400350	HSK63A -MS40 -350	350	86	264	40	21	28	3.8
5560 17400350	HSK100A -MS40 -350	350	89	261	40	21	28	5.1

Ordering Example

HSK63A - MS40 - 350

Shank size O.D. (D) Projection length (L)

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill

Milling Chuck

Collet Holder

"R"-Zero Holder

Hydraulic Chuck

Shrink Fit

Tapping Chuck

Arbors

Function Holder

HSK-E

HSK-F

HSK-C

Tool Shank Dimensions

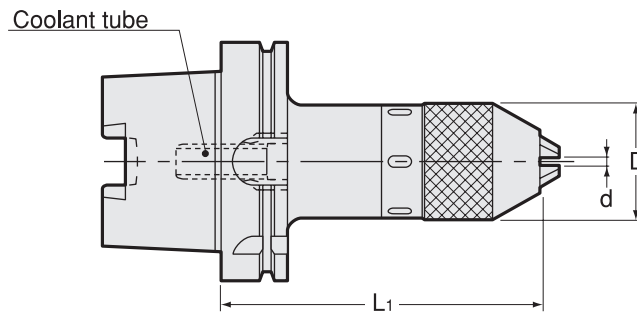
352

MEMO

KLD

Keyless Drill Chuck

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill



● Coolant tube is included.

Milling Chuck

Metric Sizes

Unit : Metric

Code	Model	d	L1	D	kg	Spanner
5440 13060105	HSK40A -KLD6.5 -105	0.5 ~ 6.5	105	34	0.66	FC6.5LC
5440 14130135	HSK50A -KLD13 -135	0.5 ~ 13	135	50	1.7	FC13LC
5440 15130135	HSK63A -KLD13 -135	0.5 ~ 13	135	50	2.0	FC13LC
5440 17130135	HSK100A -KLD13 -135	0.5 ~ 13	135	50	3.4	FC13LC

Collet Holder

"R" Zero Holder

Hydraulic Chuck

Spanner (option)

Code	Model
2685 00000065	FC6.5LC
2685 00000130	FC13LC

Shrink Fit

Tapping Chuck

Ordering Example

HSK40A - KLD13 - 135
 Shank size Max. chucking dia. Projection length (L)

Arbors

Function Holder

HSK-E

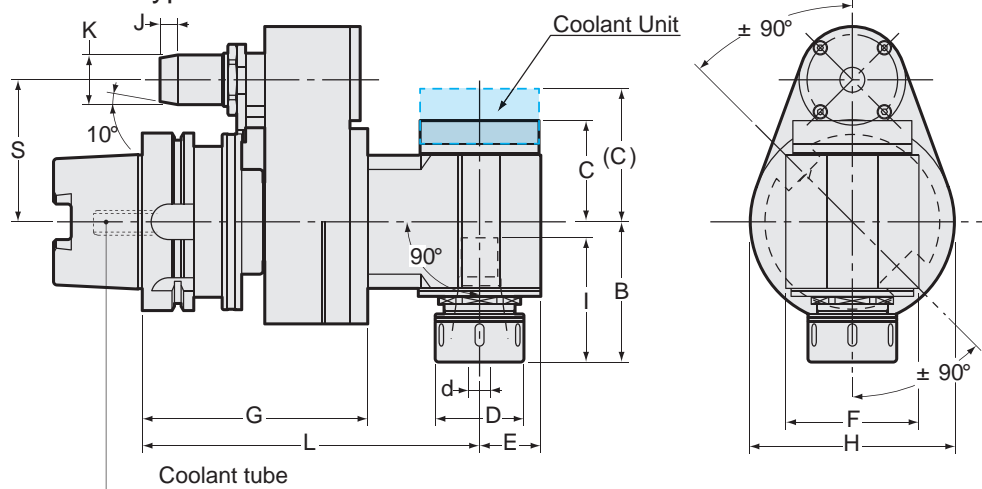
HSK-F

HSK-C

Tool Shank Dimensions

Angle Heads (ER Collet Type)

90° Fixed Type



● Coolant tube is included.

※ Requires a positioning block. Please refer to P.179-180.

Unit : Inch

Code	Model	d	L	G	E	D	F	H	C (C)	B	I	J	K	S
5660 251176 ※※	HSK63A -AHE1190 -170 -65- ※※	0.020-0.276	6.693	4.843	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251106 ※※	-200 -65- ※※	0.020-0.276	7.874	4.843	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251136 ※※	-230 -65- ※※	0.020-0.276	9.055	4.843	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251166 ※※	-260 -65- ※※	0.020-0.276	10.236	5.512	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251196 ※※	-290 -65- ※※	0.020-0.276	11.417	5.512	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251676 ※※	HSK63A -AHE1690 -170 -65- ※※	0.020-0.394	6.693	4.843	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251606 ※※	-200 -65- ※※	0.020-0.394	7.874	4.843	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251636 ※※	-230 -65- ※※	0.020-0.394	9.055	4.843	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 251666 ※※	-260 -65- ※※	0.020-0.394	10.236	5.512	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252076 ※※	HSK63A -AHE2090 -170 -65- ※※	0.020-0.512	6.693	4.843	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252006 ※※	-200 -65- ※※	0.020-0.512	7.874	4.843	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252036 ※※	-230 -65- ※※	0.020-0.512	9.055	4.843	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252576 ※※	HSK63A -AHE2590 -170 -65- ※※	0.020-0.630	6.693	4.843	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252506 ※※	-200 -65- ※※	0.020-0.630	7.874	4.843	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 252536 ※※	-230 -65- ※※	0.020-0.630	9.055	4.843	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.315	0.772 (19.6mm)	2.559 (65mm)
5660 271178 ※※	HSK100A -AHE1190 -175 -80- ※※	0.020-0.276	6.890	5.039	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.394	1.102 (28mm)	3.150 (80mm)
5660 271108 ※※	-205 -80- ※※	0.020-0.276	8.071	5.039	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.394	1.102 (28mm)	3.150 (80mm)
5660 271138 ※※	-235 -80- ※※	0.020-0.276	9.252	5.039	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.394	1.102 (28mm)	3.150 (80mm)
5660 271168 ※※	-265 -80- ※※	0.020-0.276	10.433	5.709	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.394	1.102 (28mm)	3.150 (80mm)
5660 271198 ※※	-295 -80- ※※	0.020-0.276	11.614	5.709	0.669	0.906	2.008	3.543	1.299 (1.830)	1.693	1.575	0.394	1.102 (28mm)	3.150 (80mm)

BT
CAT
AHO
HSK-AE/FC
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill
Milling Chuck
Collet Holder
"R"-Zero Holder
Hydraulic Chuck
Shrink Fit
Tapping Chuck
Arbors
Function Holder
HSK-E
HSK-F
HSK-C
Tool Shank Dimensions


Code	Model	d	L	G	E	D	F	H	C (C)	B	I	J	K	S
5660 271678 ※※	HSK100A -AHE1690 -175 -80- ※※	0.020-0.394	6.890	5.039	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.394	1.102 (28mm)	3.150 (80mm)
5660 271608 ※※	-205 -80- ※※	0.020-0.394	8.071	5.039	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.394	1.102 (28mm)	3.150 (80mm)
5660 271638 ※※	-235 -80- ※※	0.020-0.394	9.252	5.039	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.394	1.102 (28mm)	3.150 (80mm)
5660 271668 ※※	-265 -80- ※※	0.020-0.394	10.433	5.709	0.866	1.260	2.283	3.543	1.752 (2.303)	2.441	2.559	0.394	1.102 (28mm)	3.150 (80mm)
5660 272078 ※※	HSK100A -AHE2090 -175 -80- ※※	0.020-0.512	6.890	5.039	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 272008 ※※	-205 -80- ※※	0.020-0.512	8.071	5.039	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 272038 ※※	-235 -80- ※※	0.020-0.512	9.252	5.039	1.102	1.378	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 272578 ※※	HSK100A -AHE2590 -175 -80- ※※	0.020-0.630	6.890	5.039	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 272508 ※※	-205 -80- ※※	0.020-0.630	8.071	5.039	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 272538 ※※	-235 -80- ※※	0.020-0.630	9.252	5.039	1.102	1.654	2.638	3.543	2.008 (2.539)	2.717	2.717	0.394	1.102 (28mm)	3.150 (80mm)
5660 273298 ※※	HSK100A -AHE3290 -190 -80- ※※	0.098-0.787	7.480	5.000	1.358	1.969	2.953	4.528	2.244 (2.776)	3.110	2.953	0.394	1.102 (28mm)	3.150 (80mm)
5660 273228 ※※	-220 -80- ※※	0.098-0.787	8.661	5.000	1.358	1.969	2.953	4.528	2.244 (2.776)	3.110	2.953	0.394	1.102 (28mm)	3.150 (80mm)
5660 273258 ※※	-250 -80- ※※	0.098-0.787	9.843	5.000	1.358	1.969	2.953	4.528	2.244 (2.776)	3.110	2.953	0.394	1.102 (28mm)	3.150 (80mm)
5660 274008 ※※	HSK100A -AHE4090 -205 -80- ※※	0.118-1.024	8.071	5.000	1.772	2.480	3.543	4.528	2.874 (3.406)	3.740	3.937	0.394	1.102 (28mm)	3.150 (80mm)
5660 274001 ※※	-205 -110- ※※	0.118-1.024	8.071	5.000	1.772	2.480	3.543	4.528	2.874 (3.406)	3.740	3.937	0.394	1.102 (28mm)	4.331 (110mm)

- ※ is for A dimension. Please refer to P. 179.
- When ordering, please specify plunger size ("A" dimension).
- Center-thru coolant types are produced upon request.
- Plunger is fixed (non-adjustable)
- Collet and spanner are sold separately.

Size	Collet	Nut	Spanner
AHE1190	ER11	HDP-07A	S-0
AHE1690	ER16	ERP-16	FK0030
AHE2090	ER20	ERP-20	FK0034
AHE2590	ER25	ERP-25	HS-1-16
AHE3290	ER32	ERP-32	HS-2-20
AHE4090	ER40	ERP-40	HS-2.5-25


Collet

P. 090-091



Spanner

P. 095



Ordering Example

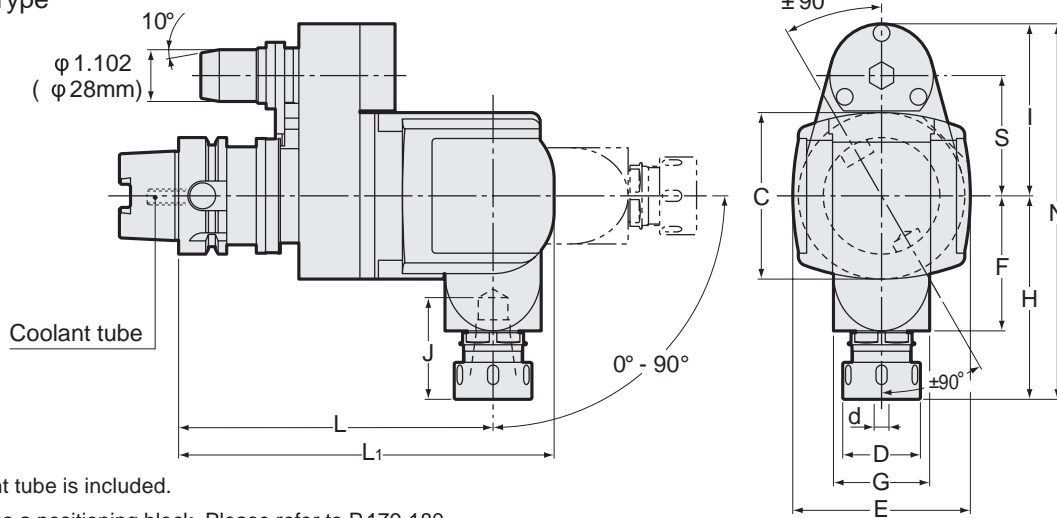
HSK63A - AH 16 90 - 170 - 65 - **
 Shank size Max. collet I.D. Angle Projection length (L) S Dimension A

AHSE, AHLE

0°-90°

Angle Heads (ER Collet Type)

Flexible Type



● Coolant tube is included.

※ Requires a positioning block. Please refer to P.179-180.

Unit : Inch

Code	Model	d	L	L1	D	C	E	F	G	H	J	I	N	S
5634 051176**	HSK63A -AHSE11 -170 -65-**	0.020-0.276	6.693	7.992	0.906	3.543	3.780	2.874	2.047	3.937	2.559	3.661	7.598	2.559 (65mm)
5634 051676**	HSK63A -AHSE16 -170 -65-**	0.020-0.394	6.693	7.992	1.260	3.543	3.780	2.874	2.047	4.331	2.559	3.661	7.992	2.559 (65mm)
5634 052076**	HSK63A -AHSE20 -170 -65-**	0.020-0.512	6.693	7.992	1.378	3.543	3.780	2.874	2.047	4.331	2.165	3.661	7.992	2.559 (65mm)
5634 052576**	HSK63A -AHSE25 -170 -65-**	0.020-0.630	6.693	7.992	1.654	3.543	3.780	2.874	2.047	4.331	2.165	3.661	7.992	2.559 (65mm)
5634 071178**	HSK100A -AHSE11 -175 -80-**	0.020-0.276	6.890	8.189	0.906	3.543	3.780	2.874	2.047	3.937	2.559	4.252	8.189	3.150 (80mm)
5634 071678**	HSK100A -AHSE16 -175 -80-**	0.020-0.394	6.890	8.189	1.260	3.543	3.780	2.874	2.047	4.331	2.559	4.252	8.583	3.150 (80mm)
5634 072078**	HSK100A -AHSE20 -175 -80-**	0.020-0.512	6.890	8.189	1.378	3.543	3.780	2.874	2.047	4.331	2.165	4.252	8.583	3.150 (80mm)
5634 072578**	HSK100A -AHSE25 -175 -80-**	0.020-0.630	6.890	8.189	1.654	3.543	3.780	2.874	2.047	4.331	2.165	4.252	8.583	3.150 (80mm)
5634 071171**	HSK100A -AHSE11 -175 -110-**	0.020-0.276	6.890	8.189	0.906	3.543	3.780	2.874	2.047	3.937	2.559	5.433	9.370	4.331 (110mm)
5634 071671**	HSK100A -AHSE16 -175 -110-**	0.020-0.394	6.890	8.189	1.260	3.543	3.780	2.874	2.047	4.331	2.559	5.433	9.764	4.331 (110mm)
5634 072071**	HSK100A -AHSE20 -175 -110-**	0.020-0.512	6.890	8.189	1.378	3.543	3.780	2.874	2.047	4.331	2.165	5.433	9.764	4.331 (110mm)
5634 072571**	HSK100A -AHSE25 -175 -110-**	0.020-0.630	6.890	8.189	1.654	3.543	3.780	2.874	2.047	4.331	2.165	5.433	9.764	4.331 (110mm)
5634 172078**	HSK100A -AHLE20 -175 -80-**	0.020-0.512	6.890	8.465	1.378	4.331	4.646	3.071	2.598	4.724	2.953	4.252	8.976	3.150 (80mm)
5634 172578**	HSK100A -AHLE25 -175 -80-**	0.020-0.630	6.890	8.465	1.654	4.331	4.646	3.071	2.598	4.724	2.953	4.252	8.976	3.150 (80mm)
5634 173278**	HSK100A -AHLE32 -175 -80-**	0.098-0.787	6.890	8.465	1.969	4.331	4.646	3.071	2.598	4.724	2.953	4.252	8.976	3.150 (80mm)
5634 172071**	HSK100A -AHLE20 -175 -110-**	0.020-0.512	6.890	8.465	1.378	4.331	4.646	3.071	2.598	4.724	2.953	5.433	10.157	4.331 (110mm)
5634 172571**	HSK100A -AHLE25 -175 -110-**	0.020-0.630	6.890	8.465	1.654	4.331	4.646	3.071	2.598	4.724	2.953	5.433	10.157	4.331 (110mm)
5634 173271**	HSK100A -AHLE32 -175 -110-**	0.098-0.787	6.890	8.465	1.969	4.331	4.646	3.071	2.598	4.724	2.953	5.433	10.157	4.331 (110mm)

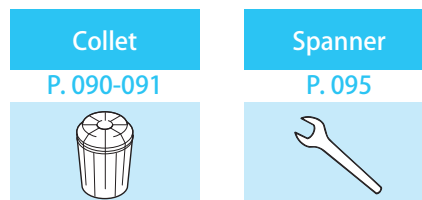
- ※ is for A dimension. Please refer to P. 179.
- When ordering, please specify plunger size ("A" dimension).
- Center-thru coolant types are produced upon request.
- Plunger is fixed (non-adjustable)
- Collet and spanner are sold separately.

Size	Collet	Nut	Spanner
AHSE11	ER11	HDP-07A	S-0
AHSE16	ER16	ERP-16	FK0030
AHSE20	ER20	ERP-20	FK0034
AHSE25	ER25	ERP-25	HS-1-16
AHLE20	ER20	ERP-20	FK0034
AHLE25	ER25	ERP-25	HS-1-16
AHLE32	ER32	ERP-32	HS-2-20

Ordering Example

HSK63A - AHE 16 90 - 170 - 65 - **

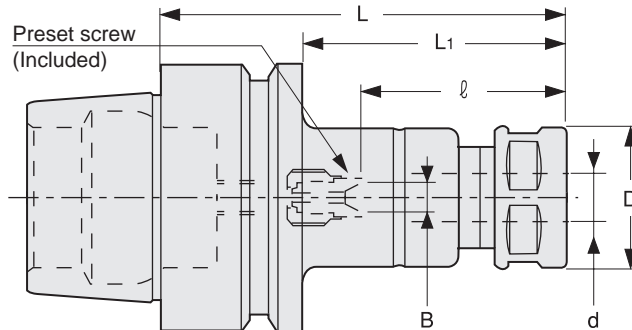
Shank size Max. Angle Projection S Dimension
collet I.D. length (L) A



HDC·A

High-Precision Collet Holder

- Suitable for drilling, reaming and finish endmilling.



Unit : Metric

Code	Model	d	L	L1	B	ℓ	D	Nut	Preset Screw	Collet	Spanner
5360 51107040	HSK25E -HDC07A -40	0.5 ~ 7.0	40	30	—	29	23	HDP-07A	—	FDC-07	S-0
5360 51107060	-60	0.5 ~ 7.0	60	50	0 ~ 4	22 ~ 30	23	HDP-07A	HDS-07	FDC-07	S-0
5360 51109045	HSK25E -HDC09A -45	2.5 ~ 9.0	45	35	—	33	26	HDP-09	—	FDC-09	S-1L
5360 51109060	-60	2.5 ~ 9.0	60	50	0 ~ 4	27 ~ 36	26	HDP-09	HDS-09	FDC-09	S-1L
5360 52107045	HSK32E -HDC07A -45	0.5 ~ 7.0	45	25	—	31	23	HDP-07A	—	FDC-07	S-0
5360 52107060	-60	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 27	23	HDP-07A	HDS-07	FDC-07	S-0
5360 52109050	HSK32E -HDC09A -50	2.5 ~ 9.0	50	30	—	35	26	HDP-09	—	FDC-09	S-1L
5360 52109060	-60	2.5 ~ 9.0	60	40	0 ~ 4	27 ~ 33	26	HDP-09	HDS-09	FDC-09	S-1L
5360 52112060	HSK32E -HDC12A -60	2.5 ~ 12.0	60	40	—	44	32	HDP-12	—	FDC-12	S-3L
5360 52112075	-75	2.5 ~ 12.0	75	55	0 ~ 5	33 ~ 47	32	HDP-12	HDS-12	FDC-12	S-3L
5360 53107045	HSK40E -HDC07A -45	0.5 ~ 7.0	45	25	—	31	23	HDP-07A	—	FDC-07	S-0
5360 53107060	-60	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 27	23	HDP-07A	HDS-07	FDC-07	S-0
5360 53107075	-75	0.5 ~ 7.0	75	55	0 ~ 4	22 ~ 42	23	HDP-07A	HDS-07	FDC-07	S-0
5360 53107090	-90	0.5 ~ 7.0	90	70	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07	FDC-07	S-0
5360 53107120	-120	0.5 ~ 7.0	120	100	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07	FDC-07	S-0
5360 53109045	HSK40E -HDC09A -45	2.5 ~ 9.0	45	25	—	30	26	HDP-09	—	FDC-09	S-1L
5360 53109060	-60	2.5 ~ 9.0	60	40	0 ~ 4	27 ~ 32	26	HDP-09	HDS-09	FDC-09	S-1L
5360 53109075	-75	2.5 ~ 9.0	75	55	0 ~ 4	27 ~ 42	26	HDP-09	HDS-09	FDC-09	S-1L
5360 53109090	-90	2.5 ~ 9.0	90	70	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09	FDC-09	S-1L
5360 53109120	-120	2.5 ~ 9.0	120	100	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09	FDC-09	S-1L
5360 53112060	HSK40E -HDC12A -60	2.5 ~ 12.0	60	40	—	44	32	HDP-12	—	FDC-12	S-3L
5360 53112075	-75	2.5 ~ 12.0	75	55	0 ~ 5	33 ~ 46	32	HDP-12	HDS-12	FDC-12	S-3L
5360 53112090	-90	2.5 ~ 12.0	90	70	0 ~ 5	33 ~ 49	32	HDP-12	HDS-12	FDC-12	S-3L
5360 53112120	-120	2.5 ~ 12.0	120	100	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12	FDC-12	S-3L
5360 53112150	-150	2.5 ~ 12.0	150	130	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12	FDC-12	S-3L
5360 53116060	HSK40E -HDC16A -60	3.5 ~ 16.0	60	40	—	43	36	HDP-16	—	FDC-16	S-4L
5360 53116075	-75	3.5 ~ 16.0	75	55	0 ~ 6	38 ~ 46	36	HDP-16	HDS-16	FDC-16	S-4L
5360 53116090	-90	3.5 ~ 16.0	90	70	0 ~ 6	38 ~ 48	36	HDP-16	HDS-16	FDC-16	S-4L
5360 53116120	-120	3.5 ~ 16.0	120	100	0 ~ 6	38 ~ 78	36	HDP-16	HDS-16	FDC-16	S-4L
5360 53116150	-150	3.5 ~ 16.0	150	130	0 ~ 6	38 ~ 82	36	HDP-16	HDS-16	FDC-16	S-4L
5360 54107045	HSK50E -HDC07A -45	0.5 ~ 7.0	45	19	—	28	23	HDP-07A	—	FDC-07	S-0
5360 54107060	-60	0.5 ~ 7.0	60	34	0 ~ 4	22 ~ 28	23	HDP-07A	HDS-07	FDC-07	S-0
5360 54107075	-75	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 39	23	HDP-07A	HDS-07	FDC-07	S-0
5360 54107090	-90	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07	FDC-07	S-0
5360 54107120	-120	0.5 ~ 7.0	120	94	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07	FDC-07	S-0
5360 54109060	HSK50E -HDC09A -60	2.5 ~ 9.0	60	34	—	42	26	HDP-09	—	FDC-09	S-1L
5360 54109075	-75	2.5 ~ 9.0	75	49	0 ~ 4	27 ~ 38	26	HDP-09	HDS-09	FDC-09	S-1L
5360 54109090	-90	2.5 ~ 9.0	90	64	0 ~ 4	27 ~ 53	26	HDP-09	HDS-09	FDC-09	S-1L
5360 54109120	-120	2.5 ~ 9.0	120	94	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09	FDC-09	S-1L

Code	Model	d	L	L1	B	ℓ	D	Nut	Preset Screw	Collet	Spanner
5360 54112060	HSK50E -HDC12A -60	2.5 ~ 12.0	60	34	—	41	32	HDP-12	—	FDC-12	S-3L
5360 54112075	-75	2.5 ~ 12.0	75	49	0 ~ 5	33 ~ 43	32	HDP-12	HDS-12		
5360 54112090	-90	2.5 ~ 12.0	90	64	0 ~ 5	33 ~ 46	32	HDP-12	HDS-12		
5360 54112120	-120	2.5 ~ 12.0	120	94	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12		
5360 54112150	-150	2.5 ~ 12.0	150	124	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12		
5360 54116060	HSK50E -HDC16A -60	3.5 ~ 16.0	60	34	—	40	36	HDP-16	—	FDC-16	S-4L
5360 54116075	-75	3.5 ~ 16.0	75	49	—	54	36	HDP-16	HDS-16		
5360 54116090	-90	3.5 ~ 16.0	90	64	0 ~ 6	38 ~ 48	36	HDP-16	HDS-16		
5360 54116120	-120	3.5 ~ 16.0	120	94	0 ~ 6	38 ~ 78	36	HDP-16	HDS-16		
5360 54116150	-150	3.5 ~ 16.0	150	124	0 ~ 6	38 ~ 82	36	HDP-16	HDS-16		
5360 54122075	HSK50E -HDC22A -75	3.5 ~ 22.0	75	49	—	53	46	HDP-22	—	FDC-22	S-5L
5360 54122090	-90	3.5 ~ 22.0	90	64	0 ~ 8	47 ~ 56	46	HDP-22	HDS-22		
5360 54122120	-120	3.5 ~ 22.0	120	94	0 ~ 8	47 ~ 73	46	HDP-22	HDS-22		
5360 54122150	-150	3.5 ~ 22.0	150	124	0 ~ 8	47 ~ 103	46	HDP-22	HDS-22		

1. Collet, spanner and hexagon head preset screw are sold separately. Standard preset screw is included.
2. ℓ indicates dimension when using with a preset screw.
3. See P.499 for standard Tightening Torque.



Ordering Example

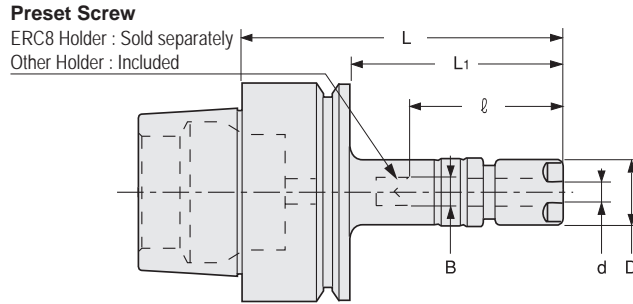
HSK50E - HDC 12 A - 60

Shank size Max. collet I.D. Projection length (L)

ERC

Collet Holder For Small Diameters

● For drilling in tight space.



Unit : Metric

Code	Model	d	L	L1	B	l	D	Nut	Preset Screw	Collet	Spanner
5370 50108035	HSK25E -ERC8 -35	0.5 ~ 5.0	35	25	—	24	12	ERP-8	—		
5370 50108045	-45	0.5 ~ 5.0	45	35	—	34	12	ERP-8	—	ER8	S-8E
5370 50108060	-60	0.5 ~ 5.0	60	50	(0 ~ 2.4)	³⁴ (19 ~ 23)	12	ERP-8	(ES8)		
5370 50110045	HSK25E -ERC11S -45	0.5 ~ 7.0	45	35	—	34	16	ERP-11S	—	ER11	S-11E
5370 50110060	-60	0.5 ~ 7.0	60	50	0 ~ 4	22 ~ 30	16	ERP-11S	HDS-07A-ES11		
5370 50208045	HSK32E -ERC8 -45	0.5 ~ 5.0	45	25	—	31	12	ERP-8	—	ER8	S-8E
5370 50208060	-60	0.5 ~ 5.0	60	40	—	34	12	ERP-8	—		
5370 50210045	HSK32E -ERC11S -45	0.5 ~ 7.0	45	25	—	31	16	ERP-11S	—	ER11	S-11E
5370 50210060	-60	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 27	16	ERP-11S	HDS-07A-ES11		
5370 50308040	HSK40E -ERC8 -40	0.5 ~ 5.0	40	20	—	26	12	ERP-8	—	ER8	S-8E
5370 50308060	-60	0.5 ~ 5.0	60	40	(0 ~ 2.4)	³⁴ (19 ~ 22)	12	ERP-8	(ES8)		
5370 50310045	HSK40E -ERC11S -45	0.5 ~ 7.0	45	25	—	31	16	ERP-11S	—	ER11	S-11E
5370 50310060	-60	0.5 ~ 7.0	60	40	0 ~ 4	22 ~ 24	16	ERP-11S	HDS-07A-ES11		
5370 50408045	HSK50E -ERC8 -45	0.5 ~ 5.0	45	19	—	35	12	ERP-8	—		
5370 50408060	-60	0.5 ~ 5.0	60	34	—	50	12	ERP-8	—	ER8	S-8E
5370 50408075	-75	0.5 ~ 5.0	75	49	(0 ~ 2.4)	³⁴ (19 ~ 26)	12	ERP-8	(ES8)		
5370 50410045	HSK50E -ERC11S -45	0.5 ~ 7.0	45	19	—	28	16	ERP-11S	—		
5370 50410060	-60	0.5 ~ 7.0	60	34	0 ~ 4	22 ~ 28	16	ERP-11S	HDS-07A-ES11	FDC-07	S-11E
5370 50410075	-75	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 39	16	ERP-11S	HDS-07A-ES11		

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8, is sold separately.
3. "B" and "l" dimensions in brackets are for using ES8 preset screw.
4. See P.499 for standard Tightening Torque.

Collet P. 090-091 	Spanner P. 095 	Preset screw P. 094 
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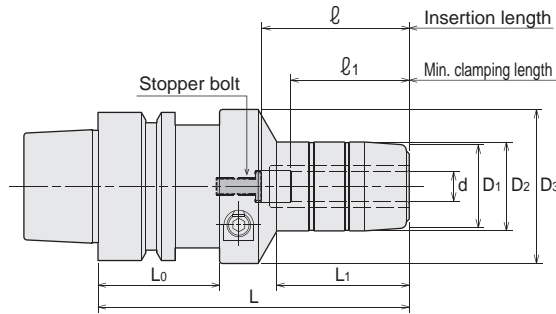
Ordering Example

HSK40E - ERC 8 - 40
 Shank size Max. collet I.D. Projection length (L)

PHC-A

Power Hydro Chuck

- Hydro chuck with collet holder flexibility. Suitable for high precision cutting.



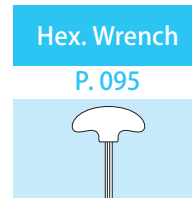
Metric Sizes												Unit : Metric
Code	Model	d	L	L1	D1	D2	D3	L0	l	l1	Kg	Wrench (Option)
5730 53206090	HSK40E -PHC06A-90	6	90	30	24	26	46	35	34	29	0.7	L-4T (4mm)
5730 53207090	HSK40E -PHC07A-90	7	90	30	26	28	46	35	34	29		
5730 53208090	HSK40E -PHC08A-90	8	90	30	26	28	46	35	34	29		
5730 53209105	HSK40E -PHC09A-105	9	105	44	28	30	52	35	50	40		
5730 53210105	HSK40E -PHC10A-105	10	105	44	28	30	52	35	50	40		
5730 53211105	HSK40E -PHC11A-105	11	105	45	30	32	52	35	50	40		
5730 53212105	HSK40E -PHC12A-105	12	105	45	30	32	52	35	50	40		L-4T (4mm)
5730 54206090	HSK50E -PHC06A-90	6	90	30	24	26	46	41	34	29	0.9	
5730 54207090	HSK50E -PHC07A-90	7	90	30	26	28	46	41	34	29		
5730 54208090	HSK50E -PHC08A-90	8	90	30	26	28	46	41	34	29		
5730 54209105	HSK50E -PHC09A-105	9	105	44	28	30	52	41	50	40		
5730 54210105	HSK50E -PHC10A-105	10	105	44	28	30	52	41	50	40		
5730 54211105	HSK50E -PHC11A-105	11	105	45	30	32	52	41	50	40		
5730 54212105	HSK50E -PHC12A-105	12	105	45	30	32	52	41	50	40		
5730 54213105	HSK50E -PHC13A-105	13	105	46	34	36	52	41	50	40		
5730 54214105	HSK50E -PHC14A-105	14	105	46	34	36	52	41	50	40		
5730 54215105	HSK50E -PHC15A-105	15	105	46	36	38	52	41	50	40		
5730 54216105	HSK50E -PHC16A-105	16	105	46	36	38	52	41	50	40		
5730 54220105	HSK50E -PHC20A-105	20	105	49	40	42	46	41	50	40		

1. Please use a cutting tool with a tolerance of less than h7. A tolerance of less than 0/-001 is recommended for new cutting tools.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.
3. PHC12A and PHC20A have pin holes for collet with stopper pin on its body.

Ordering Example

HSK50E - PHC 12 A - 105
 Shank size I.D. (d) Projection length (L)

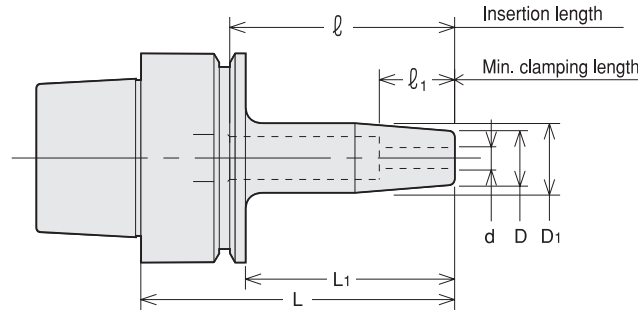
Tightening torque (Torque wrench : p.498)		
model	I.D. (d) mm	Tightening torque (Nm)
PHC-A	06 ~ 08	11 ~ 12
PHC-A	09 ~ 20	7 ~ 8
PHC-A	25, 32	29 ~ 30



SRE

Shrink Fit (Small Diameter Type)

● Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Small diameter type)



Metric Sizes

Unit : Metric

Code	Model	d	L	L1	D	D1	l1	l
5640 91103035	HSK25E -SRE3A -35	3	35	25	11.5	14.5	13	20
5640 91103050	-50	3	50	40	11.5	14.5	13	35
5640 91104035	HSK25E -SRE4A -35	4	35	25	11.5	14.5	16	20
5640 91104050	-50	4	50	40	11.5	14.5	16	35
5640 91105035	HSK25E -SRE5A -35	5	35	25	13	16	19	20
5640 91105050	-50	5	50	40	13	16	19	35
5640 91106035	HSK25E -SRE6A -35	6	35	25	13	16	19	20
5640 91106050	-50	6	50	40	13	16	19	35
5640 91108035	HSK25E -SRE8A -35	8	35	25	13	16	19	20
5640 91108050	-50	8	50	40	13	16	19	35
5640 91203045	HSK32E -SRE3A -45	3	45	25	11.5	14.5	13	28
5640 91203060	-60	3	60	40	11.5	14.5	13	43
5640 91204045	HSK32E -SRE4A -45	4	45	25	11.5	14.5	16	28
5640 91204060	-60	4	60	40	11.5	14.5	16	43
5640 91205045	HSK32E -SRE5A -45	5	45	25	13	16	19	28
5640 91205060	-60	5	60	40	13	16	19	43
5640 91206045	HSK32E -SRE6A -45	6	45	25	13	16	19	28
5640 91206060	-60	6	60	40	13	16	19	43
5640 91208045	HSK32E -SRE8A -45	8	45	25	13	16	19	28
5640 91208060	-60	8	60	40	13	16	19	43
5640 91303045	HSK40E -SRE3A -45	3	45	25	11.5	14.5	13	28
5640 91303060	-60	3	60	40	11.5	14.5	13	43
5640 91304045	HSK40E -SRE4A -45	4	45	25	11.5	14.5	16	28
5640 91304060	-60	4	60	40	11.5	14.5	16	43
5640 91305045	HSK40E -SRE5A -45	5	45	25	13	16	19	28
5640 91305060	-60	5	60	40	13	16	19	43
5640 91306045	HSK40E -SRE6A -45	6	45	25	13	16	19	28
5640 91306060	-60	6	60	40	13	16	19	43
5640 91306080	-80	6	80	60	13	18	19	63
5640 91308045	HSK40E -SRE8A -45	8	45	25	13	16	19	28
5640 91308060	-60	8	60	40	13	16	19	43
5640 91308080	-80	8	80	60	13	18	19	63
5640 91403050	HSK50E -SRE3A -50	3	50	24	11.5	14.5	13	31
5640 91403070	-70	3	70	44	11.5	14.5	13	51
5640 91404050	HSK50E -SRE4A -50	4	50	24	11.5	14.5	16	31
5640 91404070	-70	4	70	44	11.5	14.5	16	51
5640 91405050	HSK50E -SRE5A -50	5	50	24	13	16	19	31
5640 91405070	-70	5	70	44	13	16	19	51
5640 91406050	HSK50E -SRE6A -50	6	50	24	13	16	19	31
5640 91406070	-70	6	70	44	13	16	19	51
5640 91406090	-90	6	90	64	13	18	19	71
5640 91408050	HSK50E -SRE8A -50	8	50	24	13	16	19	31
5640 91408070	-70	8	70	44	13	16	19	51
5640 91408090	-90	8	90	64	13	18	19	71

Heating device chart

heating device	chuck	
	L1 ≤ 60mm	L1 > 60mm
ISG3400	Yes *	Yes
SRK-HA1, HB2	No	No

*Special induction coil is needed. Refer to P.500-501.

1. Always use carbide shank tools with h6 tolerance.
2. Center through coolant is not possible with SRE3A and SRE4A.

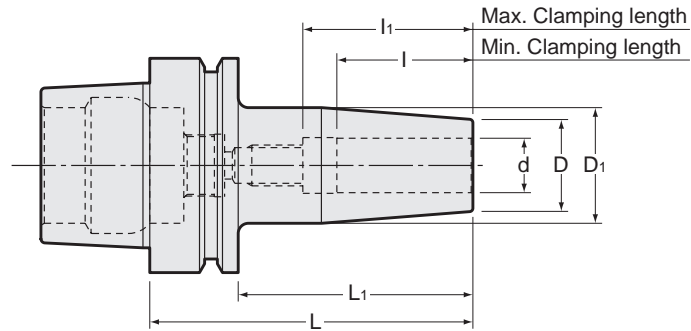
Ordering Example

HSK40E - SRE 6 A - 80
 Shank size I.D. (d) Projection length (L)

SRD

Shrink Fit (DIN Standard)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision, rigidity and strong chucking. (DIN Type)



Inch Sizes

Unit : Inch

Code	Model	d	L	L1	D	D1	I	I1
5644 43308080	HSK40E -SRD0250 A -80	0.250	3.150	2.362	0.827	1.063	1.024	1.417
5644 43308120	-120	0.250	4.724	3.937	0.827	1.063	1.024	1.417
5644 43308160	-160	0.250	6.299	5.512	0.827	1.063	1.024	1.417
5644 43310080	HSK40E -SRD0312 A -80	0.312	3.150	2.362	0.827	1.063	1.024	1.417
5644 43310120	-120	0.312	4.724	3.937	0.827	1.063	1.024	1.969
5644 43310160	-160	0.312	6.299	5.512	0.827	1.063	1.024	1.969
5644 43312080	HSK40E -SRD0375 A -80	0.375	3.150	2.362	0.945	1.260	1.260	1.654
5644 43312120	-120	0.375	4.724	3.937	0.945	1.260	1.260	1.969
5644 43312160	-160	0.375	6.299	5.512	0.945	1.260	1.260	1.969
5644 43316090	HSK40E -SRD0500 A -90	0.500	3.543	2.756	0.945	1.260	1.457	1.850
5644 43316120	-120	0.500	4.724	3.937	0.945	1.260	1.457	2.756
5644 43316160	-160	0.500	6.299	5.512	0.945	1.260	1.457	2.756
5644 43320090	HSK40E -SRD0625 A -90	0.625	3.543	2.756	1.063	1.339	1.575	1.969
5644 43320120	-120	0.625	4.724	3.937	1.063	1.339	1.575	2.756
5644 43320160	-160	0.625	6.299	5.512	1.063	1.339	1.575	2.756

Always use carbide shank tools with h6 tolerance.

Heating device chart

heating device	chuck	
	SRD0250A, SRD0312A	SRD0375A~SRD1500A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

HSK40A - SRD 0250 A - 120

Shank size

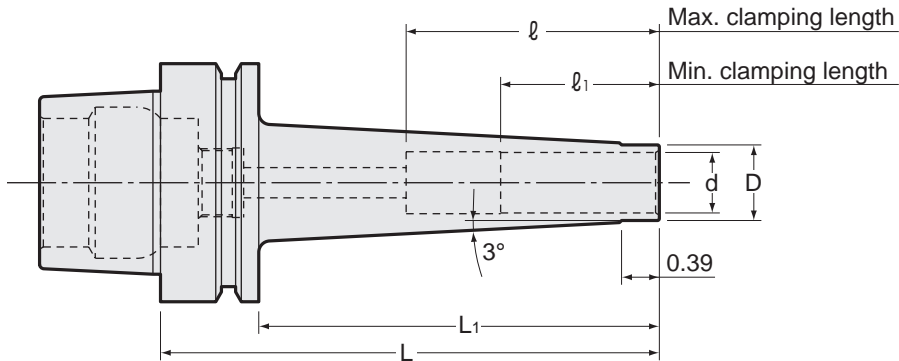
I.D. (d)

Projection length (L)

SRS

Shrink Fit (Slim Type)

- Shrinkage method sets a cutting tool firmly by heating and cooling the chuck. High precision and strong chucking. (Slim Type)



Inch Sizes		Unit : Inch					
Code	Model	d	L	L1	D	l1	l
5644 33308090	HSK40E -SRS0250A -90	0.250	3.543	2.756	0.354	1.024	1.417
5644 33308120	-120	0.250	4.724	3.937	0.354	1.024	1.417
5644 33310090	HSK40E -SRS0312A -90	0.312	3.543	2.756	0.433	1.024	1.969
5644 33310120	-120	0.312	4.724	3.937	0.433	1.024	1.969
5644 33312090	HSK40E -SRS0375A -90	0.375	3.543	2.756	0.512	1.260	1.969
5644 33312120	-120	0.375	4.724	3.937	0.512	1.260	1.969
5644 33316090	HSK40E -SRS0500A -90	0.500	3.543	2.756	0.591	1.457	2.756
5644 33316120	-120	0.500	4.724	3.937	0.591	1.457	2.756
5644 33320090	HSK40E -SRS0625A -90	0.625	3.543	2.756	0.787	1.575	2.756
5644 33320120	-120	0.625	4.724	3.937	0.787	1.575	3.150

Always use carbide shank tools with h6 tolerance.

Heating device chart		
heating device	chuck	
	SRS0250A, SRS0312A SRS6A, SRS8A	SRS0375A~SRS0750A SRS10A~SRS20A
ISG3400	Yes	Yes
SRK-HA1, HB2	No	Yes

Ordering Example

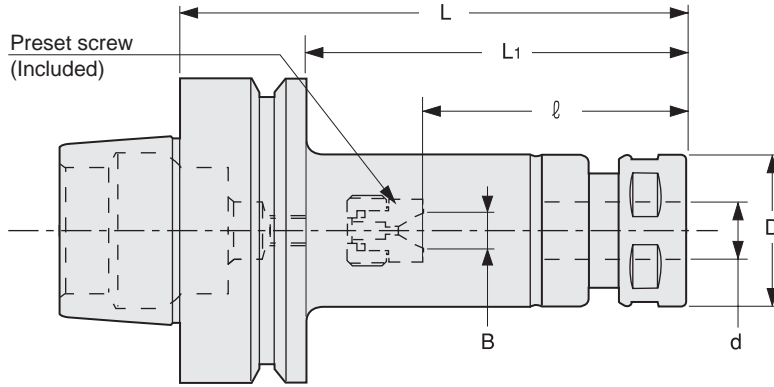
HSK40E - SRS 0250 A - 120
Shank size I.D. (d) Projection length (L)

MEMO

HDC·A

High-Precision Collet Holder




● Suitable for drilling, reaming and finish endmilling.



Unit : Metric

Code	Model	d	L	L1	B	ℓ	D	Nut	Preset Screw	Collet	Spanner
5360 65107075	HSK63F -HDC07A-75	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 30	23	HDP-07A	HDS-07	FDC-07	S-0
5360 65107090	-90	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07		
5360 65107105	-105	0.5 ~ 7.0	105	79	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07		
5360 65107135	-135	0.5 ~ 7.0	135	109	0 ~ 4	22 ~ 45	23	HDP-07A	HDS-07		
5360 65109075	HSK63F -HDC09A-75	2.5 ~ 9.0	75	49	0 ~ 4	27 ~ 36	26	HDP-09	HDS-09	FDC-09	S-1L
5360 65109090	-90	2.5 ~ 9.0	90	64	0 ~ 4	27 ~ 45	26	HDP-09	HDS-09		
5360 65109105	-105	2.5 ~ 9.0	105	79	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09		
5360 65109135	-135	2.5 ~ 9.0	135	109	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09		
5360 65109165	-165	2.5 ~ 9.0	165	139	0 ~ 4	27 ~ 57	26	HDP-09	HDS-09		
5360 65112075	HSK63F -HDC12A-75	2.5 ~ 12.0	75	49	—	48	32	HDP-12	—	FDC-12	S-3L
5360 65112090	-90	2.5 ~ 12.0	90	64	0 ~ 5	33 ~ 40	32	HDP-12	HDS-12		
5360 65112105	-105	2.5 ~ 12.0	105	79	0 ~ 5	33 ~ 55	32	HDP-12	HDS-12		
5360 65112135	-135	2.5 ~ 12.0	135	109	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12		
5360 65112165	-165	2.5 ~ 12.0	165	139	0 ~ 5	33 ~ 69	32	HDP-12	HDS-12		
5360 65116075	HSK63F -HDC16A-75	3.5 ~ 16.0	75	49	—	47	36	HDP-16	—	FDC-16	S-4L
5360 65116090	-90	3.5 ~ 16.0	90	64	0 ~ 6	38 ~ 49	36	HDP-16	HDS-16		
5360 65116105	-105	3.5 ~ 16.0	105	79	0 ~ 6	38 ~ 52	36	HDP-16	HDS-16		
5360 65122075	HSK63F -HDC22A-75	3.5 ~ 22.0	75	49	—	50	46	HDP-22	—	FDC-22	S-5L
5360 65122090	-90	3.5 ~ 22.0	90	64	—	60	46	HDP-22	HDS-22		
5360 65122105	-105	3.5 ~ 22.0	105	79	0 ~ 8	47 ~ 62	46	HDP-22	HDS-22		

1. Collet, spanner and hexagon head preset screw are sold separately. Standard preset screw is included.
2. ℓ indicates dimension when using with a preset screw.
3. See P.499 for standard Tightening Torque.

Collet	Spanner	Preset screw
P. 086 - 089	P. 095	P. 094
		

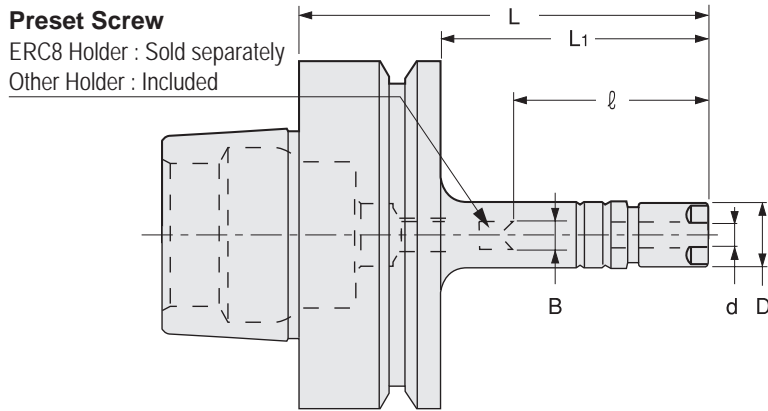
Ordering Example

HSK63F - HDC 12 A - 105
 Shank size Max. collet I.D. Projection length (L)

ERC

Collet Holder For Small Diameters




- For drilling in tight space.



Unit : Metric

Code	Model	d	L	L1	B	ℓ	D	Nut	kg	Preset Screw	Collet	Spanner
5370 60508075	HSK63F -ERC8 -75	0.5 ~ 5.0	75	49	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	ERP-8	0.7	ES8 (Option)	ER8	S-8E
5370 60508090	-90	0.5 ~ 5.0	90	64	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	ERP-8				
5370 60508105	-105	0.5 ~ 5.0	105	79	— (0 ~ 2.4)	³⁴ (19 ~ 31)	12	ERP-8	0.7			
5370 60510075	HSK63F -ERC11S -75	0.5 ~ 7.0	75	49	0 ~ 4	22 ~ 30	16	ERP-11S	0.8	HDS-07A- ES11 (Included)	FDC-07	S-11E
5370 60510090	-90	0.5 ~ 7.0	90	64	0 ~ 4	22 ~ 45	16	ERP-11S	0.8			
5370 60510105	-105	0.5 ~ 7.0	105	79	0 ~ 4	22 ~ 45	16	ERP-11S	0.8			

1. Collet and spanner are sold separately.
2. ES8, a preset screw for ERC8, is sold separately. ERC11S includes a standard preset screw HDS-07A-ES11.
3. "B" and "ℓ" dimensions in brackets are for using ES8 preset screw.
4. See P.499 for standard Tightening Torque.

Collet P. 090-091	Spanner P. 095	Preset screw P. 094
		

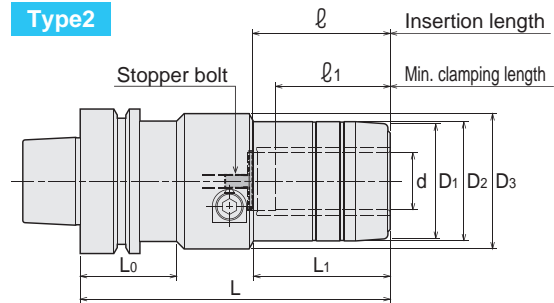
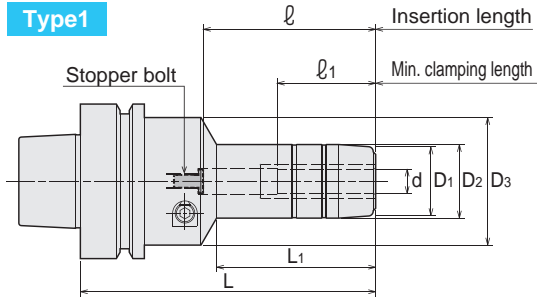
Ordering Example

HSK63F - ERC 8 - 75
 Shank size Max. collet I.D. Projection length (L)

PHC-A

Power Hydro Chuck

- Hydro chuck with collet holder flexibility. Suitable for high precision cutting.



Metric Sizes

Unit : Metric

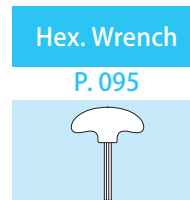
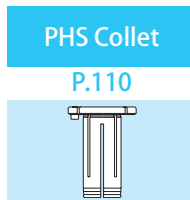
Code	Model	Type	d	L	L1	D1	D2	D3	L0	l	l1	Kg	Wrench (Option)
5730 65206075	HSK63F -PHC06A-75	1	6	75	30	24	26	46	—	34	29	1.0	L-4T (4mm)
5730 65206120	-120	1	6	120	41	24	26	46	—	45	29		
5730 65207075	HSK63F -PHC07A-75	1	7	75	30	26	28	46	—	34	29		
5730 65207120	-120	1	7	120	41	26	28	46	—	45	29		
5730 65208075	HSK63F -PHC08A-75	1	8	75	30	26	28	46	—	34	29		
5730 65208120	-120	1	8	120	41	26	28	46	—	45	29		
5730 65209090	HSK63F -PHC09A-90	1	9	90	44	28	30	52	—	50	40		
5730 65209120	-120	1	9	120	64	28	30	52	—	70	40		
5730 65210090	HSK63F -PHC10A-90	1	10	90	44	28	30	52	—	50	40		
5730 65210120	-120	1	10	120	64	28	30	52	—	70	40		
5730 65211090	HSK63F -PHC11A-90	1	11	90	45	30	32	52	—	50	40		
5730 65211120	-120	1	11	120	65	30	32	52	—	70	40		
5730 65212090	HSK63F -PHC12A-90	1	12	90	45	30	32	52	—	50	40		
5730 65212120	-120	1	12	120	65	30	32	52	—	70	40		
5730 65213090	HSK63F -PHC13A-90	1	13	90	46	34	36	52	—	50	40		
5730 65213120	-120	1	13	120	66	34	36	52	—	70	40		
5730 65214090	HSK63F -PHC14A-90	1	14	90	46	34	36	52	—	50	40		
5730 65214120	-120	1	14	120	66	34	36	52	—	70	40		
5730 65215090	HSK63F -PHC15A-90	1	15	90	46	36	38	52	—	50	40		
5730 65215120	-120	1	15	120	66	36	38	52	—	70	40		
5730 65216090	HSK63F -PHC16A-90	1	16	90	46	36	38	52	—	50	40		
5730 65216120	-120	1	16	120	66	36	38	52	—	70	40		
5730 65220090	HSK63F -PHC20A-90	1	20	90	49	40	42	46	—	50	40		
5730 65220120	-120	1	20	120	69	40	42	46	—	70	40		
5730 65225135	HSK63F -PHC25A-135	2	25	135	59	50	52	59	42	60	50		L-6T (6mm)
5730 65225150	-150	2	25	150	79	50	52	59	42	80	50		
5730 65232135	HSK63F -PHC32A-135	2	32	135	42	60	62	85	42	80	65		
5730 65232150	-150	2	32	150	108	60	62	62	42	80	65		

1. Please use a cutting tool with a tolerance of less than h7. A tolerance of less than 0/-001 is recommended for new cutting tools.
2. Do not leave the holder with actuating screw tightened when the chuck is empty.
3. PHC12A and PHC20A have pin holes for collet with stopper pin on its body.

Ordering Example

HSK63F - PHC 12 A - 135
 Shank size I.D. (d) Projection length (L)

Tightening torque (Torque wrench : p.498)		
model	I.D. (d) mm	Tightening torque (Nm)
PHC-A	06 ~ 08	11 ~ 12
PHC-A	09 ~ 20	7 ~ 8
PHC-A	25, 32	29 ~ 30



MEMO

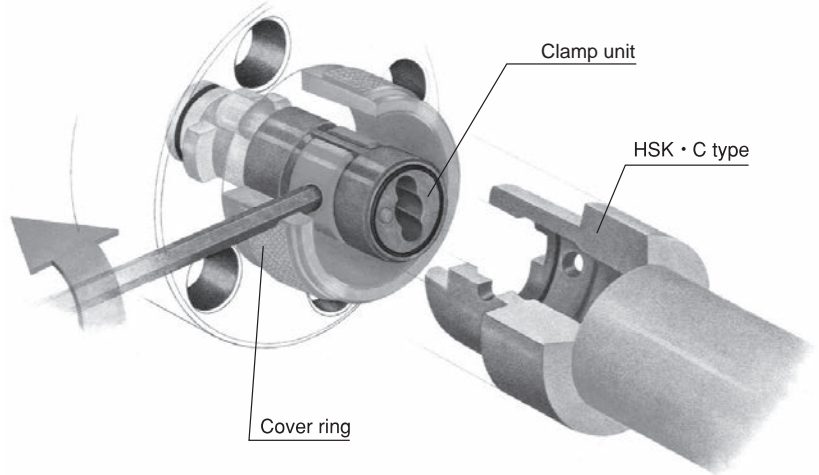
MN5523·J

Manual Flange

NT-MAPAL Clamping unit

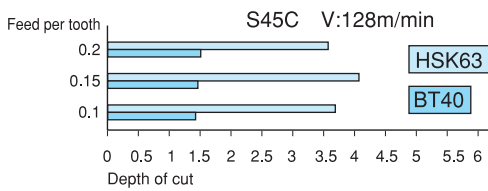
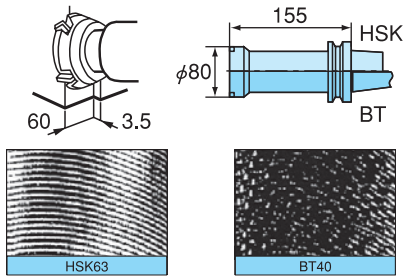
How to install

1. Insert the holder into the spindle.
2. Turn the cover ring.
3. Insert the wrench into the clamp bolt and turn it clockwise.
4. Remove the wrench and cover the hex hole for the wrench by turning the cover ring.

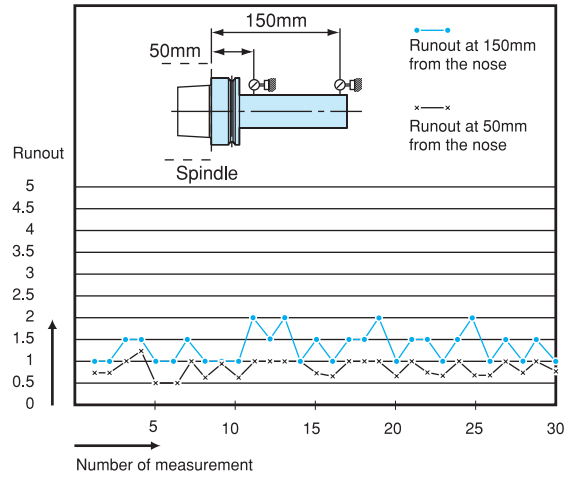


Feature

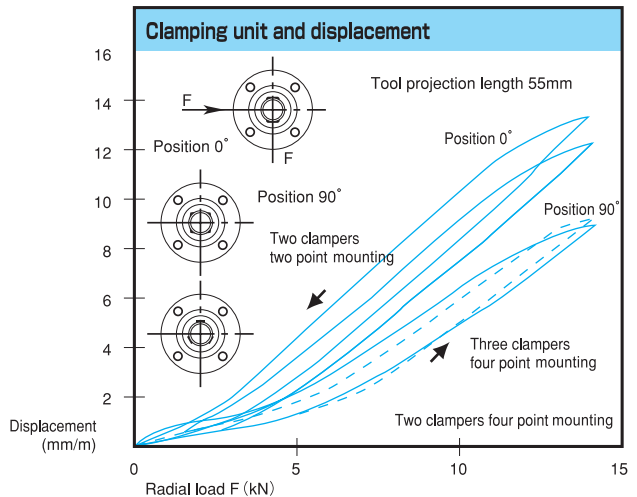
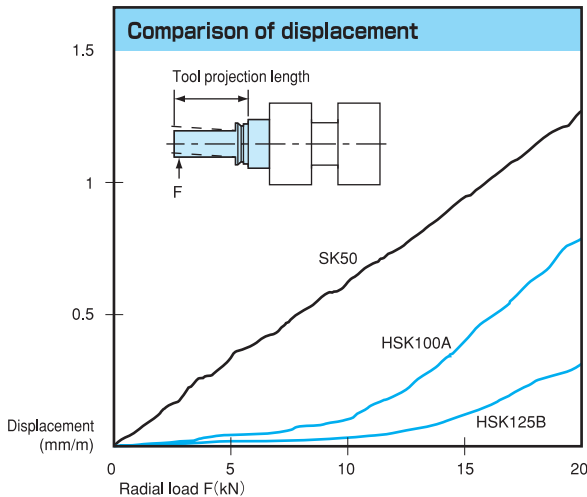
Ultimate dynamic rigidity

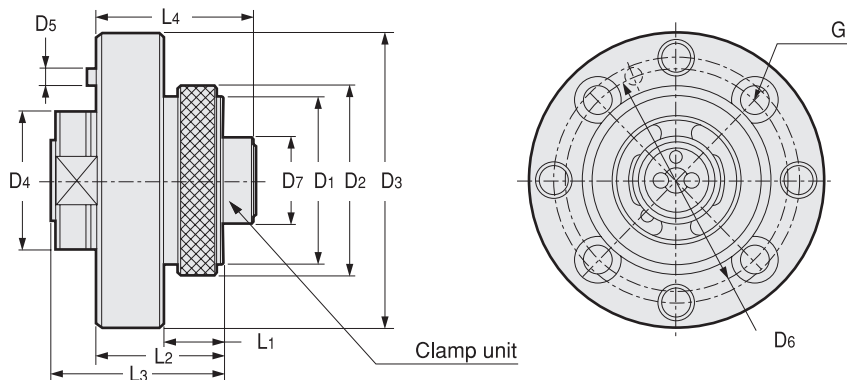


High repetitive accuracy



Excellent static rigidity against bending load





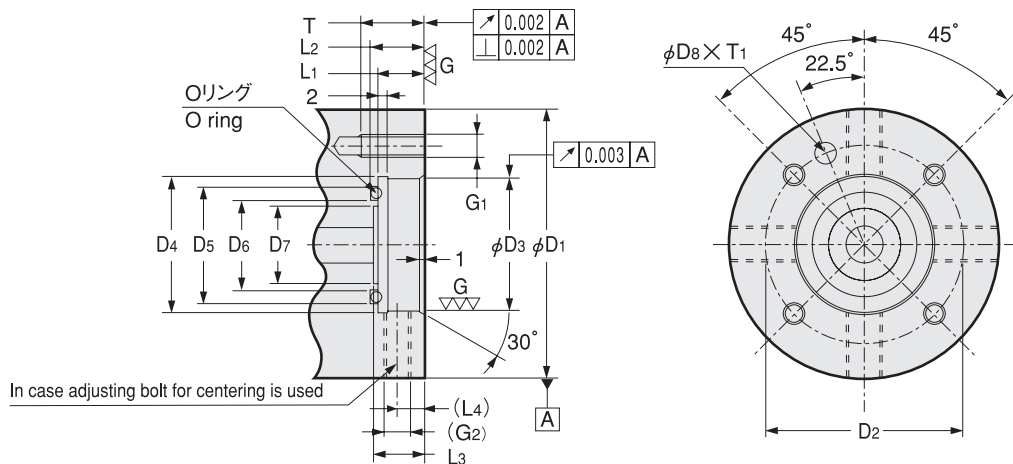
Code	Model	D1	D2	D3	D4 _{g6}	D5	D6	D7	L1	L2	L3	L4	G	Attached Clamp unit	Adapted HSK shank
5500 55230005	MN5523 -05 -J	32	37	60	30	3.5	44	16.6	13	26	36	33.6	M5	KS32-05	HSK32C
5500 55230006	-06 -J	40	45	70	35	4	53	20.6	15	30	41	37.6	M6	KS40-06	HSK40C
5500 55230007	-07 -J	50	55	80	40	4	63	25.6	18	35	46	44.6	M6	KS50-07	HSK50C
5500 55230008	-08 -J	63	70	100	50	4	79	33.6	22	43	55	52.6	M8	KS63-08	HSK63C
5500 55230009	-09 -J	80	87	117	60	5	96	41.6	29	50	63	62.1	M8	KS80-09	HSK80C
5500 55230010	-10 -J	100	110	140	80	5	119	52.6	42	70	83	82	M10	KS100-10	HSK100C

For HSK · C type only.

Ordering Example

MN5523 - 05 - J
Size

Spindle Dimensions for MN5523 · J



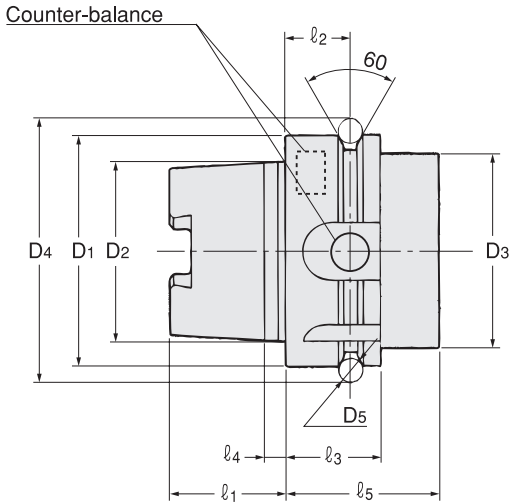
Size	D1	D2 _{±0.1}	D3 _{H7}	D4	D5	D6	D7	D8	O ring	L1 _{+0.2 +0.1}	L2 _{+0.1 0}	L3	(L4)	G1	(G2)	T	T1 _{+0.5 0}
HSK32	60	44	30 ^{+0.021 0}	30.5	26	20.3	—	4.5	P22	10	11.8	—	6	M5 × 0.8	M6 × 1	11	3
HSK40	70	53	35 ^{+0.025 0}	35.5	32	23.6	20	5.0	P26	10	12.7	12	6	M6 × 1	M6 × 1	14	3.5
HSK50	80	63	40 ^{+0.025 0}	40.5	37	28.6	23	5.0	P31	10	12.7	12	6	M6 × 1	M6 × 1	14	3.5
HSK63	100	79	50 ^{+0.025 0}	50.5	37	28.6	—	5.0	P31	12	14.7	—	8	M8 × 1.25	M8 × 1	15	3.5
HSK80	117	96	60 ^{+0.030 0}	60.5	50	41.6	28	6.0	P44	12	14.7	14	8	M8 × 1.25	M8 × 1	15	4.5
HSK100	140	119	80 ^{+0.030 0}	80.5	56	47.6	—	6.0	P50	13	15.7	—	8	M10 × 1.5	M10 × 1	18	4.5

HSK

Tool Shank Dimensions For HSK

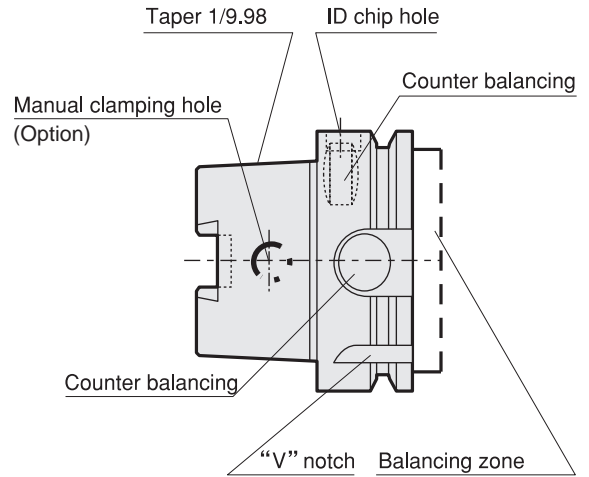
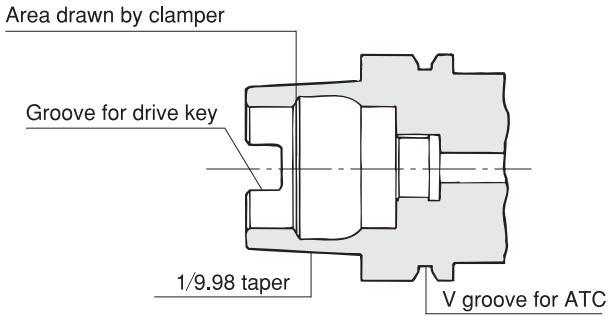
- BT
- CAT
- AHO
- HSK-A/E/F/C
- HSK-T
- UTS
- Specialized Machine
- Related Equipment
- Bush & Chamfering Drill
- Milling Chuck
- Collet Holder
- "R"-Zero Holder
- Hydraulic Chuck
- Shrink Fit
- Tapping Chuck
- Arbors
- Function Holder
- HSK-E
- HSK-F
- HSK-C

HSK Type A



size	D1	D2	D3 (Max.)	D4	D5	l1	l2	l3	l4	l5
HSK32A	32	24	26	37.0	4	16	16	20	3.2	35
HSK40A	40	30	34	45.0	4	20	16	20	4.0	35
HSK50A	50	38	42	59.3	7	25	18	26	5.0	42
HSK63A	63	48	53	72.3	7	32	18	26	6.3	42
HSK80A	80	60	68	88.8	7	40	18	26	8.0	42
HSK100A	100	75	85	109.75	7	50	20	29	10.0	45
HSK125A	125	95	111	134.75	7	63	20	29	12.5	45
HSK160A	160	120	144	169.75	7	80	22	31	16.0	47

- 1.NT's HSK Type A has neither manual clamping hole nor ID chip hole.
- 2.NT's HSK Type A has both notch and hole for counter-balancing.

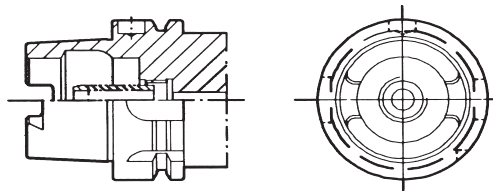


	DIN	ISO	NT
ID chip hole	Yes	No	No
"V" notch	Yes	Yes	Yes
Manual clamping hole	Yes	Yes	No
Counter balancing	—	Yes	Yes

Shapes and features

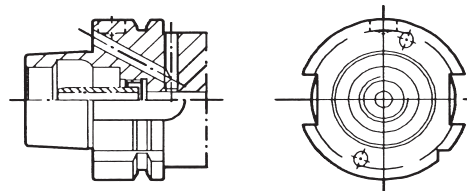
A and C types were unified as ISO and DIN standard.
6 types are shown. A and B types have no manual clamping hole.

Type A



- Application : Machining centres.
- Centre through coolant hole.
- Torque transmission with drive keys on flange.
- U grooves for ATC positioning notch.
- Tool ID recess hole (option).

Type B



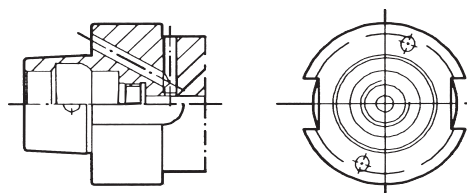
- Application : Machining centres, milling machines, lathes etc.
- Large flange diameter.
- Flange through coolant hole or centre through coolant hole.
- Torque transmission by U grooves on flange.
- Positioning notch.
- Tool ID recess hole (option).

Type C



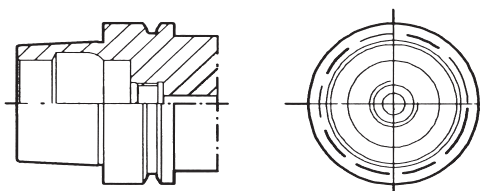
- Application : Transfer lines and special purpose machines without ATC.
- Centre through coolant hole.
- Torque transmission with drive keys on flange.

Type D



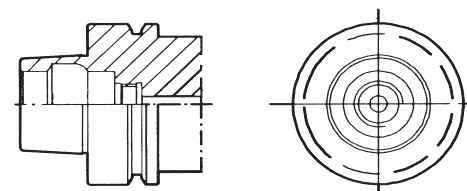
- Application : Transfer lines and special purpose machines without ATC.
- Large flange diameter.
- Flange through coolant hole.
- Torque transmission by U grooves on flange.

Type E



- Application : High speed machining centres.
- Complete symmetrical shape without drive keys.
- Torque transmission by friction.
- Centre through coolant hole. (Option)

Type F



- Application : High speed machining centres.
- Large flange diameter.
- Centre through coolant hole. (Option)