

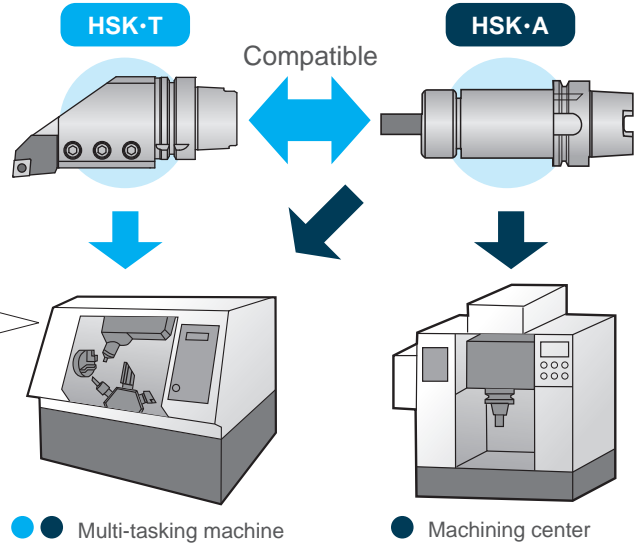
What is HSK-T?

HSK-T interface was developed to maximize cutting ability of multi-tasking machines. HSK-T interface became ISO standard (ISO121 164-3:2008) in 2008.

Feature

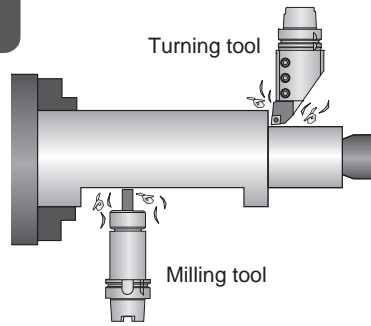
Compatible with HSK-A

HSK-T shank is compatible with HSK-A shank that is used for machining centers.



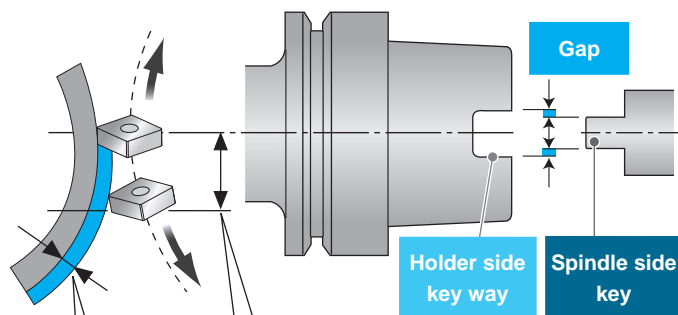
What is the multi-tasking machine?

Multi-tasking machine combines milling and turning processes, which were conventionally processed on multiple machines, onto one machine.

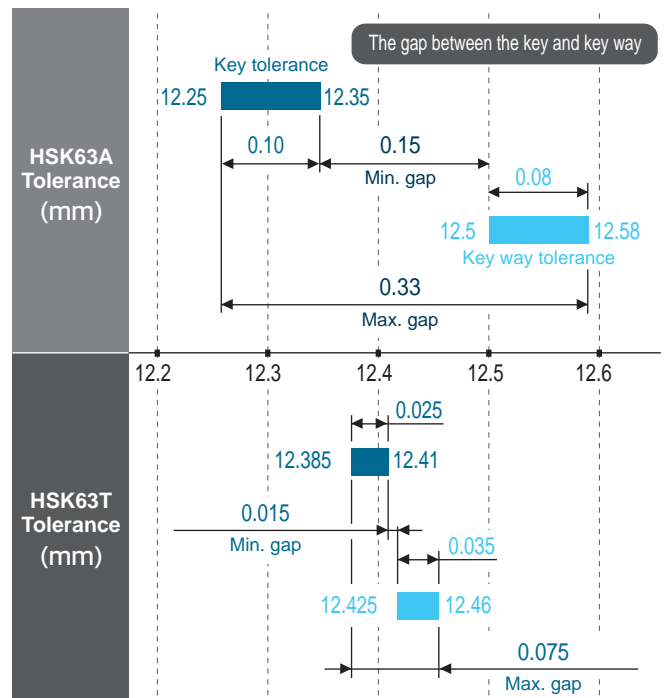


Increased cutting accuracy at turning process

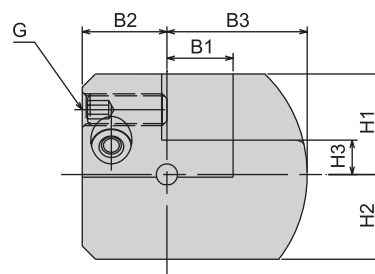
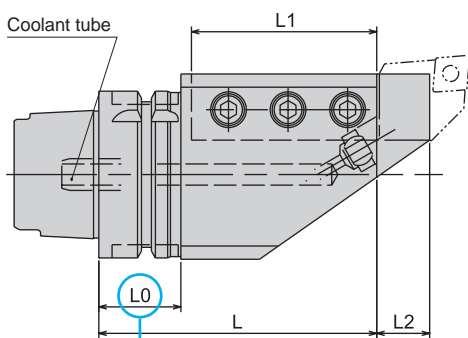
HSK-T shank was designed to minimize the gap between the key and key way. Consequently, cutting edge height was sustained accurately and cutting accuracy was improved. Invariant cutting diameter was realized as well.



The gap causes variant cutting diameters.
Example at $\phi 50$
HSK63T : $3\mu\text{m}$ HSK63A : $14\mu\text{m}$



- For External / Cut-off



Right-hand drawing shown

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

- Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	L	L1	L2	B1	B2	B3	H1	H2	H3	L0	G	Kg
590004040095	HSK50T -SBV2020 R - 95	95	60	15	20	25	43.5	25	25	5	31	M10	2
590004041095	L - 95	95	60	15	20	25	43.5	25	25	5	31	M10	2
590005040095	HSK63T -SBV2020 R - 95	95	60	15	20	32	43.5	33	32	13	32	M10	2.7
590005041095	L - 95	95	60	15	20	32	43.5	33	32	13	32	M10	2.7
590005050105	-SBV2525 R -105	105	70	20	25	32	45	30	30	5	32	M12	2.9
590005051105	L -105	105	70	20	25	32	45	30	30	5	32	M12	2.9
590007050150	HSK100T -SBV2525 R -150	150	110	20	25	37	59	48	43	23	35	M12	8.5
590007051150	L -150	150	110	20	25	37	59	48	43	23	35	M12	8.5
590007060150	-SBV3232 R -150	150	110	20	32	40	68.5	45	43	15	35	M14	9
590007061150	L -150	150	110	20	32	40	68.5	45	43	15	35	M14	9

- 1.Direction of coolant nozzle can be adjusted. (Coolant may not reach the cutting edge properly depending on the bit shape.)
- 2.Please shorten a square bit if necessary.
- 3.HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - SBV 2020 R - 95
 Shank size □ Left hand - L Projection length (L)
 □ Right hand - R

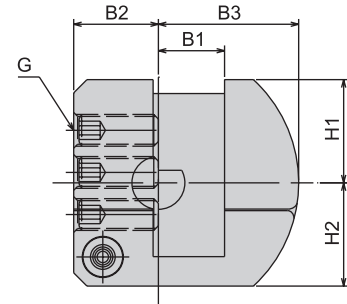
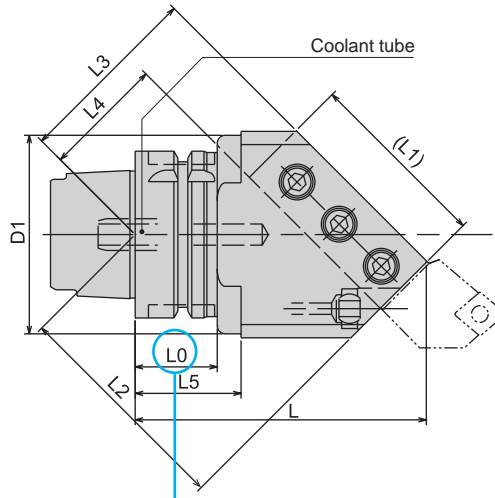
SBN

MORI SEIKI CO.,LTD granted NT TOOL a manufacturing and distribution license under the patent No.3720202 .

HSK-T Turning Tools

- For External / Facing

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



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

Right-hand drawing shown

- Coolant tube is included.

Metric Sizes Unit : Metric

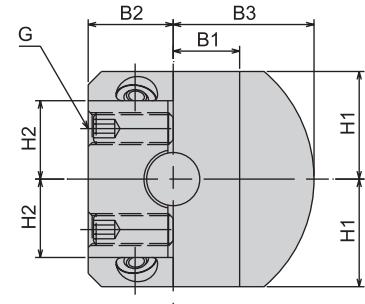
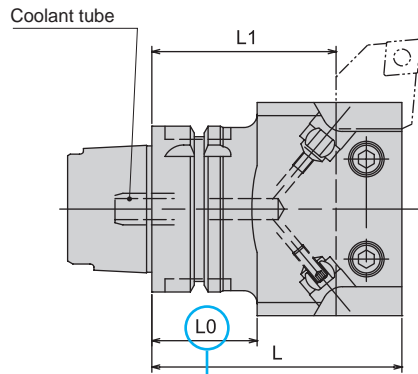
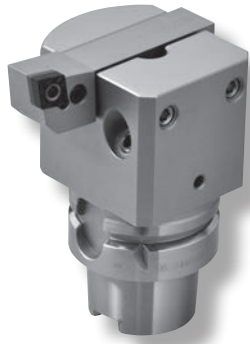
Code	Model	L	(L1)	L2	L3	L4	L5	D1	B1	B2	B3	H1	H2	L0	G	Kg
590004240110	HSK50T -SBN2020 R -110	110	60	83.1	72.8	52.8	—	—	20	25	43.5	35	35	31	M10	2.4
590004241110	L -110	110	60	83.1	72.8	52.8	—	—	20	25	43.5	35	35	31	M10	2.4
590005240110	HSK63T -SBN2020 R -110	110	60	83.1	72.8	52.8	—	—	20	32	43.5	35	35	32	M10	2.9
590005241110	L -110	110	60	83.1	72.8	52.8	—	—	20	32	43.5	35	35	32	M10	2.9
590005250110	-SBN2525 R -110	110	70	85.2	70.8	45.8	40	90	25	32	53	39	39	32	M12	3.2
590005251110	L -110	110	70	85.2	70.8	45.8	40	90	25	32	53	39	39	32	M12	3.2
590007250135	HSK100T -SBN2525 R -135	135	70	102.9	88.5	63.5	—	—	25	32	59	43	43	35	M12	6.4
590007251135	L -135	135	70	102.9	88.5	63.5	—	—	25	32	59	43	43	35	M12	6.4
590007260140	-SBN3232 R -140	140	85	109.9	89	59	—	—	32	37	68.5	48	43	35	M14	7.2
590007261140	L -140	140	85	109.9	89	59	—	—	32	37	68.5	48	43	35	M14	7.2

- 1.Direction of coolant nozzle can be adjusted. (Coolant may not reach the cutting edge properly depending on the bit shape.)
- 2.Please shorten a square bit if necessary.
- 3.HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - SBN 2020 R - 110
 Shank size □ Left hand - L Projection length (L)
 □ Right hand - R

- For Facing



For both Right and Left-hand

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

- Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	L	L1	B1	B2	B3	H1	H2	L0	G	Kg
590004342090	HSK50T -SBH2020 N -90	90	70	20	25	43.5	27.5	—	40	M10	1.8
590004342120	N -120	120	100	20	25	43.5	27.5	—	70	M10	2.3
590005342090	HSK63T -SBH2020 N -90	90	70	20	32	43.5	30	—	40	M10	2.5
590005352090	-SBH2525 N -90	90	65	25	32	53	40.5	29.5	40	M12	3.0
590005352120	N -120	120	95	25	32	53	40.5	29.5	70	M12	3.7
590007352105	HSK100T -SBH2525 N -105	105	80	25	32	59	48	37	35	M12	6.1
590007352150	N -150	150	125	25	32	59	48	37	35	M12	8.9
590007362105	-SBH3232 N -105	105	75	32	40	68.5	57	43	35	M14	7.4

- 1.Direction of coolant nozzle can be adjusted. (Coolant may not reach the cutting edge properly depending on the bit shape.)
- 2.Please shorten a square bit if necessary.
- 3.One plug screw for coolant nozzle (M5×15) is included.
- 4.HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - SBV 2020N - 90

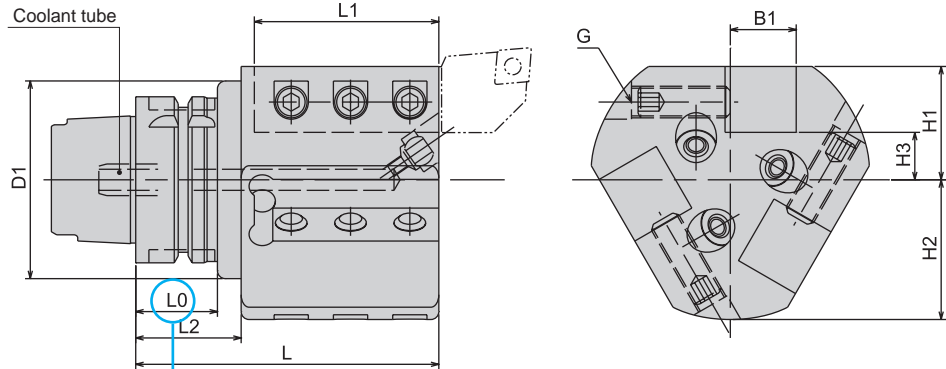
Shank size

Projection length (L)

SBT

HSK-T Turning Tools

- For External / Facing



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

Right-hand drawing shown

- Coolant tube is included.

Metric Sizes Unit : Metric

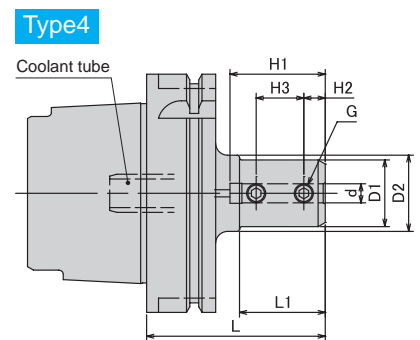
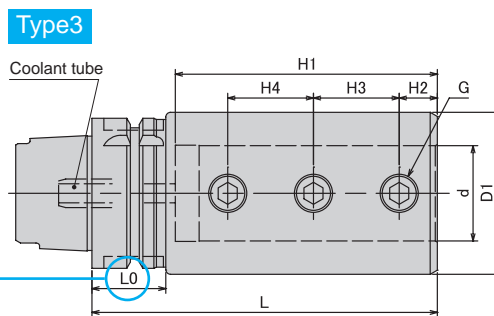
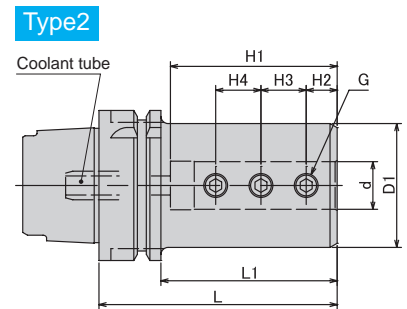
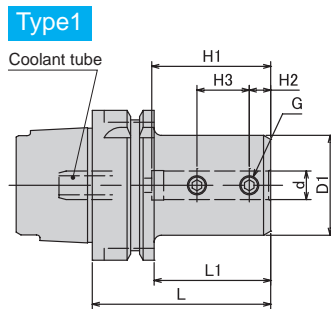
Code	Model	L	L1	L2	D1	B1	H1	H2	H3	L0	G	Kg
590004140095	HSK50T -SBT2020 R -95	95	60	—	—	20	35	43.5	15	31	M10	2.3
590004141095	L -95	95	60	—	—	20	35	43.5	15	31	M10	2.3
590005140095	HSK63T -SBT2020 R -95	95	60	—	—	20	35	43.5	15	32	M10	2.6
590005141095	L -95	95	60	—	—	20	35	43.5	15	32	M10	2.6
590005150115	-SBT2525 R -115	115	70	40	90	25	43	53	18	32	M12	4.4
590005151115	L -115	115	70	40	90	25	43	53	18	32	M12	4.4
590007150150	HSK100T -SBT2525 R -150	150	110	—	—	25	48	59	23	35	M12	8.9
590007151150	L -150	150	110	—	—	25	48	59	23	35	M12	8.9

- 1.Direction of coolant nozzle can be adjusted. (Coolant may not reach the cutting edge properly depending on the bit shape.)
- 2.Please shorten square bits if necessary.
- 3.Two plug screws for coolant nozzle (M5x15) are included.
- 4.HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - SBT 2020 R - 95
 Shank size □ Left hand - L Projection length (L)
 □ Right hand - R

- For Boring bar



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

- Coolant tube is included.

Metric Sizes

Unit : Metric

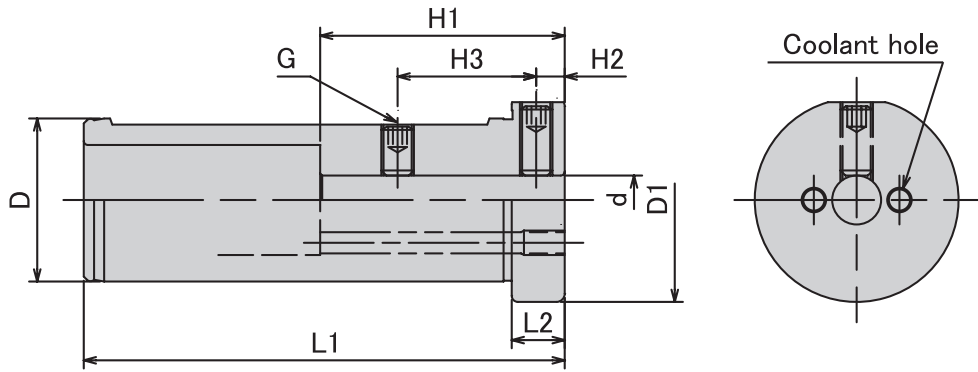
Code	Model	Type	d	L	L1	D1	D2	H1	H2	H3	H4	L0	G	Kg
591004008065	HSK50T -TSB8 - 65	1	8	65	39	28	—	40	9	20	—	—	M8	0.7
591004010070	-TSB10 - 70	1	10	70	44	35	—	45	9	22	—	—	M8	0.8
591004012075	-TSB12 - 75	1	12	75	49	42	—	50	9	22	—	—	M8	1
591004016095	-TSB16 - 95	2	16	95	69	48	—	70	14	18	18	—	M10	1.3
591004020095	-TSB20 - 95	3	20	95	—	52	—	70	14	18	18	31	M10	1.4
591004025110	-TSB25 -110	3	25	110	—	62	—	85	14	26	26	31	M12	2.1
591004032125	-TSB32 -125	3	32	125	—	62	—	100	14	30	30	31	M12	2.1
591005008065	HSK63T -TSB8 - 65	1	8	65	39	28	—	40	9	20	—	—	M8	0.9
591005010070	-TSB10 - 70	1	10	70	44	35	—	45	9	22	—	—	M8	1.1
591005012075	-TSB12 - 75	1	12	75	49	42	—	50	9	22	—	—	M8	1.2
591005016100	-TSB16 -100	2	16	100	74	48	—	70	14	18	18	—	M10	1.7
591005020100	-TSB20 -100	2	20	100	74	52	—	70	14	18	18	—	M10	1.8
591005025115	-TSB25 -115	2	25	115	89	62	—	85	14	26	26	—	M12	2.5
591005032130	-TSB32 -130	2	32	130	104	62	—	100	14	30	30	—	M12	2.6
591005040145	-TSB40 -145	3	40	145	—	68	—	115	16	36	36	32	M16	2.9
591007008075	HSK100T -TSB8 - 75	4	8	75	36	28	32	40	9	20	—	—	M8	2.4
591007010080	-TSB10 - 80	1	10	80	51	35	—	45	9	22	—	—	M8	2.5
591007012085	-TSB12 - 85	1	12	85	56	42	—	50	9	22	—	—	M8	2.7
591007016105	-TSB16 -105	2	16	105	76	48	—	70	14	18	18	—	M10	3.1
591007020105	-TSB20 -105	2	20	105	76	52	—	70	14	18	18	—	M10	3.2
591007025120	-TSB25 -120	2	25	120	91	62	—	85	14	26	26	—	M12	4
591007032135	-TSB32 -135	2	32	135	106	72	—	100	14	30	30	—	M12	4.9
591007040150	-TSB40 -150	2	40	150	121	82	—	115	16	36	36	—	M16	6
591007050180	-TSB50 -180	2	50	180	151	92	—	145	18	38	38	—	M16	7.8

1. Various sizes of boring bar can be clamped by using the coolant/size reduction sleeve, TSS with TSB40.
2. HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - TSB 10 - 70
 Shank size I.D. (d) Projection length (L)

TSB Accessories



Coolant/Size Reduction Sleeve for TSB40

TSS

Metric Sizes

Unit : Metric

Code	Model	d	L1	L2	D	D1	H1	H2	H3	G	Kg
591400004008	TSS 40 - 8	8	118	13	40	50	50	7	34	M8	1
591400004010	-10	10	118	13	40	50	50	7	34	M8	1
591400004012	-12	12	118	13	40	50	60	7	34	M8	1
591400004016	-16	16	118	13	40	50	70	7	34	M8	0.9

- 1.TSS can be used for TSB40 only.
- 2.For coolant use, plug one of two coolant holes with plug screw.
- 3.One plug screw for coolant hole (M6×10) is included.
- 4.Various sizes of boring bar can be clamped by using the coolant/size reduction sleeve, TSS with TSB40.

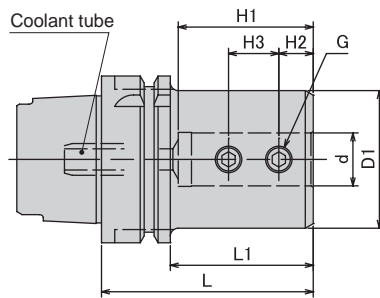
Ordering Example

TSS 40 - 10
 I.D. (d) Projection length (L)

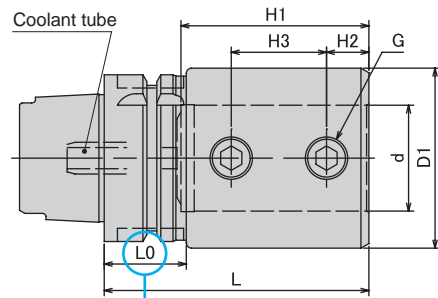
● For Drill



Type1



Type2



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

● Coolant tube is included.

Metric Sizes

Unit : Metric

Code	Model	Type	d	L	L1	D1	H1	H2	H3	L0	G	Kg
591004116075	HSK50T -TSD16 - 75	1	16	75	49	48	49	14	18	—	M10	1.1
591004120080	-TSD20 - 80	2	20	80	—	52	51	14	18	31	M10	1.2
591004125085	-TSD25 - 85	2	25	85	—	62	57	14	26	31	M12	1.6
591004132090	-TSD32 - 90	2	32	90	—	62	61	14	30	31	M12	1.6
591005116075	HSK63T -TSD16 - 75	1	16	75	49	48	49	14	18	—	M10	1.4
591005120080	-TSD20 - 80	1	20	80	54	52	51	14	18	—	M10	1.5
591005125085	-TSD25 - 85	1	25	85	59	62	57	14	26	—	M12	1.9
591005132090	-TSD32 - 90	1	32	90	64	62	61	14	30	—	M12	1.9
591005140100	-TSD40 -100	2	40	100	—	68	71	16	36	32	M16	2.1
591007116085	HSK100T -TSD16 - 85	1	16	85	56	48	49	14	18	—	M10	2.9
591007120085	-TSD20 - 85	1	20	85	56	52	51	14	18	—	M10	2.9
591007125090	-TSD25 - 90	1	25	90	61	62	57	14	26	—	M12	3.3
591007132095	-TSD32 - 95	1	32	95	66	72	61	14	30	—	M12	3.9
591007140105	-TSD40 -105	1	40	105	76	82	71	16	36	—	M16	4.6
591007150115	-TSD50 -115	1	50	115	86	92	81	18	38	—	M16	5.3

1. Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank.

Please check dimension of the cutting tool including location for setscrews.

2. HSK-T type has no manual clamping hole and ID chip recess.

Ordering Example

HSK63T - TSD 25 - 85
 Shank size I.D. (d) Projection length (L)