

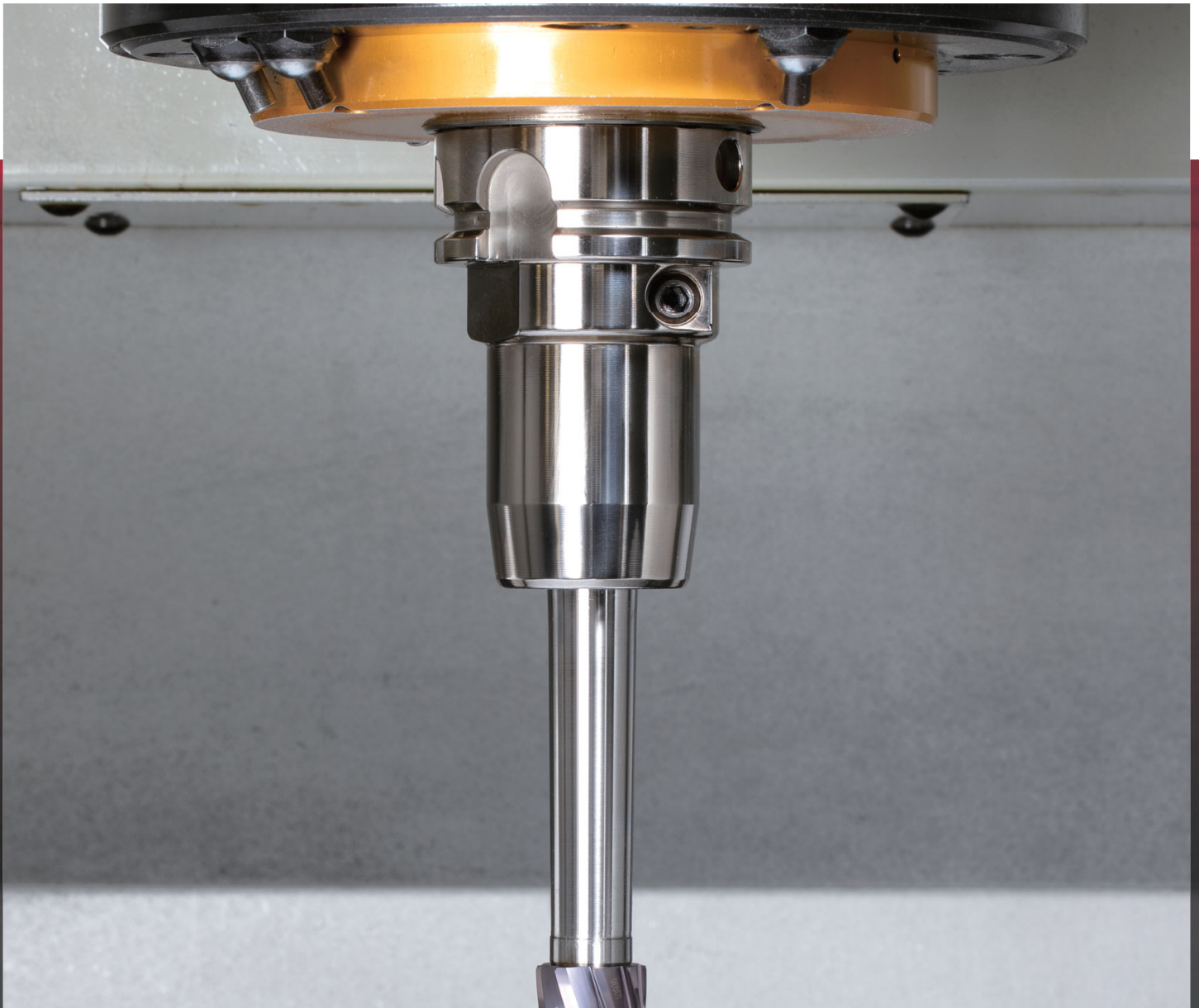


Tooling system

TUNGHYDRO

Tungaloy Report No. 389S6-G

Hydraulic chuck tool holders (T-series)



T series high-precision hydraulic chuck tool holders - supports a wide variety of machine interfaces

■ Features

- **Easy handling and high precision run out**

Simply turn the actuator screw with an Allen key to the dead stop to achieve high precision clamping with ≤ 0.003 mm run out accuracy.

- **High pull-out security and strong clamping torque for process stability**

- **Robust toolholder body design**

High radial rigidity prevents lateral tool deflection during machining, providing better part geometry accuracy.

- **Superior vibration damping**

Unique hydraulic system absorbs vibrations, assuring chatter-free machining and excellent workpiece surfaces, while eliminating tool breakage.



T series hydraulic system

1 Actuator screw

Can be operated without a torque wrench and features a unique safety stop that prevents over-tightening damage when the cutting tool is not in place.

2 Actuator piston

Compresses the hydraulic fluid into the chamber system.

3 Clamping sleeve and chamber system

The clamping sleeve expands against the tool shank. This clamping process first centers the tool shank before fully clamping it over the whole surface.

4 Tool holder body

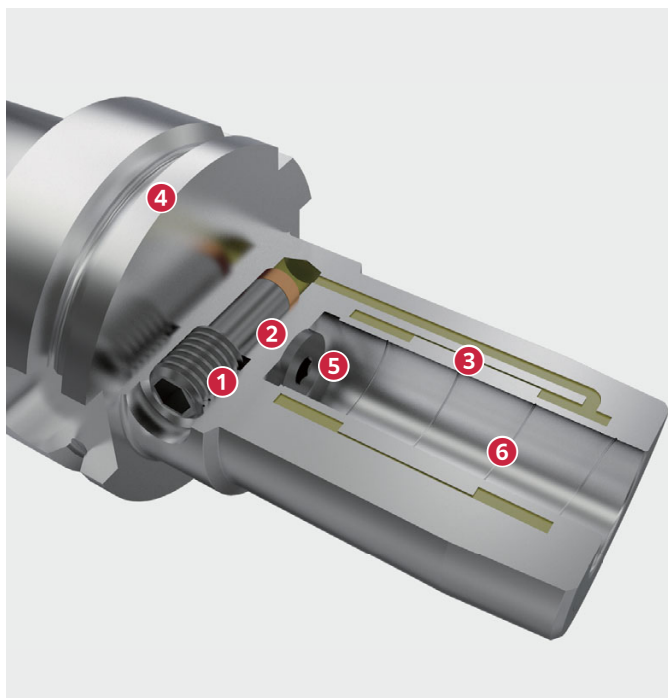
Available with HSK, SK, CAT, and BT machine interfaces.

5 Length adjustment screw

For fast and easy presetting.

6 Groove

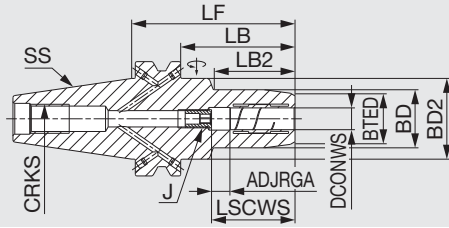
Creates a displacement of oil, grease, or lubricant residues into the groove, causing surfaces to remain dry.



New

BT-HYDRO-T

BT MAS-403 ADB TungHydro hydraulic endmill chuck holders with BT shank



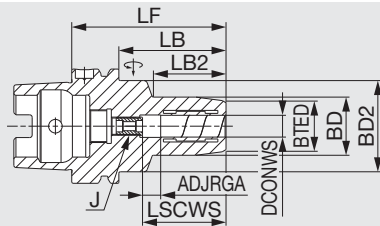
Designation	SS	DCONWS	BD	BD2	BTED	LF	LSCWS	ADJRGA	LB2	LB	J	Min. Torque (N-m)	WT(kg)	CRKS	Wrench*
BT30HYDRO6X55T	30	6	26	46	22.8	55	37	10	17.8		M5	16	0.6	M12	P-5
BT30HYDRO8X55T	30	8	28	46	24.8	55	37	10	18.4		M6	23	0.6	M12	P-5
BT30HYDRO10X55T	30	10	30	46	26.8	55	41	10	19		M8x1	45	0.6	M12	P-5
BT30HYDRO12X55T	30	12	32	46	28.8	55	46	10	19.5		M10x1	90	0.6	M12	P-5
BT30HYDRO16X90T	30	16	38	45	34.7	90	49	10	50	68	M12x1	185	0.9	M12	P-5
BT30HYDRO20X90T	30	20	42	45	37.7	90	51	10	50	68	M8x1	330	0.95	M12	P-5
BT40HYDRO6X90T	40	6	26	44.5	22	90	37	10	43	63	M5	16	1.4	M16	P-5
BT40HYDRO8X90T	40	8	28	44.5	24	90	37	10	44.5	63	M6	23	1.4	M16	P-5
BT40HYDRO10X90T	40	10	30	44.5	26	90	41	10	44.5	63	M8x1	45	1.4	M16	P-5
BT40HYDRO12X90T	40	12	32	44.5	28	90	46	10	44.5	63	M10x1	90	1.4	M16	P-5
BT40HYDRO16X90T	40	16	38	44.5	34	90	49	10	47.5	63	M12x1	185	1.5	M16	P-5
BT40HYDRO20X90T	40	20	42	44.5	38	90	51	10	47.5	63	M16x1	330	1.5	M16	P-5
BT40HYDRO32X100T	40	32	62	-	58.5	100	61	10	63	-	M16x1	650	2.55	M16	P-6
BT50HYDRO12X90T	50	12	32	49.25	28	90	46	10	31.5	52	M10x1	90	3.95	M24	P-5
BT50HYDRO20X90T	50	20	42	49.25	38	90	51	10	34	52	M16x1	330	3.95	M24	P-5
BT50HYDRO32X120T	50	32	64	70.25	60	120	61	10	62.5	82	M16x1	650	5.1	M24	P-6

* Wrench is not included. Please order separately.
Tool shank tolerance: h6
Balanced to G2.5, max n: 25,000 min⁻¹

New

HSK A-HYDRO-T

TungHydro hydraulic endmill chuck holders with DIN69893 HSK-A shank

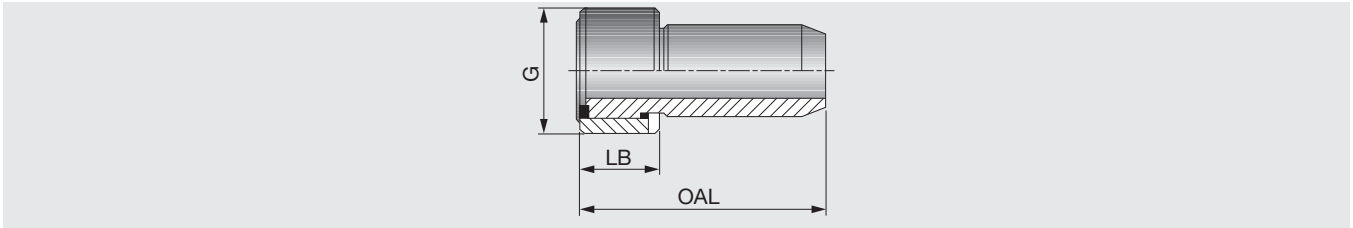


Designation	DCONWS	BD	BD2	BTED	LF	LSCWS	ADJRGA	LB2	LB	J	Min. Torque (N-m)	WT(kg)	Wrench*
HSKA63HYDRO6X70T	6	26	50	22	70	37	10	24	44	M5	16	1	P-5
HSKA63HYDRO8X70T	8	28	50	24	70	37	10	25	44	M6	23	1	P-5
HSKA63HYDRO10X80T	10	30	50	26	80	41	10	35	54	M8x1	45	1.1	P-5
HSKA63HYDRO12X85T	12	32	50	28	85	46	10	40	59	M10x1	90	1.1	P-5
HSKA63HYDRO16X90T	16	38	50	34	90	49	10	46	64	M12x1	185	1.2	P-5
HSKA63HYDRO20X90T	20	42	50	38	90	51	10	48	64	M16x1	330	1.3	P-5
HSKA63HYDRO25X120T	25	57	-	53	120	57	10	94	-	M16x1	400	2.16	P-6
HSKA63HYDRO32X125T	32	62	-	58	125	61	10	99	-	M16x1	650	2.7	P-6
HSKA100HYDRO10X90T	10	30	50	26	90	41	10	42	61	M8x1	45	2.5	P-5
HSKA100HYDRO12X95T	12	32	50	28	95	46	10	47	66	M10x1	90	2.6	P-5
HSKA100HYDRO16X100T	16	38	50	34	100	49	10	53	71	M12x1	185	2.7	P-5
HSKA100HYDRO20X105T	20	42	50	38	105	51	10	59	76	M16x1	330	2.8	P-5
HSKA100HYDRO25X110T	25	57	63	53	110	57	10	62	81	M16x1	400	3.7	P-6
HSKA100HYDRO32X110T	32	64	75	60	110	61	10	62	81	M16x1	650	3.8	P-6

* Wrench is not included. Please order separately.
Please use cooling tube (not included).
Tool shank tolerance: h6
Balanced to G2.5, max n: 25,000 min⁻¹

COOLING TUBE-HSK

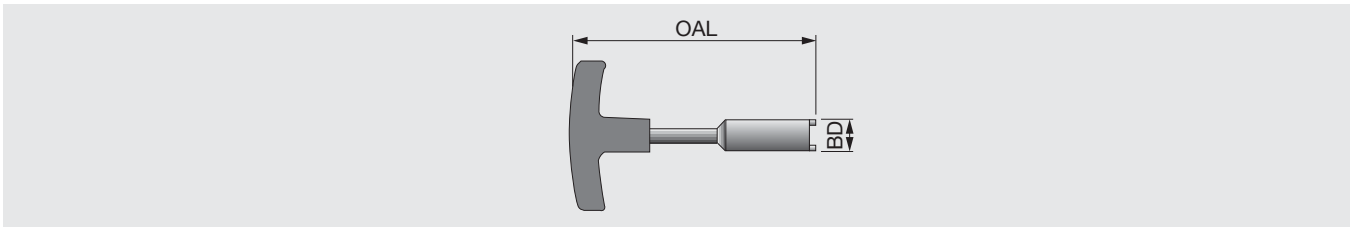
Cooling tube for HSK shank



Designation	HSK size	OAL	LB	G
COOLINGTUBEHSKA63	63	36	11.5	M18X1
COOLINGTUBEHSKA100	100	43.6	15.5	M24X1.5

WRENCH

Wrench for HSK cooling tube

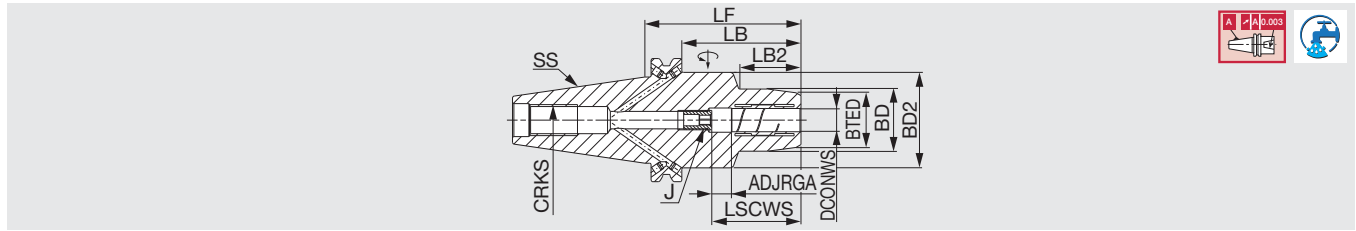


Designation	HSK size	BD	OAL
WRENCH COOL TUBE HSK63	63	17	122
WRENCH COOL TUBE HSK100	100	22	141

New

SK-HYDRO-T

TungHydro hydraulic endmill chuck holders with SK shank



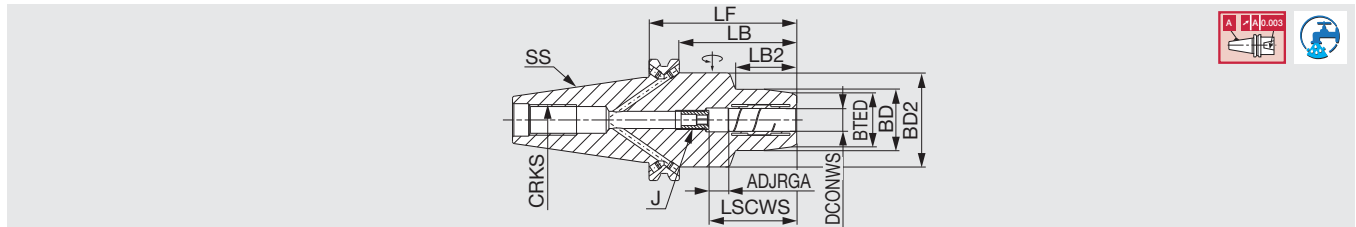
Designation	SS	DCONWS	BD	BD2	BTED	LF	LSCWS	ADJRGA	LB2	LB	J	Min. Torque (N-m)	WT(kg)	CRKS	Wrench*
SK40HYDRO6X80.5T	40	6	26	49.25	22	80.5	37	10	29.5	61.4	M5	16	1.4	M16	P-5
SK40HYDRO8X80.5T	40	8	28	49.25	24	80.5	37	10	30	61.4	M6	23	1.4	M16	P-5
SK40HYDRO10X80.5T	40	10	30	49.25	26	80.5	41	10	31	61.4	M8x1	45	1.4	M16	P-5
SK40HYDRO12X80.5T	40	12	32	49.25	28	80.5	46	10	31.5	61.4	M10x1	90	1.4	M16	P-5
SK40HYDRO16X80.5T	40	16	38	49.25	34	80.5	49	10	33	61.4	M12x1	185	1.4	M16	P-5
SK40HYDRO20X80.5T	40	20	42	49.25	38	80.5	51	10	34	61.4	M16x1	330	1.4	M16	P-5
SK40HYDRO25X80.5T	40	25	55	65.95	53	80.5	57	10	22	61.4	M16x1	400	1.8	M16	P-6
SK40HYDRO32X80.5T	40	32	63	72.95	60	80.5	61	10	25.5	61.4	M16x1	650	2	M16	P-6
SK50HYDRO12X80.5T	50	12	32	49.25	28	80.5	46	10	31.5	61.45	M10x1	90	3.2	M24	P-5
SK50HYDRO16X80.5T	50	16	38	49.25	34	80.5	49	10	33	61.45	M12x1	185	3.2	M24	P-5
SK50HYDRO20X80.5T	50	20	42	49.25	38	80.5	51	10	34	61.45	M16x1	330	3.3	M24	P-5
SK50HYDRO32X103.2T	50	32	64	70.25	60	103.2	61	10	62.5	81.15	M16x1	650	4.4	M24	P-6

* Wrench is not included. Please order separately.
 Tool shank tolerance: h6
 Balanced to G2.5, max n: 25,000 min⁻¹

New

CAT-HYDRO-T

TungHydro hydraulic endmill chuck holders with CAT shank



Designation	SS	DCONWS	BD	BD2	BTED	LF	LSCWS	ADJRGA	LB2	LB	J	Min. Torque (N-m)	WT(kg)	CRKS	Wrench*
CAT40HYDRO6X63.5T	40	6	26	44.45	19.8	63.5	37	10	25	44.45	M5	16	1.1	5/8-11	P-5
CAT40HYDRO8X63.5T	40	8	28	49	23.5	63.5	37	10	26	44.45	M5	23	1.1	5/8-11	P-5
CAT40HYDRO10X63.5T	40	10	30	49	24	63.5	41	10	28	44.45	M5	45	1.1	5/8-11	P-5
CAT40HYDRO12X63.5T	40	12	32	49	27.1	63.5	46	10	27	44.45	M10x1	90	1.1	5/8-11	P-5
CAT40HYDRO16X63.5T	40	16	38	49	33.1	63.5	49	10	28	44.45	M10x1	185	1.2	5/8-11	P-5
CAT40HYDRO20X63.5T	40	20	42	49	37.6	63.5	51	10	26	44.45	M10x1	330	1.2	5/8-11	P-5
CAT40HYDRO1/4X2.500T ⁽¹⁾	40	1/4"	26	44.45	19.8	63.5	37	10	25	44.45	M5	17	1.1	5/8-11	P-5
CAT40HYDRO3/8X2.500T ⁽¹⁾	40	3/8"	30	49	24	63.5	41	10	28	44.45	M5	45	1.1	5/8-11	P-5
CAT40HYDRO1/2X2.500T ⁽¹⁾	40	1/2"	32	49	27	63.5	46	10	24.5	44.45	M10x1	95	1.1	5/8-11	P-5
CAT40HYDRO5/8X2.500T ⁽¹⁾	40	5/8"	38	49	33.1	63.5	49	10	28	44.45	M10x1	185	1.2	5/8-11	P-5
CAT40HYDRO3/4X2.500T ⁽¹⁾	40	3/4"	44.5	49	38	63.5	51	10	23.17	44.45	M10x1	310	1.2	5/8-11	P-5
CAT50HYDRO12X81T	50	12	32	49	25.5	81	46	10	40	61.95	M10x1	90	3.1	1-8	P-5
CAT50HYDRO20X81T	50	20	42	51	35.5	81	51	10	46	61.95	M10x1	330	3.2	1-8	P-5
CAT50HYDRO25X81T	50	25	48	68	41.5	81	57	10	35.4	61.95	M10x1	400	3.5	1-8	P-6
CAT50HYDRO32X81T	50	32	62	75	55.8	81	61	10	40	61.95	M10x1	650	3.8	1-8	P-6
CAT50HYDRO1/2X3.189T ⁽¹⁾	50	1/2"	32	44.45	27.7	81	46	10	31.5	61.95	M10x1	95	3.1	1-8	P-5
CAT50HYDRO3/4X3.189T ⁽¹⁾	50	5/8"	44.5	49	38.9	81	51	10	43.17	61.95	M10x1	310	3.2	1-8	P-5
CAT50HYDRO1X3.189T ⁽¹⁾	50	1"	48	48	43.3	81	57	10	38.5	61.95	M10x1	400	3.4	1-8	P-6
CAT50HYDRO1-1/4X3.189T ⁽¹⁾	50	1 1/4"	62	75	55.8	81	61	10	40	61.95	M10x1	650	3.8	1-8	P-6

(1) inch
 * Wrench is not included. Please order separately.
 Tool shank tolerance: h6
 Balanced to G2.5, max n: 25,000 min⁻¹

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