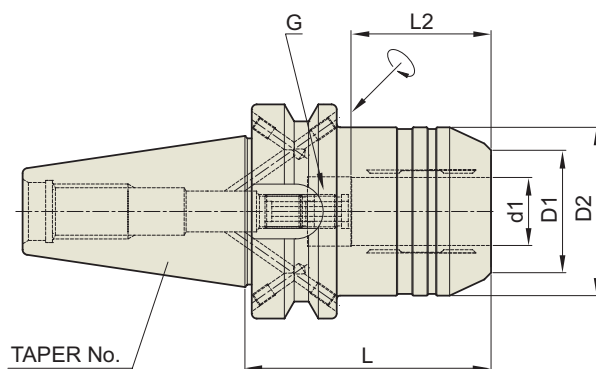


HYDRAULIC CHUCK (SHORT & HEAVY)

MAS403-BT FORM AD/B

MAS403
-BTTaper
Accuracy
AT3G Value
2.5RPM
20,000Coolant
System
AD/B

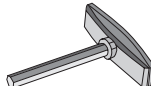
TAPER No.	CODE No.	d1	D1	D2	L	L 2	G	Weight (kg)	Stock
30	BT30AD/B-HC20S-85	20	41	44	85	42	M10×1.0	0.93	●
40	BT40AD/B-HC20S-72.5	20	37	49.5	72.5	42	M16×1.0	1.40	●
50	BT50AD/B-HC20S-90	20	37	49.5	90	42	M16×1.0	3.85	●
	BT50AD/B-HC32S-90	32	55	72	90	55	M16×1.0	4.53	●

▶ In case of BT50, balancing grade shall be guaranteed up to G2.5/15,000rpm.

▶ Higher balancing grade product up to G2.5/40,000(G6.3/100,000rpm) could be supplied by customer's request.

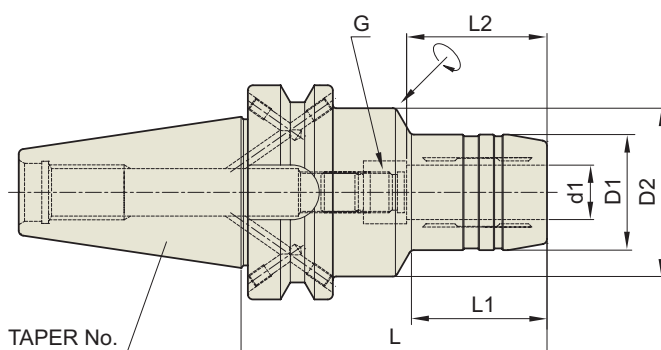
HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE)

HK COLLET	CODE No.	
	HK12	Ø3 ~ Ø8
	HK20	Ø3 ~ Ø16
	HK32	Ø3 ~ Ø25

T-WRENCH	CODE No.
	T-4
	T-5

HYDRAULIC CHUCK (SLIM)

MAS403-BT FORM AD/B

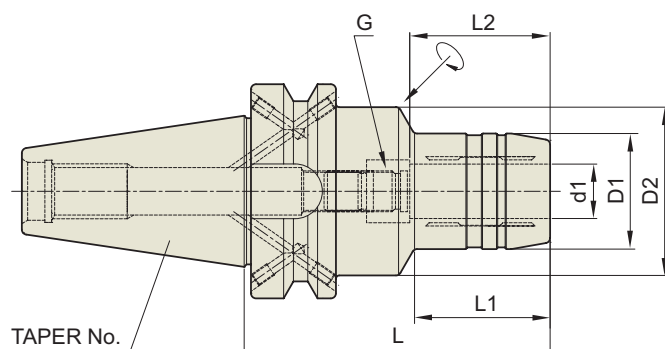
MAS403
-BTTaper
Accuracy
AT3G Value
2.5RPM
20,000Coolant
System
AD/B

TAPER No.	CODE No.	d1	D1	D2	L	L1	L 2	G	Weight (kg)	Stock
30	BT30AD/B-HC6-70	6	26	44.5	70	29.5	27	M5×0.8	0.65	●
	BT30AD/B-HC8-70	8	28	44.5	70	30	27	M6×1.0	0.65	●
	BT30AD/B-HC10-75	10	30	44.5	75	31	32	M8×1.0	0.73	●
	BT30AD/B-HC12-85	12	32	44.5	85	40	37	M10×1.0	0.80	●
	BT30AD/B-HC14-85	14	34	44.5	85	40	37	M10×1.0	0.80	●
	BT30AD/B-HC16-90	16	38	44.5	90	46	42	M12×1.0	0.90	●
	BT30AD/B-HC18-90	18	40	44.5	90	46	42	M12×1.0	0.90	●
	BT30AD/B-HC20-90	20	42	44.5	90	48	42	M16×1.0	0.90	●
40	BT40AD/B-HC6-90	6	26	49.5	90	30	27	M5×0.8	1.30	●
	BT40AD/B-HC8-90	8	28	49.5	90	30	27	M6×1.0	1.30	●
	BT40AD/B-HC10-90	10	30	49.5	90	32	32	M8×1.0	1.35	●
	BT40AD/B-HC12-90	12	32	49.5	90	35	37	M10×1.0	1.35	●
	BT40AD/B-HC14-90	14	34	49.5	90	35	37	M10×1.0	1.35	●
	BT40AD/B-HC16-90	16	38	49.5	90	40	42	M12×1.0	1.40	●
	BT40AD/B-HC18-90	18	40	49.5	90	40	42	M12×1.0	1.45	●
	BT40AD/B-HC20-90	20	42	49.5	90	40	42	M16×1.0	1.50	●
	BT40AD/B-HC25-100	25	50	60	100	45	48	M16×1.0	1.70	●
	BT40AD/B-HC32-105	32	60	60	105	50	55	M16×1.0	2.10	●

► Higher balancing grade product up to G2.5/40,000(G6.3/100,000rpm) could be supplied by customer's request.

HYDRAULIC CHUCK (SLIM)

MAS403-BT FORM AD/B

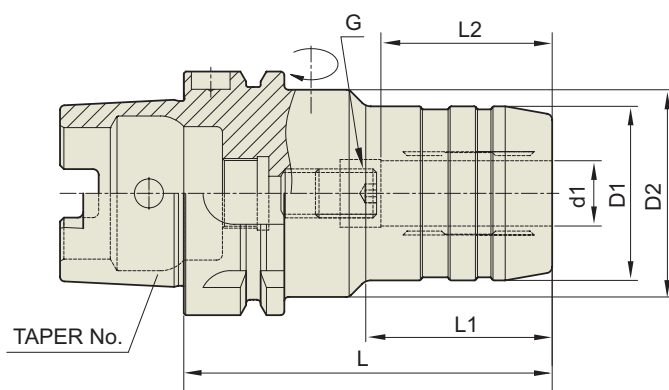
MAS403
-BTTaper
Accuracy
AT3G Value
2.5RPM
15,000Coolant
System
AD/B

TAPER No.	CODE No.	d1	D1	D2	L	L1	L 2	G	Weight (kg)	Stock
50	BT50AD/B-HC6-90	6	26	44.5	90	43	27	M5×0.8	3.75	●
	BT50AD/B-HC6-120	6	26	44.5	120	43	27	M5×0.8	4.10	
	BT50AD/B-HC6-150	6	26	44.5	150	43	27	M5×0.8	4.70	
	BT50AD/B-HC8-90	8	28	44.5	90	44.5	27	M6×1.0	3.75	●
	BT50AD/B-HC8-120	8	28	44.5	120	44.5	27	M6×1.0	4.10	
	BT50AD/B-HC8-150	8	28	44.5	150	44.5	27	M6×1.0	4.10	
	BT50AD/B-HC10-90	10	30	44.5	90	44.5	32	M8×1.0	3.90	●
	BT50AD/B-HC10-120	10	30	44.5	120	44.5	32	M8×1.0	4.30	
	BT50AD/B-HC10-150	10	30	44.5	150	44.5	32	M8×1.0	4.90	
	BT50AD/B-HC12-90	12	32	44.5	90	44.5	37	M10×1.0	3.90	●
	BT50AD/B-HC12-120	12	32	44.5	120	44.5	37	M10×1.0	4.30	
	BT50AD/B-HC12-150	12	32	44.5	150	44.5	37	M10×1.0	4.90	
	BT50AD/B-HC14-90	14	34	44.5	90	44.5	37	M10×1.0	3.90	
	BT50AD/B-HC14-120	14	34	44.5	120	44.5	37	M10×1.0	4.30	
	BT50AD/B-HC14-150	14	34	44.5	150	44.5	37	M10×1.0	4.90	
	BT50AD/B-HC16-90	16	38	44.5	90	44.5	42	M12×1.0	4.00	●
	BT50AD/B-HC16-120	16	38	44.5	120	44.5	42	M12×1.0	4.40	
	BT50AD/B-HC16-150	16	38	44.5	150	44.5	42	M12×1.0	5.00	
	BT50AD/B-HC18-90	18	40	44.5	90	44.5	42	M12×1.0	4.00	
	BT50AD/B-HC18-120	18	40	44.5	120	44.5	42	M12×1.0	4.40	
	BT50AD/B-HC18-150	18	40	44.5	150	44.5	42	M12×1.0	5.00	
	BT50AD/B-HC20-90	20	42	44.5	90	44.5	42	M16×1.0	4.00	●
	BT50AD/B-HC20-120	20	42	44.5	120	44.5	42	M16×1.0	4.40	
	BT50AD/B-HC20-150	20	42	44.5	150	44.5	42	M16×1.0	5.00	
	BT50AD/B-HC25-105	25	50	60	105	47.5	42	M16×1.0	4.40	●
	BT50AD/B-HC25-150	25	50	60	150	47.5	42	M16×1.0	5.60	
	BT50AD/B-HC32-115	32	60	60	115	-	42	M16×1.0	4.70	●
	BT50AD/B-HC32-150	32	60	60	150	-	42	M16×1.0	6.00	

► In case of Hydraulic Chuck with Ø12, Ø20 and Ø32 ID, various cutting tools with different dia. can be used together with Hydraulic Chuck collet(reduction sleeve).

HYDRAULIC CHUCK

DIN69893-HSK FORM A

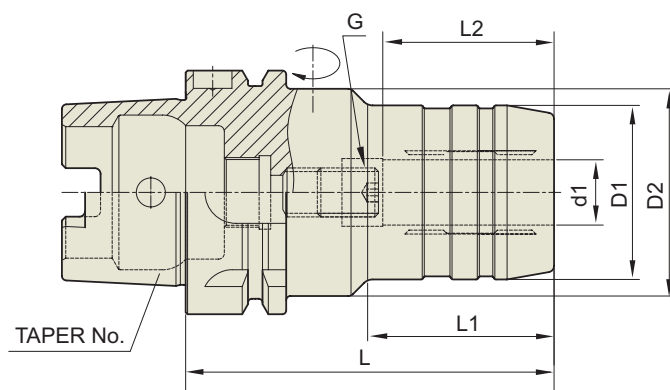
DIN69893
- HSKTaper
Accuracy
AT3G Value
2.5RPM
20,000Coolant
System

TAPER No.	CODE No.	d1	D1	D2	L	L1	L 2	G	Weight (kg)	Stock
40A	HSK40A-HC6-70	6	26	34	70	36	27	M5×0.8	0.50	
	HSK40A-HC8-70	8	28	34	70	36	27	M6×1.0	0.50	
	HSK40A-HC10-75	10	30	34	75	42	32	M6×1.0	0.60	
	HSK40A-HC12-80	12	32	34	80	48	37	M6×1.0	0.65	
50A	HSK50A-HC6-70	6	26	50	70	28	27	M5×0.8	0.65	
	HSK50A-HC8-70	8	28	50	70	28	27	M6×1.0	0.65	
	HSK50A-HC10-75	10	30	50	75	34	32	M8×1.0	0.70	
	HSK50A-HC12-85	12	32	50	85	44	37	M10×1.0	0.75	
	HSK50A-HC14-85	14	34	50	85	44	37	M10×1.0	0.75	
	HSK50A-HC16-90	16	38	53	90	34	42	M12×1.0	0.90	
	HSK50A-HC18-90	18	40	57	90	34	42	M12×1.0	0.90	
	HSK50A-HC20-90	20	42	60	90	34	42	M16×1.0	1.00	
63A	HSK63A-HC6-70	6	26	50	70	24	27	M5×0.8	0.53	●
	HSK63A-HC8-70	8	28	50	70	24	27	M6×1.0	0.55	●
	HSK63A-HC10-80	10	30	50	80	35	32	M8×1.0	1.00	●
	HSK63A-HC12-85	12	32	50	85	40	37	M10×1.0	1.03	●
	HSK63A-HC14-85	14	34	50	85	40	37	M10×1.0	1.05	
	HSK63A-HC16-90	16	38	50	90	46	42	M12×1.0	1.15	●
	HSK63A-HC18-90	18	40	50	90	46	42	M12×1.0	1.15	
	HSK63A-HC20-90	20	42	50	90	48	42	M16×1.0	1.20	●
	HSK63A-HC25-120	25	57	63	120	59	48	M16×1.0	2.20	●
	HSK63A-HC32-125	32	64	75	125	63	55	M16×1.0	2.40	●

► Higher balancing grade product up to G2.5/40,000(G6.3/100,000rpm) could be supplied by customer's request.

HYDRAULIC CHUCK

DIN69893-HSK FORM A



DIN69893 - HSK	Taper Accuracy AT3	G Value 2.5	RPM 15,000	Coolant System
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TAPER No.	CODE No.	d1	D1	D2	L	L1	L 2	G	Weight (kg)	Stock
100A	HSK100A-HC6-75	6	26	50	75	24	27	M5×0.8	3.20	
	HSK100A-HC8-75	8	28	50	75	24	27	M6×1.0	3.20	
	HSK100A-HC10-90	10	30	50	90	35	32	M8×1.0	3.40	
	HSK100A-HC12-95	12	32	50	95	40	37	M10×1.0	3.40	
	HSK100A-HC14-95	14	34	50	95	40	37	M10×1.0	3.40	
	HSK100A-HC16-100	16	38	50	100	46	42	M12×1.0	3.50	
	HSK100A-HC18-100	18	40	50	100	46	42	M12×1.0	3.60	
	HSK100A-HC20-105	20	42	50	105	48	42	M16×1.0	4.00	
	HSK100A-HC25-110	25	57	63	110	59	48	M16×1.0	4.20	
	HSK100A-HC32-110	32	64	75	110	63	55	M16×1.0	4.30	

► In case of Hydraulic Chuck with Ø12, Ø20 and Ø32 ID, various cutting tools with different dia. can be used together with Hydraulic Chuck collet(reduction sleeve).

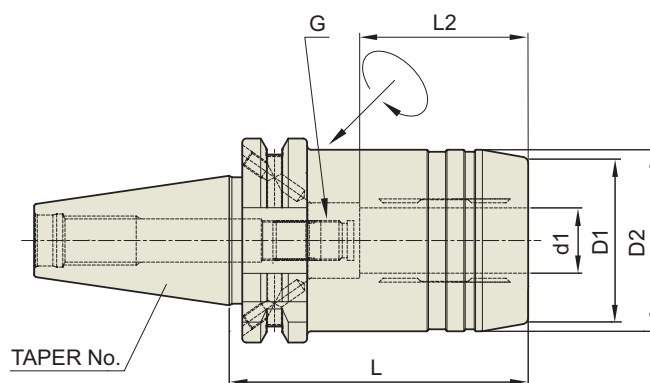
HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE)

HK COLLET	CODE No.	
	HK12	Ø3 ~ Ø8
	HK20	Ø3 ~ Ø16
	HK32	Ø3 ~ Ø25

T-WRENCH	CODE No.
	T-4
	T-5

HYDRAULIC CHUCK (SHORT & HEAVY)

DIN 69871-SK FORM AD/B

DIN 69871
- SKTaper
Accuracy
AT3G Value
2.5RPM
20,000Coolant
System
AD/B

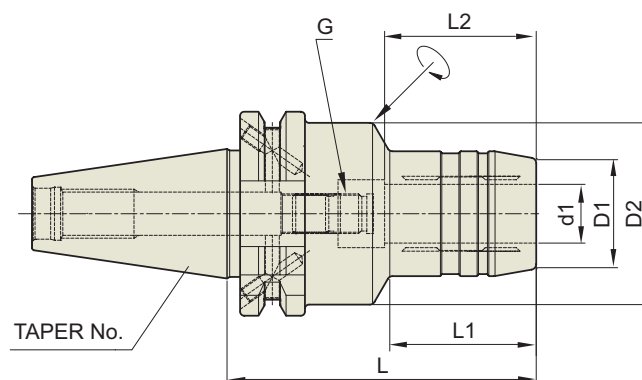
TAPER No.	CODE No.	d1	D1	D2	L	L 2	G	Weight (kg)	Stock
30	SK30AD/B-HC20S-85	20	41	44	85	42	M10 × 1.0	0.53	
40	SK40AD/B-HC20S-64.5	20	37	49.5	64.5	42	M16 × 1.0	1.26	
50	SK50AD/B-HC20S-81	20	37	49.5	81	42	M16 × 1.0	3.65	
	SK50AD/B-HC32S-81	32	55	72	81	55	M16 × 1.0	3.87	

► In case of SK50, balancing grade shall be guaranteed up to G2.5/15,000rpm.

► Higher balancing grade product up to G2.5/40,000(G6.3/100,000rpm) could be supplied by customer's request.

HYDRAULIC CHUCK (SLIM)

DIN 69871-SK FORM AD/B

DIN 69871
- SKTaper
Accuracy
AT3G Value
2.5RPM
20,000Coolant
System
AD/B

TAPER No.	CODE No.	d1	D1	D2	L	L1	L 2	G	Weight (kg)	Stock
30	SK30AD/B-HC6-70	6	26	44.5	70	29.5	27	M5×0.8	0.65	
	SK30AD/B-HC8-70	8	28	44.5	70	30	27	M6×1.0	0.65	
	SK30AD/B-HC10-75	10	30	44.5	75	31	32	M8×1.0	0.73	
	SK30AD/B-HC12-85	12	32	44.5	85	40	37	M10×1.0	0.80	
	SK30AD/B-HC14-85	14	34	44.5	85	40	37	M10×1.0	0.80	
	SK30AD/B-HC16-90	16	38	44.5	90	46	42	M12×1.0	0.90	
	SK30AD/B-HC18-90	18	40	44.5	90	46	42	M12×1.0	0.90	
	SK30AD/B-HC20-90	20	42	44.5	90	48	42	M16×1.0	0.90	
40	SK40AD/B-HC6-80.5	6	22	26	80.5	30	27	M5×0.8	1.31	
	SK40AD/B-HC6-110	6	22	26	110	30	27	M5×0.8	1.76	
	SK40AD/B-HC8-80.5	8	24	28	80.5	30	27	M12×1.0	1.34	
	SK40AD/B-HC8-110	8	24	28	110	30	27	M6×1.0	1.76	
	SK40AD/B-HC10-80.5	10	26	30	80.5	32	32	M8×1.0	1.34	
	SK40AD/B-HC10-110	10	26	30	110	32	32	M8×1.0	1.76	
	SK40AD/B-HC12-80.5	12	28	32	80.5	35	37	M10×1.0	1.34	
	SK40AD/B-HC12-110	12	28	32	110	35	37	M10×1.0	1.76	
	SK40AD/B-HC16-80.5	16	34	38	80.5	40	42	M12×1.0	1.34	
	SK40AD/B-HC16-110	16	34	38	110	40	42	M12×1.0	1.76	
	SK40AD/B-HC20-80.5	20	38	42	80.5	40	42	M16×1.0	1.35	
	SK40AD/B-HC20-110	20	38	42	110	40	42	M16×1.0	1.78	
	SK40AD/B-HC25-80.5	25	46	50	80.5	45	48	M16×1.0	1.75	
	SK40AD/B-HC32-110	32	56	60	110	50	55	M16×1.0	2.60	
50	SK50AD/B-HC6-80.5	6	22	26	80.5	30	27	M5×0.8	3.00	
	SK50AD/B-HC8-80.5	8	24	28	80.5	30	27	M6×1.0	3.00	
	SK50AD/B-HC10-80.5	10	26	30	80.5	32	32	M8×1.0	3.00	
	SK50AD/B-HC12-80.5	12	28	32	80.5	35	37	M10×1.0	3.05	
	SK50AD/B-HC16-80.5	16	34	38	80.5	40	42	M12×1.0	3.10	
	SK50AD/B-HC20-80.5	20	38	42	80.5	40	42	M16×1.0	3.15	

► In case of SK50, balancing grade shall be guaranteed up to G2.5/15,000rpm.

► Higher balancing grade product up to G2.5/40,000(G6.3/100,000rpm) could be supplied by customer's request.