HYDRAULIC CHUCK



3μm RUN-OUT HIGH PRECISION

Balancing

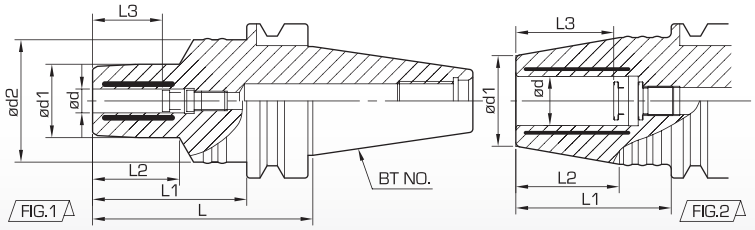
G6.3
BT30 / BT40
Max.25,000 RPM
Or U ≤ 1gmm

G6.3
BT50
Max.20,000 RPM
Or U ≤ 1gmm

Option / 選配 **G2.5**
BT30 / BT40
Max.25,000 RPM
Or U ≤ 1gmm

Option / 選配 **G2.5**
BT50
Max.20,000 RPM
Or U ≤ 1gmm

Dimensions



page.144

Screw

page.118

Collet

Order No.		FIG	ød	ød1	ød2	L	L1	L2	Tool Clamping Depth L3	Screw	Collet
BT30 (BTT30)	HY06-075	1	6	26	45.5	75	53	24.5	31~36	HY06-M5	-
	HY08-075	1	8	28	45.5	75	53	25.5	31~36	HY08-M6	-
	HY10-075	1	10	30	45.5	75	53	35.5	35~40	HY08-M6	-
	HY12-090	1	12	32	45.5	90	68	40	39~45	HY08-M6	HY12-C
	HY16-090	1	16	38	45.5	90	68	40	42~48	HY14-M8	-
	HY20-090	2	20	37	51	90	68	42	44~50	HY18-M12	HY20-C
BT40 (BTT40)	HY03-090	1	3	32	50	90	63	40	20~25	HY03-M5	-
	HY04-090	1	4	32	50	90	63	40	20~25	HY03-M5	-
	HY06-090	1	6	26	50	90	63	24.5	31~36	HY06-M5	-
	HY08-090	1	8	28	50	90	63	25.5	31~36	HY08-M6	-
	HY10-090	1	10	30	50	90	63	35.5	35~40	HY08-M6	-
	HY12-090	1	12	32	50	90	63	40	39~45	HY08-M6	HY12-C
	HY14-090	1	14	34	50	90	63	40	39~45	HY14-M8	-
	HY16-090	1	16	38	50	90	63	40	42~48	HY14-M8	-
	HY18-090	1	18	40	50	90	63	40	42~48	HY18-M12	-
	HY20-090	2	20	37	53	90	63	42	44~50	HY18-M12	HY20-C
	HY25-100	2	25	43	57	100	73	37	50~56	HY25-M16	-
	HY32-105	2	32	50.5	62.5	105	78	31.5	53~60	HY25-M16	HY32-C
BT50 (BTT50)	HY06-100	1	6	26	49	100	62	24.5	31~36	HY06-M5	-
	HY08-100	1	8	28	49	100	62	25.5	31~36	HY06-M5	-
	HY10-100	1	10	30	50	100	62	35.5	35~40	HY08-M6	-
	HY12-100	1	12	32	50	100	62	40	39~45	HY08-M6	HY12-C
	HY14-100	1	14	34	50	100	62	40	39~45	HY14-M8	-
	HY16-100	1	16	38	50	100	62	40	42~48	HY14-M8	-
	HY18-105	1	18	40	50	105	67	40	42~48	HY18-M12	-
	HY20-105	2	20	37	53	105	67	42	44~50	HY18-M12	HY20-C
	HY25-115	2	25	43	57	115	77	37	50~56	HY25-M16	-
	HY32-115	2	32	50.5	62.5	115	77	31.5	53~60	HY25-M16	HY32-C

Remarks / 備註

- Direct Clamping
- h6(h6 Tooling Diameter Tolerance)

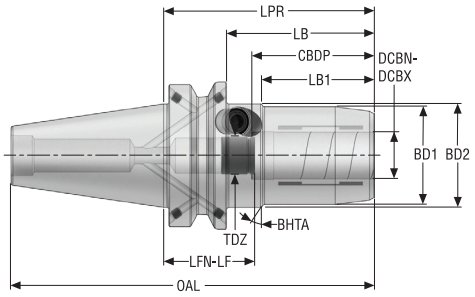
Applications



Conventional type – Metric/ Inch

BT JIS B 6339-ADB

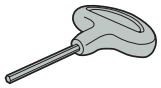




—Run-out ≤3 µm
—For reduction sleeves, see page(s) 384, 385
—For ISO attribute explanation, see page 15

Designation	Item number	CTMS	DCBN-DCBX	LPR	LB	LB1	CBDP	BD2	BD1	OAL	LFN	LF	TDZ	BHTA°	RFID hole	Balan-cing	Weight
			mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*					kg *lbs*
BT40ADB-HC06-090	10137297	BT40 ADB	6,0 *0.236*	90,0 *3.543*	63,0 *2.480*	43,0 *1.693*	38,5 *1.516*	44,5 *1.752*	26,05 *1.026*	155,4 *6.118*	53,0 *2.087*	63,0 *2.480*	M5	20,0	1	G2.5	1,4 *3.090*
BT40ADB-HC08-090	10137298	BT40 ADB	8,0 *0.315*	90,0 *3.543*	63,0 *2.480*	44,5 *1.752*	38,5 *1.516*	44,5 *1.752*	28,0 *1.102*	155,4 *6.118*	53,0 *2.087*	63,0 *2.480*	M6x1	20,0	1	G2.5	1,4 *3.090*
BT40ADB-HC10-090	10137299	BT40 ADB	10,0 *0.394*	90,0 *3.543*	63,0 *2.480*	44,5 *1.752*	42,5 *1.673*	44,5 *1.752*	30,0 *1.181*	155,4 *6.118*	49,0 *1.929*	59,0 *2.323*	M8x1	20,0	1	G2.5	1,4 *3.090*
BT40ADB-HC12-090	10137300	BT40 ADB	12,0 *0.472*	90,0 *3.543*	63,0 *2.480*	44,5 *1.752*	47,5 *1.870*	44,5 *1.752*	32,0 *1.260*	155,4 *6.118*	44,0 *1.732*	54,0 *2.126*	M10x1	20,0	1	G2.5	1,4 *3.090*
BT40ADB-HC16-090	10137301	BT40 ADB	16,0 *0.630*	90,0 *3.543*	63,0 *2.480*	47,5 *1.870*	50,5 *1.988*	44,5 *1.752*	38,0 *1.496*	155,4 *6.118*	41,0 *1.614*	51,0 *2.008*	M12x1	20,0	1	G2.5	1,5 *3.310*
BT40ADB-HC20-090	10137302	BT40 ADB	20,0 *0.787*	90,0 *3.543*	63,0 *2.480*	47,5 *1.870*	52,5 *2.067*	44,5 *1.752*	42,0 *1.654*	155,4 *6.118*	39,0 *1.535*	49,0 *1.929*	M16x1	20,0	1	G2.5	1,5 *3.310*
BT50ADB-HC20-090	10137303	BT50 ADB	20,0 *0.787*	90,0 *3.543*	52,0 *2.047*	34,0 *1.339*	52,5 *2.067*	49,3 *1.939*	42,0 *1.654*	191,8 *7.551*	39,0 *1.535*	49,0 *1.929*	M16x1	20,0	1	G2.5	3,9 *8.600*
BT50ADB-HC32-120	10137304	BT50 ADB	32,0 *1.260*	120,0 *4.724*	82,0 *3.228*	62,5 *2.461*	62,5 *2.461*	70,3 *2.766*	64,0 *2.520*	221,8 *8.732*	59,0 *2.323*	69,0 *2.717*	M16x1	20,0	1	G2.5	5,2 *11.460*

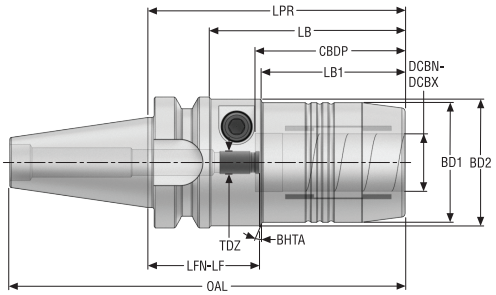
Accessories

For	Key
	
BT40	H05-4
BT50, DCBN = 20	H05-4
BT50, DCBN = 32	03MS06L

Reinforced type – Metric/ Inch

BT JIS B 6339-AD/ADB

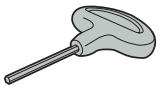




—Run-out ≤3 µm
—For reduction sleeves, see page(s) 384, 385
—For ISO attribute explanation, see page 15

Designation	Item number	CTMS	DCBN-DCBX	LPR	LB	LB1	CBDP	BD2	BD1	OAL	LFN	LF	TDZ	BHTA°	RFID hole	Balan-cing	Weight
			mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*					kg *lbs*
BT30AD-HCR12-069	10137136	BT30 AD	12,0 *0.472*	69,0 *2.717*	47,0 *1.850*	32,0 *1.260*	47,5 *1.870*	44,5 *1.752*	42,0 *1.654*	117,4 *4.622*	23,0 *0.906*	33,0 *1.299*	M8x1	20,0	0	G2.5	0,9 *1.980*
BT30AD-HCR20-090	10137137	BT30 AD	20,0 *0.787*	90,0 *3.543*	68,0 *2.677*	50,0 *1.969*	52,5 *2.067*	44,5 *1.752*	42,0 *1.654*	138,4 *5.449*	39,0 *1.535*	49,0 *1.929*	M8x1	20,0	0	G2.5	1,0 *2.200*
BT40ADB-HCR12-058	10137140	BT40 ADB	12,0 *0.472*	58,0 *2.283*	31,0 *1.220*	–	47,5 *1.870*	–	42,0 *1.654*	123,4 *4.858*	12,0 *0.472*	22,0 *0.866*	M8x1	–	0	G2.5	1,2 *2.650*
BT40ADB-HCR20-072	10137141	BT40 ADB	20,0 *0.787*	72,5 *2.854*	45,5 *1.791*	–	52,5 *2.067*	–	49,25 *1.939*	137,9 *5.429*	21,5 *0.846*	31,5 *1.240*	M8x1	–	0	G2.5	1,4 *3.090*
BT50ADB-HCR20-083	10137144	BT50 ADB	20,0 *0.787*	83,5 *3.287*	45,5 *1.791*	–	52,5 *2.067*	–	49,25 *1.939*	185,3 *7.295*	32,5 *1.280*	42,5 *1.673*	M8x1	–	0	G2.5	4,1 *9.040*
BT50ADB-HCR32-090	10137145	BT50 ADB	32,0 *1.260*	90,0 *3.543*	52,0 *2.047*	–	62,5 *2.461*	–	72,0 *2.835*	191,8 *7.551*	29,0 *1.142*	39,0 *1.535*	M8x1	–	0	G2.5	4,7 *10.360*

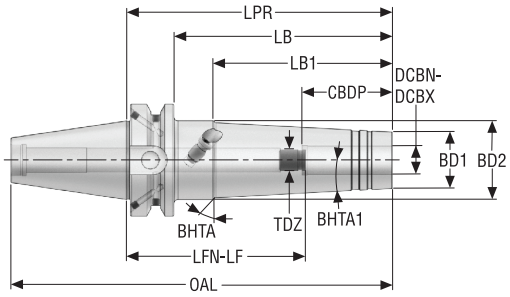
Accessories

For	Key
	
BT30	H05-4
BT40	H05-4
BT50, DCBN = 20	H05-4
BT50, DCBN = 32	03MS06L

Slim type
– Metric/ Inch

BT JIS B 6339-ADB





—Run-out ≤3 µm
—For reduction sleeves, see page(s) 384, 385
—For ISO attribute explanation, see page 15

Designation	Item number	CTMS	DCBN-DCBX	LPR	LB	LB1	CBDP	BD2	BD1	OAL	LFN	LF	TDZ	BHTA°	BHTA1°	RFID hole	Balan-cing	Weight
			mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*	mm *inch*						kg *lbs*
BT40ADB-HCS06-150	10137340	BT40 ADB	6,0 *0.236*	150,0 *5.906*	123,0 *4.843*	100,0 *3.937*	37,0 *1.457*	44,5 *1.752*	20,0 *0.787*	215,4 *8.480*	113,0 *4.449*	123,0 *4.843*	M5x0.8	30,0	3,0	1	G2.5	1,6 *3.530*
BT40ADB-HCS08-150	10137341	BT40 ADB	8,0 *0.315*	150,0 *5.906*	123,0 *4.843*	100,0 *3.937*	37,0 *1.457*	44,5 *1.752*	22,0 *0.866*	215,4 *8.480*	113,0 *4.449*	123,0 *4.843*	M6x1	30,0	3,0	1	G2.5	1,7 *3.750*
BT40ADB-HCS10-150	10137342	BT40 ADB	10,0 *0.394*	150,0 *5.906*	123,0 *4.843*	100,0 *3.937*	42,0 *1.654*	44,5 *1.752*	24,0 *0.945*	215,4 *8.480*	110,0 *4.331*	120,0 *4.724*	M8x1	30,0	3,0	1	G2.5	1,7 *3.750*
BT40ADB-HCS12-150	10137343	BT40 ADB	12,0 *0.472*	150,0 *5.906*	123,0 *4.843*	100,0 *3.937*	47,0 *1.850*	44,5 *1.752*	25,0 *0.984*	215,4 *8.480*	105,0 *4.134*	115,0 *4.528*	M10x1	30,0	3,0	1	G2.5	1,8 *3.970*
BT40ADB-HCS16-150	10137344	BT40 ADB	16,0 *0.630*	150,0 *5.906*	123,0 *4.843*	100,0 *3.937*	52,0 *2.047*	44,5 *1.752*	32,0 *1.260*	215,4 *8.480*	100,0 *3.937*	110,0 *4.331*	M12x1	30,0	3,0	1	G2.5	2,0 *4.410*
BT40ADB-HCS20-150	10137345	BT40 ADB	20,0 *0.787*	150,0 *5.906*	123,0 *4.843*	–	52,0 *2.047*	46,9 *1.846*	34,0 *1.339*	215,4 *8.480*	100,0 *3.937*	110,0 *4.331*	M16x1	–	3,0	1	G2.5	2,0 *4.410*

Accessories

For	Key
	
All	03MS04C