

SP-Holder



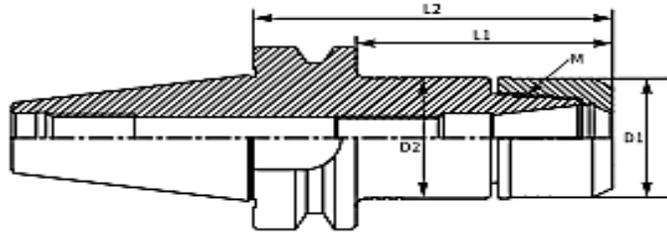
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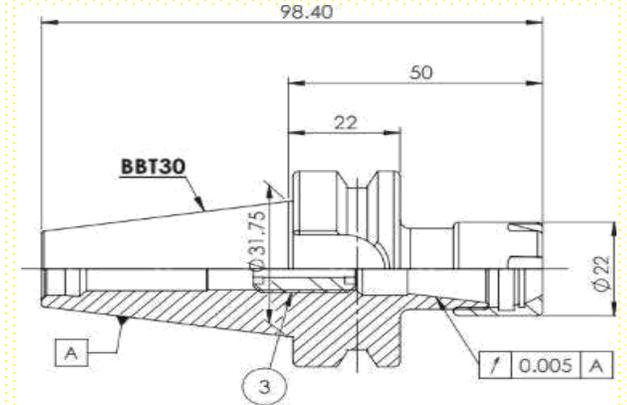
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BBT-HGER High Speed ER Collet Chuck



Technical data	CLAMPING RANGE	D1	D2	L1	L2	M
BBT30-HGER16-60	3.0—10.0	30	30.5	39	60	TR22*1.5
BBT30-HGER16-75	3.0—10.0	30	30.5	54	75	TR22*1.5
BBT30-HGER16-90	3.0—10.0	30	30.5	69	90	TR22*1.5
BBT30-HGER16-120	3.0-10.0	30	30.5	99	120	TR22*1.5
BBT30-HGER20-60	3.0—13.0	32	32.5	39	60	TR26*1.5
BBT30-HGER20-75	3.0—13.0	32	32.5	54	75	TR26*1.5
BBT30-HGER20-90	3.0-13.0	32	32.5	69	90	TR26*1.5
BBT30-HGER20-120	3.0-13.0	32	32.5	99	120	TR26*1.5
BBT30-HGER25-60	3.0—16.0	40	40.5	39	60	TR32*1.5
BBT30-HGER25-75	3.0—16.0	40	40.5	54	75	TR32*1.5
BBT30-HGER25-90	3.0-16.0	40	40.5	69	90	TR32*1.5
BBT30-HGER25-120	3.0-16.0	40	40.5	99	120	TR32*1.5
BBT30-HGER32-60	3.0—20.0	50	45	39	60	TR40*1.5
BBT30-HGER32-75	3.0-20.0	50	45	54	75	TR40*1.5
BBT30-HGER32-90	3.0—20.0	50	45	69	90	TR40*1.5
BBT30-HGER32-120	3.0—20.0	50	45	99	120	TR40*1.5

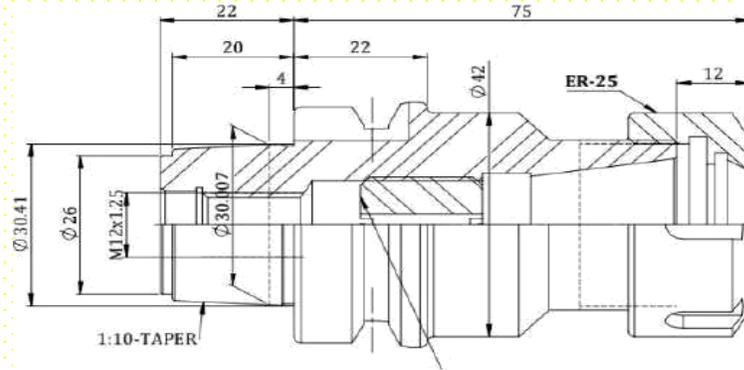
BBT-ER High Speed ER Collet Chuck



Technical data	CLAMPING RANGE	D1	L1	M
BBT30-ER11-120	1.0-6.0	16	120	12
BBT30-ER16-50	3.0—10.0	22	50	12
BBT30-ER16-75	3.0-10.0	22	75	12
BBT30-ER16-120	3.0—13.0	22	120	12
BBT30-ER50-100	3.0-13.0	78	100	12

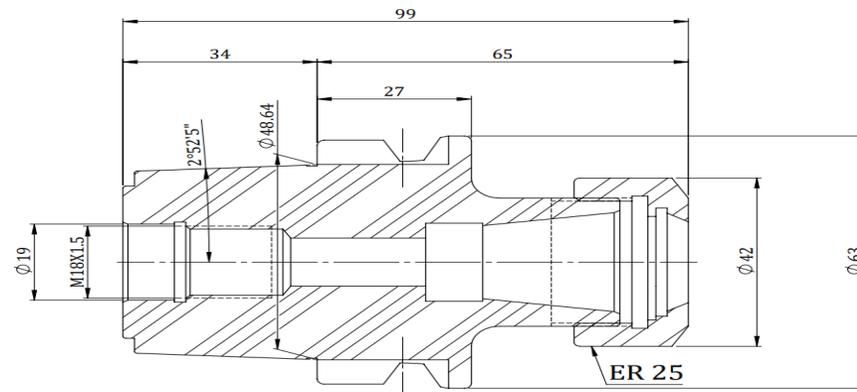
Holder ER Collet NE5

•Holder ER Collet NE5-46/Fanuc



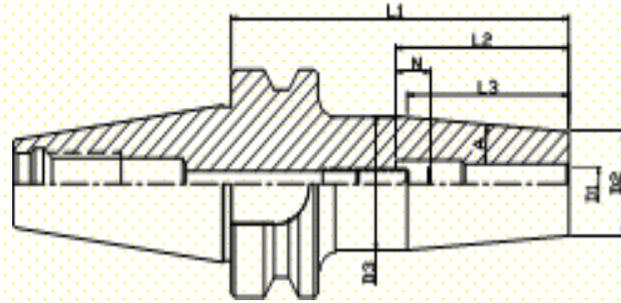
Cat.No	D1	L1	M
NE5-46 ER11M-75	16	75	M13x0.75
NE5-46 ER16M-75	22	75	M19x1.0
NE5-46 ER25M-75	42	75	M32x1.5
NE5-46 ER32M-75	50	60	M40x1.5
NE5-46 ER32M-60	50	75	M40x1.5

•Holder ER Collet NE5-63/SKG



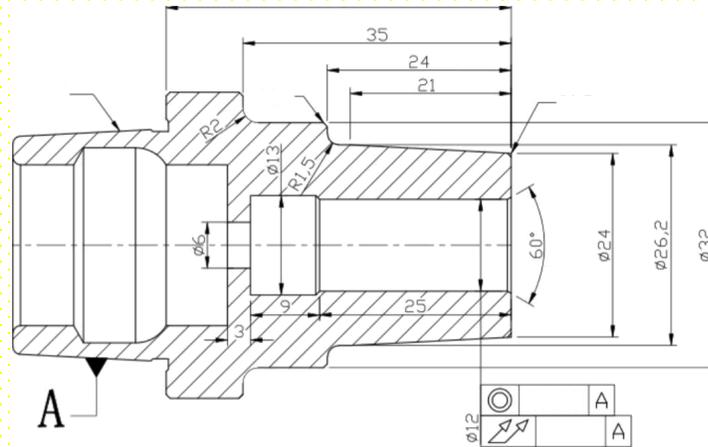
Cat.No	D1	L1	M
NE5-63 ER11M-65	16	65	M13x0.75
NE5-63 ER16M-65	22	65	M19x1.0
NE5-63 ER25M-65	42	65	M32x1.5
NE5-63 ER32M-65	50	65	M40x1.5

Holder is Shrink fit BBT-SFC Shrink Fit Chuck



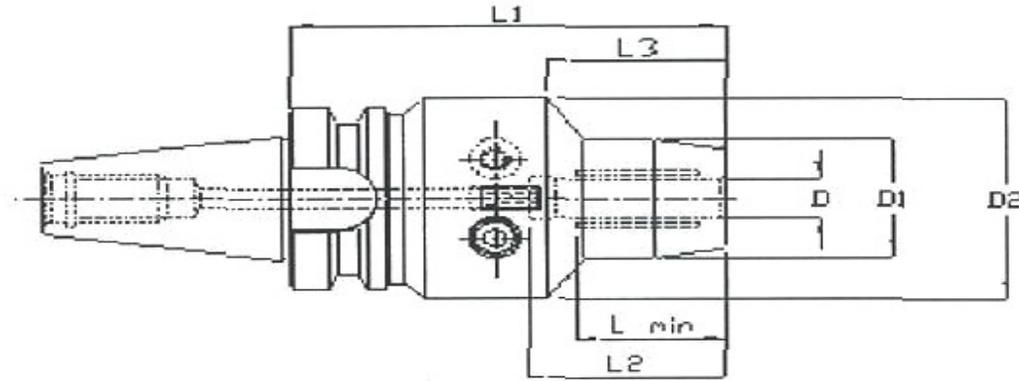
Cat.No	D1	D2	D3	L1	L2
BBT30-SFC06-60	6	22	26	60	35
BBT30-SFC08-60	8	22	26	60	35
BBT30-SFC10-60	10	22	26	60	35
BBT30-SFC12-60	12	22	26	60	35
BBT40-SFC10-60	10	22	26	60	35

Holder is Shrink fit HSK-A Shrink Fit Chuck



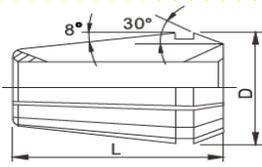
Cat.No	D1	D2	D3	L1	L2
HSK40A-SFC06-45	6	24	26	45	25
HSK40A-SFC10-45	10	24	26	45	25
HSK40A-SFC12-45	12	24	26	45	25

Hydraulic Chucks



Cat. No	D	D1	D2	L1	L2	L3	L Min
BBT30-SHYD06-075M	6	26	50	75	38	24	23
BBT30-SHYD08-075M	8	28	50	75	38	24	24
BBT30-SHYD10-080M	10	30	50	80	40	26	30
BBT30-SHYD12-085M	12	32	50	85	45	40	36
BBT30-SHYD14-100M	14	34	50	100	45	40	40
BBT30-SHYD16-100M	16	38	50	100	50	46	40
BBT30-SHYD18-100M	18	40	50	100	52	50	43
BBT30-SHYD20-100M	20	42	50	100	52	50	43

Collet Type



Collet Type	Diameter ID / mm [d]																								
Holder ER11	0.5-1	1-2	2-3	4-5	5-6	6-7																			
Holder ER16	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10																	
Holder ER 25	5-6	6-7	7-8	8-9	9-10	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16						
Holder ER 32	7-8	8-9	9-10	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20				
Holder ER 50	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30	30-31	31-32	32-33	33-34			

ER NUT

Type	Model No	D	L	T
M	ER8M	12	11	M10x0.75P
	ER11M	16	12	M13x0.75P
	ER16M	22	18	M19x1.0P
	ER20M	28	19	M24x1.0P
	ER25M	35	20	M30x1.0P
RD	ER16UM	32	17	M22x1.5P
	ER20UM	35	19	M25x1.5P
	ER25UM	42	20	M32x1.5P
	ER32UM	50	22.5	M40x1.5P
	ER40UM	63	25.5	M50x1.5P
GER	ER50UM	78	35.5	M64x2.0P
	GER8	12	13	M10x0.75P
	GER11	19.5	11.3	M13x0.75P
	GER16	27.1	23	M19x1.0P
	GER16B	22	18	M19x1.0P
	GER20	33	25	M24x1.0P
	GER20B	27.5	19	M24x1.0P
	GER25	40	26	M30x1.0P
GER32	50	30	M40x1.0P	

ER SPANNER

Type	Model No	D	L
M	ER8M	7.5	70
	ER11M	11	90
	ER16M	15	110
	ER20M	19.5	120
	ER25M	25	130
UM	ER16UM	26	180
	ER20UM	30	190
	ER25UM	37	210
	ER32UM	46.5	250
	ER40UM	58	290
G	ER50UM	74	350
	GH50	50	200
	GH40	40	181