



MACHINE TOOLS ACCESSORY EXPERT
HIGH PRECISION TOOLS SUPPLIER

CUSTOMIZABLE PRODUCT & PACKAGE SOLUTION
GLOBAL FAMOUS BRAND PARTNER



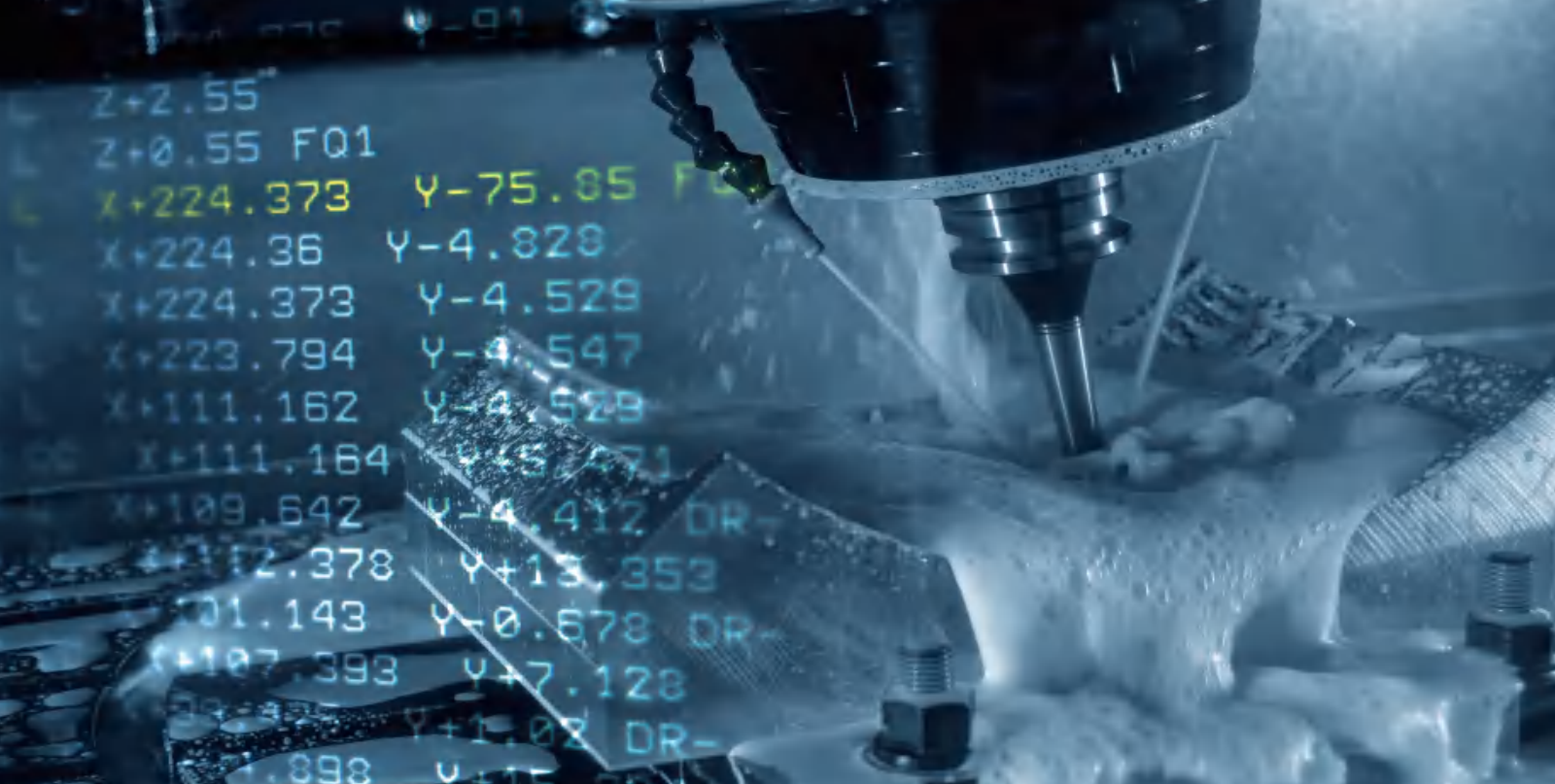
MACHINE TOOLS ACCESSORY

ONE-STOP SOURCING

<https://www.hoshingmetrology.com>

info @ hoshingtools.com





COMPAN INTRODUCTION

Dalian Hoshing IMP&EXP Co.,Ltd is a leading supplier in the metalworking industry, dedicated to providing high cost-performance metalworking tools and outstanding metal processing solutions.

Our product line includes machine tools accessory, cutting tools, and measuring tools, designed to meet various metalworking needs in both traditional sales models and the new era of online marketing.

Our advantage is customizing the product lines for each customer to fulfill their specific market and client;

Our goal is outstanding our customers in their local markets;

- with continuous innovation and keeping pace with the times,
- offering quality products and services,
- building a good reputation.

Our service tenet is in high efficiency, competitive cost and stronger market competitiveness;

We believe that through our professional services and high-quality products, we can achieve business success together.

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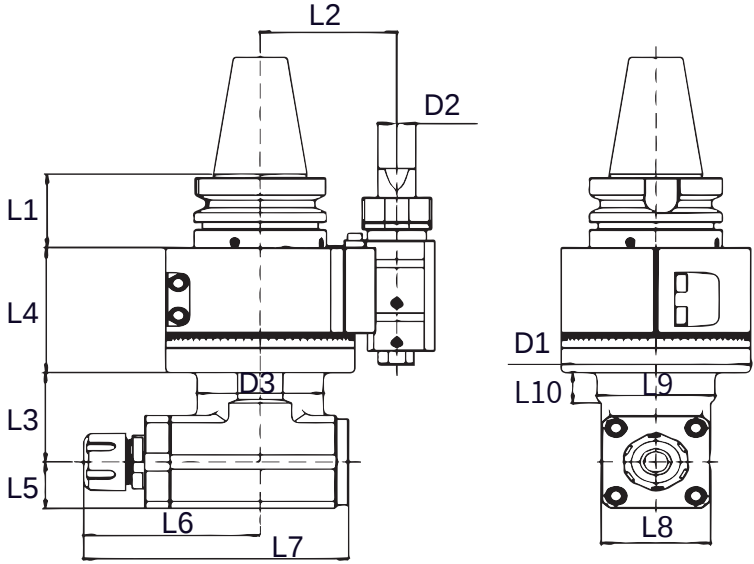
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ONE-STOP SOURCING

Angle Head

AGH-ER series

- (1) angular contact bearing made in japan
- (2) bevel gear made in Germany
- (3) The angular position of spindle is 90° and process vertically
- (4) Accuracy:0.02mm
- (5) Coolant feed from the center and stop block;



Motivation optional size:

SK30/40/50	CAT30/40/50	SK30/40/50	KM63/80/100	1S030/40/50	HSK63/80/100

Output optional size: SLN FMB SDC BT Customized

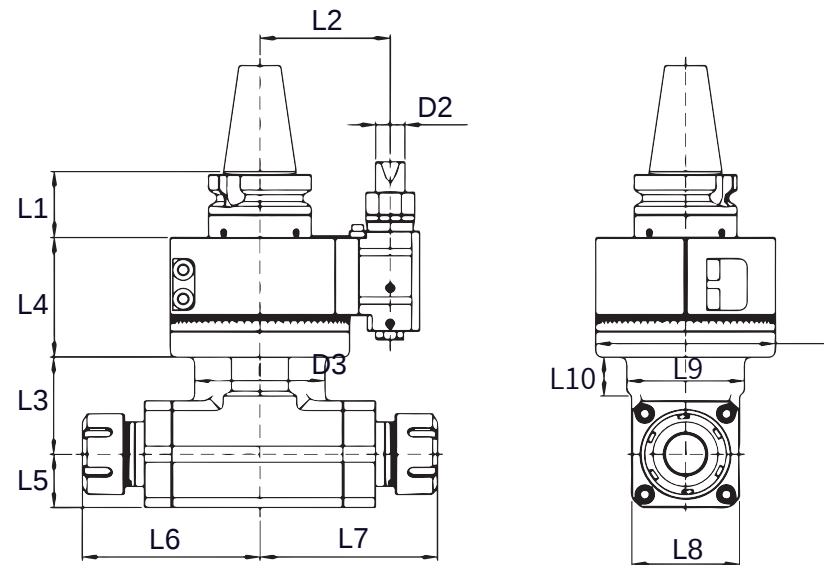
Model	Output	Max.Torq	Power	Max.RPM	Ratio	L1	L2	L3	L4
AGH90-ER11	ER11	6NM	1.0KW	4500rpm	1:1	41/48	65/80	-	70
AGH90-ER16	ER16	12NM	1.5kw	4500rpm	1:1	41/48	65/80	-	70
AGH90-ER20	ER20	16NM	2.0kw	4500rpm	1:1	41/48	65/80	-	70
AGH90-ER25	ER25	30NM	3.0KW	4000rpm	1:1	41/48	65/80	-	74
AGH90-ER32	ER32	40NM	4.0KW	3500rpm	1:1	41/48	80/110	-	74
AGH90-ER40	ER40	75NM	6.0KW	3000rpm	1:1	41/48	80/110	-	79

Model	L5	L6	L7	L8	L9	L10	D1	D2	D3
AGH90-ER11	18	43.5	70.5	36	40	32	90	18	42
AGH90-ER16	21	69.5	109.5	42	46	32	90	18	55
AGH90-ER20	26	84	126	52	56	17	90	18	60
AGH90-ER25	30	93.5	145.5	60	64	17	100	18	70
AGH90-ER32	33	109	168	66	72	24	110	18	80
AGH90-ER40	38	126.5	186.5	76	82	24	120	18	90

AGH-ERx2



- (1) angular contact bearing made in japan
- (12) bevel gear made in Germany
- (13) The angular position of spindle is 90° and process vertically
- (14) Accuracy:0.02mm
- (15) Coolant feed from the center and stop block;



Motivation optional size:

SK30/40/50	CAT30/40/50	SK30/40/50	KM63/80/100	1S030/40/50	HSK63/80/100

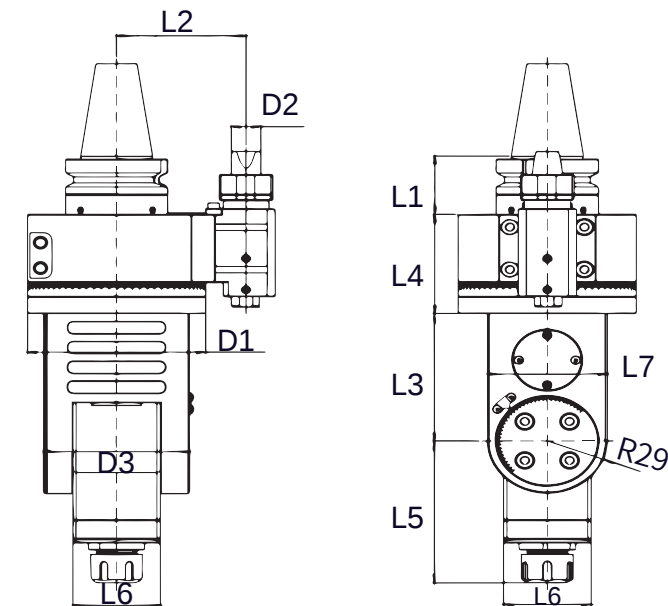
Output optional size: BT Customized

Model	Output	Max.Torq	Power	Max.RPM	Ratio	L1	L2	L3	L4
AGH90-ER16x2	ER16	12NM	1.5kw	4500rpm	1:1	41/48	65/80	-	70
AGH90-ER20x2	ER20	16NM	2.0kw	4000rpm	1:1	41/48	65/80	-	70
AGH90-ER25x2	ER25	30NM	3.0KW	4000rpm	1:1	41/48	65/80	-	74
AGH90-ER32x2	ER32	40NM	4.0KW	3500rpm	1:1	41/48	80/110	-	74
AGH90-ER40x2	ER40	75NM	6.0KW	3000rpm	1:1	41/48	80/110	-	79

Model	L5	L6	L7	L8	L9	L10	D1	D2	D3
AGH90-ER16x2	21	69.5	69.5	42	46	32	90	18	55
AGH90-ER20x2	26	84	84	52	56	17	90	18	60
AGH90-ER25x2	30	93.5	93.5	60	64	17	100	18	70
AGH90-ER32x2	33	109	109	66	72	24	110	18	80
AGH90-ER40x2	38	126.5	126.5	76	82	24	120	18	90

AGU-ER

- (1) angular contact bearing made in japan
- (2) bevel gear made in Germany
- (3) The angular position of spindle is 90° and process vertically
- (4) Accuracy:0.02mm
- (5) Coolant feed from the center and stop block;



Motivation optional size:

SK30/40/50	CAT30/40/50	SK30/40/50	KM63/80/100	1S030/40/50	HSK63/80/100

Output optional size: BT

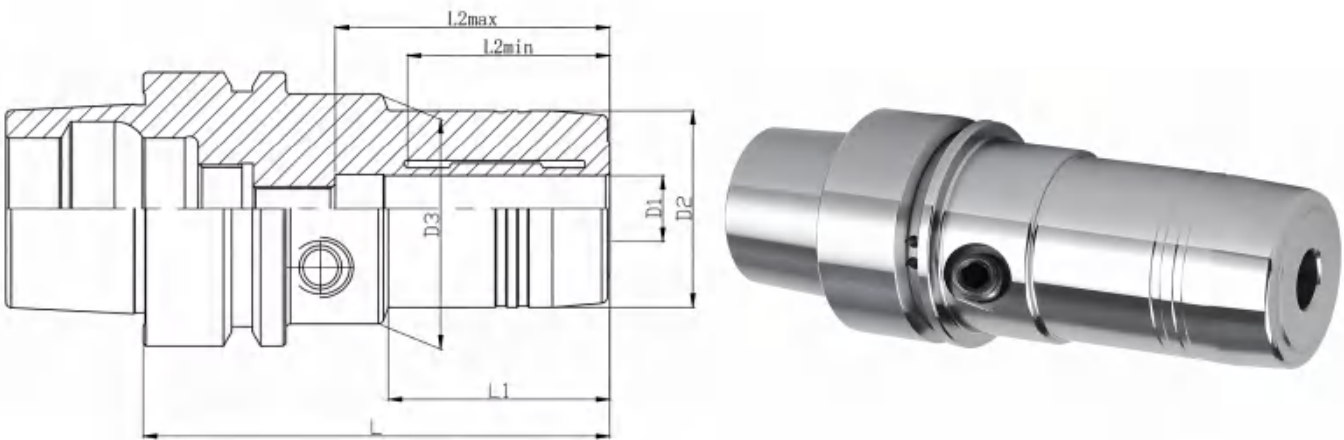
Model	Output	Max.Torq	Power	Max.RPM	Ratio	L1	L2	L3
AGU-ER16	ER16	10NM	1.5kw	4000rpm	1:1	41/48	65/80	-
AGU-ER20	ER20	12NM	2.0kw	4000rpm	1:1	41/48	80/110	-
AGU-ER25	ER25	25NM	2.5KW	3500rpm	1:1	41/48	-	-
AGU-ER32	ER32	35NM	3.0KW	3000rpm	1:1	41/48	-	-

Model	L4	L5	L6	L7	D1	D2	D3	D4
AGU-ER16	64	85	46	58	100	18	72	-
AGU-ER20	70	100	54	74	110	18	90	-
AGU-ER25	68	123.5	60	86	140	-	106	198
AGU-ER32	73	139	74	100	170	-	120	228

CNC Milling Chucks

CNC Milling chucks-HSK series

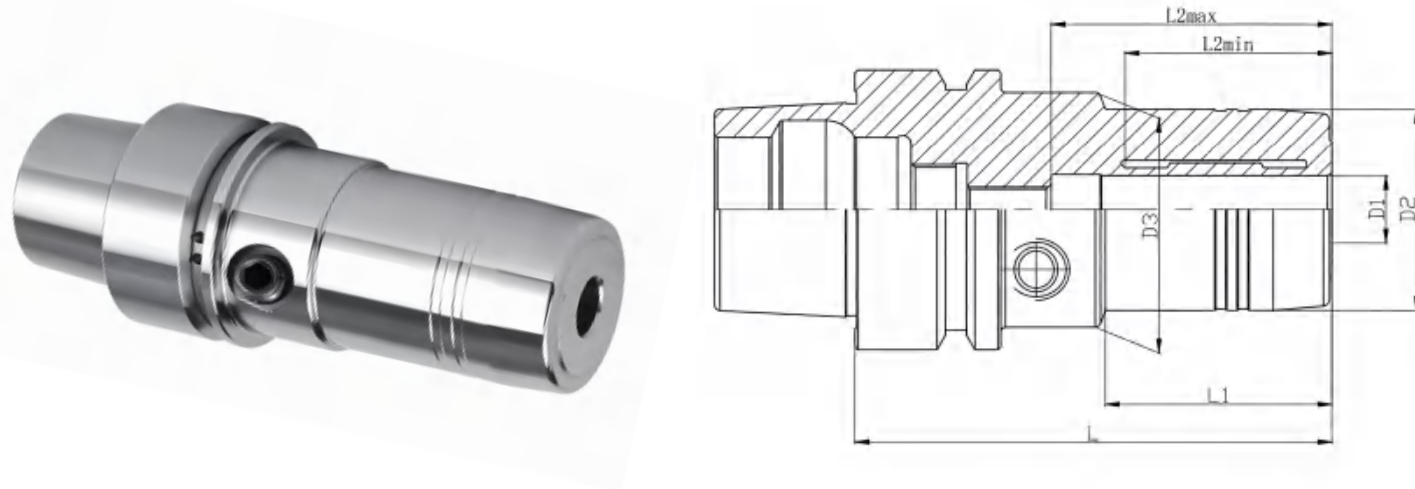
HSK High precision hydraulic tool holder



Model No.	D1	D2	D3	L	L1	L2min	L2max	M	Price
HSK40E-HDC06-70L	6	30	42	70	25.5	26	38	M5	
HSK40E-HDC08-70L	8	32	42	70	26	28	38	M6	
HSK40E-HDC10-75L	10	34	42	75	32.6	34	45	M8	
HSK40E-HDC12-80L	12	36	42	80	40	36	50	M8	
HSK50E-HDC06-70L	6	30	42	70	25.5	26	38	M5	
HSK50E-HDC08-70L	8	32	42	70		28	38	M6	
HSK50E-HDC10-80L	10	34	42	80	32.6	34	45	M8	
HSK50E-HDC12-85L	12	36	42	85	40	36	50	M8	
HSK50E-HDC16-90L	16	40	42	90	43	41	52	M8	
HSK50E-HDC20-90L	20	42	42	90	64	41	52	M8	
HSK50A-HDC06-70L	6	30	42	70	25.5	26	38	M5	
HSK50A-HDC08-70L	8	32	42	70	26	28	38	M6	
HSK50A-HDC10-80L	10	34	42	80	32.6	34	45	M8	
HSK50A-HDC12-85L	12	36	42	85	40	36	50	M8	
HSK50A-HDC16-90L	16	40	42	90	43	41	52	M8	
HSK50A-HDC20-90L	20	42	42	90	64	41	52	M8	
HSK63A-HDC06-80L	6	32	48	80	32	29	46	M5	
HSK63A-HDC06-125L	6	32	48	125	38.5	28	44.5	M5	
HSK63A-HDC08-80L	8	34	50	80	32	29	46	M6	
HSK63A-HDC08-125L	8	32	48	125	38.5	28	44.5	M6	
HSK63A-HDC10-80L	10	36	50	80	32	31	50	M8	
HSK63A-HDC10-125L	10	36	50	125	40	37	51	M8	

CNC Milling chucks-HSK series

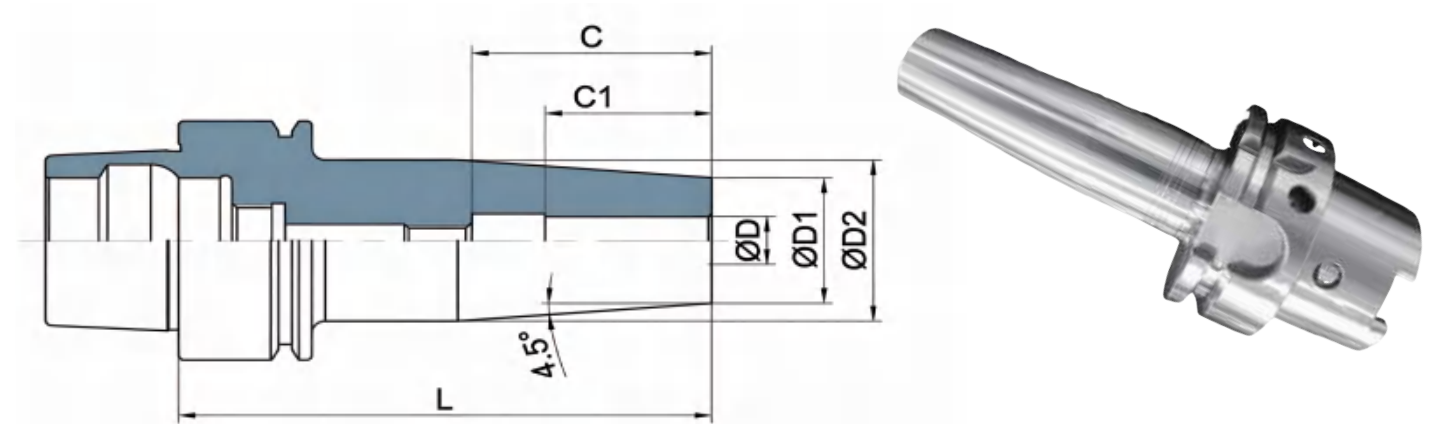
HSK High precision hydraulic tool holder



Model No.	D1	D2	D3	L	L1	L2min	L2max	M	Price
HSK63A-HDC12-80L	12	38	50	80	32	32	50	M8	
HSK63A-HDC12-125L	12	38	50	125	41	37	51	M8	
HSK63A-HDC14-80L	14	40	50	80	40	38	50	M8	
HSK63A-HDC16-90L	16	42	50	90	41	40	51	M8	
HSK63A-HDC16-125L	16	42	50	125	43	40	52	M8	
HSK63A-HDC18-90L	18	42	50	90	41	40	51	M8	
HSK63A-HDC20-90L	20	42	50	90	41	40	52.5	M8	
HSK63A-HDC20-120L	20	44	50	125	41	40	52.5	M8	
HSK63A-HDC20-175L	20	42	50	175	41	40	52.5	M8	
HSK63A-HDC20-200L	20	42	50	200	45	40	52.5	M8	
HSK63A-HDC25-110L	25	53	63	110	55.5	45	61	M8	
HSK63A-HDC32-110L	32	63	63	110	60.5	55	65	M8	
HSK100A-HDC06-90L	6	30	48	90	31	28	44.5	M5	
HSK100A-HDC08-90L	8	32	48	90	31	28	44.5	M6	
HSK100A-HDC10-105L	10	36	50	105	38	37	51	M8	
HSK100A-HDC12-105L	12	38	52	105	40	37	51	M8	
HSK100A-HDC14-105L	14	38	52	105	41	41	51	M8	
HSK100A-HDC16-105L	16	41	54	105	42	41	52	M12	
HSK100A-HDC18-105L	18	42	50	105	41	41	52	M12	
HSK100A-HDC20-105L	20	43	54	105	41	41	53	M12	
HSK100A-HDC25-110L	25	52	62	110	55	49	65	M12	
HSK100A-HDC32-110L	32	63	72	110	57	52	65	M12	

CNC Milling chucks-HSK series

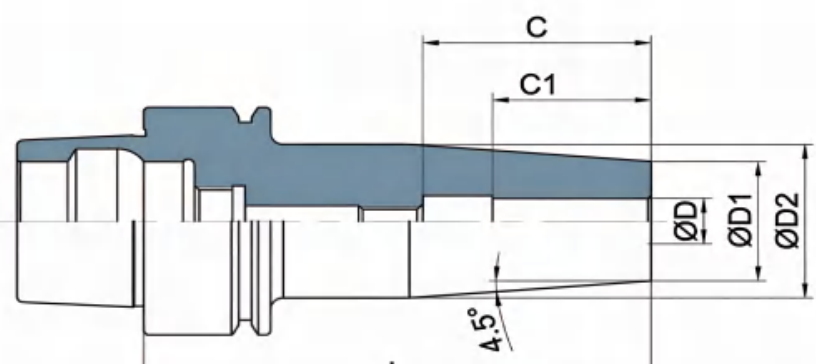
HSK Shrink Fit Tool Holder



Model No.	Ø D	Ø D1	Ø D2	L	Insection Length C1	Insection Length C	Price
HSK40E-SFA04-60	4	15	20	60	14	20	
HSK40E-SFA06-60	6	21	27	60	25	36	
HSK40E-SFA06-80	6	21	27	80	25	36	
HSK40E-SFA08-60	8	21	27	60	25	36	
HSK40E-SFA08-80	8	21	27	80	25	36	
HSK40E-SFA10-60	10	24	32	60	31	42	
HSK40E-SFA10-90	10	24	32	90	31	42	
HSK40E-SFA12-60	12	24	32	60	36	47	
HSK40E-SFA12-90	12	24	32	90	36	47	
HSK50E-SFA04-60	4	15	20	60	14	20	
HSK50E-SFA06-80	6	21	27	80	25	36	
HSK50E-SFA08-80	8	21	27	80	25	36	
HSK50E-SFA10-85	10	24	32	85	31	42	
HSK50E-SFA12-90	12	24	32	90	36	47	
HSK50E-SFA16-95	16	27	34	95	39	50	
HSK63A-SFA04-80	4	15	20	80	14	—	
HSK63A-SFA06-80	6	21	27	80	25	36	
HSK63A-SFA06-120	6	21	27	120	25	36	
HSK63A-SFA06-160	6	21	27	160	25	36	
HSK63A-SFA06-200	6	21	27	200	25	36	
HSK63A-SFA08-80	8	21	27	80	25	36	
HSK63A-SFA08-120	8	21	27	120	25	36	
HSK63A-SFA08-160	8	21	27	160	25	36	

CNC Milling chucks-HSK series

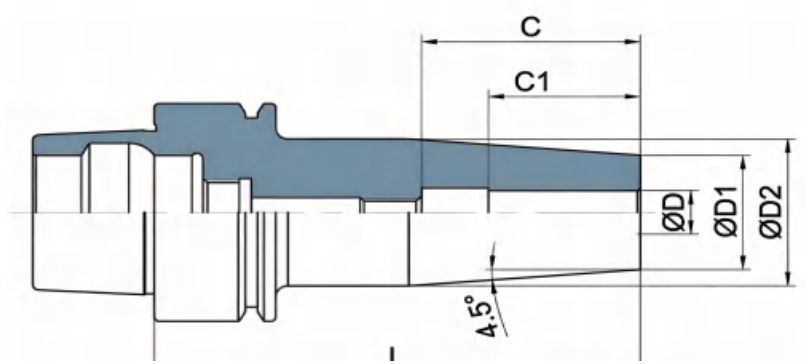
HSK Shrink Fit Tool Holder



Model No.	Ø D	Ø D1	Ø D2	L	Insection Length C1	Insection Length C	Price
HSK63A-SFA08-200	8	21	27	200	25	36	
HSK63A-SFA10-85	10	24	32	85	31	42	
HSK63A-SFA10-120	10	24	32	120	31	42	
HSK63A-SFA10-160	10	24	32	160	31	42	
HSK63A-SFA10-200	10	24	32	200	31	42	
HSK63A-SFA12-90	12	24	32	90	36	47	
HSK63A-SFA12-120	12	24	32	120	36	47	
HSK63A-SFA12-160	12	24	32	160	36	47	
HSK63A-SFA12-200	12	24	32	200	36	47	
HSK63A-SFA14-90	14	27	34	90	36	47	
HSK63A-SFA16-95	16	27	34	90	39	50	
HSK63A-SFA16-120	16	27	34	120	39	50	
HSK63A-SFA16-160	16	27	34	160	39	50	
HSK63A-SFA16-200	16	27	34	200	39	50	
HSK63A-SFA18-95	18	33	42	90	39	50	
HSK63A-SFA20-100	20	33	42	90	41	52	
HSK63A-SFA20-120	20	33	42	120	41	52	
HSK63A-SFA20-160	20	33	42	160	41	52	
HSK63A-SFA25-115	25	44	53	100	47	58	
HSK63A-SFA25-160	25	44	53	160	47	58	
HSK63A-SFA25-200	25	44	53	200	47	58	
HSK63A-SFA32-120	32	44	53	100	47	58	
HSK63A-SFA32-160	32	44	53	160	47	58	
HSK100A-SFA06-85	6	21	27	85	25	36	
HSK100A-SFA06-120	6	21	27	120	25	36	
HSK100A-SFA06-160	6	21	27	160	25	36	

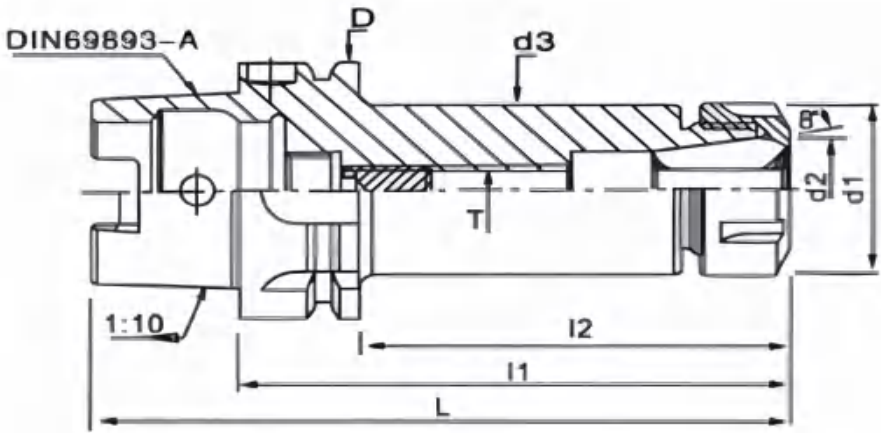
CNC Milling chucks-HSK series

HSK Shrink Fit Tool Holder



Model No.	Ø D	Ø D1	Ø D2	L	Insection Length C1	Insection Length C	Price
HSK100A-SFA06-200	6	21	27	200	25	36	
HSK100A-SFA08-85	8	21	27	85	25	36	
HSK100A-SFA08-120	8	21	27	120	25	36	
HSK100A-SFA08-160	8	21	27	160	25	36	
HSK100A-SFA08-200	8	21	27	200	25	36	
HSK100A-SFA10-90	10	24	32	90	31	42	
HSK100A-SFA10-120	10	24	32	120	31	42	
HSK100A-SFA10-160	10	24	32	160	31	42	
HSK100A-SFA10-200	10	24	32	200	31	42	
HSK100A-SFA12-95	12	24	32	95	36	47	
HSK100A-SFA12-120	12	24	32	120	36	47	
HSK100A-SFA12-160	12	24	32	160	36	47	
HSK100A-SFA12-200	12	24	32	200	36	47	
HSK100A-SFA14-95	14	27	34	95	36	47	
HSK100A-SFA16-100	16	27	34	100	39	50	
HSK100A-SFA16-160	16	27	34	160	39	50	
HSK100A-SFA16-200	16	27	34	200	39	50	
HSK100A-SFA18-100	18	33	42	100	39	50	
HSK100A-SFA20-100	20	33	42	100	41	52	
HSK100A-SFA20-160	20	33	42	160	41	52	
HSK100A-SFA20-200	20	33	42	200	41	52	
HSK100A-SFA25-115	25	44	53	115	47	58	
HSK100A-SFA25-160	25	44	53	160	47	58	
HSK100A-SFA25-200	25	44	53	200	47	58	
HSK100A-SFA32-120	32	44	53	120	47	58	
HSK100A-SFA32-160	32	44	53	160	47	58	

HSK ER Tool Holder



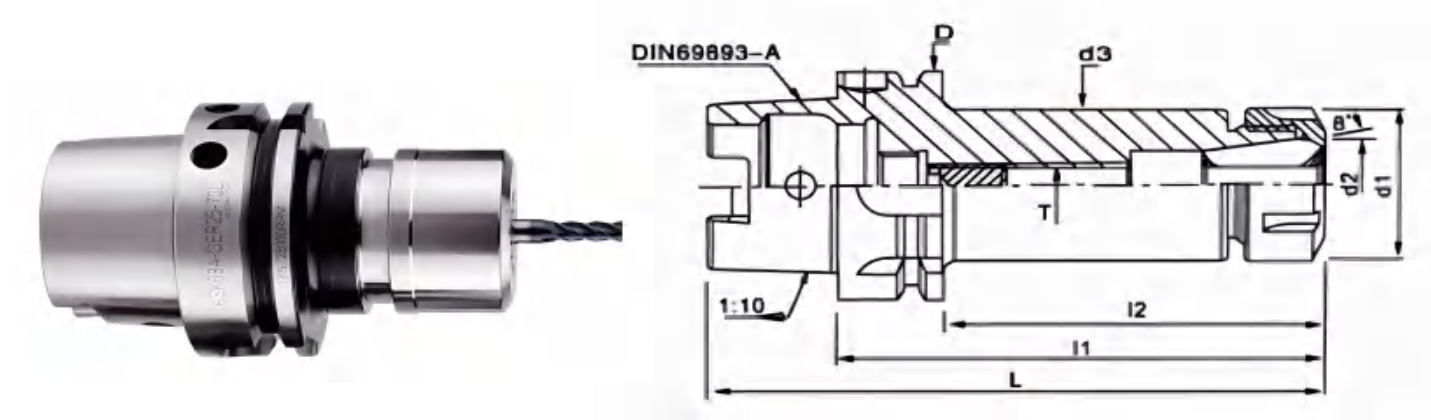
Model No.	L	l1	l2	D	d1	d2	d3	T	Price
HSK50A-ER16-80	105	80	54	50	28	16	28	M10X1.5P	
HSK50A-ER16-100	125	100	74		28	16	28	M10X1.5P	
HSK50A-ER16-120	145	120	94		28	16	28	M10X1.5P	
HSK50A-ER20-80	105	80	54		34	20	34	M12X1.75P	
HSK50A-ER20-100	125	100	74		34	20	34	M12X1.75P	
HSK50A-ER20-120	145	120	94		34	20	34	M12X1.75P	
HSK50A-ER25-80	105	80	54		42	25	42	M16X2.0P	
HSK50A-ER25-100	125	100	74		42	25	42	M16X2.0P	
HSK50A-ER25-135	160	135	109		42	25	42	M16X2.0P	
HSK50A-ER32-80	125	80	74		50	32	50	M16X2.0P	
HSK50A-ER32-135	160	135	109		50	32	50	M16X2.0P	
HSK50A-ER32-160	185	160	134		50	32	50	M16X2.0P	

HSK ER Tool Holder

Model No.	L	l1	l2	D	d1	d2	d3	T	Price
HSK63A-ER16-100	132	100	74	63	28	16	28	M10X1.5P	
HSK63A-ER16-150	182	150	124		28	16	28	M10X1.5P	
HSK63A-ER20-100	132	100	74		34	20	34	M12X1.75P	
HSK63A-ER20-150	182	150	124		34	20	34	M12X1.75P	
HSK63A-ER25-100	132	100	74		42	25	42	M16X2.0P	
HSK63A-ER25-150	182	150	124		42	25	42	M16X2.0P	
HSK63A-ER32-100	132	100	74		50	32	50	M16X2.0P	
HSK63A-ER32-150	182	150	124		50	32	50	M16X2.0P	
HSK63A-ER32-200	232	200	174		50	32	50	M16X2.0P	
HSK63A-ER40-100	132	100	74		63	40	60	M20X2.0P	
HSK63A-ER40-150	182	150	124		63	40	60	M20X2.0P	
HSK63A-ER40-200	232	200	174		63	40	60	M20X2.0P	
HSK100A-ER16-100	150	100	71	100	28	16	28	M10X1.5P	
HSK100A-ER16-160	210	160	131		28	16	28	M10X1.5P	
HSK100A-ER20-100	150	100	71		34	20	34	M12X1.75P	
HSK100A-ER20-160	210	160	131		34	20	34	M12X1.75P	
HSK100A-ER25-100	150	100	71		42	25	42	M16X2.0P	
HSK100A-ER25-160	210	160	161		42	25	42	M16X2.0P	
HSK100A-ER32-100	150	100	71		50	32	50	M16X2.0P	
HSK100A-ER32-160	210	160	131		50	32	50	M16X2.0P	
HSK100A-ER40-120	170	120	91		63	40	60	M20X2.0P	
HSK100A-ER40-175	225	175	146		63	40	60	M20X2.0P	
HSK100A-ER40-200	250	200	171		63	40	60	M20X2.0P	

CNC Milling chucks-HSK series

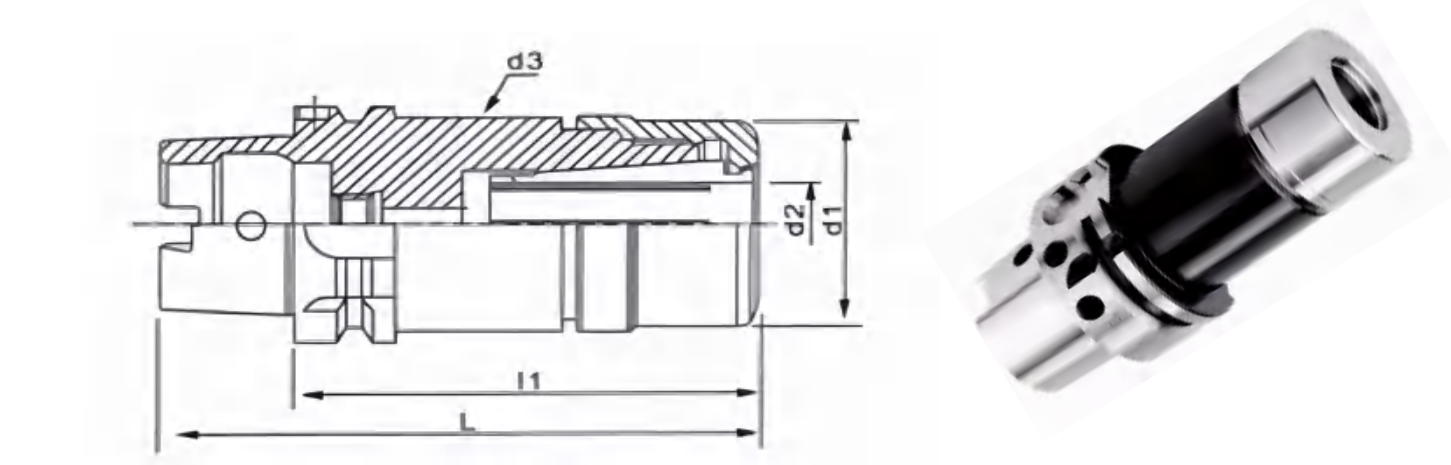
ISK GER Tool Holder



Model No.	L	l1	l2	D	d1	d2	d3	T	Price
HSK40E-GER16-60	86	60	40	40	27	16	28	M8X1.0P	
HSK40E-GER20-60	86	60	40		30	20	31	M10X1.5P	
HSK50A-GER16-80	105	80	54		28	16	28	M10X1.5P	
HSK50A-GER16-100	125	100	74		28	16	28	M10X1.5P	
HSK50A-GER16-120	145	120	94	50	28	16	28	M10X1.5P	
HSK50A-GER20-80	105	80	54		34	20	34	M12X1.75P	
HSK50A-GER20-100	125	100	74		34	20	34	M12X1.75P	
HSK50A-GER20-120	145	120	94		34	20	34	M12X1.75P	
HSK50A-GER25-80	105	80	54		42	25	42	M16X2.0P	
HSK50A-GER25-100	125	100	74		42	25	42	M16X2.0P	
HSK50A-GER20-135	160	135	109		42	25	42	M16X2.0P	
HSK50A-GER32-80	125	80	74		50	32	50	M16X20P	
HSK50A-GER32-135	160	135	109	63	50	32	50	M16X20P	
HSK50A-GER32-160	185	160	134		50	32	50	M16X20P	
HSK63A-GER16-100	132	100	74		28	16	28	M10X1.5P	
HSK63A-GER16-150	182	150	124		28	16	28	M10X1.5P	
HSK63A-GER20-100	132	100	74	100	34	20	34	M10X1.5P	
HSK63A-GER20-150	182	150	124		34	20	34	M10X1.5P	
HSK63A-GER25-150	132	100	74		42	25	42	M16X2.0P	
HSK100A-GER16-100	150	100	71		28	16	28	M10X1.5P	
HSK100A-GER16-160	210	160	131	100	28	16	28	M10X1.5P	
HSK100A-GER20-100	150	100	71		34	20	34	M12X1.75P	
HSK100A-GER20-160	210	160	131		34	20	34	M12X1.75P	
HSK100A-GER25-100	150	100	71		42	25	42	M16X2.0P	
HSK100A-GER25-160	210	160	161		42	25	42	M16X2.0P	
HSK100A-GER32-100	150	100	71		50	32	50	M16X2.0P	
HSK100A-GER32-160	210	160	131		50	32	50	M16X2.0P	

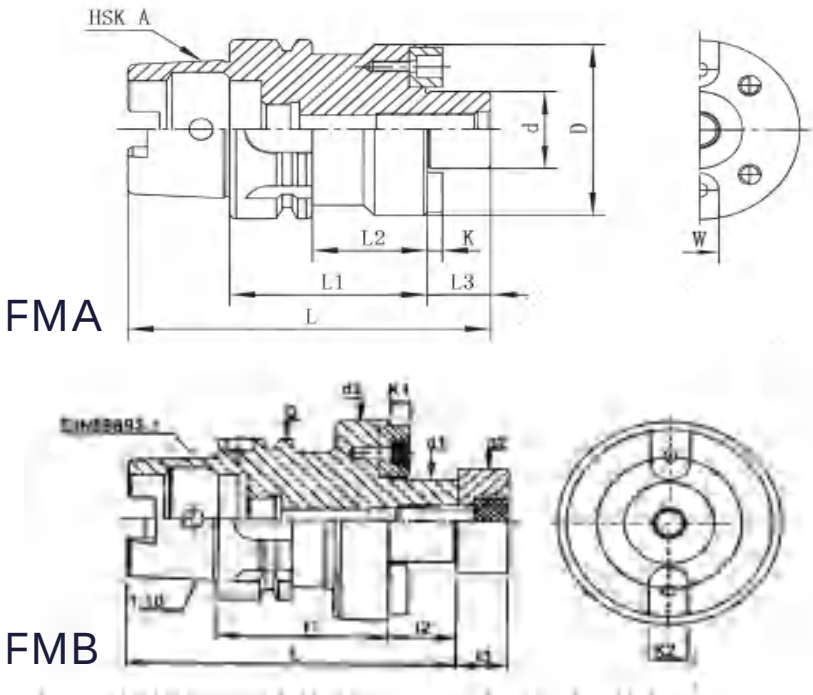
CNC Milling chucks-HSK series

HSK GSK Tool Holder



Model No.	L	Applied nut	Clamping range	d1	d2	d3	Price
HSK40E-GSK10-70	90	GSK10	1.75-10.0	27.5	29	29	
HSK50A-GSK6-60	85	GSK6	0.7-6.0	19.5	20.5	20.5	
HSK50A-GSK6-90	115	GSK6	0.7-6.0	19.5	20.5	32	
HSK50A-GSK10-60	85	GSK10	1.75-10.0	27.5	29	29	
HSK50A-GSK10-90	115	GSK10	0.7-6.0	27.5	29	29	
HSK50A-GSK16-90	115	GSK16	2.75-16.0	40	41.9	41.9	
HSK63A-GSK6-60	92	GSK6	0.7-6.0	19.5	20.5	20.5	
HSK63A-GSK6-90	122	GSK6	0.7-6.0	19.5	20.5	32	
HSK63A-GSK6-120	152	GSK6	0.7-6.0	19.5	20.5	32	
HSK63A-GSK10-60	92	GSK10	1.75-10.0	27.5	29	29	
HSK63A-GSK10-90	122	GSK10	1.75-10.0	27.5	29	40	
HSK63A-GSK10-120	152	GSK10	1.75-10.0	27.5	29	40	
HSK63A-GSK10-150	182	GSK10	1.75-10.0	27.5	29	40	
HSK63A-GSK16-60	92	GSK16	2.75-16.0	40	41.9	41.9	
HSK63A-GSK16-90	122	GSK16	2.75-16.0	40	41.9	41.9	
HSK63A-GSK16-120	152	GSK16	2.75-16.0	40	41.9	41.9	
HSK63A-GSK16-150	182	GSK16	2.75-16.0	40	41.9	41.9	
HSK100A-GSK10-105	155	GSK10	1.75-10.0	27.5	29	29	
HSK100A-GSK10-135	185	GSK10	1.75-10.0	27.5	29	32	
HSK100A-GSK10-165	215	GSK10	1.75-10.0	27.5	29	32	
HSK100A-GSK16-155	155	GSK16	2.75-16.0	40	41.9	41.9	
HSK100A-GSK16-185	185	GSK16	2.75-16.0	40	41.9	41.9	
HSK100A-GSK16-215	215	GSK16	2.75-16.0	40	41.9	50	
HSK100A-GSK16-245	245	GSK16	2.75-16.0	40	41.9	52	

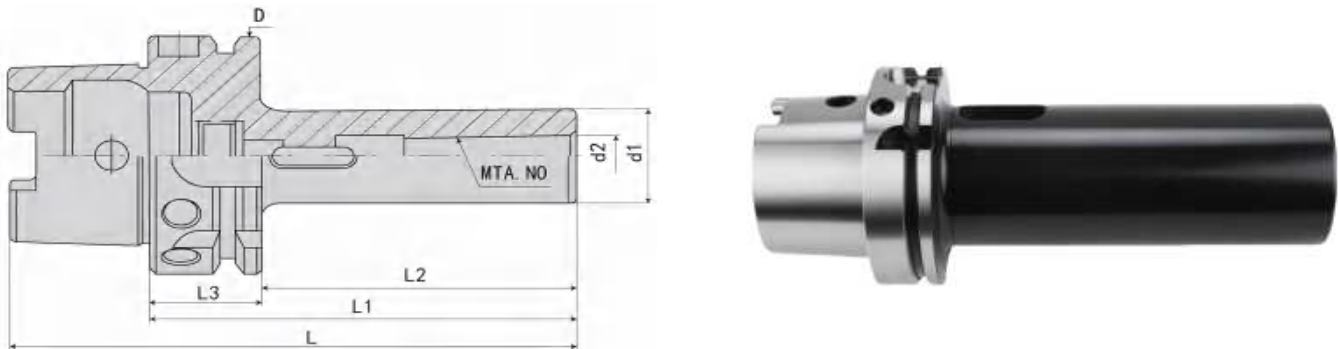
HSK FMA/FMB Face
Mill Cutter Holder



Model No.	L	L1	L2	L3	d	D	K	W	Price
HSK63A-FMA25.4-50	102	50	24	20	25.4	50	4.52	9.52	
HSK63A-FMA25.4-100	152	100	74	20	25.4	50	4.52	9.52	
HSK63A-FMA31.75-60	114	60	34	22	31.75	60	6.7	12.7	
HSK63A-FMA31.75-100	154	100	74	22	31.75	60	6.7	12.7	
HSK63A-FMA38.1-60	117	60	34	25	38.1	75	8.87	15.87	
HSK100A-FMA25.4-60	130	60	31	20	25.4	50	4.52	9.52	
HSK100A-FMA25.4-100	170	100	71	20	25.4	50	4.52	9.52	
HSK100A-FMA31.75-60	132	60	31	22	31.75	60	5.8	12.7	
HSK100A-FMA31.75-100	172	100	71	22	31.75	60	5.8	12.7	
HSK100A-FMA38.1-60	135	60	31	25	38.1	80	8.3	15.87	

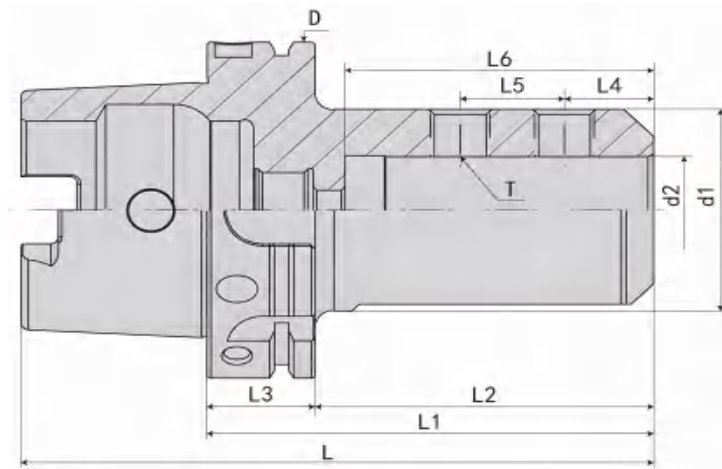
Model No.	l1	l2	l3	d2	d3	K1	K2	Price
HSK50A-FMB22-60	60	18	14	26	48	4.8	10	
HSK50A-FMB27-60	60	20	16	31.5	60	5.8	12	
HSK63A-FMB22-100	100	18	14	26	48	4.8	10	
HSK63A-FMB22-150	150	18	14	26	48	4.8	10	
HSK63A-FMB22-200	200	18	14	26	48	4.8	10	
HSK63A-FMB32-100	100	22	20.5	26	60	5.8	12	
HSK63A-FMB40-100	100	25	20.5	31.5	78	6.8	14	
HSK100A-FMB22-100	100	18	14	26	48	4.8	10	
HSK100A-FMB22-150	150	18	14	26	48	4.8	10	
HSK100A-FMB22-200	200	18	14	26	48	4.8	10	
HSK100A-FMB27-100	100	20	16	41	60	5.8	12	
HSK100A-FMB32-100	100	22	16	48	78	6.8	14	
HSK100A-FMB40-100	100	25	20.5	68	89	8.3	16	

HSK MTA Morse Taper Holder



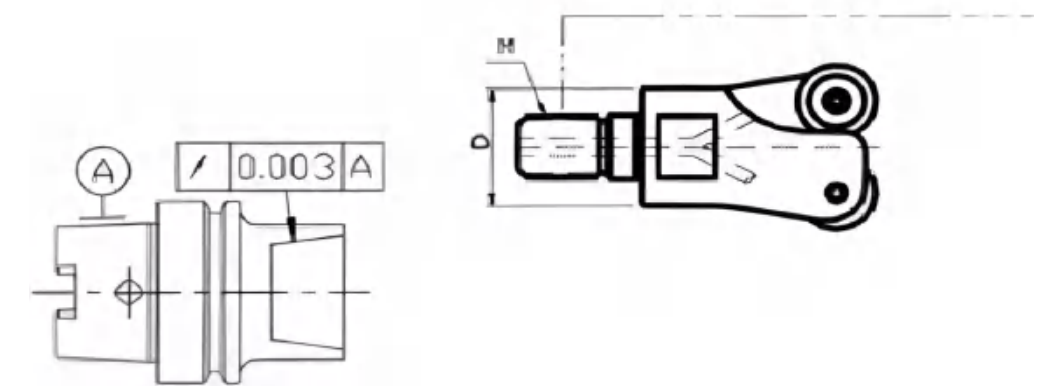
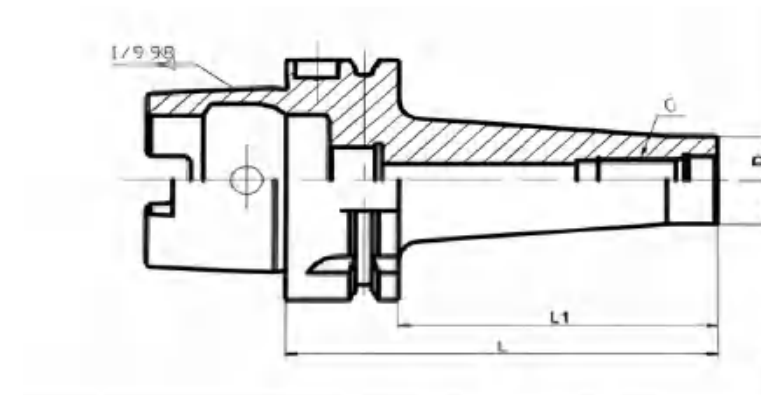
MODEL	L	L1	L2	L3	D	d1	d2	Clamping range	Price
HSK50A-MTA1-100	125	100	74	26	50	25	12.065	∅ 2-∅ 14	
HSK50A-MTA2-120	145	120	94	26	50	32	17.78	∅ 14-∅ 23	
HSK50A-MTA3-140	165	140	114	26	50	40	23.825	∅ 23-∅ 32	
HSK63A-MTA1-100	132	100	74	26	63	25	12.065	∅ 2-∅ 14	
HSK63A-MTA2-120	152	120	94	26	63	32	17.78	∅ 14-∅ 23	
HSK63A-MTA3-140	172	140	114	26	63	40	23.825	∅ 23-∅ 32	
HSK63A-MTA4-160	192	160	134	26	63	48	31.267	∅ 32-∅ 50	
HSK80A-MTA1-100	140	100	74	26	80	25	12.065	∅ 2-∅ 14	
HSK80A-MTA2-120	160	120	94	26	80	32	17.78	∅ 14-∅ 23	
HSK80A-MTA3-140	180	140	114	26	80	40	23.825	∅ 23-∅ 32	
HSK80A-MTA4-160	200	160	134	26	80	48	31.267	∅ 32-∅ 50	
HSK100A-MTA1-110	160	110	81	29	100	25	12.065	∅ 2—∅ 14	
HSK100A-MTA2-120	170	120	91	29	100	32	17.78	∅ 14-∅ 23	
HSK100A-MTA3-150	200	150	121	29	100	40	23.825	∅ 23-∅ 32	
HSK100A-MTA4-170	220	170	141	29	100	48	31.267	∅ 32-∅ 50	
HSK100A-MTA5-200	250	200	171	29	100	63	44.399	∅ 50-∅ 75	

HSK-SLN Side Lock End Mill Holder



Model No.	L	l1	l2	l3	D	d2	T	Price
HSK50A-SLA6-65	90	65	39	18	50	25	M6X1.0P	
HSK50A-SLA8-65	90	65	39	18	50	28	M8X1.25P	
HSK50A-SLA10-65	90	65	39	20	50	35	M10X1.5P	
HSK50A-SLA12-80	105	80	54	22.5	50	42	M12X1.75P	
HSK50A-SLA14-80	105	80	54	22.5	50	44	M12X1.75P	
HSK50A-SLA16-80	105	80	54	22.5	50	48	M14X2.0P	
HSK50A-SLA18-80	105	80	54	22.5	50	50	M14X2.0P	
HSK50A-SLA20-80	105	80	54	22.5	50	52	M16X2.0P	
HSK63A-SLA12-100	132	100	74	22.5	63	42	M12X1.75P	
HSK63A-SLA14-100	132	100	74	22.5	63	44	M12X1.75P	
HSK63A-SLA16-100	132	100	74	22.5	63	48	M14X2.0P	
HSK63A-SLA18-100	132	100	74	22.5	63	50	M14X2.0P	
HSK63A-SLA20-100	132	100	74	22.5	63	52	M16X3.0P	
HSK63A-SLA25-110	142	110	84	24	63	65	M18X2.0P	
HSK63A-SLA32-110	142	110	84	24	63	72	M20X2.0P	
HSK100A-SLA12-100	150	100	71	22.5	100	42	M12X1.75P	
HSK100A-SLA14-100	150	100	71	22.5	100	44	M12X1.75P	
HSK100A-SLA16-100	150	100	71	22.5	100	48	M14X2.0P	
HSK100A-SLA18-100	150	100	71	22.5	100	50	M14X2.0P	
HSK100A-SLA20-100	150	100	71	22.5	100	52	M16X2.0P	
HSK100A-SLA25-120	170	120	91	24	100	65	M18X2.0P	
HSK100A-SLA32-120	170	120	91	24	100	72	M20X2.0P	
HSK100A-SLA40-120	170	120	91	30	100	90	M20X2.0P	

HSK-EM Small Milling Head Holder

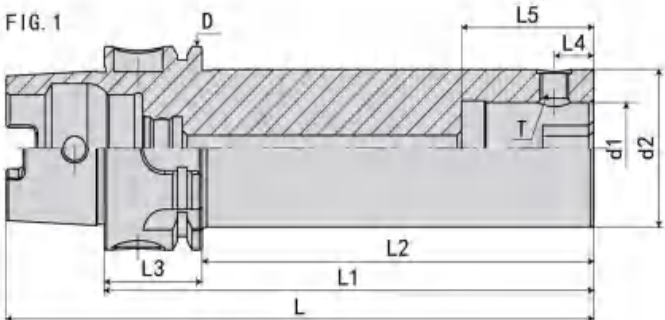
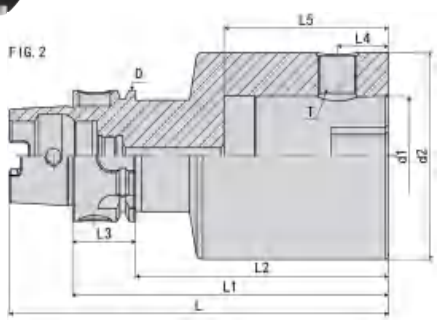


Model No.	L	L1	D	G	Price
HSK63A-EM08-100	100	74	13.8	M8	
HSK63A-EM08-150	150	124	13.8	M8	
HSK63A-EM10-100	100	74	18.5	M10	
HSK63A-EM10-150	150	124	18.5	M10	
HSK63A-EM12-100	100	74	23	M12	
HSK63A-EM12-150	150	124	23	M12	
HSK63A-EM16-100	100	74	30	M16	
HSK63A-EM16--150	150	124	30	M16	
HSK100A-EM08-100	100	71	13.8	M8	
HSK100A-EM08-150	150	121	13.8	M8	
HSK100A-EM10-100	100	71	18.5	M10	
HSK100A-EM10-150	150	121	18.5	M10	
HSK100A-EM12-100	100	71	23	M12	
HSK100A-EM12-150	150	121	23	M12	
HSK100A-EM16-100	100	71	30	M16	
HSK100A-EM16-150	150	121	30	M16	

CNC Milling chucks-HSK series



HSK-CK Boring Head Shank



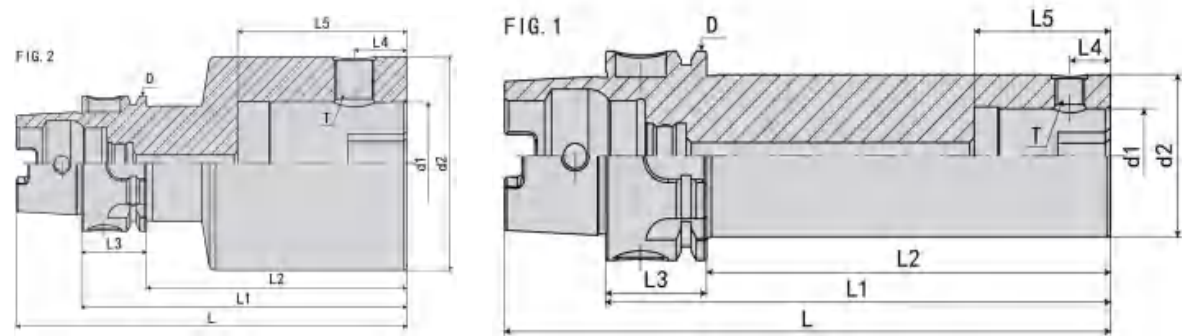
Model No.	L	L1	L2	L3	L4	L5	D	d1	d2	T	Price
HSK40A-CK1-50	70	50	30	20	5.05	30	40	11	19	M4*0.5P	
HSK40A-CK1-100	120	100	80	20	5.05	30	40	11	19	M4*0.5P	
HSK40A-CK2-60	80	60	40	20	6.62	31	40	14	24	M5*0.5P	
HSK40A-CK2-100	120	100	80	20	6.62	31	40	14	24	M5*0.5P	
HSK40A-CK3-60	80	60	40	20	8	35	40	18	31	M6*0.75P	
HSK40A-CK3-100	120	100	80	20	8	35	40	18	31	M6*0.75P	
HSK40A-CK4-70	90	70	50	20	10	39	40	22	39	M8*0.75P	
HSK40A-CK4-100	120	100	80	20	10	39	40	22	39	M8*0.75P	
HSK40A-CK5-80	100	80	60	20	13	45	40	28	50	M10*1.0P	
HSK40A-CK5-100	120	100	80	20	13	45	40	28	50	M10*1.0P	
HSK40A-CK6-80	100	80	60	20	16	55	40	36	63	M12*1.0P	
HSK40A-CK6-100	120	100	80	20	16	55	40	36	63	M12*1.0P	
HSK50A-CK1-60	85	60	34	26	5.05	30	50	11	19	M4*0.5P	
HSK50A-CK1-100	125	100	74	26	5.05	30	50	11	19	M4*0.5P	
HSK50A-CK2-60	85	60	34	26	6.62	31	50	14	24	M5*0.5P	
HSK50A-CK21-100	125	100	74	26	6.62	31	50	14	24	M5*0.5P	
HSK50A-CK3-60	85	60	34	26	8	35	50	18	31	M6*0.75P	
HSK50A-CK3-100	125	100	74	26	8	35	50	18	31	M6*0.75P	
HSK50A-CK4-60	85	60	34	26	10	39	50	22	39	M8*0.75P	
HSK50A-CK4-100	125	100	74	26	10	39	50	22	39	M8*0.75P	
HSK50A-CK5-80	105	80	54	26	13	45	50	28	50	M10*1.0P	
HSK50A-CK5-115	140	115	89	26	13	45	50	28	50	M10*1.0P	
HSK50A-CK6-80	105	80	54	26	16	55	50	36	63	M12*1.0P	

CNC Milling chucks-HSK series

HSK-CK Boring Head Shank

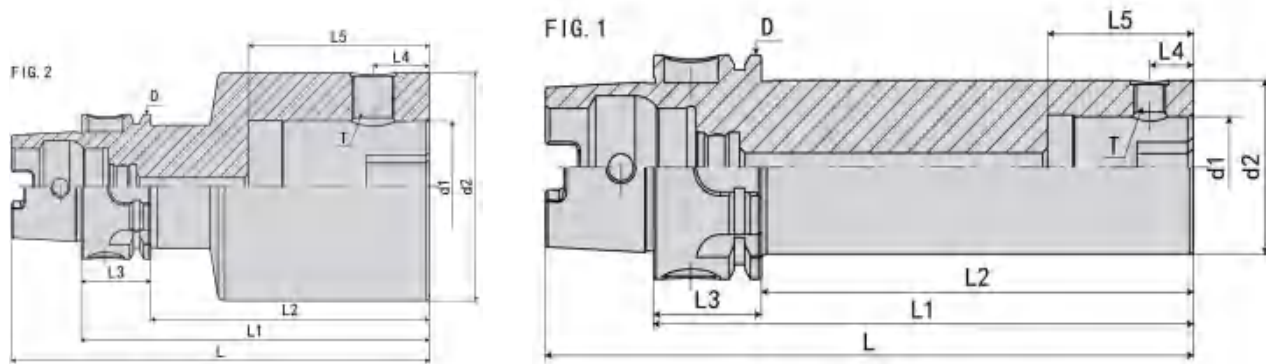
Model No.	L	L1	L2	L3	L4	L5	D	d1	d2	T	Price
HSK50A-CK6-115	140	115	89	26	16	55	50	36	63	M12*1.0P	
HSK63A-CK1-75	107	75	49	26	5.05	30	63	11	19	M4*0.5P	
HSK63A-CK1-105	137	105	79	26	5.05	30	63	11	19	M4*0.5P	
HSK63A-CK2-90	122	90	64	26	6.62	31	63	14	24	M5*0.5P	
HSK63A-CK2-120	152	120	94	26	6.62	31	63	14	24	M5*0.5P	
HSK63A-CK2-165	197	165	139	26	6.62	31	63	14	24	M5*0.5P	
HSK63A-CK3-100	132	100	74	26	8	35	63	18	31	M6*0.75P	
HSK63A-CK3-135	167	135	109	26	8	35	63	18	31	M6*0.75P	
HSK63A-CK3-165	197	165	139	26	8	35	63	18	31	M6*0.75P	
HSK63A-CK3-205	237	205	179	26	8	35	63	18	31	M6*0.75P	
HSK63A-CK4-90	122	90	64	26	10	39	63	22	39	M8*0.75P	
HSK63A-CK4-130	162	130	104	26	10	39	63	22	39	M8*0.75P	
HSK63A-CK4-170	202	170	144	26	10	39	63	22	39	M8*0.75P	
HSK63A-CK4-205	237	205	179	26	10	39	63	22	39	M8*0.75P	
HSK63A-CK4-245	277	245	219	26	10	39	63	22	39	M8*0.75P	
HSK63A-CK5-80	112	80	54	26	13	45	63	28	50	M10*1.0P	
HSK63A-CK5-135	167	135	109	26	13	45	63	28	50	M10*1.0P	
HSK63A-CK5-180	212	180	154	26	13	45	63	28	50	M10*1.0P	
HSK63A-CK5-215	247	215	189	26	13	45	63	28	50	M10*1.0P	
HSK63A-CK5-250	282	250	224	26	13	45	63	28	50	M10*1.0P	
HSK63A-CK6-80	112	80	54	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-115	147	115	89	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-150	182	150	124	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-180	212	180	154	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-215	247	215	189	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-250	282	250	224	26	16	55	63	36	63	M12*1.0P	
HSK63A-CK6-300	332	300	274	26	16	55	63	36	63	M12*1.0P	
HSK80A-CK1-100	140	100	74	26	5.05	30	80	11	19	M4*0.5P	
HSK80A-CK1-145	185	145	119	26	5.05	30	80	11	19	M4*0.5P	
HSK80A-CK2-80	120	80	54	26	6.62	31	80	14	24	M5*0.5P	
HSK80A-CK2-115	155	115	89	26	6.62	31	80	14	24	M5*0.5P	
HSK80A-CK3-90	130	90	64	26	8	35	80	18	31	M6*0.75P	

HSK-CK Boring Head Shank



Model No.	L	L1	L2	L3	L4	L5	D	d1	d2	T	Price
HSK80A-CK3-125	165	125	99	26	8	35	80	18	31	M6*0.75P	
HSK80A-CK4-110	150	110	84	26	10	39	80	22	39	M8*0.75P	
HSK80A-CK4-145	185	145	119	26	10	39	80	22	39	M8*0.75P	
HSK80A-CK5-110	150	110	84	26	13	45	80	28	50	M10*1.0P	
HSK80A-CK5-145	185	145	119	26	13	45	80	28	50	M10*1.0P	
HSK80A-CK6-110	150	110	84	26	16	55	80	36	63	M12*1.0P	
HSK80A-CK6-145	185	145	119	26	16	55	80	36	63	M12*1.0P	
HSK100A-CK1-100	150	100	71	29	5.05	30	100	11	19	M4*0.5P	
HSK100A-CK1-145	195	145	116	29	5.05	30	100	11	19	M4*0.5P	
HSK100A-CK2-80	130	80	51	29	6.62	31	100	14	24	M5*0.5P	
HSK100A-CK2-115	165	115	86	29	6.62	31	100	14	24	M5*0.5P	
HSK100A-CK2-165	215	165	136	29	6.62	31	100	14	24	M5*0.5P	
HSK100A-CK2-205	255	205	196	29	6.62	31	100	14	24	M5*0.5P	
HSK100A-CK3-90	140	90	61	29	8	35	100	18	31	M6*0.75P	
HSK100A-CK3-125	175	125	96	29	8	35	100	18	31	M6*0.75P	
HSK100A-CK3-165	215	165	136	29	8	35	100	18	31	M6*0.75P	
HSK100A-CK3-205	255	205	176	29	8	35	100	18	31	M6*0.75P	
HSK100A-CK4-120	170	120	91	29	10	39	100	22	39	M8*0.75P	
HSK100A-CK4-155	205	155	126	29	10	39	100	22	39	M8*0.75P	
HSK100A-CK4-180	230	180	151	29	10	39	100	22	39	M8*0.75P	

HSK-CK Boring Head Shank

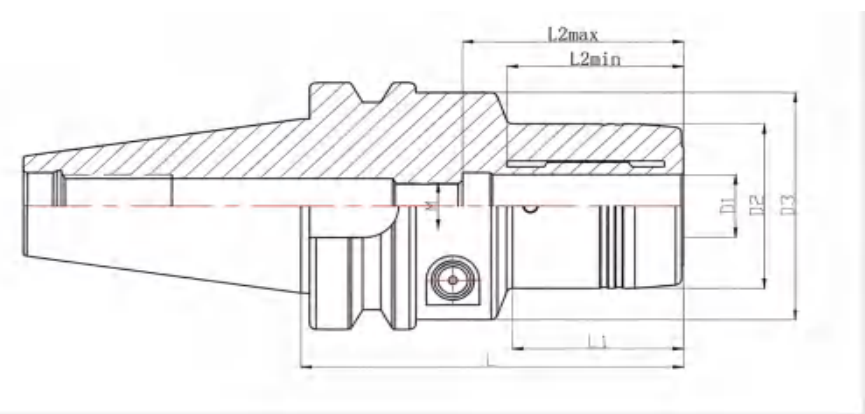


Model No.	L	L1	L2	L3	L4	L5	D	d1	d2	T	Price
HSK100A-CK4-215	265	215	186	29	10	39	100	22	39	M8*0.75P	
HSK100A-CK4-250	300	250	221	29	10	39	100	22	39	M8*0.75P	
HSK100A-CK4-300	350	300	271	29	10	39	100	22	39	M8*0.75P	
HSK100A-CK5-110	160	110	81	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK5-145	195	145	116	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK5-180	230	180	151	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK5-230	280	230	201	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK5-270	320	270	241	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK5-300	350	300	271	29	13	45	100	28	50	M10*1.0P	
HSK100A-CK6-110	160	110	81	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-145	195	145	116	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-170	220	170	141	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-230	280	230	201	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-270	320	270	241	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-300	350	300	271	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-350	400	350	321	29	16	55	100	36	63	M12*1.0P	
HSK100A-CK6-400	450	400	371	29	16	55	100	36	63	M12*1.0P	

CNC Milling chucks-BT series



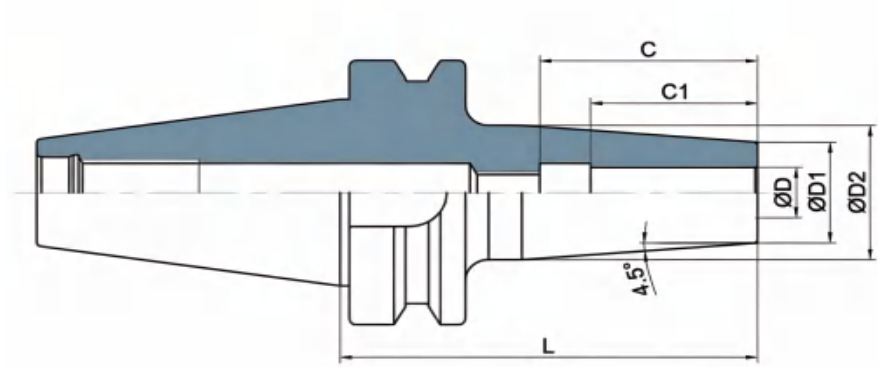
BT High Precision Hydraulic Tool Holder



Model No.	D1	D2	D3	L	L1	L2min	L2max	M	Price
BT30-HDC03-60L	3	21	45	60	29	23	84	—	
BT30-HDC04-60L	4	21	45	60	29	23	84	—	
BT30-HDC06-75L	6	30	46	75	24	28	50	M5	
BT30-HDC08-75L	8	32	46	75	24	28	50	M6	
BT30-HDC10-75L	10	34	46	75	24	34	50	M8	
BT30-HDC12-75L	12	36	46	75	25	36	50	M8	
BT30-HDC14-90L	14	38	46	90	40	41	52	M8	
BT30-HDC16-90L	16	40	46	90	33	41	52	M8	
BT30-HDC18-90L	18	42	46	90	41	41	52	M8	
BT30-HDC20-90L	20	46	46	90	—	41	52	M8	
BT40-HDC04-90L	4	28	46	90	38	24	42	—	
BT40-HDC06-90L	6	30	46	90	38	28	44	M5	
BT40-HDC08-90L	8	32	48	90	38	28	44	M6	
BT40-HDC10-90L	10	36	52	90	40	37	51	M8	
BT40-HDC12-90L	12	38	54	90	40	37	51	M8	
BT40-HDC14-90L	14	40	56	90	40	41	52	M12	
BT40-HDC16-90L	16	42	58	90	40	41	52	M12	
BT40-HDC18-90L	18	43	59	90	40	41	52	M12	
BT40-HDC20-90L	20	46	60	90	40	41	53	M12	
BT40-HDC25-105L	25	52	62	105	55	49	65	M12	
BT40-HDC32-105L	32	63	—	105	—	52	65	M12	
BT50-HDC06-105L	6	30	46	105	38	28	44	M5	
BT50-HDC08-105L	8	32	48	105	38	28	44	M6	
BT50-HDC10-105L	10	36	52	105	40	37	51	M8	
BT50-HDC12-105L	12	38	54	105	40	37	51	M8	
BT50-HDC14-105L	14	40	56	105	40	41	52	M12	
BT50-HDC16-105L	16	42	58	105	40	41	52	M12	
BT50-HDC18-105L	18	43	59	105	39	40	51	M12	
BT50-HDC20-105L	20	46	60	105	40	41	53	M12	
BT50-HDC25-120L	25	52	62	120	55	49	65	M12	
BT50-HDC32-120L	32	63	72	120	56	52	65	M12	

CNC Milling chucks-BT series

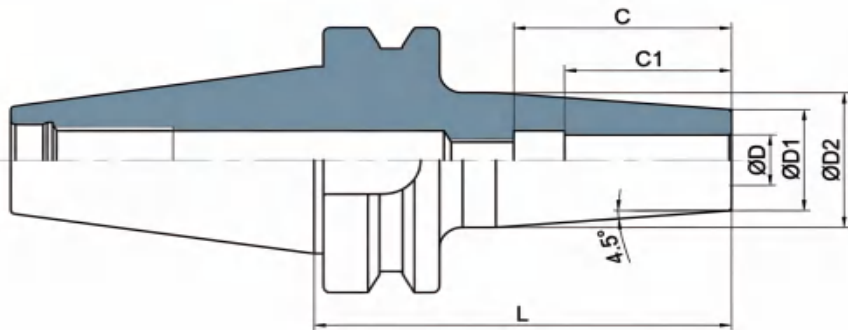
BT Shrink Fit Chuck



Model No.	D	D1	D	L	insection Length C1	insection Length C	Price
BT30-SFA04-80	4	15	20	80	14	—	
BT30-SFA06-80	6	21	27	80	25	36	
BT30-SFA08-80	8	21	27	80	25	36	
BT30-SFA10-80	10	24	32	80	31	42	
BT30-SFA12-80	12	24	32	80	36	47	
BT30-SFA16-80	16	27	34	80	39	50	
BT40-SFA04-90	4	15	20	90	14	—	
BT40-SFA06-90	6	21	27	90	25	36	
BT40-SFA06-120	6	21	27	120	25	36	
BT40-SFA06-160	6	21	27	160	25	36	
BT40-SFA08-90	8	21	27	90	25	36	
BT40-SFA08-120	8	21	27	120	25	36	
BT40-SFA08-160	8	21	27	160	25	36	
BT40-SFA10-90	10	24	32	90	31	42	
BT40-SFA10-120	10	24	32	120	31	42	
BT40-SFA10-160	10	24	32	160	31	42	
BT40-SFA12-90	12	24	32	90	36	47	
BT40-SFA12-120	12	24	32	120	36	47	
BT40-SFA12-160	12	24	32	160	36	47	
BT40-SFA14-90	14	27	34	90	36	47	
BT40-SFA16-90	16	27	34	90	39	50	
BT40-SFA16-120	16	27	34	120	39	50	
BT40-SFA16-160	16	27	34	160	39	50	
BT40-SFA18-90	18	33	42	90	39	50	
BT40-SFA20-90	20	33	42	90	41	52	
BT40-SFA20-120	20	33	42	120	41	52	
BT40-SFA20-160	20	33	42	160	41	52	
BT40-SFA25-100	25	44	53	100	47	58	
BT40-SFA25-160	25	44	53	160	47	58	

CNC Milling chucks-BT series

BT Shrink Fit Chuck

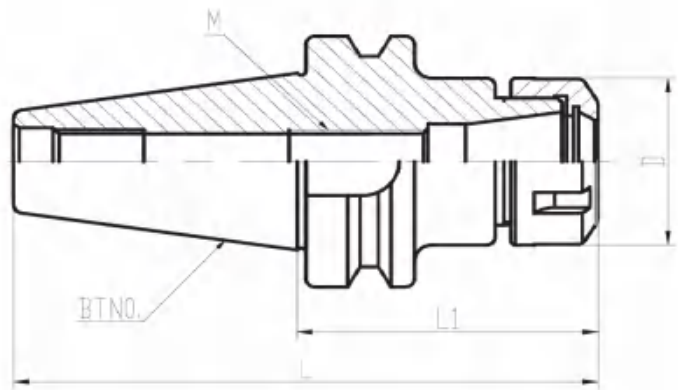


Model No.	D	D1	D	L	insection Length C1	insection Length C	Price
BT40-SFA32-100	32	44	53	100	47	58	
BT40-SFA32-160	32	44	53	160	47	58	
BT50-SFA04-90	4	15	20	90	14	—	
BT50-SFA06-90	6	21	27	90	25	36	
BT50-SFA06-120	6	21	27	120	25	36	
BT50-SFA06-160	6	21	27	160	25	36	
BT50-SFA08-90	8	21	27	90	25	36	
BT50-SFA08-120	8	21	27	120	25	36	
BT50-SFA08-160	8	21	27	160	25	36	
BT50-SFA10-90	10	24	32	90	31	42	
BT50-SFA10-120	10	24	32	120	31	42	
BT50-SFA10-160	10	24	32	160	31	42	
BT50-SFA12-90	12	24	32	90	36	47	
BT50-SFA12-120	12	24	32	120	36	47	
BT50-SFA12-160	12	24	32	160	36	47	
BT50-SFA14-90	14	27	34	90	36	47	
BT50-SFA16-90	16	27	34	90	39	50	
BT50-SFA16-120	16	27	34	120	39	50	
BT50-SFA16-160	16	27	34	160	39	50	
BT50-SFA18-90	18	33	42	90	39	50	
BT50-SFA20-90	20	33	42	90	41	52	
BT50-SFA20-120	20	33	42	120	41	52	
BT50-SFA20-160	20	33	42	160	41	52	
BT50-SFA25-100	25	44	53	100	47	58	
BT50-SFA25-160	25	44	53	160	47	58	
BT50-SFA32-100	32	44	53	100	47	58	
BT50-SFA32-160	32	44	53	160	47	58	

CNC Milling chucks-BT series

BT-ER Tool Holder

JIS B6339/DIN6499



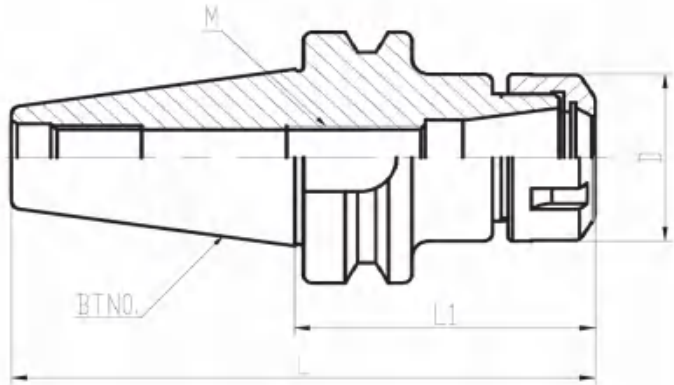
Model No.	Clamping range	L	L1	D	M	Price
BT30-ER11-70	1-7	108.4	60	19	M8x1	
BT30-ER11-100	1-7	148.4	100	19	M8x1	
BT30-ER16-70	1-10	108.4	60	28	M11x1	
BT30-ER16-100	1-10	148.4	100	28	M11x1	
BT30-ER20-70	2-13	108.4	60	34	M14x1	
BT30-ER20-100	2-13	148.4	100	34	M14x1	
BT30-ER25-70	2-16	108.4	60	42	M18x1.5	
BT30-ER25-100	2-16	148.4	100	42	M18x1.5	
BT30-ER32-70	3-20	108.4	60	50	M22x1.5	
BT30-ER32-100	3-20	148.4	100	50	M22x1.5	
BT40-ER11-70	1-7	135.4	70	19	M8x1	
BT40-ER11-100	1-7	165.4	100	19	M8x1	
BT40-ER16-70	1-10	135.4	70	28	M11x1	
BT40-ER16-100	1-10	165.4	100	28	M11x1	
BT40-ER16-150	1-10	215.4	150	28	M11x1	
BT40-ER20-70	2-13	135.4	70	34	M14x1	
BT40-ER20-100	2-13	165.4	100	34	M14x1	
BT40-ER20-150	2-13	215.4	150	34	M14x1	
BT40-ER25-70	2-16	135.4	70	42	M18x1.5	
BT40-ER25-100	2-16	165.4	100	42	M18x1.5	
BT40-ER25-150	2-16	215.4	150	42	M18x1.5	
BT40-ER32-70	3-20	135.4	70	50	M22x1.5	
BT40-ER32-100	3-20	165.4	100	50	M22x1.5	

CNC Milling chucks-BT series

BT-ER Tool Holder



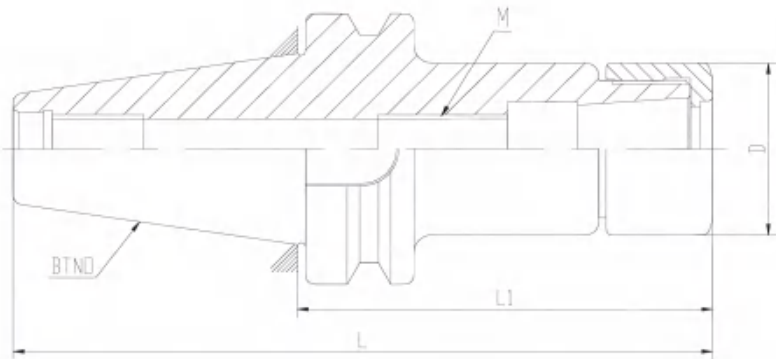
JIS B6339/DIN6499



Model No.	Clamping range	L	L1	D	M	Price
BT40-ER32-150	3-20	215.4	150	50	M22x1.5	
BT40-ER40-80	3-26	145.4	70	63	M28x1.5	
BT40-ER40-100	3-26	165.4	100	63	M28x1.5	
BT40-ER40-150	3-26	215.4	150	63	M28x1.5	
BT50-ER16-70	1-10	171.8	70	28	M11x1.0	
BT50-ER16-100	1-10	201.8	100	28	M11x1.0	
BT50-ER16-150	1-10	251.8	150	28	M11x1.0	
BT50-ER20-70	2-13	171.8	70	34	M18x1.5	
BT50-ER20-100	2-13	201.8	100	34	M18x1.5	
BT50-ER20-150	2-13	251.8	150	34	M18x1.5	
BT50-ER25-70	2-16	171.8	70	42	M18x1.5	
BT50-ER25-100	2-16	201.8	100	42	M18x1.5	
BT50-ER25-150	2-16	251.8	150	42	M18x1.5	
BT50-ER32-70	3-20	171.8	70	50	M22x1.5	
BT50-ER32-100	3-20	201.8	100	50	M22x1.5	
BT50-ER32-150	3-20	251.8	150	50	M22x1.5	
BT50-ER40-80	3-26	171.8	80	63	M28x1.5	
BT50-ER40-100	3-26	201.8	100	63	M28x1.5	
BT50-ER40-150	3-26	251.8	150	63	M28x1.5	
BT50-ER40-200	3-26	301.8	200	63	M28x1.5	

CNC Milling chucks-BT series

BT-GSK Tool Holder

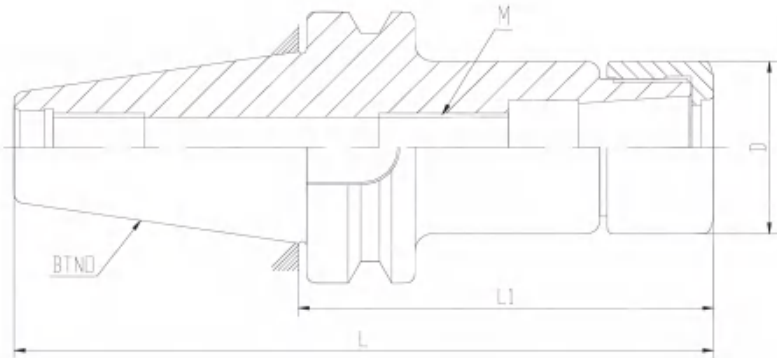


Model No.	Clamping Capacity	L	L1	D	M	Price
BT30-GSK06-60	1-6	108.4	60	19.5	M8x1	
BT30-GSK06-90	1-6	138.4	90	19.5	M8x1	
BT30-GSK06-120	1-6	168.4	120	19.5	M8x1	
BT30-GSK06-150	1-6	198.4	150	19.5	M8x1	
BT30-GSK10-60	1-10	108.4	60	27	M11x1	
BT30-GSK10-90	1-10	138.4	90	27	M11x1	
BT30-GSK13-60	1-13	108.4	60	35	M14x1	
BT30-GSK13-90	1-13	138.4	90	35	M14x1	
BT30-GSK16-60	1-16	108.4	60	40	M18x1.5	
BT30-GSK16-90	1-16	128.4	90	40	M18x1.5	
BT30-GSK16-120	1-16	15.4	120	40	M18x1.5	
BT30-GSK20-60	1-20	108.4	60	48	M22x1.5	
BT30-GSK20-90	1-20	128.4	90	48	M22x1.5	
BT30-GSK25-75	1-25	128.4	80	55	M28x1.5	
BT40-GSK06-60	1-6	125.4	60	19.5	M8x1	
BT40-GSK06-90	1-6	155.4	90	19.5	M8x1	
BT40-GSK10-60	1-10	125.4	60	27	M11x1	
BT40-GSK10-90	1-10	155.4	90	27	M11x1	
BT40-GSK10-120	1-10	185.4	120	27	M11x1	
BT40-GSK10-150	1-10	215.4	150	27	M11x1	
BT40-GSK13-60	1-13	125.4	60	35	M14x1	
BT40-GSK13-90	1-13	155.4	90	35	M14x1	

CNC Milling chucks-BT series



BT-GSK Tool Holder



Model No.	Clamping Capacity	L	L1	D	M	Price
BT40-GSK16-60	1-16	125.4	55	40	M18x1.5	
BT40-GSK16-90	1-16	155.4	80	40	M18x1.5	
BT40-GSK16-120	1-16	185.4	100	40	M18x1.5	
BT40-GSK16-150	1-16	215.4	150	40	M18x1.5	
BT40-GSK20-60	1-20	125.4	60	48	M22x1.5	
BT40-GSK20-90	1-20	155.4	90	48	M22x1.5	
BT40-GSK20-120	1-20	185.4	120	48	M22x1.5	
BT40-GSK20-150	1-20	215.4	150	48	M22x1.5	
BT40-GSK25-75	1-25	140.4	75	55	M28x1.5	
BT40-GSK25-90	1-25	155.4	90	55	M28x1.5	
BT40-GSK25-150	1-25	215.4	150	55	M28x1.5	
BT50-GSK10-105	1-10	206.8	105	27	M11x1	
BT50-GSK10-135	1-10	236.8	135	27	M11x1	
BT50-GSK10-165	1-10	266.8	165	27	M11x1	
BT50-GSK16-105	1-16	206.8	105	40	M18x1.5	
BT50-GSK16-135	1-16	236.8	135	40	M18x1.5	
BT50-GSK16-165	1-16	266.8	165	40	M18x1.5	
BT50-GSK20-105	1-20	206.8	105	48	M22x1.5	
BT50-GSK20-135	1-20	236.8	135	48	M22x1.5	
BT50-GSK20-165	1-20	266.8	165	48	M22x1.5	
BT50-GSK25-105	1-25	206.8	105	55	M28x1.5	
BT50-GSK25-135	1-25	236.8	135	55	M28x1.5	
BT50-GSK25-165	1-25	266.8	165	55	M28x1.5	

CNC Milling chucks-BT series

BT-DC Tool Holder

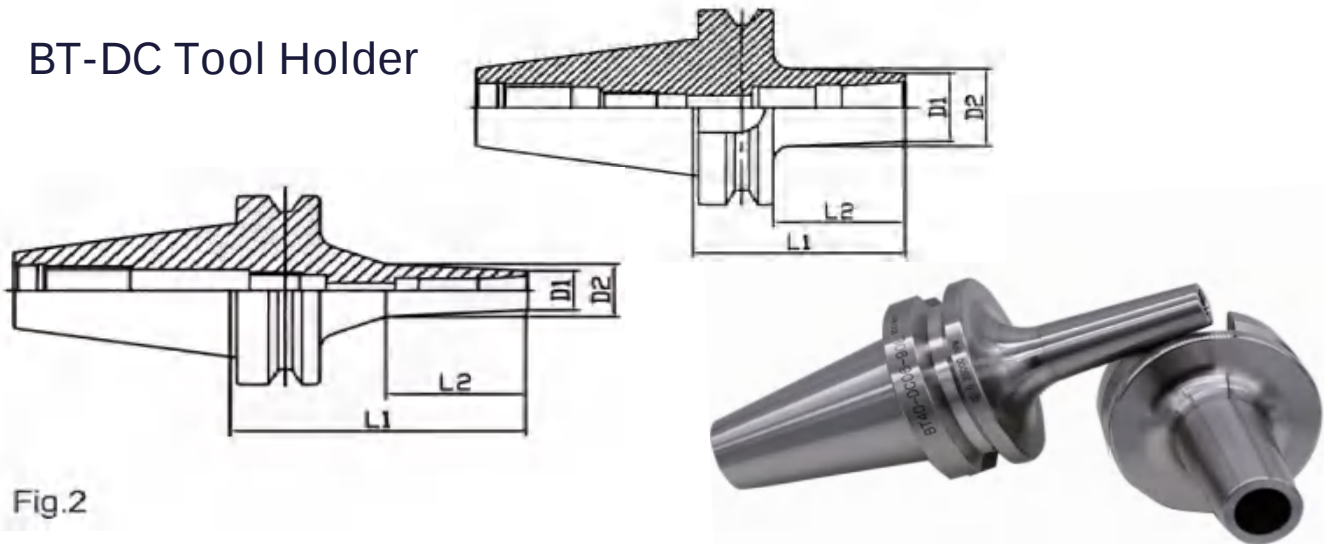
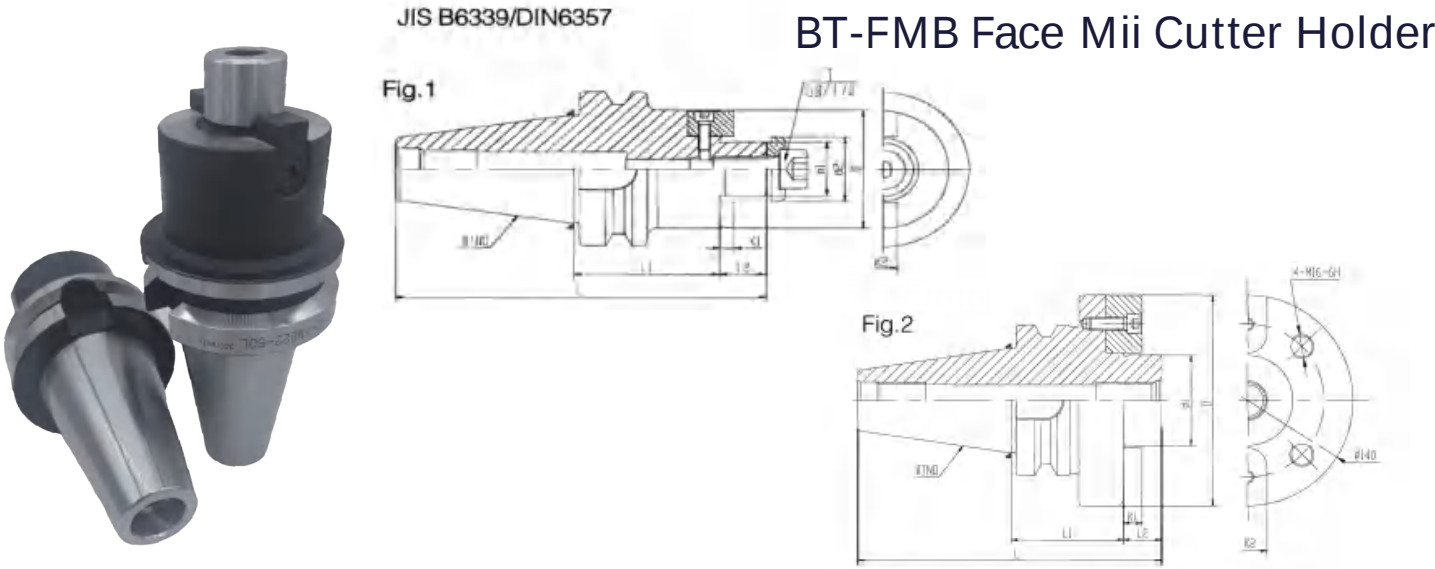


Fig.2

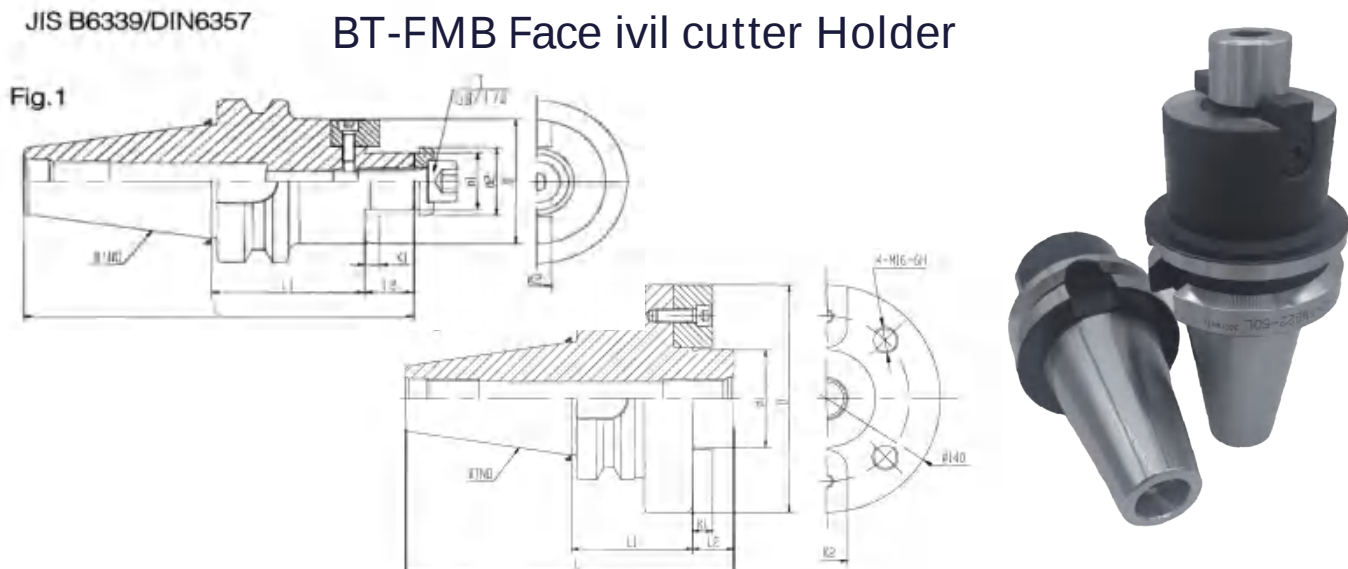
Model No.	Gripping Range	Collet	L1	L2	D1	D2	Fig.	Price
BT30XDC06-60	2-6	DC6	60	26	14	15.5	2	
BT30XDC06-90	2-6	DC6	90	50	14	18	2	
BT30XDC08-60	2-10	DC8	60	40	16	20.5	2	
BT30XDC08-90	2-10	DC8	90	60	16	23	2	
BT30XDC12-80	3-12	DC12	80	60	23	31	2	
BT30XDC12-110	3-12	DC12	110	90	23	35	2	
BT40XDC06-60	2-6	DC6	60	26	14	16	2	
BT40XDC06-90	2-6	DC6	90	42	14	17.4	2	
BT40XDC06-120	2-6	DC6	120	60	14	19.5	2	
BT40XDC06-150	2-6	DC6	150	76	14	21	2	
BT40XDC08-90	3-8	DC8	90	60	14	23	1	
BT40XDC08-120	3-8	DC8	120	80	14	25.5	1	
BT40XDC12-90	3-12	DC12	90	65	23	31	1	
BT40XDC12-120	3-12	DC12	120	95	23	38	1	
BT40XDC12-150	3-12	DC12	150	88	23	40	2	
BT40XDC16-95	5-16	DC16	95	70	28	35	1	
BT40XDC16-125	5-16	DC16	125	100	28	38	1	
BT50XDC12-100	3-12	DC12	100	65	23	31	1	
BT50XDC12-150	3-12	DC12	150	115	23	38.5	1	
BT50XDC16-100	5-16	DC16	100	65	28	34.5	1	
BT50XDC16-150	5-16	DC16	150	90	28	35.5	1	

CNC Milling chucks-BT series



Model No.	d1	d2	D	L	L1	L2	K1	K2	T	Type	Price
BT30-FMB22-45	22	26	45	109.9	45	16.5	4.8	10	M10x30	Fig.1	
BT30-FMB22-60	22	26	45	124.9	60	16.5	4.8	10	M10x30	Fig.1	
BT30-FMB27-45	27	33	54	111.9	45	18.5	5.8	12	M12x30	Fig.1	
BT30-FMB27-60	27	33	54	126.9	60	18.5	5.8	12	M12x30	Fig.1	
BT30-FMB32-60	32	41	58	130.4	60	22	6.8	14	M16x35	Fig.1	
BT40-FMB22-45	22	26	48	126.9	45	16.5	4.8	10	M10x30	Fig.1	
BT40-FMB22-60	22	26	48	141.9	60	16.5	4.8	10	M10x30	Fig.1	
BT40-FMB22-100	22	26	48	181.9	100	16.5	4.8	10	M10x30	Fig.1	
BT40-FMB22-150	22	26	48	231.9	150	16.5	4.8	10	M10x30	Fig.1	
BT40-FMB27-45	27	33	60	128.9	45	18.5	5.8	12	M12x30	Fig.1	
BT40-FMB27-60	27	33	60	143.9	60	18.5	5.8	12	M12x30	Fig.1	
BT40-FMB27-100	27	33	60	183.9	100	18.5	5.8	12	M12x30	Fig.1	
BT40-FMB27-150	27	33	60	233.9	150	18.5	5.8	12	M12x30	Fig.1	
BT40-FMB27-200	27	33	60	283.9	200	18.5	5.8	12	M12x30	Fig.1	
BT40-FMB32-60	32	41	62	147.4	60	22	6.8	14	M16x35	Fig.1	
BT40-FMB32-100	32	41	62	187.4	100	22	6.8	14	M16x35	Fig.1	
BT40-FMB32-150	32	41	62	237.4	150	22	6.8	14	M16x35	Fig.1	
BT40-FMB32-200	32	41	62	287.4	200	22	6.8	14	M16x35	Fig.1	
BT40-FMB40-60	40	48	80	150.4	60	25	8	16	M16x35	Fig.1	
BT40-FMB40-100	40	48	80	190.4	100	25	8	16	M16x35	Fig.1	

CNC Milling chucks-BT series

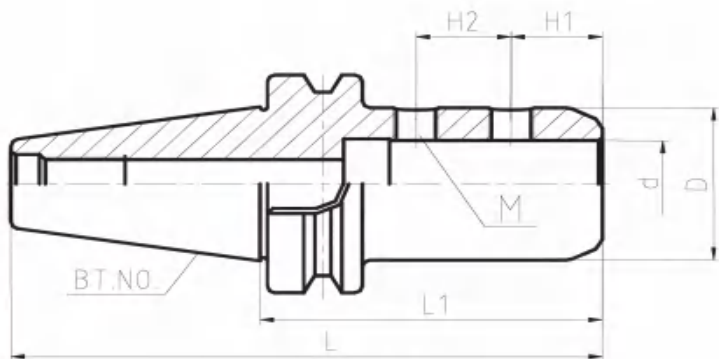


Model No.	d1	d2	D	L	L1	L2	K1	K2	T	Type	Price
BT40-FMB40-150	40	48	80	240.4	150	25	8	16	M16x35	Fig.1	
BT40-FMB40-200	40	48	80	290.4	200	25	8	16	M16x35	Fig.1	
BT50-FMB22-60	22	26	48	178.3	60	16.5	4.8	10	M10x30	Fig.1	
BT50-FMB22-100	22	26	48	218.3	100	16.5	4.8	10	M10x30	Fig.1	
BT50-FMB22-150	22	26	48	268.3	150	16.5	4.8	10	M10x30	Fig.1	
BT50-FMB22-200	22	26	48	318.3	200	16.5	4.8	10	M10x30	Fig.1	
BT50-FMB27-60	27	33	60	180.3	60	18.5	5.8	12	M12x30	Fig.1	
BT50-FMB27-100	27	33	60	220.3	100	18.5	5.8	12	M12x30	Fig.1	
BT50-FMB27-150	27	33	60	270.3	150	18.5	5.8	12	M12x30	Fig.1	
BT50-FMB27-200	27	33	60	320.3	200	18.5	5.8	12	M12x30	Fig.1	
BT50-FMB32-60	32	41	73	183.8	60	22	6.8	14	M16x35	Fig.1	
BT50-FMB32-100	32	41	73	223.8	100	22	6.8	14	M16x35	Fig.1	
BT50-FMB32-150	32	41	73	273.8	150	22	6.8	14	M16x35	Fig.1	
BT50-FMB32-200	32	41	73	323.8	200	22	6.8	14	M16x35	Fig.1	
BT50-FMB40-60	40	48	80	186.8	60	25	8	16	M16x35	Fig.1	
BT50-FMB40-100	40	48	80	226.8	100	25	8	16	M16x35	Fig.1	
BT50-FMB40-150	40	48	80	276.8	150	25	8	16	M16x35	Fig.1	
BT50-FMB40-200	40	48	80	326.8	200	25	8	16	M16x35	Fig.1	
BT50-FMB60-75	60	-	140	201.8	75	25	12.5	25.4	-	Fig.2	
BT50-FMB60-100	60	-	140	226.8	100	25	12.5	25.4	-	Fig.2	

CNC Milling chucks-BT series



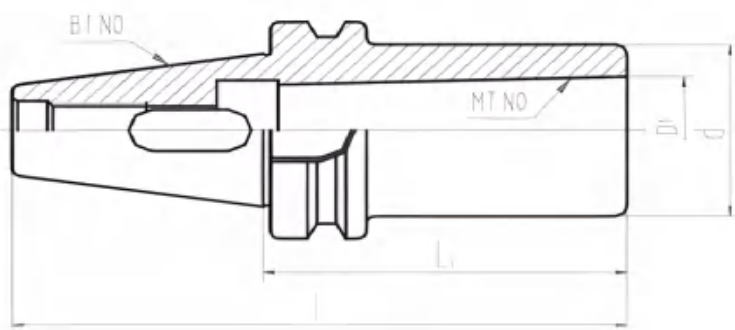
BT-SLA Sidelock Endmill Adapter



Model No.	L	L1	H1	H2	M	D	d	Price
BT30-SLA6-60	108.4	60	12	10	M6	25	6	
BT30-SLA8-60	108.4	60	14	12	M8	28	8	
BT30-SLA10-60	108.4	60	15	14	M10	35	10	
BT30-SLA12-60	108.4	60	20	16	M10	40	12	
BT30-SLA16-75	123.4	75	22	18	M10	45	16	
BT30-SLA20-75	123.4	75	25	20	M12	50	20	
BT30-SLA25-80	128.4	80	24	25	M12	55	25	
BT40-SLA6-75	140.4	75	12	10	M6	25	6	
BT40-SLA8-75	140.4	75	14	12	M8	28	8	
BT40-SLA10-75	140.4	75	15	14	M10	35	10	
BT40-SLA12-75	140.4	75	20	16	M10	40	12	
BT40-SLA16-75	140.4	75	22	18	M10	45	16	
BT40-SLA20-90	155.4	90	25	20	M12	50	20	
BT40-SLA25-90	155.4	90	24	25	M12	55	25	
BT40-SLA32-100	165.4	100	24	28	M16	60	32	
BT40-SLA40-115	180.4	115	30	32	M20	70	40	
BT50-SLA6-75	176.8	75	12	10	M6	25	6	
BT50-SLA8-75	176.8	75	14	12	M8	28	8	
BT50-SLA10-75	176.8	75	15	14	M10	35	10	
BT50-SLA12-90	191.8	90	20	16	M10	40	12	
BT50-SLA16-90	191.8	90	22	18	M10	45	16	
BT50-SLA20-90	191.8	90	25	20	M12	50	20	
BT50-SLA25-100	201.8	100	24	25	M12	55	25	
BT50-SLA32-105	206.8	105	24	28	M16	60	32	
BT50-SLA40-115	216.8	115	30	32	M20	70	40	
BT50-SLA42-120	221.8	120			M20	75	42	

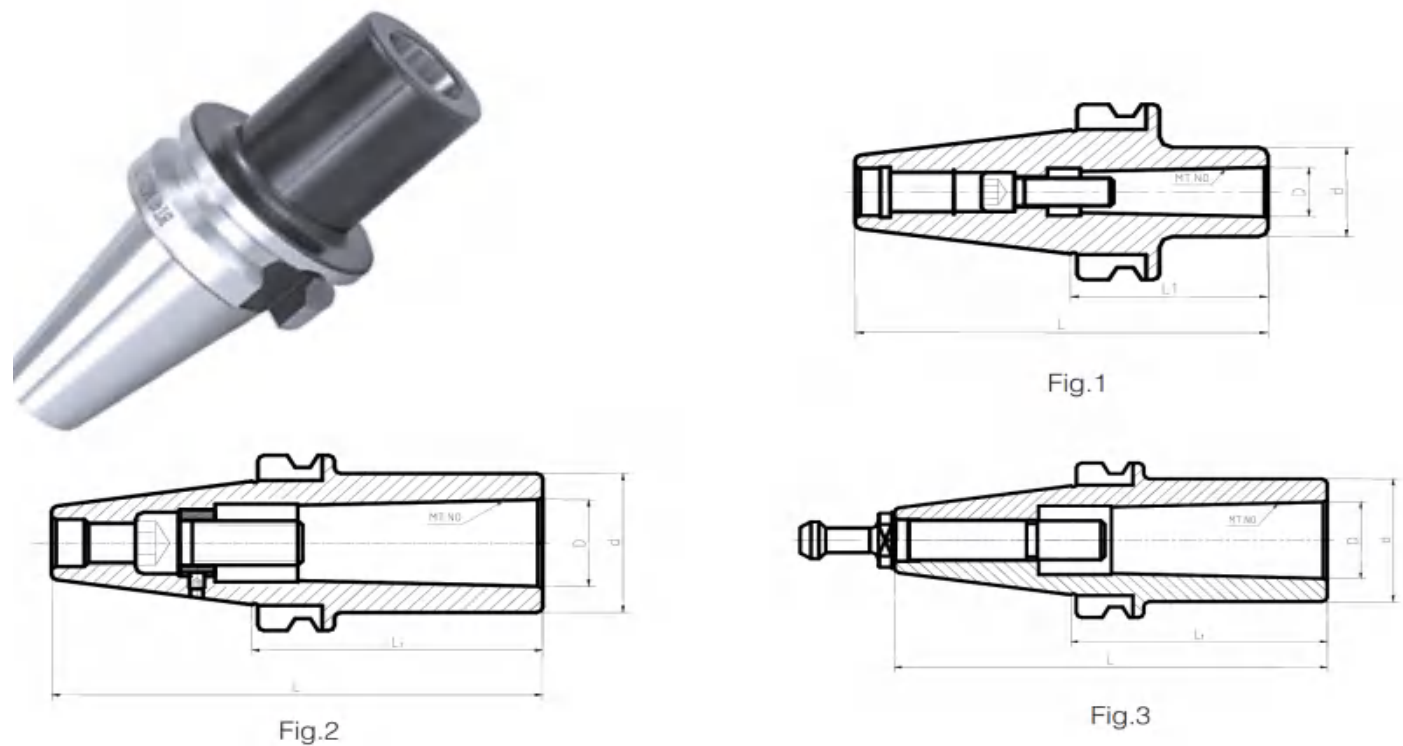
CNC Milling chucks-BT series

BT-MTA Sleeve



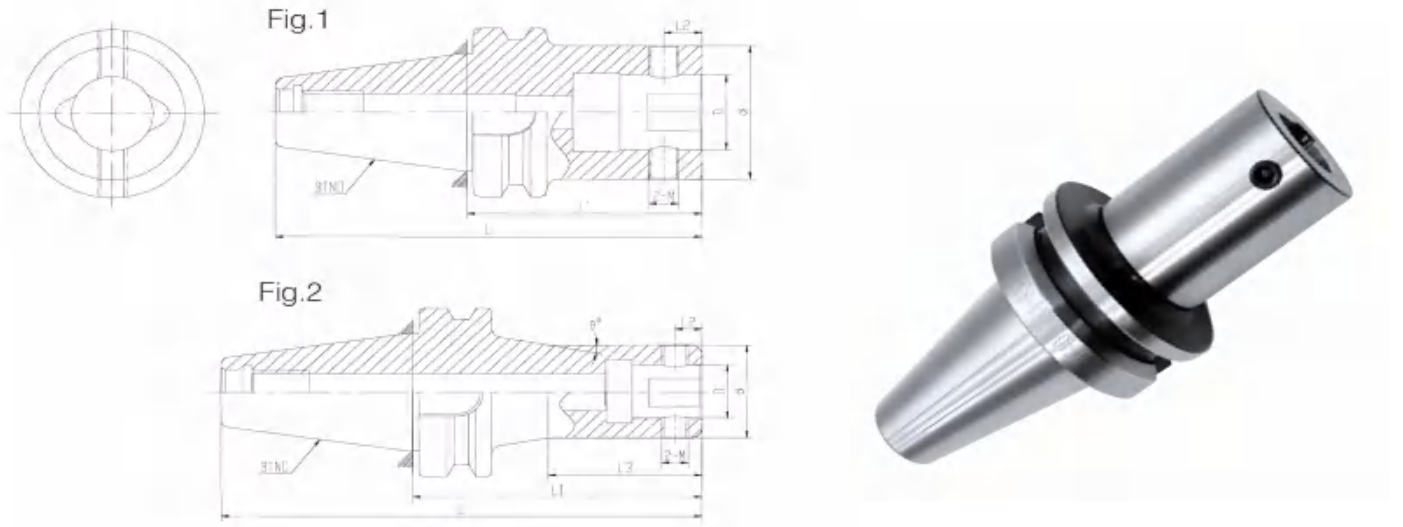
Model No.	L	L1	D1	D	Price
BT30-MTA1-45	93.4	45	12.065	25	
BT30-MTA2-60	108.4	60	17.78	32	
BT30-MTA3-80	128.4	80	23.825	40	
BT40-MTA1-45	110.4	45	12.065	25	
BT40-MTA1-120	185.4	120	12.065	25	
BT40-MTA2-45	125.4	60	17.78	32	
BT40-MTA2-120	185.4	120	17.78	32	
BT40-MTA3-75	140.4	75	23.825	40	
BT40-MTA3-135	200.4	135	23.825	40	
BT40-MTA4-90	160.4	95	31.267	48	
BT40-MTA4-165	230.4	165	31.267	48	
BT50-MTA1-45	146.8	45	12.065	25	
BT50-MTA1-120	221.8	120	12.065	25	
BT50-MTA2-45	161.8	60	17.78	32	
BT50-MTA2-135	236.8	135	17.78	32	
BT50-MTA3-75	176.8	75	23.825	40	
BT50-MTA3-150	251.8	150	23.825	40	
BT50-MTA4-90	191.8	90	31.267	48	
BT50-MTA4-180	281.8	180	31.267	48	
BT50-MTA5-105	211.8	110	44.399	63	
BT50-MTA5-210	311.8	210	44.399	63	

BT-SLA Sidelock Endmill Adapter



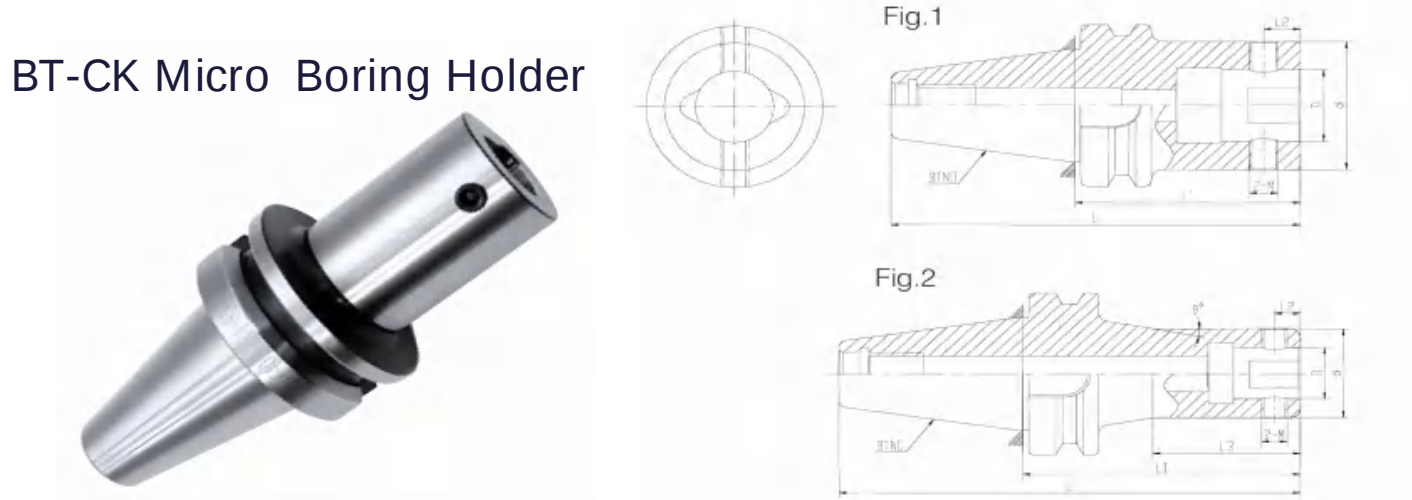
Model No.	L	L1	D	d	Type	Price
BT30-MTB1-45	93.4	45	12.065	25	Fig1	
BT30-MTB2-60	108.4	60	17.78	32	Fig2	
BT30-MTB3-80	128.4	80	23.825	40	Fig2	
BT40-MTB1-45	110.4	45	12.065	25	Fig1	
BT40-MTB2-50	115.4	50	17.78	32	Fig1	
BT40-MTB3-75	140.4	75	23.825	40	Fig1,3	
BT40-MTB4-90	155.4	90	31.267	48	Fig3	
BT40-MTB4-95	160.4	95	31.267	48	Fig2	
BT50-MTB1-45	146.8	45	12.065	25	Fig1	
BT50-MTB2-45	146.8	45	17.78	32	Fig1	
BT50-MTB3-60	161.8	75	23.825	40	Fig1	
BT50-MTB4-75	191.8	90	31.267	48	Fig1	
BT50-MTB5-120	221.8	120	44.399	63	Fig2	

BT-CK Micro Boring Holder



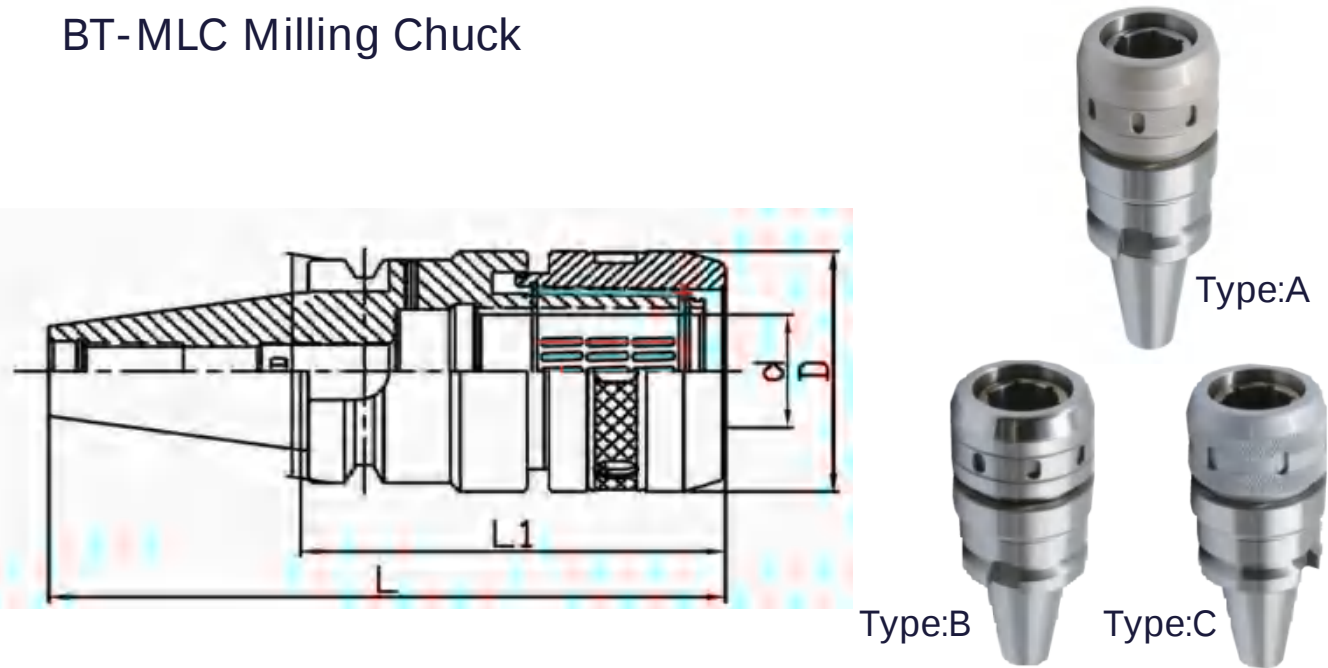
Model No.	Type	D	d	L	L1	L2	L3	M	e	Price
BT30-CK1-55	Fig.1	11	19	103.4	55	5.05	-	M5x0.5	-	
BT30-CK1-70	Fig.1	11	19	118.4	70	5.05	-	M5x0.5	-	
BT30-CK2-80	Fig.1	14	24	128.4	80	6.62	-	M5x0.5	-	
BT30-CK3-80	Fig.1	18	31	128.4	80	8	-	M6X0.75	-	
BT30-CK4-70	Fig.1	22	39	118.4	70	10	-	M8X0.75	-	
BT30-CK5-70	Fig.1	28	50	118.4	70	13	-	M10X1	-	
BT30-CK6-60	Fig.1	36	64	108.4	60	16	-	M12x1	-	
BT40-CK1-100	Fig.2	11	19	165.4	100	5.05	60	M5X0.5	10°	
BT40-CK1-130	Fig.2	11	19	195.4	130	5.05	60	M5X0.5	10°	
BT40-CK2-75	Fig.1	14	24	140.4	75	6.62	-	M5X0.5	-	
BT40-CK2-100	Fig.1	14	24	165.4	100	6.62	-	M5X0.5	-	
BT40-CK2-130	Fig.2	14	24	195.4	130	6.62	75	M5X0.5	10°	
BT40-CK2-160	Fig.2	14	24	125.4	160	6.62	75	M5X0.5	10°	
BT40-CK3-80	Fig.1	18	31	145.4	80	8	75	M6X0.75	-	
BT40-CK3-100	Fig.1	18	31	165.4	100	8	75	M6X0.75	10°	
BT40-CK3-135	Fig.2	18	31	200.4	135	8	85	M6X0.75	10°	
BT40-CK3-165	Fig.2	18	31	130.4	165	8	85	M6X0.75	10°	
BT40-CK4-70	Fig.1	22	39	135.4	70	10	-	M8X0.75	-	
BT40-CK4-100	Fig.1	22	39	165.4	100	10	-	M8X0.75	-	
BT40-CK4-150	Fig.2	22	39	215.4	150	10	95	M8X0.75	10°	
BT40-CK4-170	Fig.2	22	39	235.4	170	10	95	M8X0.75	10°	
BT40-CK5-60	Fig.1	28	50	125.4	60	13	-	M10X1	-	
BT40-CK5-80	Fig.1	28	50	145.4	80	13	-	M10X1	-	

BT-CK Micro Boring Holder



Model No.	Type	D	d	L	L1	L2	L3	M	e	Price
BT40-CK5-100	Fig.1	28	50	165.4	100	13	-	M10X1	-	
BT40-CK5-100	Fig.1	28	50	165.4	100	13	-	M10X1	-	
BT40-CK6-55	Fig.1	36	64	120.4	55	16	-	M12x1	-	
BT40-CK6-100	Fig.1	36	64	165.4	100	16	-	M12x1	-	
BT40-CK6-150	Fig.1	36	64	215.4	150	16	-	M12x1	-	
BT50-CK1-115	Fig.2	11	19	216.8	115	5.05	60	M5X0.5	10°	
BT50-CK1-145	Fig.2	11	19	146.8	145	5.05	60	M5X0.5	10°	
BT50-CK2-105	Fig.1	14	24	206.8	105	6.62	-	M5X0.5	-	
BT50-CK2-135	Fig.2	14	24	236.8	135	6.62	75	M5X0.5	10°	
BT50-CK2-165	Fig.2	14	24	266.8	165	6.62	75	M5X0.5	10°	
BT50-CK3-110	Fig.1	18	31	211.8	110	8	-	M6X0.75	10°	
BT50-CK3-140	Fig.2	18	31	241.8	140	8	85	M6X0.75	10°	
BT50-CK3-170	Fig.2	18	31	271.8	170	8	85	M6X0.75	10°	
BT50-CK4-100	Fig.1	22	39	201.8	100	10	-	M8X0.75	10°	
BT50-CK4-160	Fig.2	22	39	261.8	160	10	95	M8X0.75	10°	
BT50-CK4-205	Fig.2	22	39	306.8	205	10	95	M8X0.75	10°	
BT50-CK5-90	Fig.1	28	50	191.8	90	13	-	M10X1	-	
BT50-CK5-165	Fig.1	28	50	266.8	165	13	-	M10X1	-	
BT50-CK5-210	Fig.2	28	50	311.8	210	13	120	M10X1	10°	
BT50-CK5-270	Fig.2	28	50	371.8	270	13	120	M10X1	10°	
BT50-CK6-85	Fig.1	36	64	186.8	85	16	-	M12x1	-	
BT50-CK6-155	Fig.1	36	64	256.8	155	16	-	M12x1	-	
BT50-CK6-215	Fig.1	36	64	316.8	215	16	-	M12x1	-	
BT50-CK6-250	Fig.1	36	64	351.8	250	16	-	M12x1	-	
BT50-CK6-300	Fig.2	36	64	401.8	300	16	160	M12x1	10°	
BT50-CK6-350	Fig.2	36	64	451.8	350	16	160	M12x1	10°	

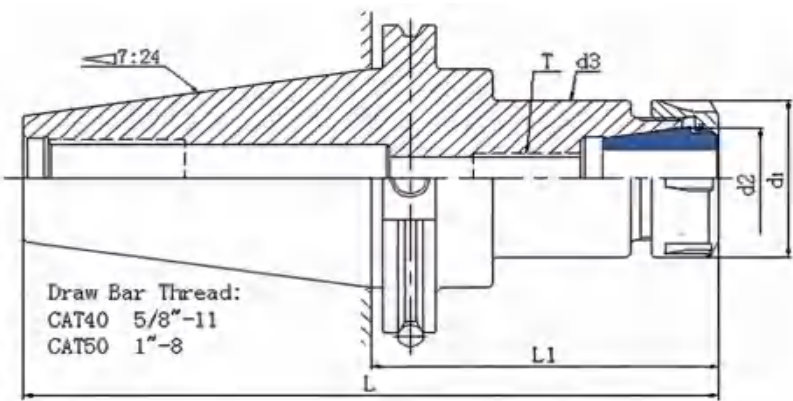
BT-MLC Milling Chuck



Model No.	L	L1	D	d1	d2	Price
BT30-MLC20-70	118.4	70	46	20	55	
BT30-MLC20-90	138.4	90	46	20	55	
BT40-MLC20-100	165.4	100	63	20	55	
BT40-MLC20-135	200.4	135	63	20	55	
BT40-MLC32-100	165.4	100	63	32	73	
BT40-MLC32-105	170.4	105	63	32	73	
BT40-MLC32-135	200.4	135	63	32	73	
BT50-MLC20-105	206.8	105	100	20	55	
BT50-MLC32-105	206.8	105	100	32	73	
BT50-MLC32-110	211.8	110	100	32	73	
BT50-MLC32-135	236.8	135	100	32	73	
BT50-MLC32-165	266.8	165	100	32	73	
BT50-MLC32-200	301.8	200	100	32	73	
BT50-MLC42-110	211.8	110	100	42	88	
BT50-MLC42-135	236.8	135	100	42	88	
BT50-MLC42-165	266.8	165	100	42	88	

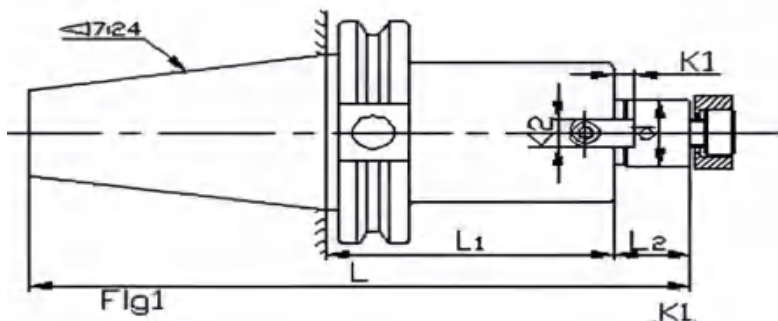


CAT-ER Collet Chuck



Model No.	L	L1	d1	d2	d3	T	Price
CAT40xER16-2.76"	5.447	2.76	1.102	0.63	1.75	M10x1.5P	
CAT40xER16-4"	6.687	4	1.102	0.63	1.75	M10x1.5P	
CAT40xER20-2.76"	5.447	2.76	1.339	0.788	1.75	M12x1.75P	
CAT40xER20-4"	6.687	4	1.339	0.788	1.75	M12x1.75P	
CAT40xER20-6"	8.687	6	1.339	0.788	1.75	M12x1.75P	
CAT40xER25-2.76"	5.447	2.76	1.654	0.984	1.75	M16x2.0P	
CAT40xER25-4"	6.687	4	1.654	0.984	1.75	M16x2.0P	
CAT40xER25-6"	8.687	6	1.654	0.984	1.75	M16x2.0P	
CAT40xER32-2.76"	5.447	2.76	1.969	1.26	1.75	M16x2.0P	
CAT40xER32-4"	6.687	4	1.969	1.26	1.75	M16x2.0P	
CAT40xER32-6"	8.687	6	1.969	1.26	1.75	M16x2.0P	
CAT40xER40-3.15"	5.837	3.15	2.48	1.575	1.75	M20x2.0P	
CAT40xER40-4"	6.687	4	2.48	1.575	1.75	M20x2.0P	
CAT40xER40-6"	8.687	6	2.48	1.575	1.75	M20x2.0P	
CAT50xER16-4"	8	4	1.102	0.63	2.75	M10x1.5P	
CAT50xER16-6"	10	6	1.102	0.63	2.75	M10x1.5P	
CAT50xER20-4"	8	4	1.339	0.788	2.75	M12x1.75P	
CAT50xER20-6"	10	6	1.339	0.788	2.75	M12x1.75P	
CAT50xER25-4 "	8	4	1.654	0.984	2.75	M16x2.0P	
CAT50xER25-6"	10	6	1.654	0.984	2.75	M16x2.0P	
CAT50ER32-4 "	8	4	1.969	1.26	2.75	M16x2.0P	
CAT50xER32-6"	10	6	1.969	1.26	2.75	M16x2.0P	
CAT50xER32-8"	12	8	1.969	1.26	2.75	M16x2.0P	
CAT50xER40-4"	8	4	2.48	1.575	2.75	M20x2.0P	
CAT50xER40-6"	10	6	2.48	1.575	2.75	M20x2.0P	
CAT50xER40-8"	12	8	2.48	1.575	2.75	M20x2.0P	

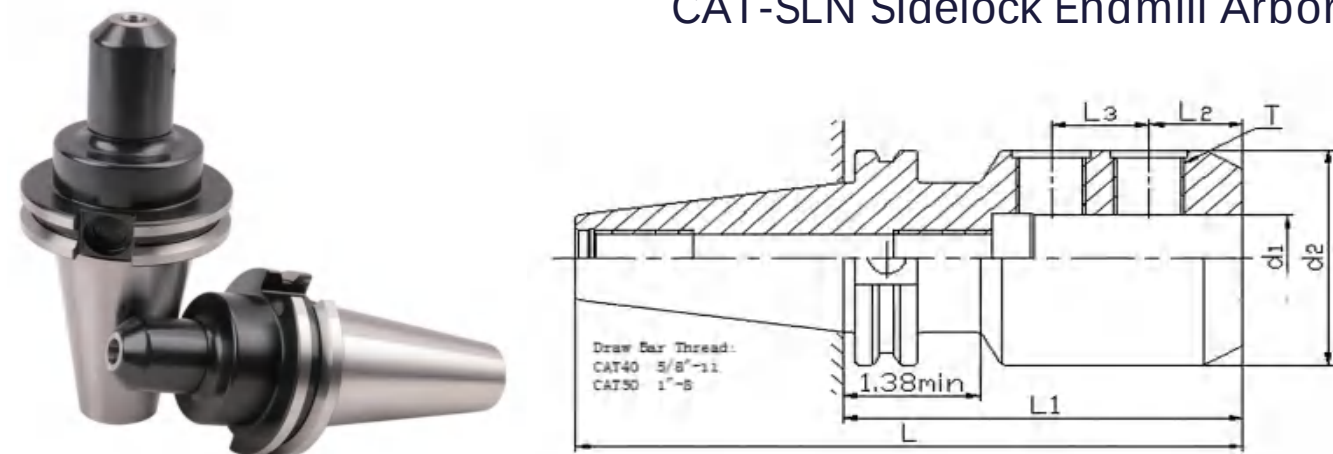
CAT-FMA Face Mill Arbor



Type	L	L1	L2	D	d	K1	K2	Price
CATx40-FMA3/4"-1.38"	4.755	1.38	0.688	1.75	0.75	0.178	0.312	
CATx40-FMA3/4"-1.5"	4.875	1.5	0.688	1.75	0.75	0.178	0.312	
CATx40-FMA3/4,"-4.00"	7.375	4	0.688	1.75	0.75	0.178	0.312	
CATx40-FMA1"-1.5"	4.875	1.5	0.688	2.25	1	0.178	0.375	
CATx40-FMA1"-2.06"	5.435	2.06	0.688	2.25	1	0.178	0.375	
CATx40-FMA1"-4.00"	7.375	4	0.688	2.25	1	0.178	0.375	
CATx40-FMA1-1/4"-1.62"	4.995	1.62	0.688	2.75	1.25	0.263	0.5	
CATx40-FMA1-1/4"-2.21"	5.585	2.21	0.688	2.75	1.25	0.263	0.5	
CATx40-FMA1-1/4"-4.00"	7.375	4	0.688	2.75	1.25	0.263	0.5	
CATx40-FMA1-1/2"-2.21"	5.834	2.21	0.937	3.75	1.5	0.35	0.625	
CATx40-FMA1-1/2"-2.40"	6.024	2.4	0.937	3.75	1.5	0.35	0.625	
CATx40-FMA1-1/2"-4.00"	7.624	4	0.937	3.75	1.5	0.35	0.625	
CATx50-FMA3/4"-1.50"	6.188	1.5	0.688	1.75	0.75	0.178	0.312	
CATx50-FMA3/4"-3.50"	8.188	3.5	0.688	1.75	0.75	0.178	0.312	
CATx50-FMA3/4"-5.50"	10.188	5.5	0.688	1.75	0.75	0.178	0.312	
CATx50-FMA1"-2.00"	6.688	2	0.688	2.25	1	0.178	0.375	
CATx50-FMA1"-4.00"	8.688	4	0.688	2.25	1	0.178	0.375	
CATx50-FMA1"-6.00"	10.688	6	0.688	2.25	1	0.178	0.375	
CATx50-FMA1-1/4"-1.50"	6.188	1.5	0.688	2.75	1.25	0.263	0.5	
CATx50-FMA1-1/4"-3.50"	8.188	3.5	0.688	2.75	1.25	0.263	0.5	
CATx50-FMA1-1/4"-5.50"	10.188	5.5	0.688	2.75	1.25	0.263	0.5	
CATx50-FMA1-1/2"-2.40"	7.337	2.4	0.937	3.75	1.5	0.35	0.625	
CATx50-FMA1-1/2"-4.00"	8.937	4	0.937	3.75	1.5	0.35	0.625	
CATx50-FMA1-1/2"-6.00"	10.937	6	0.937	3.75	1.5	0.35	0.625	
CATx50-FMA2"-2.40"	7.337	2.4	0.937	4.88	2	0.383	0.75	
CATx50-FMA2"-4.00"	8.937	4	0.937	4.88	2	0.383	0.75	
CATx50-FMA2"-6.00"	10.937	6	0.937	4.88	2	0.383	0.75	
CATx50-FMA2-1/2"-2.40"	7.53	2.4	1.13	4.88	2.5	0.472	1	
CATx50-FMA2-1/2"-4.00"	9.13	4	1.13	4.88	2.5	0.472	1	

CNC Milling chucks-CAT series

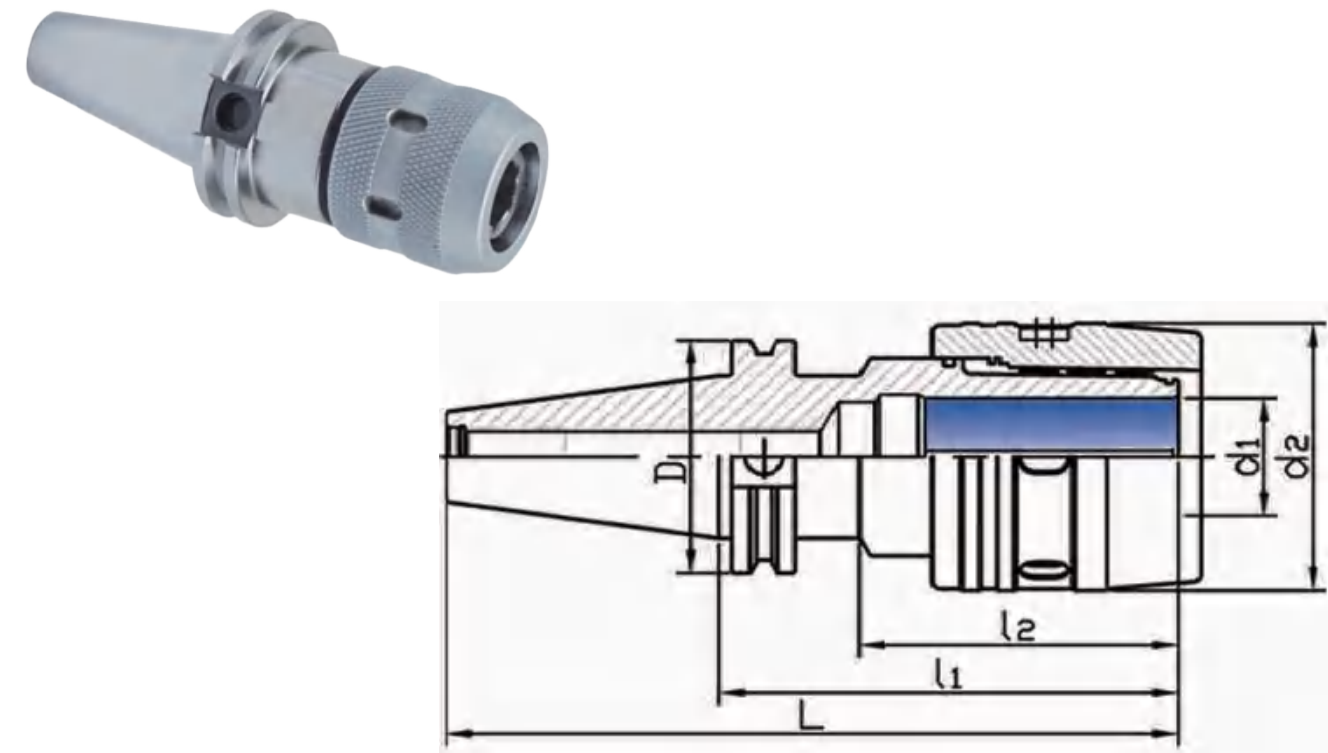
CAT-SLN Sidelock Endmill Arbor



Type	L	L1	L2	L3	d1	d2	T	Price
CATx40-SLN1/8"-2.31"	4.997	2.31	0.37	—	1/8	0.79	3/16-24	
CATx40-SLN1/8",-4.72"	7.407	4.72	0.37	—	1/8	0.787	3/16-24	
CATx40-SLN3/16"-2.31"	4.997	2.31	0.562	—	3/16	0.984	1/4-20	
CATx40-SLN3/16"-2.50"	5.187	2.5	0.562	—	3/16	0.984	1/4-20	
CATx40-SLN3/16"-4.72"	7.407	4.72	0.562	—	3/16	0.984	1/4-20	
CATx40-SLN1/4",-2.50"	5.187	2.5	0.63	—	1/4	1.38	1/4-20	
CATx40-SLN1/4"-3.00"	5.687	3	0.63	—	1/4	1.38	1/4-20	
CATx40-SLN5/16"-2.50"	5.187	2.5	0.63	—	5/16	1.38	5/16-18	
CATx40-SLN5/16"-3.00"	5.687	3	0.63	—	5/16	1.38	5/16-18	
CATx40-SLN5/16"-4.72"	7.407	4.72	0.63	—	5/16	1.38	5/16-18	
CATx40-SLN3/8"-2.50"	5.187	2.5	0.75	—	3/8	1.535	3/8-16	
CATx40-SLN3/8"-3.00"	5.687	3	0.75	—	3/8	1.535	3/8-16	
CATx40-SLN1/2"-2.50"	5.187	2.5	0.875	—	1/2	1.75	7/16-14	
CATx40-SLN1 /2"-2.62"	5.307	2.62	0.875	—	1/2	1.75	7/16-14	
CATx40-SLN1/2"-3.00"	5.687	3	0.875	—	1/2	1.75	7/16-14	
CATx40-SLN9/16"-3.00"	5.687	3	0.875	—	9/16	1.75	7/16-14	
CATx40-SLN5/8"-3.00"	5.687	3	0.937	—	5/8	1.85	1/2-13	
CATx40-SLN5/8"-3.75"	6.437	3.75	0.937	—	5/8	1.85	1/2-13	
CATx40-SLN3/4"-3.00"	5.687	3	1	—	3/4	1.929	5/8-11	
CATx40-SLN3/4"-3.50"	6.187	3.5	1	—	3/4	1.929	5/8-11	
CATx40-SLN3/4-3.75"	6.437	3.75	1	—	3/4	1.929	5/8-11	
CATx40-SLN7/8"-3.50"	6.187	3.5	1.063	1	7/8	2.36	5/8-11	
CATx40-SLN1"-4.00"	6.687	4	1.125	1	1	2.56	3/4-10	
CATx40-SLN1 -1/4"-4.25"	6.937	4.25	1.125	1	1-1/4	2.56	3/4-10	
CATx40-SLN 1 -1/4"-4.60"	7.287	4.6	1.125	1	1-1/4	2.56	3/4-10	

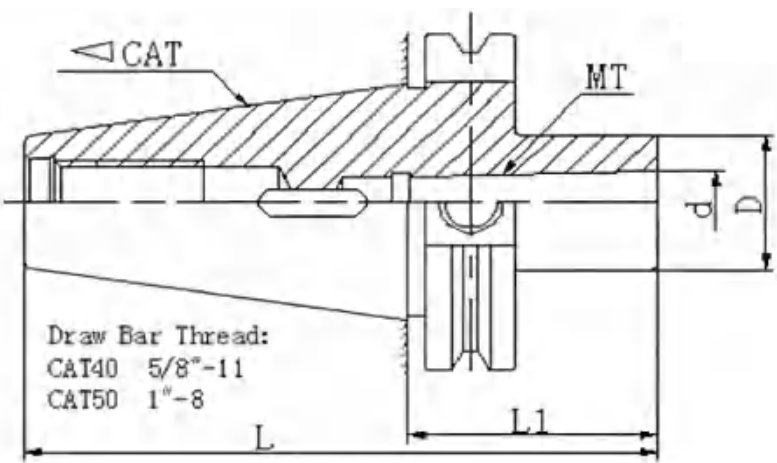
CNC Milling chucks-CAT series

CAT-MLC Milling Chuck



Model No.	L	11	12	D	d1	d2	Price
CAT40xMLC3/4"-3.385"	6.07	3.385	2.56	2.5	0.75	2.17	
CAT40xMLC3/4"-4.13"	6.82	4.13	2.56	2.5	0.75	2.17	
CAT40xMLC1-1/4-4.53"	7.22	3.385	2.76	2.5	1.25	2.87	
CAT50xMLC3/4"-4.13"	8.13	4.13	2.56	3.875	0.75	2.17	
CAT50xMLC1-1/4"-4.13"	8.13	4.13	2.76	3.875	1.25	2.87	

CNC Milling chucks-CAT series

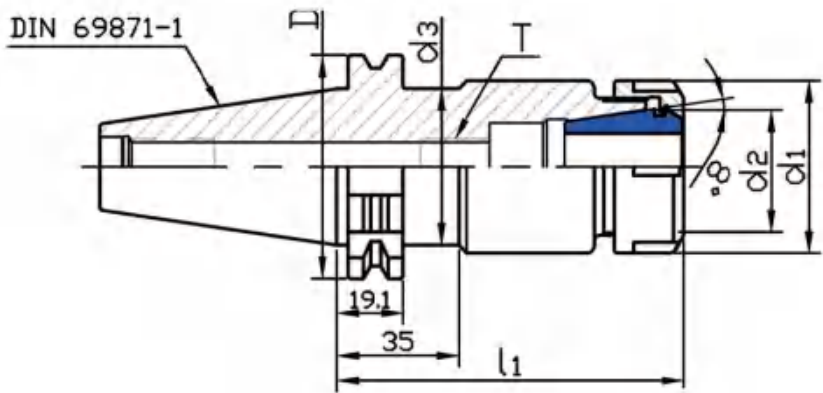


CAT-MTA Sleeve

Type	L	L1	D	d	Price
CAT40xMTA 1-1.60"	4.287	1.6	1	0.475	
CAT40xMTA1-1.75"	4.437	1.75	1	0.475	
CAT40xMTA2-2.00"	4.687	2	1.25	0.7	
CAT40xMTA2-2.44"	5.127	2.44	1.25	0.7	
CAT40xMTA3-2.75"	5.437	2.75	1.75	0.938	
CAT40xMTA3-3.00"	5.687	3	1.75	0.938	
CAT40xMTA4-3.75"	6.437	3.75	2	1.231	
CAT50xMTA4-3.38"	7.38	3.38	2	1.231	
CAT50xMTA 1-2.00"	6	2	1	0.475	
CAT50xMTA2-2.00"	6	2	1.62	0.7	
CAT50xMTA3-2.50"	6.5	2.5	1.62	0.938	
CAT50xMTA4-3.30"	7.3	3.3	2	1.231	
CAT50xMTA5-4.10"	8.1	4.1	2.75	1.748	
CAT50xMTA5-4.62"	8.62	4.62	2.75	1.748	

CNC Milling chucks-SK series

SK-ER Collet Chuck



Model No.	L1	D	d1	d2 ER	d3 MAX	T	Price
SK30xER16-70	70	50	28	16	45	M11x1.0P	
SK30xER16-100	100	50	28	16	45	M11x1.0P	
SK30xER20-70	70	50	34	20	45	M14x1.0P	
SK30xER20-100	100	50	34	20	45	M14x1.0P	
SK30xER25-70	70	50	42	25	45	M18x1.0P	
SK30xER25-100	100	50	42	25	45	M18x1.0P	
SK30ER32-70	70	50	50	32	45	M22x1.5P	
SK30xER32-100	100	50	50	32	45	M22x1.5P	
SK40xER16-70	70	63.55	28	16	50	M11x1.0P	
SK40xER16-100	100	63.55	28	16	50	M11x1.0P	
SK40xER16-160	160	63.55	28	16	50	M11x1.0P	
SK40xER20-70	70	63.55	34	20	50	M14x1.0P	
SK40xER20-100	100	63.55	34	20	50	M14x1.0P	
SK40xER20-160	160	63.55	34	20	50	M14x1.0P	
SK40xER25-70	70	63.55	42	25	50	M18x1.0P	
SK40xER25-100	100	63.55	42	25	50	M18x1.0P	
SK40ER25-160	160	63.55	42	25	50	M18x1.0P	
SK40xER32-70	70	63.55	50	32	50	M22x1.5P	
SK40xER32-100	100	63.55	50	32	50	M22x1.5P	

CNC Milling chucks-SK series

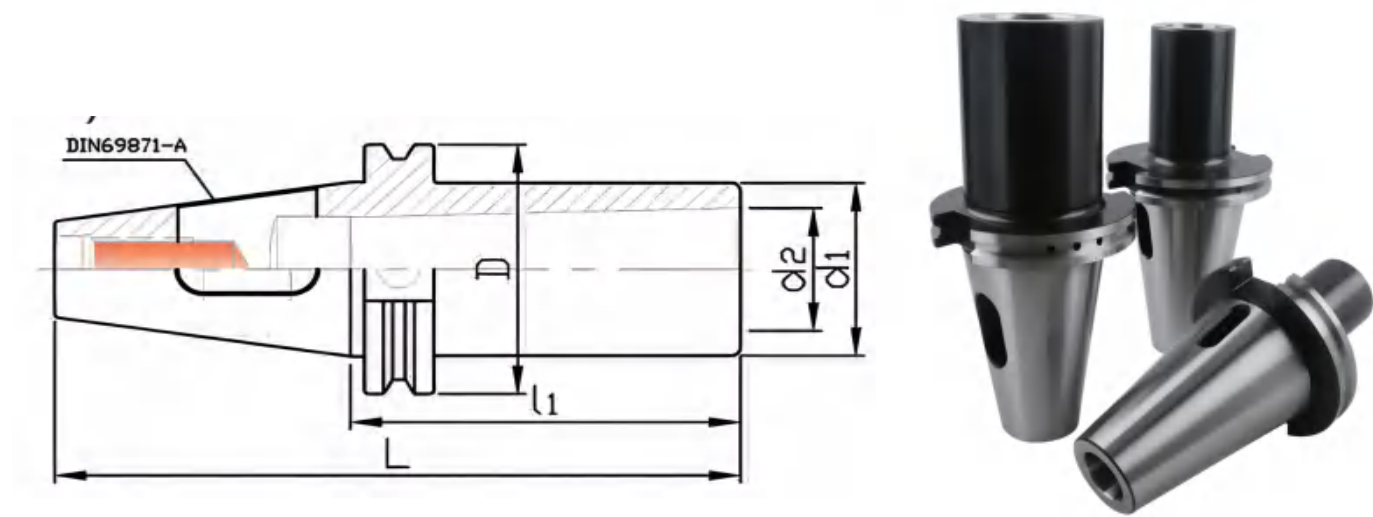
SK-ER Collet Chuck



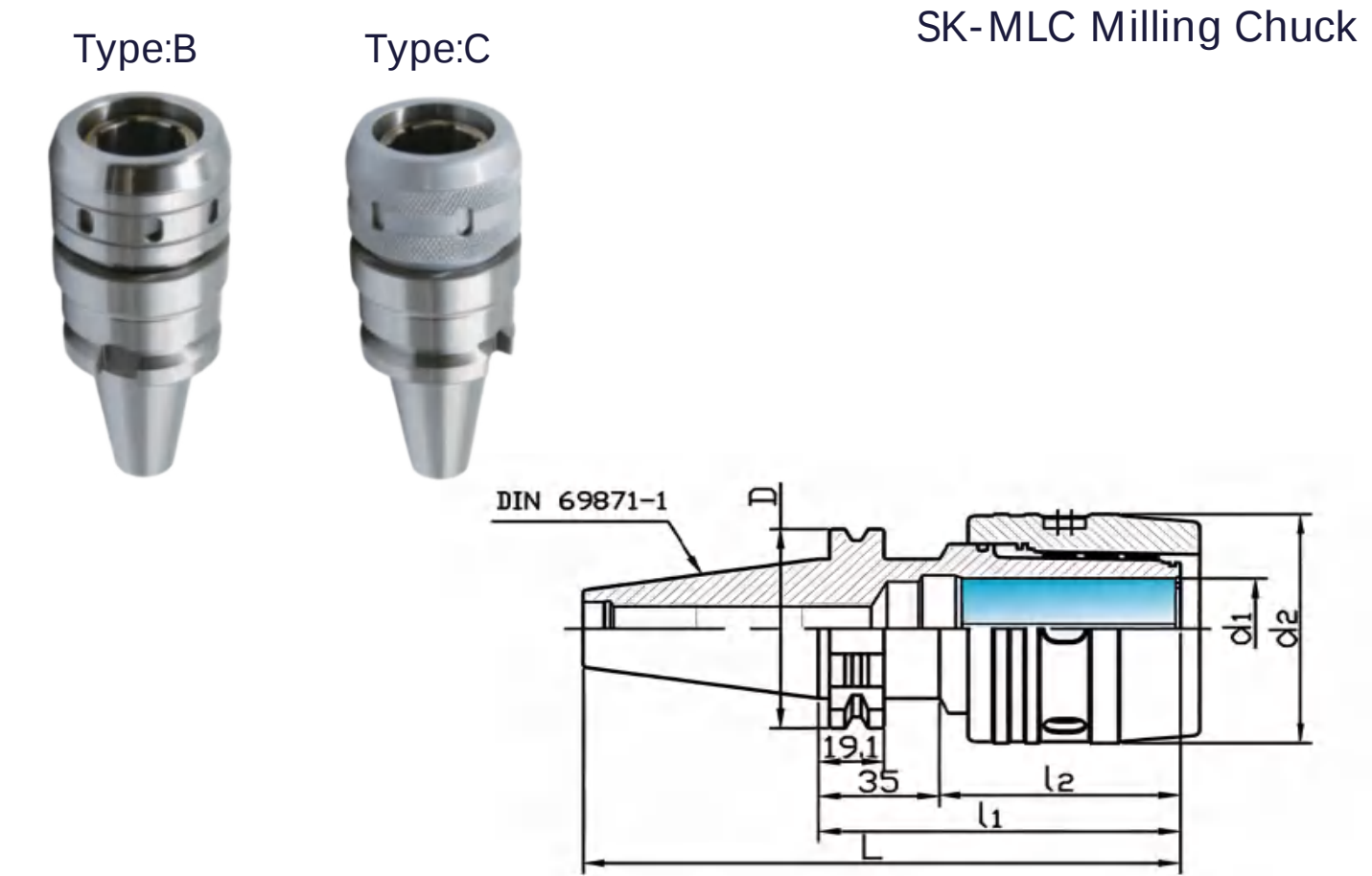
Model No.	L1	D	d1	d2 ER	d3 MAX	T	Price
SK40xER32-160	160	63.55	50	32	50	M22x1.5P	
SK40xER40-70	70	63.55	63	40	50	M28x1.5P	
SK40xER40-100	100	63.55	63	40	50	M28x1.5P	
SK40xER40-160	160	63.55	63	40	50	M28x1.5P	
SK50xER16-100	100	97.5	28	16	-	M11x1.0P	
SK50xER16-135	135	97.5	28	16	-	M11x1.0P	
SK50xER16-160	160	97.5	28	16	-	M11x1.0P	
SK50xER20-100	100	97.5	34	20	-	M14x1.0P	
SK50xER20-135	135	97.5	34	20	-	M14x1.0P	
SK50xER20-160	160	97.5	34	20	-	M14x1.0P	
SK50xER25-70	70	97.5	42	25	-	M18x1.0P	
SK50xER25-100	100	97.5	42	25	-	M18x1.0P	
SK50xER25-160	160	97.5	42	25	-	M18x1.0P	
SK50xER32-70	70	97.5	50	32	-	M22x1.5P	
SK50xER32-100	100	97.5	50	32	-	M22x1.5P	
SK50xER32-160	160	97.5	50	32	-	M22x1.5P	
SK50xER40-80	80	97.5	63	40	-	M28x1.5P	
SK50xER40-100	100	97.5	63	40	-	M28x1.5P	
SK50xER40-160	160	97.5	63	40	-	M28x1.5P	

CNC Milling chucks-SK series

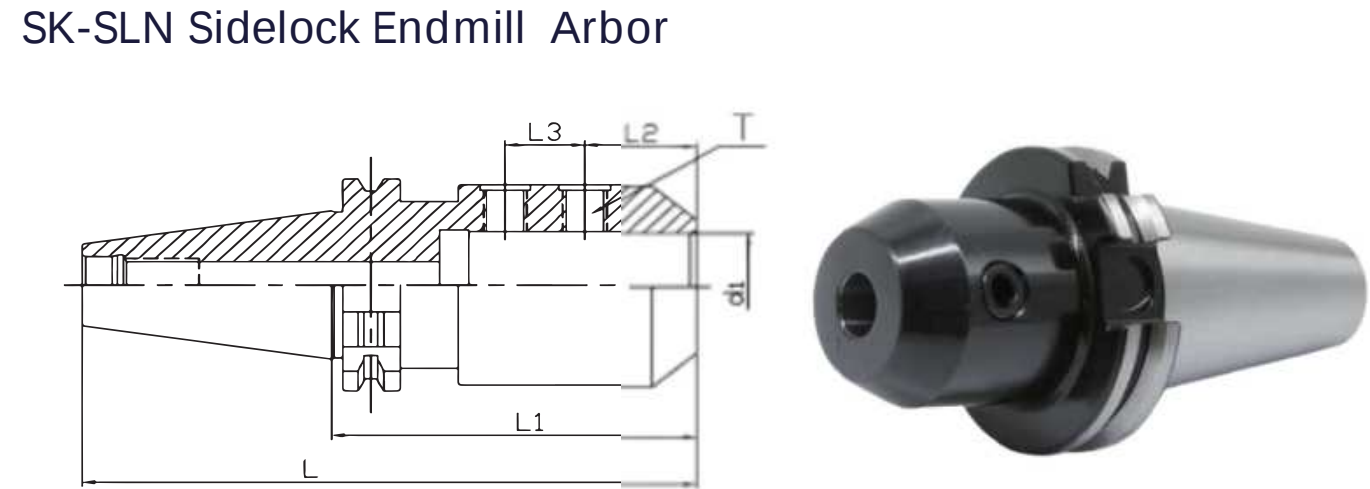
SK-MTA Sleeve



Model No.	L	11	D	d1	d2	Price
SK30xMTA1-50	97.8	50	50	25	12.065	
SK30xMTA2-60	107.8	60	50	32	17.78	
SK30xMTA3-75	122.8	75	50	40	23.825	
SK40xMTA1-50	118.4	50	63.55	25	12.065	
SK40xMTA2-50	118.4	50	63.55	32	17.78	
SK40xMTA3-70	138.4	70	63.55	40	23.825	
SK40xMTA4-95	163.4	95	63.55	48	31.267	
SK50xMTA1-45	146.75	45	97.5	25	12.065	
SK50xMTA2-60	161.75	60	97.5	32	17.78	
SK50xMTA3-65	166.75	65	97.5	40	23.825	
SK50xMTA4-95	196.75	95	97.5	48	31.267	
SK50xMTA5-105	206.75	105	97.5	63	44.399	



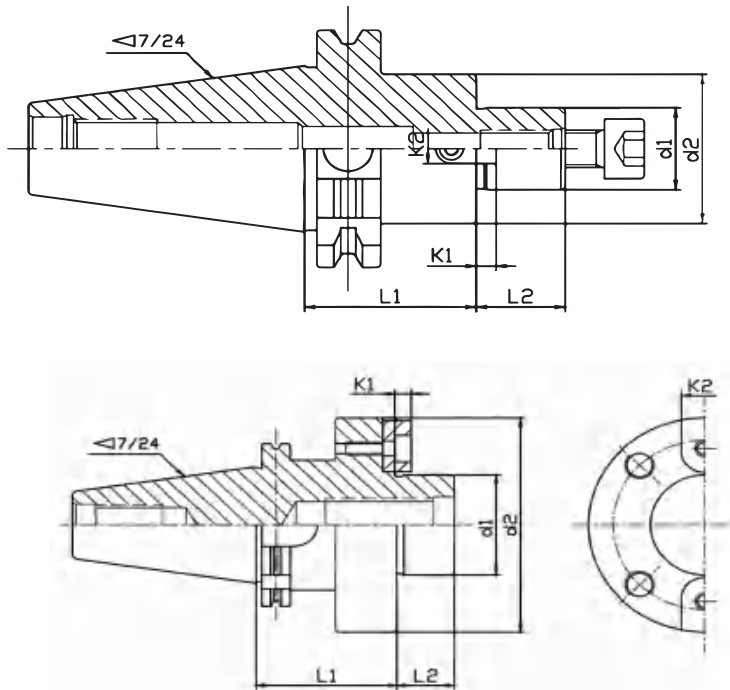
Model No.	L	l1	l2	D	d1	d2	Price
SK30xMLC20-90	137.8	90	70	50	20	55	
SK40xMLC20-90	158.4	90	70	63.55	20	55	
SK40xMLC20-105	173.4	105	70	63.55	20	55	
SK40xMLC20-135	203.4	135	70	63.55	20	55	
SK40xMLC32-105	173.4	105	75	63.55	32	73	
SK30xMLC32-135	203.4	135	75	63.55	32	73	
SK50xMLC20-105	206.75	105	70	97.5	20	55	
SK50xMLC20-135	236.75	135	70	97.5	20	55	
SK50xMLC32-105	206.75	105	75	97.5	32	73	
SK50MLC32 -135	236.75	135	75	97.5	32	73	
SK50xMLC42-110	211.75	110	90	97.5	95	95	



Model No.	L	L1	L2	L3	d1	d2	T	Price
SK30xSLN6-50	97.8	50	18	-	6	25	M6x1.0P	
SK30xSLN8-50	97.8	50	18	-	8	28	M8x1.25P	
SK30SLN10 -50	97.8	50	20	-	10	35	M10x1.5P	
SK30xSLN12-50	97.8	50	22.5	-	12	42	M12x1.75P	
SK30xSLN16-63	110.8	63	24	-	16	48	M14x2.0P	
SK40xSLN6-50	118.4	50	18	-	6	25	M6x1.0P	
SK40xSLN8-50	118.4	50	18	-	8	28	M8x1.25P	
SK40xSLN10-50	118.4	50	20	-	10	35	M10x1.5P	
SK40xSLN12-50	118.4	50	22.5	-	12	42	M10x1.75P	
SK40SLN16 -63	131.4	63	24	-	16	48	M14x2.0P	
SK40xSLN20-63	131.4	63	25	-	20	52	M16x2.0P	
SK40xSLN25-100	168.4	100	24	25	25	65	M18x2.0P	
SK40*SLN32-100	168.4	100	24	28	32	72	M20x2.0P	
SK50xSLN6-63	164.75	63	18	-	6	25	M6x1.0P	
SK50xSLN8-63	164.75	63	18	-	8	28	M8x1.25P	
SK50xSLN10-63	164.75	63	20	-	10	35	M10x1.5P	
SK50xSLN12-63	164.75	63	22.5	-	12	42	M12x1.75P	
SK50xSLN16-63	164.75	63	24	-	16	48	M14x2.0P	
SK50xSLN20-63	164.75	63	25	-	20	52	M16x2.0P	
SK50xSLN25-80	181.75	80	24	25	25	65	M18x2.0P	
SK50xSLN32-100	201.75	100	24	25	32	72	M20x2.0P	
SK50xSLN40-100	201.75	100	30	32	40	90	M20x2.0P	
SK50xSLN42-100	201.75	100	30	32	40	90	M20x2.0P	

CNC Milling chucks-SK series

SK-FMB Facemill Arbor



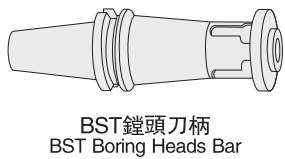
Type	L1	L2	I3	d2	d3	K1	K2	Price
SK30xFMB22-45	45	18	14	26	47	4.8	10	
SK30xFMB27-45	45	20	16	31.5	58	5.8	12	
SK40xFMB22-35	35	18	14	26	47	4.8	10	
SK40xFMB27-60	60	20	16	31.5	58	5.8	12	
SK40xFMB32-60	60	22	16	41	66	6.8	14	
SK40xFMB40-60	60	25	20.5	48	82	8.3	16	
SK50xFMB22-35	35	18	14	26	47	4.8	10	
SK50xFMB27-35	35	20	16	31.5	58	5.8	12	
SK50xFMB32-35	35	22	16	41	66	6.8	14	
SK50xFMB40-50	50	25	20.5	48	82	8.3	16	
SK50xFMB50-60	60	30	25	68	95	9.7	19	
SK40xFMB40F-60	60	30	66.7	M12	89	8.3	15.9	
SK50xFMB40F-70	70	30	66.7	M12	89	8.3	15.9	
SK50xFMB60F-70	70	40	101.6	M16	129	12.5	25.4	
SK40xFS40-60	60	26	66.7	50	110	8.3	16	
SK50xFS40-70	70	26	66.7	50	110	8.3	16	
SK50xFS60-70	70	25	101.6	M16	140	12.5	25.4	

Boring Heads Series

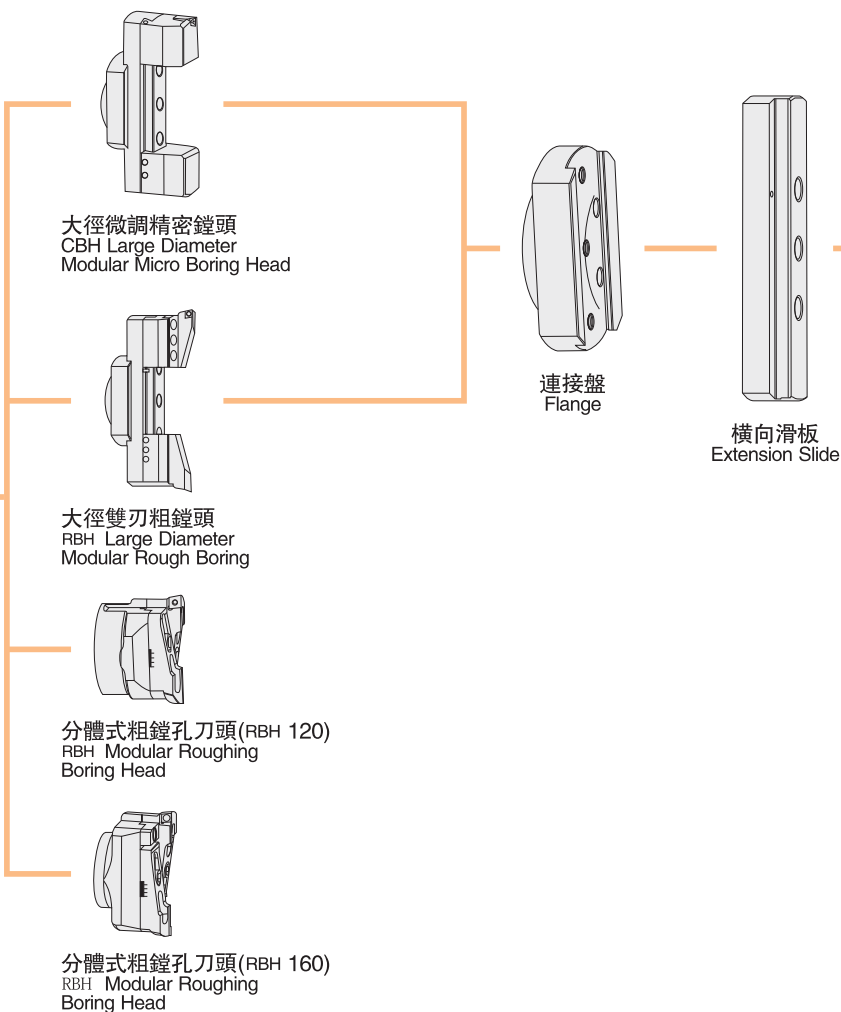


Modular Boring systems

BST系列 BST BORING SYSTEM



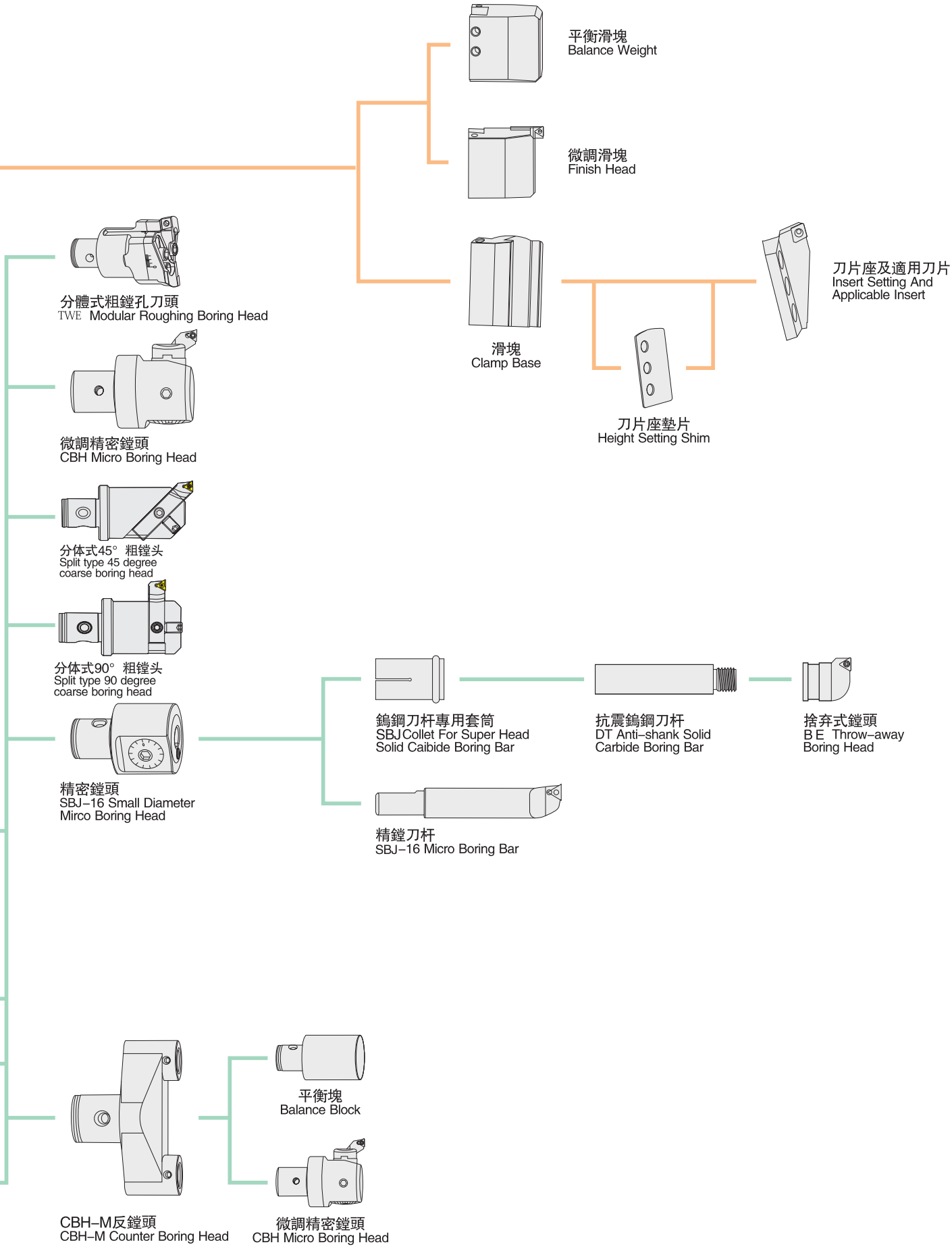
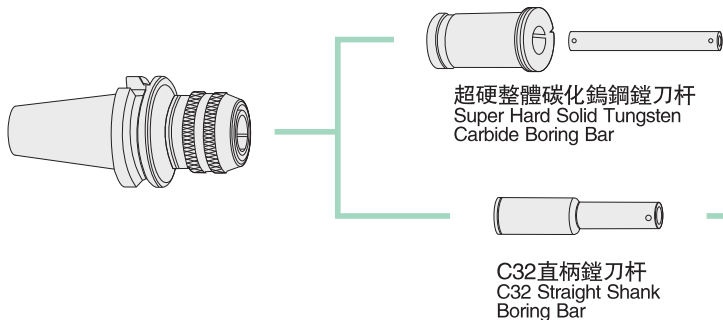
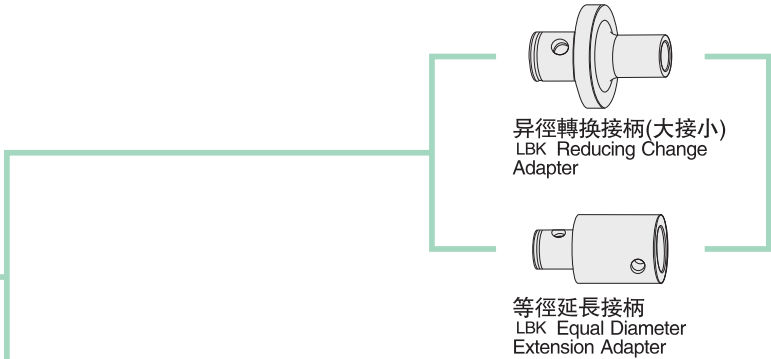
BST 鏜頭刀柄
BST Boring Heads Bar



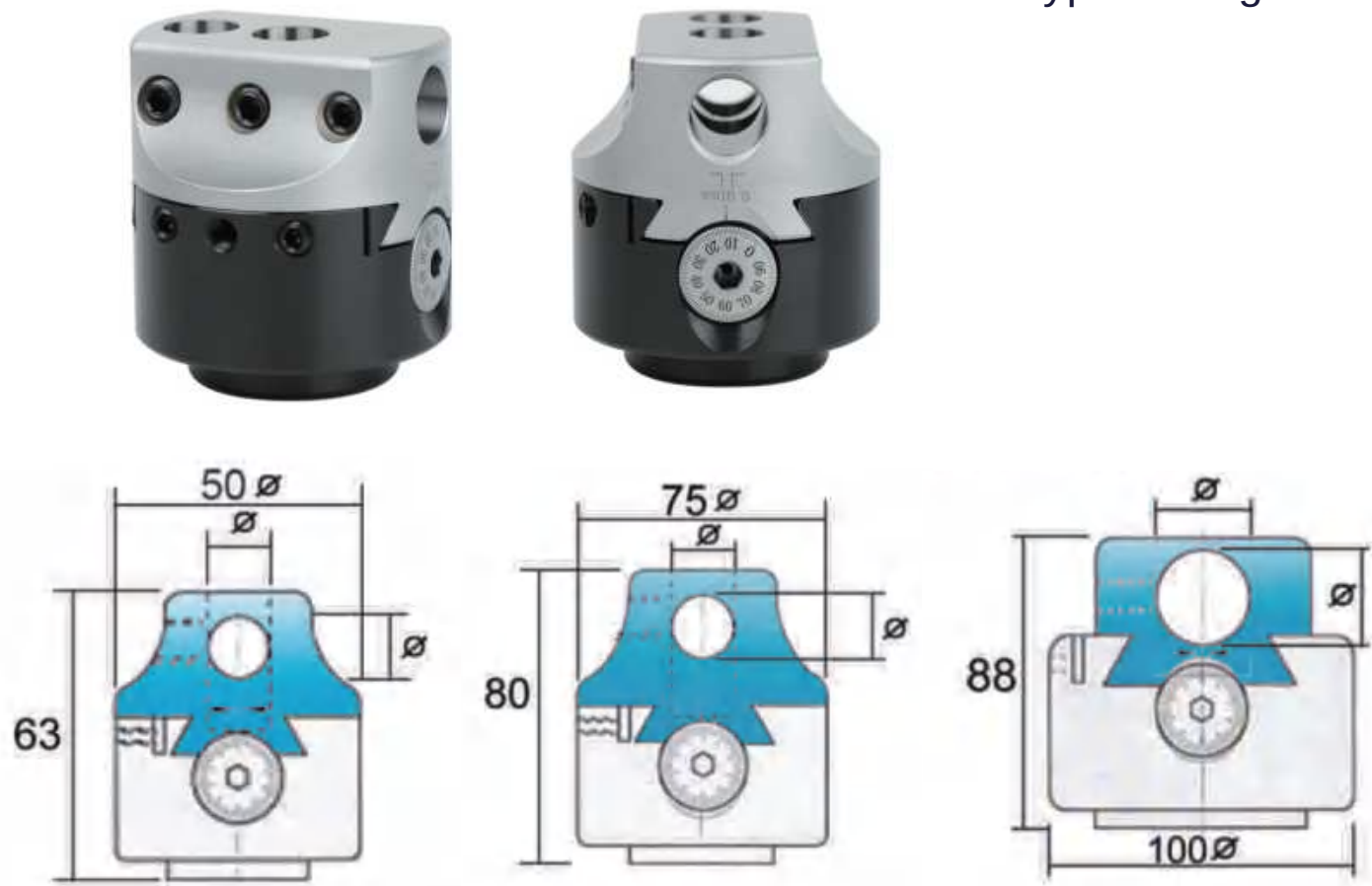
LBK系列 LBK BORING SYSTEM



LBK 鏜頭刀柄
Boring Head Bar



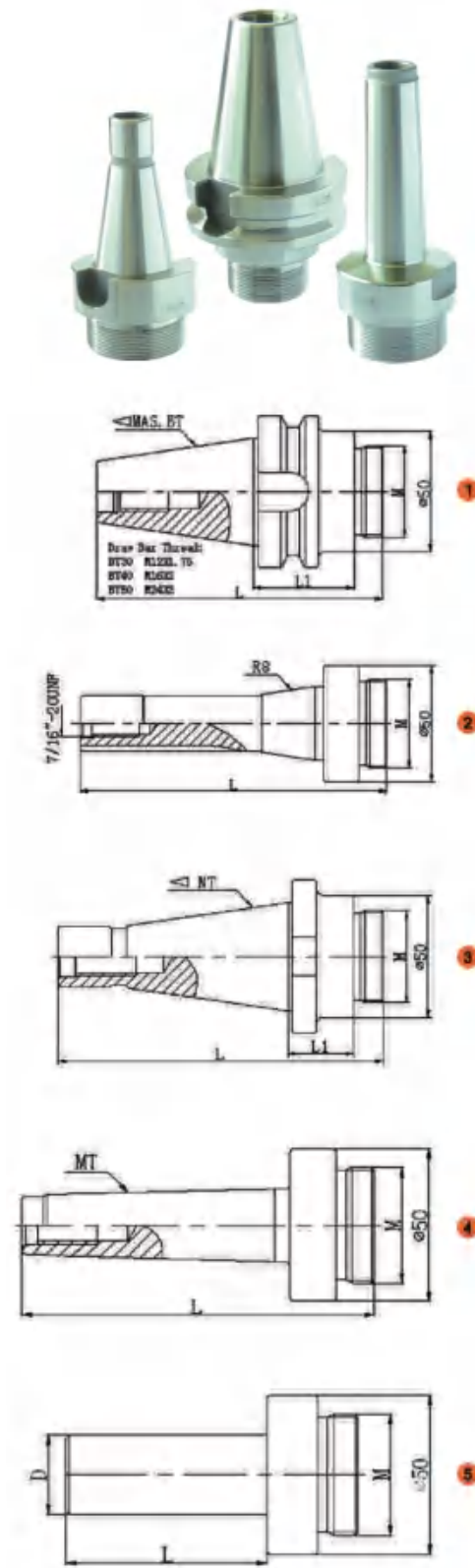
F1 Type Boring Heads



After grinding machine for fine grinding of the worm.backlash less than or equal to 5 lattices.

Model No.	Actual size	Overall length	Boring bar hole size	Center dist between holes	Cross hole dia	Max.Offset	Min Graduation	Price
F1-1/2	2"	2-7/16"	1/2"	5/8"	1/2"	5/8"	0.001"	
F1-3/4	3"	3-5/32"	3/4"	15/16"	3/4"	1"	0.0005"	
F1-1	4"	3-1/2"	1"	1-1/4"	1"	1-5/8"	0.0005"	
F1-12	50	63	12	15	12	15	0.01mm	
F1-18	75	80	18	23	18	25	0.01mm	
F1-25	100	88	25	32	25	41	0.01mm	

F1 Type Boring Shank



注：图中M=1 1/2"-18UNC
Remark:M=1 1/2"-18UNC

Type	L	L1	M
BT40	119.4	42	7/8"-20
BT50	116.8	53	7/8"-20
BT30	97.4	37	1-1/2"-18
BT40	119.4	42	1-1/2"-18
BT50	116.8	53	1-1/2"-18

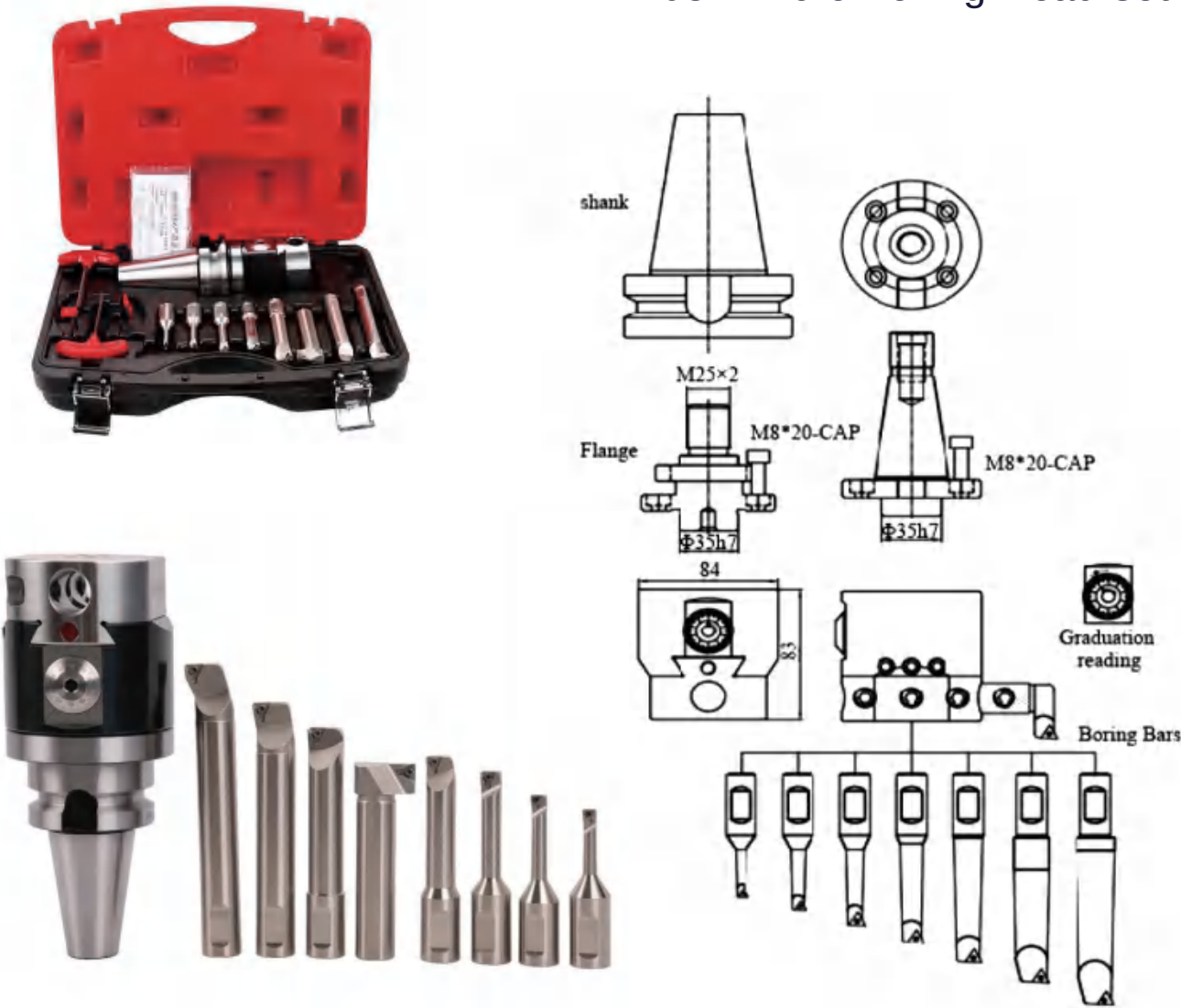
Model	L	M
R8	132	1-1/2"-18
R8	132	7/8"-20

Type	L	L1	Speification	M
NT30	105	24.6	1/2"-12	1-1/2"-18
NT30	105	24.6	M12x1.75	1-1/2"-18
NT40	132	26.6	5/8"-11	1-1/2"-18
NT40	132	26.6	M16x2.0	1-1/2"-18
NT50	170	31.2	1"-8	1-1/2"-18
NT50	170	31.2	M24x3.0	1-1/2"-18

Type	L	M	Speification
MT2	96	1-1/2"-18	3/8"-16
MT2	96	1-1/2"-18	M10x1.5
MT3	113	1-1/2"-18	3/8"-16
MT3	113	1-1/2"-18	1/2"-13
MT3	113	7/8"-20	1/2"-13
MT3	113	1-1/2"-18	1/2"-12
MT3	113	1-1/2"-18	M12x1.75
MT4	137	1-1/2"-18	5/8"-11
MT4	137	1-1/2"-18	M16x2.0
MT5	161.5	1-1/2"-18	1"-8
MT5	161.5	1-1/2"-18	M24x3.0

Type	D	L	M
Dia20	20	60	1-1/2"-18
Dia25	25	60	1-1/2"-18
Dia32	32	60	1-1/2"-18

NBH2084 Micro Boring Head Set



Model No.	Boring range	Boring bar hole size	Feed graduation	Max.stroke of slide block	Shank Type	Price
R8-NBH2084	8-280	20mm	0.01mm	25	R8	
NT30-NBH2084					DIN2080.30	
NT40-NBH2084					DIN2080.40	
NT50-NBH2084					DIN2080.50	
BT40-NBH2084					BT40	
BT50-NBH2084					BT50	
SK40-NBH2084					DIN69871.40	
SK50-NBH2084					DIN69871.50	

NBH2084 Micro Boring bar



Type	Boring Range	Depth	Wrench	
SBJ-2008-32	8-10	32	T6F	Standard
SBJ-2010-40	10-13	40	T6F	Standard
SBJ-2012-53	12-1	53	T8F	Standard
SBJ-2016-68	16-21	68	T8F	Standard
SBJ-2020-83	20-130	83	T8F	Standard
SBJ-2025-96	25-135	96	T8F	Standard
SBJ-2030-115	30-140	115	T8F	Standard
SBJ-2020-L	120-280	84+BTL1	T8F	Standard
SBJ2008-90	8-11	90	T6F	Optional
SBJ2010-90	10-13	90	T6F	Optional
SBJ2012-90	12-17	90	T6F	Optional
SBJ2016-102	16-21	102	T8F	Optional
SBJ2016-150	16-21	150	T8F	Optional
SBJ2020-120	20-130	120	T8F	Optional
SBJ2020-150	20-130	150	T8F	Optional
SBJ2020-200	20-130	200	T8F	Optional
SBJ2020-250	20-130	250	T8F	Optional
SBJ2025-116	25-135	116	T8F	Optional
SBJ2025-150	25-135	150	T8F	Optional
SBJ2025-200	25-135	200	T8F	Optional
SBJ2025-250	25-135	250	T8F	Optional
SBJ2030-135	30-140	135	T8F	Optional
SBJ2030-150	30-140	150	T8F	Optional
SBJ2030-200	30-140	200	T8F	Optional
SBJ2030-250	30-140	250	T8F	Optional
SBJ20L20-150	145-330	150	T8F	Optional
SBJ20L20-200	170-380	200	T8F	Optional

Boring Head Series-SBJ series

SBJ-16 Micro Boring Head Set



Model No.	Boring range	Boring bar hole size	Feed graduation	Shank Type	Price
NT30-SBJ16-8P	06-51	16mm	0.01mm	LBK Boring shank	
NT40-SBJ16-8P	06-51				
NT50-SBJ16-8P	06-51				
BT30-SBJ16-8P	06-51				
BT40-SBJ16-8P	06-51				
BT50-SBJ16-8P	06-51				
SK40-SBJ16-8P	06-51				
SK50-SBJ16-8P	06-51				
R8-SBJ16-8P	06-51				
HSK63A-SBJ16-8P	06-51				
HSK100A-SBJ16-8P	06-51				
CAT40-SBJ16-8P	06-51				
CAT50-SBJ16-8P	06-51				
C32-BSJ16-8P	06-51				
MT4-SBJ16-8P	06-51				
MT5-SBJ16-8P	06-51				
MT6-SBJ16-8P	06-51				
C20-SBJ16-8P	06-51				

Boring Head Series-SBJ series

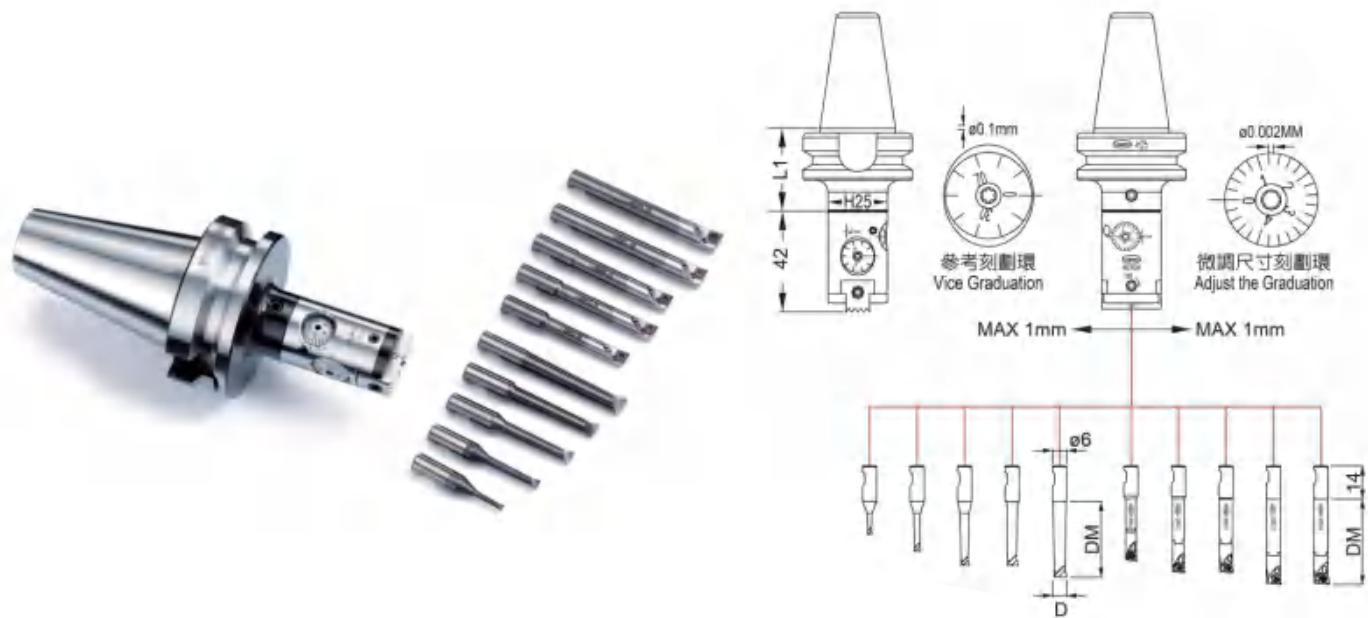
SBJ-16 Micro Boring Bar



Type	Boring Range	Depth	Wrench	
SBJ1606-24	6-9	24		Standard
SBJ1608-32	8-11	32	T6F	Standard
SBJ1610-40	10-13	40	T6F	Standard
SBJ1612-53	12-15	53	T8F	Standard
SBJ1614-60	14-17	60	T8F	Standard
SBJ1616-68	16-21	68	T8F	Standard
SBJ1620-83	20-26	83	T8F	Standard
SBJ1625-90	25-31	90	T8F	Standard
SBJ1630-90	30-36	90	T8F	Standard
SBJ1635-90	35-41	90	T8F	Standard
SBJ1640-90	40-46	90	T8F	Standard
SBJ1645-90	45-51	90	T8F	Standard
SBJ1606-50	6-9	50	T8F	Optional
SBJ 1608-90	8-11	90	T8F	Optional
SBJ1610-90	10-13	90	T8F	Optional
SBJ1612-90	12-15	90	T8F	Optional
SBJ1614-100	14-17	100	T8F	Optional
SBJ1616-120	16-21	120	T8F	Optional
SBJ1616-150	16-21	150	T8F	Optional
SBJ1620-120	20-26	120	T8F	Optional
SBJ1620-150	20-26	150	T8F	Optional
SBJ1620-200	20-26	200	T8F	Optional
SBJ1625-150	25-31	150	T8F	Optional
SBJ1625-200	25-31	200	T8F	Optional
SBJ1630-150	30-36	150	T8F	Optional
SBJ1630-200	30-36	200	T8F	Optional
SBJ1635-150	35-41	150	T8F	Optional
SBJ1635-200	35-41	200	T8F	Optional
SBJ1640-150	40-46	150	T8F	Optional
SBJ1640-200	40-46	200	T8F	Optional
SBJ1645-150	45-51	150	T8F	Optional
SBJ1645-200	45-51	200	T8F	Optional

Boring Head Series-HBOR series

HBOR25 Extremely Fine Boring Head Set



Model No.	Boring range	Boring bar hole size	Feed graduation	L1	Price
BT30-HBOR25P	2-8mm	6mm	0.002mm	80	
BT40-HBOR25P	2-8mm	6mm	0.002mm	70	
SK30-HBOR25P	2-8mm	6mm	0.002mm	80	
SK40-HBOR25P	2-8mm	6mm	0.002mm	70	
HSK63-HBOR25P	2-8mm	6mm	0.002mm	95	

Type	Boring Range	Depth	Wrench	Price
CA0602-09T	2-3.2	9		
CA0603-16T	3-4.2	16		
CA0604-22T	4-5.2	22		
CA0605-27T	5-6.2	27		
CA0606-32T	6-7.2	32		
CB06050-21	5-6	21		
CB06055-26	5.5-6.5	26		
CB06060-26	6-7	26		
CB06065-31	6.5-7.5	31		
CB06070-31	7-8	31		

T6F

Boring Head Series-HBOR series

HBOR50 Extremely Fine Boring Head Set

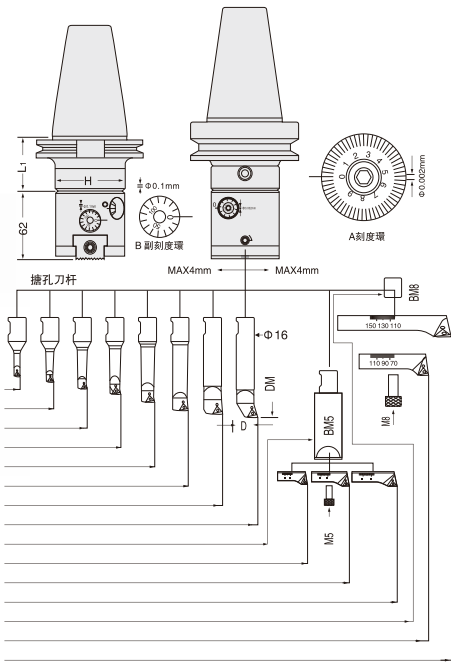


Model No.	Boring range	Boring bar hole size	Feed graduation	L1	Price
BT30-HBOR50-14P	6-90mm	16mm	0.002mm	70	
BT40-HBOR50-14P	6-90mm	16mm	0.002mm	75	
BT50-HBOR50-14P	6-90mm	16mm	0.002mm	90	
SK30-HBOR50-14P	6-90mm	16mm	0.002mm	55	
SK40-HBOR50-14P	6-90mm	16mm	0.002mm	50	
SK50-HBOR50-14P	6-90mm	16mm	0.002mm	50	
HSK63-HBOR50-14P	6-90mm	16mm	0.002mm	50	

Type	Boring Range	Depth	Wrench	Price
BR1606-21	6-9	21	T6F	
BR1608-28	8-11	28	T6F	
BR1610-35	10-13	35	T6F	
BR1612-42	12-15	42	T8F	
BR1614-50	14-17	50	T8F	
BR1616-60	16-20	60	T8F	
BR1620-65	20-24	65	T8F	
BR1624-68	24-28	68	T8F	
BM5			L4F	
SRTP2938	28-38	+10	T8F	
SRTP3652	36-52	+12	T8F	
SRTP4468	44-68	+12	T8F	
BM8			L6F	
SRTP5790	57-90	+20	T8F	
BM5-100L			L4F	

Boring Head Series-HBOR series

HBOR63 Extremely Fine Boring Head Set

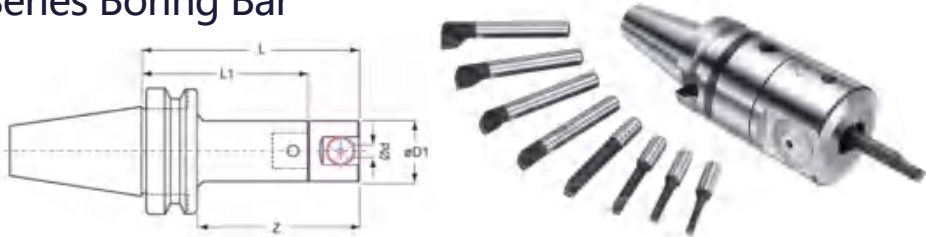


Model No.	Boring range	Boring bar hole size	Feed graduation	L1	Price
NT40-HBOR63-15P	6-150mm	16mm	0.002mm	65	
NT50-HBOR63-15P	6-150mm	16mm	0.002mm	95	
BT40-HBOR63-15P	6-150mm	16mm	0.002mm	65	
BT50-HBOR63-15P	6-150mm	16mm	0.002mm	95	
SK40-HBOR63-15P	6-150mm	16mm	0.002mm	65	
SK50-HBOR63-15P	6-150mm	16mm	0.002mm	95	
HSK63-HBOR63-15P	6-150mm	16mm	0.002mm	65	

Type	Boring Range	Depth	Wrench	Price
BR1606-21	6-9	21	T6F	
BR1608-28	8-11	28	T6F	
BR1610-35	10-13	35	T6F	
BR1612-42	12-15	42	T8F	
BR1614-50	14-17	50	T8F	
BR1616-60	16-20	60	T8F	
BR1620-65	20-24	65	T8F	
BR1624-68	24-28	68	T8F	
BM5			L4F	
SRTP2938	28-38	+10	T8F	
SRTP3652	36-52	+12	T8F	
SRTP4468	44-68	+12	T8F	
BM8			L6F	
SRTP70110	70-110	+20	T8F	
SRTP110150	110-150	+20	L4F	

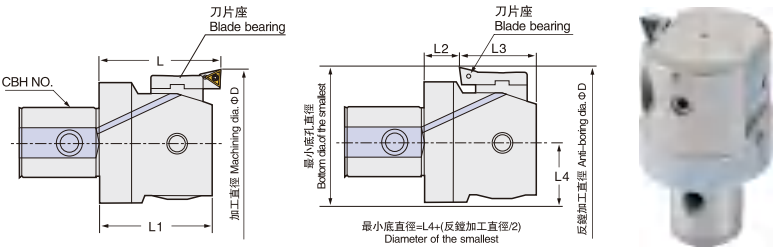
Boring Head Series-CBI series

CBI Path Adjustment Fine Boring Knife Handle+LBK (MAS 403 BT) +Path BJ Series Boring Bar



Model No.	F(mm)	Z	LBK shank	CBI Boring Head	Boring Bar	LBK No.	Overall Length	L1	D1
BT30-CBI4-BJ10-6PCS	0-2.0	45	BT30-LBK4-45	CBI14	BJ10-5PCS	4	77	45	39
BT30-CBI5-BJ12-6PCS	0-3.5	65	BT30-LBK5-65	CB115	BJ12-5PCS	5	105	65	50
BT30-CBI6-BJ16-8PCS	0-5.0	60	BT30-LBK6-60	CBI16	BJ16-8PCS	6	110	60	64
BT40-CBI4-BJ10-6PCS	0-2.0	50	BT40-LBK4-50	CBI14	BJ10-5PCS	4	82	50	39
BT40-CBI5-BJ12-6PCS	0-3.5	75	BT40-LBK5-75	CB115	BJ12-5PCS	5	90	75	50
BT40-CBI6-BJ16-8PCS	0-5.0	65	BT40-LBK6-65	CBI16	BJ16-8PCS	6	114	65	64
BT50-CBI4-BJ10-6PCS	0-2.0	115	BT50-LBK4-115	CBI14	BJ10-5PCS	4	147	115	39
BT50-CBI5-BJ12-6PCS	0-3.5	90	BT50-LBK5-90	CB115	BJ12-5PCS	5	130	90	50
BT50-CBI6-BJ16-8PCS	0-5.0	95	BT50-LBK6-95	CBI16	BJ16-8PCS	6	145	95	64

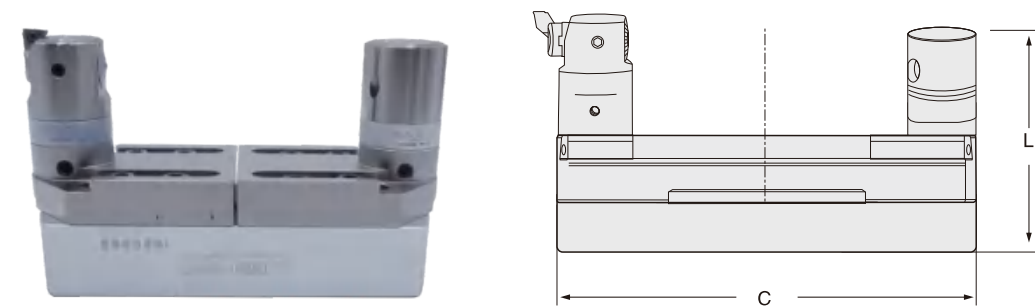
CBH Micro Boring Head



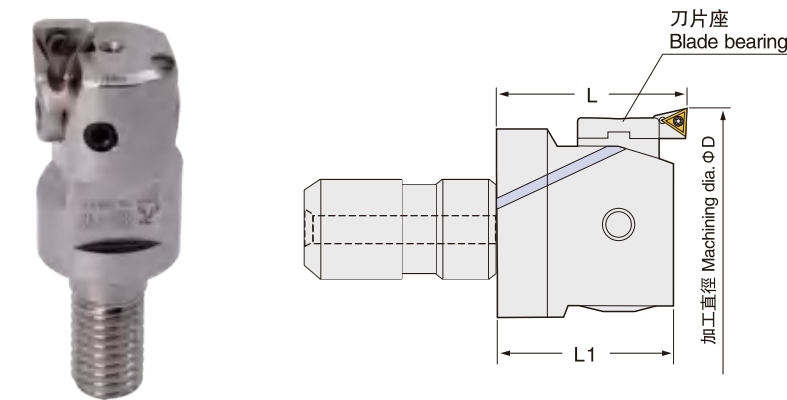
Model No.	L1	L	Range	L4	L2	L	Range	Modular Holder	Boring head	Blade Bearing
CBH20-36	29.5	32.5	20-26	10	10.5	19	-	LBK1	CBH20-36	CBH1-1
			25-31				30-31			CBH1-2
			30-36				30-36			CBH1-3
CBH25-47	32.5	35.5	32-42	12.5	11.5	21	-	LBK2	CBH25-47	CBH2-1
			41-51				46-51			CBH2-2
			50-60				50-60			CBH2-3
CBH32-60	35	40	32-42	16	10	25	-	LBK3	CBH32-60	CBH3-1
			41-51				53-63			CBH3-2
			50-60				61-74			CBH3-3
CBH41-74	43	47	41-54	20	14	29	62-70	LBK4	CBH41-74	CBH4-1
			50-63				65-82			CBH4-2
			61-74				78-95			CBH4-3
CBH53-95	53	57	53-70	25.5	19	34	80-100	LBK5	CBH53-95	CBH5-1
			65-82				94-126			CBH5-2
			78-95				118-150			CBH5-3
CBH68-150	67.2	71	68-100	32.5	22	45	80-100	LBK6	CBH68-150	CBH6-1
			94-126				94-126			CBH6-2
			118-150				118-150			CBH6-3
CBH100-203	67.2	71	100-153	45.5	22	45	112-153	LBK8	CBH100-203	CBH6-1
			126-179				126-179			CBH6-2
			150-203				150-203			CBH6-3

Boring Head Series-CBH&TWE

CBH Large-Diameter Space Aluminium
Fine-tuning precision hole(weight reduction)



Model No.	C	L	Boring Range	Modular Holder	Wrench	Price
CBH150210	145	120	150-200	BST	T8F	
CBH200310	190	120	200-310			
CBH300410	290	120	300-410			
CBH400510	390	120	400-510			
CBH500610	490	120	500-610			
CBH600710	590	120	600-710			
CBH600910	690	120	600-910			
CBH9001200	890	120	900-1200			

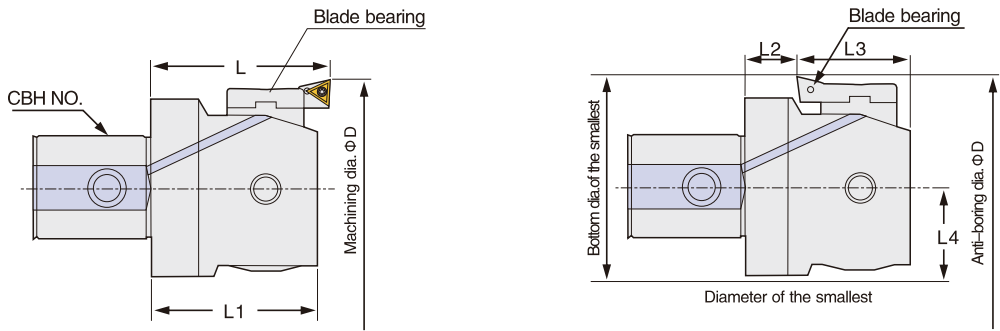


TWE thread Double
Blade Coarse Boring Head

Model No.	Range	L	Insert	Price
TWE14-17-M8	14-17	20	CCMT060204	
TWE16-21-M8	16-21	28	CCMT060204	
TWE19-26-M10	19-26	35	CCMT060204	
TWE25-33—M12	25-33	35	CCMT060204	
TWE32-42-M16	32-42	45	CCMT09T304	
TWE40-55-M16	40-55	45	CCMT09T304	

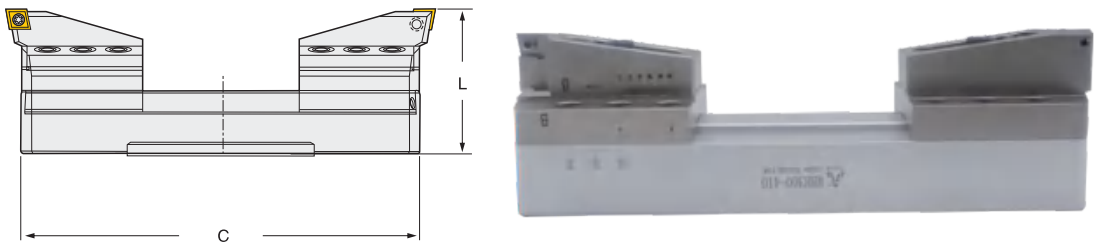
Boring Head Series-TWE

TWE Saw Tooth Type Double Edge Rough Boring Head



Model No.	Figure	C	L	Boring	Holder	Insert	Screw	Wrench	Price
TWE1926-C	A	19	35	19-26	LBK1	CC**0602	T25050S	T8F	
TWE2533-C	A	24	35	25-33	LBK2	CC**0602	T25050S	T8F	
TWE3242-C	A	31	45	32-42	LBK3	CC**09T3	T40090G	T15F	
TWE4054-C	A	39	55	40-54	LBK4	CC**09T3	T40090G	T15F	
TWE5270-C	A	50	65	52-70	LBK5	CC**1204	T40090G	T15F	
TWE6895-C	A	64	60	68 - 95	LBK6	CC**1204	T40090G	T15F	
TWE90122-C	A	95	70	90-122	LBK6	CC**1204	T40090G	T15F	
TWE120164-C	B	95	70	120-164	BST	CC**1204	T50120G	T20F	
TWE160204-C	B	95	70	160-204	BST	CC**1204	T50120G	T20F	

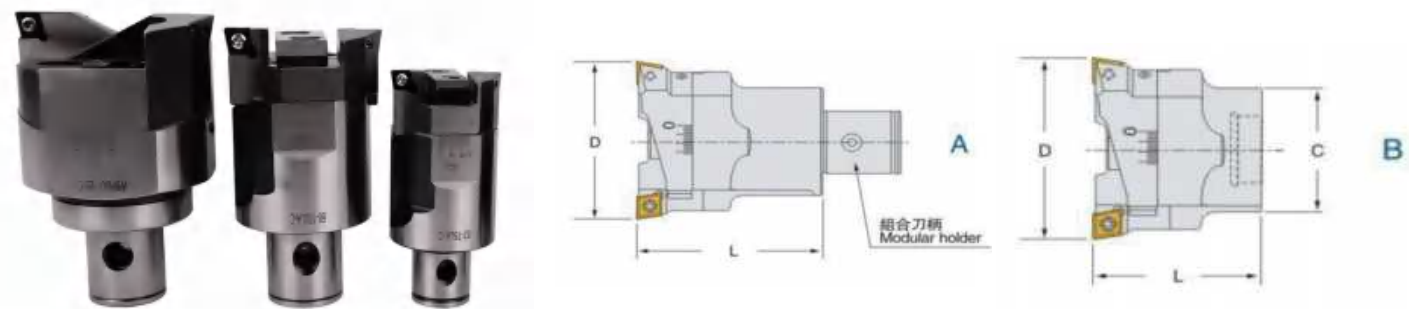
TWE Large diameter space aluminium double-edged rough head(with reduction)



Model	C	L	Boring Range	Modular Holder	Insert	Screw	Wrench	Price
TWE200310	190	85	200-310	BST	CCMT 120408	T50120G	T20F	
TWE300410	290	85	300-410					
TWE400510	390	85	400-510					
TWE500610	490	95	500-610					
^TWE600910	590	115	600-910					
TWE9001200	690	115	900-1200					

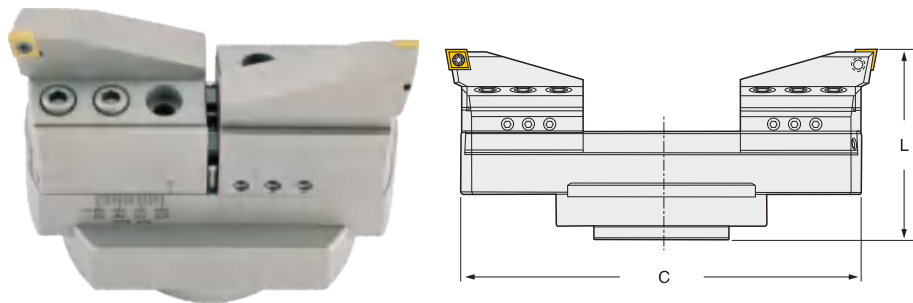
Boring Head Series-CBH&RBH Series

RBH Modular Roughing Boring Head



Model	Figure	C	L	Boring Range D	Modular Holder	Insert	Screw	Wrench	Price
RBH1926-C	A	19	40	19-26	LBK1	CC**0602	T25050S	T8F	
RBH2533-C	A	24	45	25-33	LBK2	CC**0602	T25050S	T8F	
RBH3242-C	A	31	60	32-42	LBK3	CC**0602	T25050S	T8F	
RBH4055-C	A	39	70	40-55	LBK4	CC**09T3	T40090G	T15F	
RBH5270-C	A	50	75	52-70	LBK5	CC**09T3	T40090G	T15F	
RBH6892-C	A	64	85	68-92	LBK6	CC**1204	T40090G	T15F	
RBH90122-C	A	95	90	90-122	LBK6	CC**1204	T40090G	T15F	
RBH120164-C	B	95	85	120-164	BST	CC**1204	T50120G	T20F	
RBH160204-C	B	95	90	160-204	BST	CC**1204	T50120G	T20F	
RBH200-310-C	B	95	80	200-310	BST	CC**1204	T50120G	T20F	

RBH Large Diameter Modular Rough Boring Head



Model	C	L	Boring Range	Modular Holder	Insert	Screw	Wrench	Price
RBH200310	180	130	200-310	BST	CCMT 120408	T50120G	T20F	
RBH300410	280	130	300-410					
RBH400510	380	130	400-510					
RBH500610	480	130	500-610					
RBH600950	580	130	600-950					
RBH9001200	680	130	900-1200					

Boring Head Series-F21&F4 Series

Universal Facing and Boring Head



Model No.	F212A 150	F213A 350	F214A 450
Max facing and boring dia(mm)	150	350	450
Max stroke of slide(mm)	±15	±25	±50
Fine feed per graduation(mm)		0.005	
Manual feed per revolution(mm)	2		3
Self-acting feed per revolution(mm)	0.02 0.04 0.06 0.08 0.10 0.12	0.03 0.06 0.09 0.12 0.15 0.18	
Dia of tool post holes in slide(mm)	18		22
Maxdia of slide(mm)	90	120	168
Height of head without shank(mm)	87.5		118
Weight of head without shank(kg)	2.9	6.1	7.8
The lenthth of sliding block(mm)	75	105	160
The width of sliding block(mm)	70	90	90
ID of bushing(mm)	4、 8、 12	8、 10、 12、 14	

F4 Series Universal Boring and Facing Head



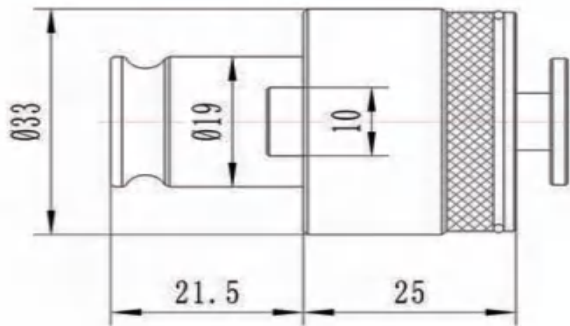
Model	Dia.of boring	Boring bar hole size	Center dist between holes	Fine feed per graduation	Offset
F4-18	5~250	18	23	0.005	±15

Tapping Accessory



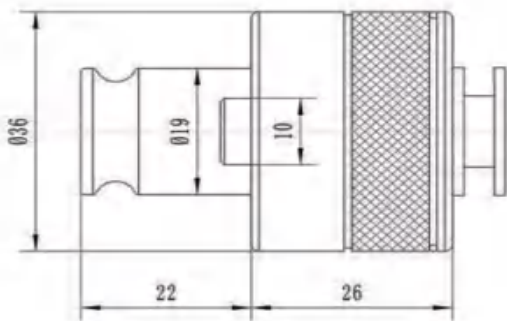
Tapping Accessory-Tapping Collet

TC312(ISO/JIS/DIN) with Overload Protection



Model No.(ISO)	Tapping size	Tpas dia	Taps W	Price	Model No.(JIS)	Tapping size	Tpas dia	Taps W	Price
ISO-TC312-M2	M2	2.5	2		JIS-TC312-M2	M2	3	2.5	
ISO-TC312-M2.5	M2.5	2.8	2.24		JIS-TC312-M3	M3	4	3.2	
ISO-TC312-M3	M3	3.15	2.5		JIS-TC312-M4	M4	5	4	
ISO-TC312-M4	M4	4	3.15		JIS-TC312-M5	M5	5.5	4.5	
ISO-TC312-M5	M5	5	4		JIS-TC312-M6	M6	6	4.9	
ISO-TC312-M6	M6	6.3	5		JIS-TC312-M8	M8	6.2	5	
ISO-TC312-M8	M8	6.3	5		JIS-TC312-M10	M10	7	5.5	
ISO-TC312-M10	M10	8	6.3		JIS-TC312-M12	M12	8.5	6.5	
ISO-TC312-M12	M12	9	7.1		JIS-TC312-M14	M14	10.5	8	
ISO-TC312-M14	M14	11.2	9						
ISO-TC312-M16	M16	12.5	10						

<https://www.hoshingmetrology.com>

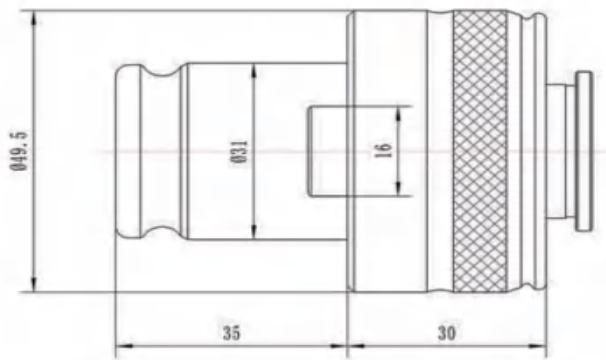


Model No.(DIN376)	Tapping size	Tpas dia	Taps W	Price
DIN371-TC312-M3	M3	3.5	2.7	
DIN371-TC312-M4	M4	4.5	3.4	
DIN371-TC312-M5	M5	6	4.9	
DIN371-TC312-M6	M6	6	4.9	
DIN371-TC312-M8	M8	8	6.2	
DIN371-TC312-M10	M10	10	8	
DIN376-TC312-M8	M8	6	4.9	
DIN376-TC312-M10	M10	7	5.5	
DIN376-TC312-M12	M12	9	7	
DIN376-TC312-M14	M14	11	9	

Tapping Accessory-Tapping Collet



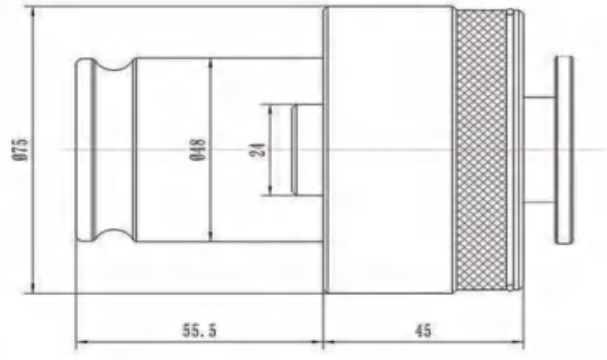
TC820 (ISO/JIS/DIN) with Overload Protection



Model No.(ISO)	Tpas dia	Taps W	Price	Model No.(JIS)	Tpas dia	TapsW	Price	Model No.(DIN)	Tpas dia	Taps W	Price
ISO-TC820-M3	3. 15	2. 5		JIS-TC820-M3	4	3.2		DIN371-TC820-M3	3. 5	2.7	
ISO-TC820-M4	4	3. 15		JIS-TC820-M4	5	4		DIN371-TC820-M4	4.5	3.4	
ISO-TC820-M5	5	4		JIS-TC820-M5	5. 5	4.5		DIN371-TC820-M5	6	4.9	
ISO-TC820-M6	6. 3	5		JIS-TC820-M6	6	4.9		DIN371-TC820-M6	6	4.9	
ISO-TC820-M8	6.3	5		JIS-TC820-M8	6.2	5		DIN371-TC820-M8	8	6.2	
ISO-TC820-M10	8	6. 3		JIS-TC820-M10	7	5. 5		DIN371-TC820-M10	10	8	
ISO-TC820-M12	9	7. 1		JIS-TC820-M12	8. 5	6. 5		DIN376-TC820-M8	6	4.9	
ISO-TC820-M14	11. 2	9		JIS-TC820-M14	10. 5	8		DIN376-TC820-M10	7	5. 5	
ISO-TC820-M16	12. 5	10		JIS-TC820-M16	12. 5	10		DIN376-TC820-M12	9	7	
ISO-TC820-M18	14	11.2		JIS-TC820-M18	14	11		DIN376-TC820-M14	11	9	
ISO-TC820-M20	14	11.2		JIS-TC820-M20	15	12		DIN376-TC820-M16	12	9	
ISO-TC820-M22	16	12.5		JIS-TC820-M22	17	13		DIN376-TC820-M18	14	11	
ISO-TC820-M24	18	14		JIS-TC820-M24	19	15		DIN376-TC820-M20	16	12	
ISO-TC820-M27	20	16		JIS-TC820-M27	20	15		DIN376-TC820-M22	18	14.5	
ISO-TC820-M30	20	16		JIS-TC820-M30	23	17		DIN376-TC820-M24	18	14.5	
								DIN376-TC820-M27	20	16	
								DIN376-TC820-M30	22	18	

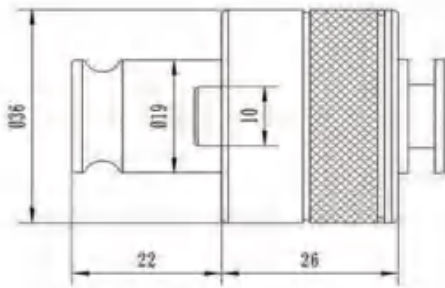
Tapping Accessory-Tapping Collet

TC1433 (ISO/JIS/DIN) with Overload Protection



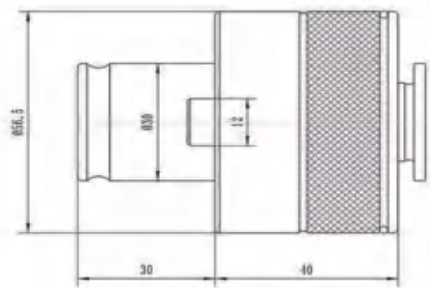
Model No.(ISO)	Tpas dia	Taps W	Price	Model No.(ISO)	Tpas dia	Taps W	Price	Model No.(ISO)	Tpas dia	Taps W	Price
ISO-TC1433-M24	18	14		JIS-TC1433-M24	19	15		DIN376-TC1433-M22	18	14.5	
ISO-TC1433-M27	20	16		JIS-TC1433-M27	20	15		DIN376-TC1433-M24	18	14.5	
ISO-TC1433-M30	20	16		JIS-TC1433-M30	23	17		DIN376-TC1433-M27	20	16	
ISO-TC1433-M33	22.4	18		JIS-TC1433-M33	25	19		DIN376-TC1433-M30	22	18	
ISO-TC1433-M36	25	20		JIS-TC1433-M36	28	21		DIN376-TC1433-M33	25	20	
ISO-TC1433-M39	28	22.4		JIS-TC1433-M39	30	23		DIN376-TC1433-M36	28	22	
ISO-TC1433-M42	28	22.4		JIS-TC1433-M42	32	26		DIN376-TC1433-M39	32	24	
ISO-TC1433-M45	31.5	25		JIS-TC1433-M45	35	26		DIN376-TC1433-M42	32	24	
ISO-TC1433-M48	31.5	25						DIN376-TC1433-M45	36	29	
ISO-TC1433-M52	35.5	28						DIN376-TC1433-M48	36	29	
ISO-TC1433-M56	35.5	28									

Tapping Accessory-Tapping Collet



GT12(ISO/JIS/DIN)with Overload

Model No.(ISO)	Tpas dia	Taps W	Price	Model No.(JIS)	Tpas dia	Taps W	Price	Model No.(DIN)	Tpas dia	Taps W	Price
ISO-GT12-M2	2.5	2		JIS-GT12-M2	3	2.5		DIN371-GT12-M3	3.5	2.7	
ISO-GT12-M2.5	2.8	2.24		JIS-GT12-M3	4	3.2		DIN371-GT12-M4	4.5	3.4	
ISO-GT12-M3	3.15	2.5		JIS-GT12-M4	5	4		DIN371-GT12-M5	6	4.9	
ISO-GT12-M4	4	3.15		JIS-GT12-M5	5.5	4.5		DIN371-GT12-M6	6	4.9	
ISO-GT12-M5	5	4		JIS-GT12-M6	6	4.9		DIN371-GT12-M8	8	6.2	
ISO-GT12-M6	6.3	5		JIS-GT12-M8	6.2	5		DIN371-GT12-M10	10	8	
ISO-GT12-M8	6.3	5		JIS-GT12-M10	7	5.5		DIN376-GT12-M8	6	4.9	
ISO-GT12-M10	8	6.3		JIS-GT12-M12	8.5	6.5		DIN376-GT12-M10	7	5.5	
ISO-GT12-M12	9	7.1		JIS-GT12-M14	10.5	8		DIN376-GT12-M12	9	7	
ISO-GT12-M14	11.2	9		JIS-GT12-M16	12.5	10		DIN376-GT12-M14	11	9	
ISO-GT12-M16	12.5	10						DIN376-GT12-M16	12	9	

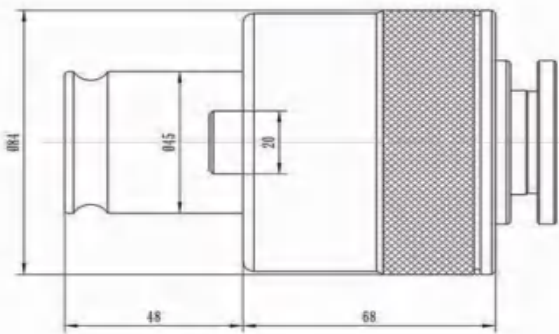


GT24(ISO/JIS/DIN) with Overload Protection

Model No.(ISO)	Tpas dia	Taps W	Pric	Model No.(JIS)	Tpas dia	Taps W	Price	Model No.(DIN)	Tpas dia	Taps W	Price
ISO-GT24-M3	3.15	2.5		JIS-GT24-M3	4	3.2		DIN371-GT24-M3	3.5	2.7	
ISO-GT24-M4	4	3.15		JIS-GT24-M4	5	4		DIN371-GT24-M4	4.5	3.4	
ISO-GT24-M5	5	4		JIS-GT24-M5	5.5	4.5		DIN371-GT24-M5	6	4.9	
ISO-GT24-M6	6.3	5		JIS-GT24-M6	6	4.9		DIN371-GT24-M6	6	4.9	
ISO-GT24-M8	6.3	5		JIS-GT24-M8	6.2	5		DIN371-GT24-M8	8	6.2	
ISO-GT24-M10	8	6.3		JIS-GT24-M10	7	5.5		DIN371-GT24-M10	10	8	
ISO-GT24-M12	9	7.1		JIS-GT24-M12	8.5	6.5		DIN376-GT24-M8	6	4.9	
ISO-GT24-M14	11.2	9		JIS-GT24-M14	10.5	8		DIN376-GT24-M10	7	5.5	
ISO-GT24-M16	12.5	10		JIS-GT24-M16	12.5	10		DIN376-GT24-M12	9	7	
ISO-GT24-M18	14	11.2		JIS-GT24-M18	14	11		DIN376-GT24-M14	11	9	
ISO-GT24-M20	14	11.2		JIS-GT24-M20	15	12		DIN376-GT24-M16	12	9	
ISO-GT24-M22	16	12.5		JIS-GT24-M22	17	13		DIN376-GT24-M18	14	11	
ISO-GT24-M24	18	14		JIS-GT24-M24	19	15		DIN376-GT24-M20	16	12	
ISO-GT24-M27	20	16		JIS-GT24-M27	20	15		DIN376-GT24-M22	18	14.5	
ISO-GT24-M30	20	16		JIS-GT24-M30	23	17		DIN376-GT24-M24	18	14.5	
								DIN376-GT24-M27	20	16	
								DIN376-GT24-M30	22	18	

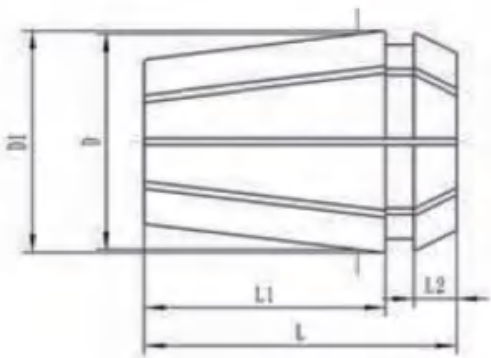
Tapping Accessory-Tapping Collet

GT42(ISO/JIS/DIN) with Overload Protection



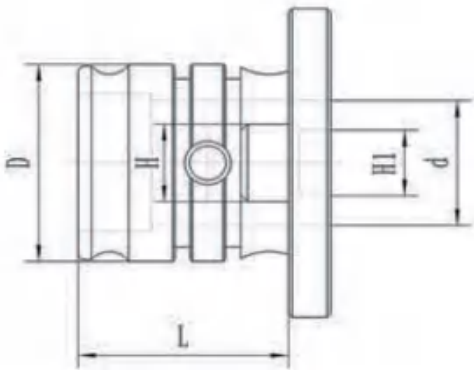
Model No.(ISO)	Tpas dia	Taps W	Price	Model No.(JIS)	Tpas dia	Taps W	Price	Model No.(DIN)	Tpas dia	Taps W	Price
ISO-GT42-M24	18	14		JIS-GT42-M24	19	15		DIN376-GT42-M22	18	14.5	
ISO-GT42-M27	20	16		JIS-GT42-M27	20	15		DIN376-GT42-M24	18	14.5	
ISO-GT42-M30	20	16		JIS-GT42-M30	23	17		DIN376-GT42-M27	20	16	
ISO-GT42-M33	22.4	18		JIS-GT42-M33	25	19		DIN376-GT42-M30	22	18	
ISO-GT42-M36	25	20		JIS-GT42-M36	28	21		DIN376-GT42-M33	25	20	
ISO-GT42-M39	28	22.4		JIS-GT42-M39	30	23		DIN376-GT42-M36	28	22	
ISO-GT42-M42	28	22.4		JIS-GT42-M42	32	26		DIN376-GT42-M39	32	24	
ISO-GT42-M45	31.5	25		JIS-GT42-M45	35	26		DIN376-GT42-M42	32	24	
ISO-GT42-M48	31.5	25						DIN376-GT42-M45	36	29	
ISO-GT42-M52	35.5	28						DIN376-GT42-M48	36	29	
ISO-GT42-M56	35.5	28									

ERG(ISO/JIS/DIN) Tapping Collet



Model No.	D	D1	L	L1	L2	Tapping Range	Price
ER16	16	16.17	27.5	21.2	4	M2-M12	
ER20	20	20.74	31.5	24.3	4.8	M3-M16	
ER25	25	25.74	34	26.5	5	M3-M20	
ER32	32	32.74	40	31.8	5.5	M3-M24	
ER40	40	40.74	46	35.5	7	M3-M30	

Tapping Accessory-Tapping Collet

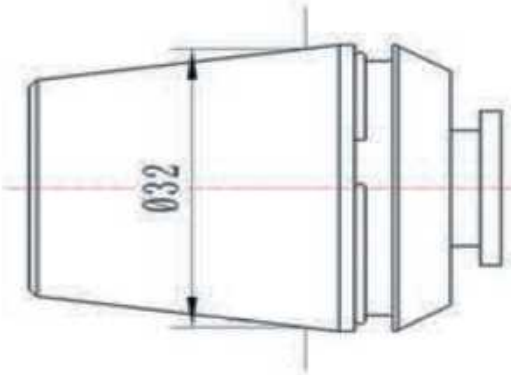


GT Tap Chuck Reducer

Model No.	D	d	L	H	H1	Price
GT24-GT12	30	19	30	12	10	
TC820-TC312	31	19	35	16	10	
GT42-GT24	45	30	48	20	12	
TC1433-TC820	48	31	55.5	25	16	
TC1433-GT24	48	30	55.5	25	12	



TER32 Collet with Overload Protection

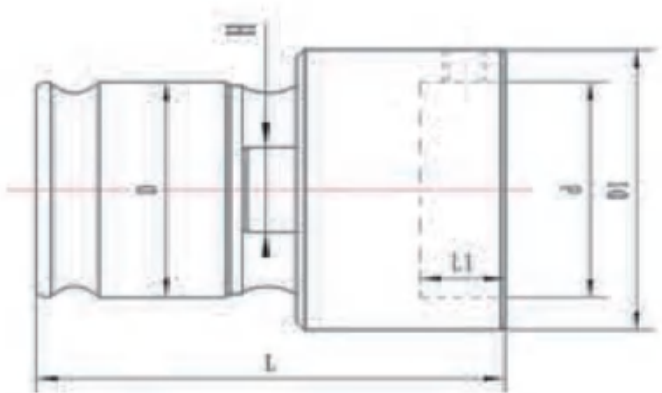


ISO-TER32	Tpas dia	Taps W	Tapping Range	Price
M3	3.15	25	M3-M12	
M4	4	3.15	M3-M12	
M5	5	4	M3-M12	
M6	6.3	5	M3-M12	
M8	6.3	5	M3-M12	
M10	8	6.3	M3-M12	
M12	9	7.1	M3-M12	

JIS-TER32	Tpas dia	Taps W	Tapping Range	Price
M3	4	3.2	M3-M12	
M4	5	4	M3-M12	
M5	5.5	4.5	M3-M12	
M6	6	4.5	M3-M12	
M8	6.2	5	M3-M12	
M10	7	5.5	M3-M12	
M12	8.5	6.5	M3-M12	

Tapping Accessory-Tapping Collet

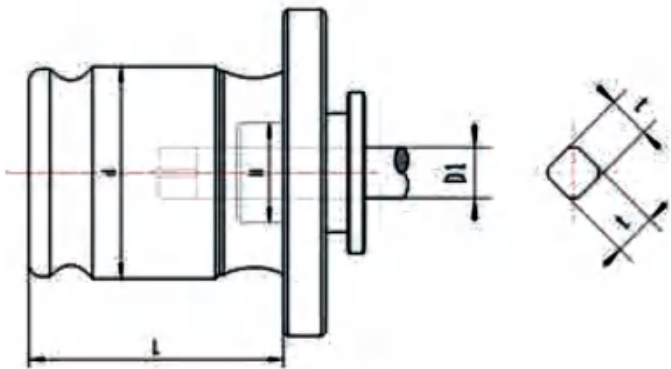
Round Die Tap holders



Tapping Collet	Tapping range	D	H	D1	d	L	L1	Max. Depth	Price
GT12	M3-M6	19	10	28	20	45	3.4	45	
GT12	M8	19	10	33	25	50	8.5	50	
GT12	M10	19	10	38	30	55	10	55	
GT12	M12-M14 rough	19	10	48	38	60	13	60	
GT12	M12-M14	19	10	48	38	60	9	60	
GT24	M3-M6	30	12	28	20	55	3.4	55	
GT24	M8	30	12	33	25	55	8.5	55	
GT24	M10	30	12	38	30	55	10	55	
GT24	M12-M14 rough	30	12	48	38	70	13	70	
GT24	M12-M14	30	12	48	38	70	9	70	
GT24	M16-M20 rough	30	12	58	45	90	18	90	
GT24	M16-M20	30	12	58	45	90	13	90	
GT24	M22-M24 rough	30	12	68	55	120	20	72	
GT24	M22-M24	30	12	68	55	120	15	72	
TC820	M3-M6	31	16	28	20	55	3.4	55	
TC820	M8	31	16	33	25	55	8.5	55	
TC820	M10	31	16	38	30	55	10	55	
TC820	M12-M14 rough	31	16	48	38	70	13	70	
TC820	M12-M14	31	16	48	38	70	9	70	
TC820	M16-M20 rough	31	16	58	45	90	18	90	
TC820	M16-M20	31	16	58	45	90	13	90	
TC820	M22-M24 rough	31	16	68	55	120	20	72	
TC820	M22-M24	31	16	68	55	120	15	72	

Tapping Accessory-Tapping Collet

Quick-change tapping collet



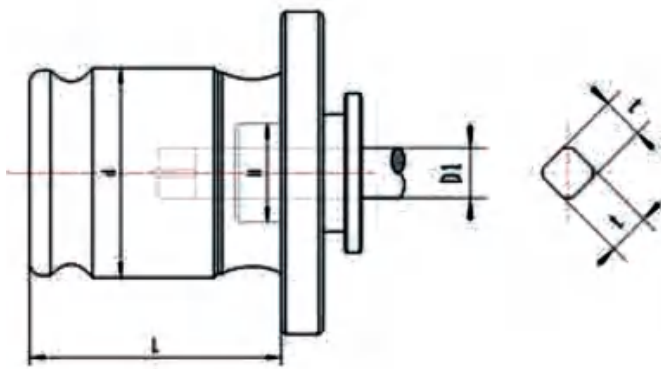
J4012 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M3	3.15	2.5		M3	4	3.2		19	10	21.5
M4	4	3.15		M4	5	4				
M5	5	4		M5	5.5	4.5				
M6	6.3	5		M6	6	4.5				
M8	6.3	5		M8	6.2	5				
M10	8	6.3		M10	7	5.5				
M12	9	7.1		M12	8.5	6.5				

J4016 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M5	5	4		M5	5.5	4.5		25	12	30
M6	6.3	5		M6	6	4.5				
M8	6.3	5		M8	6.2	5				
M10	8	6.3		M10	7	5.5				
M12	9	7.1		M12	8.5	6.5				
M14	11.2	9		M14	10.5	8				
M16	12.5	10		M16	12.5	10				

J4024 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M12	9	7.1		M12	8.5	6.5		30	12	30
M14	11.2	9		M14	10.5	8				
M16	12.5	10		M16	12.5	10				
M18	14	11.2		M18	14	11				
M20	14	11.2		M20	15	12				
M22	16	12.5		M22	17	13				
M24	18	14		M24	19	15				
M27	20	16		M27	20	15				
M30	20	16		M30	23	17				
M33	22.4	18		M33	25	19				
M36	25	20								

Tapping Accessory-Tapping Collet

Quick-change tapping collet

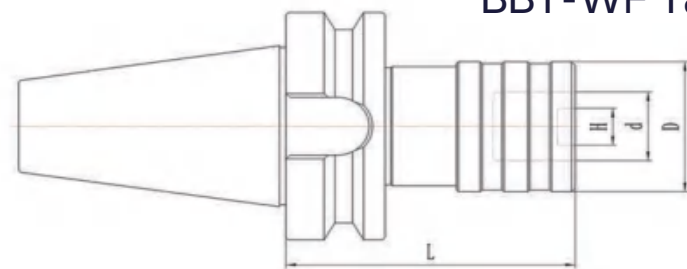


TC820 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M8	6.3	5		M8	6.2	5		31	16	35
M10	8	6.3		M10	7	5.5				
M12	9	7.1		M12	8.5	6.5				
M14	11.2	9		M14	10.5	8				
M16	12.5	10		M16	12.5	10				
M18	14	11.2		M18	14	11				
M20	14	11.2		M20	15	12				
M22	16	12.5		M22	17	13				
M24	18	14		M24	19	15				
M27	20	16		M27	20	15				
M30	20	16		M30	23	17				
M33	22.4	18		M33	25	19				
M36	25	20								

GT42 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M36	25	20						45	20	48
M39 M42	28	22.4								
M45 M48	31.5	25								

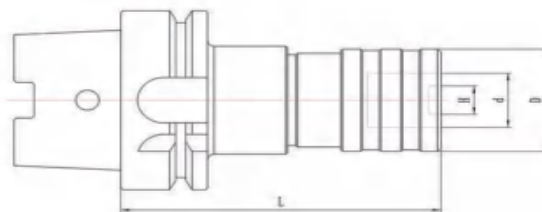
TC1433 Size Details										
ISO Standard	Taps size		Price	JIS Standard	Taps size		Price	Connection size		
	D1	t			D1	t		d	H	L
M36	25	20						48	25	55.5
M39 M42	28	22.4								
M45 M48	31.5	25								

Tapping Accessory-Tapping chuck



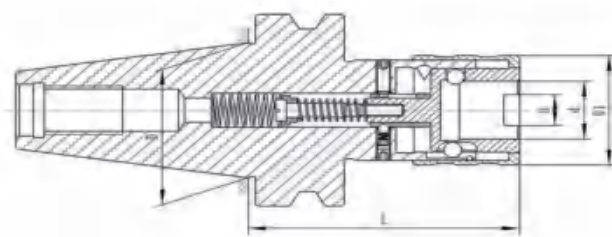
BBT-WF Tapping Chuck

Model No.	D	L	d	H	Tapping range	Axial Movement	Collet Name	Price
BBT40-WF12-70L	36	70	19	10	M1-M16	5-8	TC312 G3 G0312 GT12 J4012	
BBT40-WF20-96L	53	96	31	16	M3-M30	10-13	TC820	
BBT50-WF12-88L	36	88	19	10	M1-M16	5-8	TC312 G3 G0312 GT12 J4012	
BBT50-WF20-106L	53	106	31	16	M3-M30	10-13	TC820	



HSK-WF Tapping Chuck

Model No.	D	L	d	H	Tapping range	Axial Movement	Collet Name	Price
HSK63A-WF12-96L	36	96	19	10	M1-M16	5-8	TC312 G3 G0312 GT12 J4012	
HSK63A-WF20-138L	53	138	31	16	M3-M30	10-13	TC820	
HSK100A-WF12-100L	36	100	19	10	M1-M16	5-8	TC312 G3 G0312 GT12 J4012	
HSK100A-WF20-140L	53	140	31	16	M3-M30	10-13	TC820	

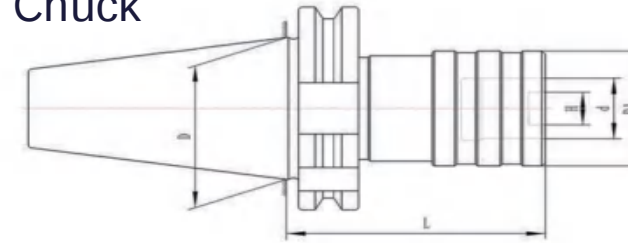


BT-WF Tapping Chuck

Model No.	D	D1	d	L	H	Tapping range	Axial Movement	Price
BT30-WF12-69L	31.8	36	19	69	10	M3-M12	5-5	
BT30-WF20-100L	31.8	53	31	100	16	M5-M30	12-12	
BT40-WF12-75L	44.5	36	19	75	10	M3-M12	5-5	
BT40-WF20-96L	44.5	53	31	96	16	M5-M30	12-12	
BT40-WF33-158L	44.5	78	48	158	25	M24-M42	20-20	
BT50-WF12-90L	69.9	36	19	90	10	M3-M12	5-5	
BT50-WF20-108L	69.9	53	31	108	16	M5-M30	12-12	
BT50-WF33-145L	69.9	78	48	145	25	M24-M42	20-20	
BT50-GT42-145L	69.9	78	45	145	20	M24-M42	20-20	

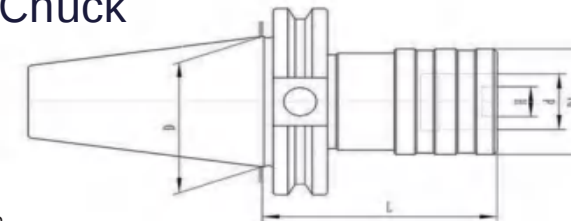
Tapping Accessory-Tapping chuck

SK-WF Tapping Chuck



Model No.	D	D1	d	L	H	Tapping range	Axial Movement	Price
SK30-WF12-70L	31.8	36	19	70	10	M3-M12	5-5	
SK30-WF20-102L	31.8	53	31	102	16	M5-M30	12-12	
SK40-WF12-65L	44.5	36	19	65	10	M3-M12	5-5	
SK40-WF20-88L	44.5	53	31	88	16	M5-M30	12-12	
SK40-WF33-160L	44.5	78	48	160	25	M24-M42	20-20	
SK50-WF12-65L	69.9	36	19	65	10	M3-M12	5-5	
SK50-WF20-90L	69.9	53	31	90	16	M5-M30	12-12	
SK50-WF33-147L	69.9	78	48	147	25	M24-M42	20-20	

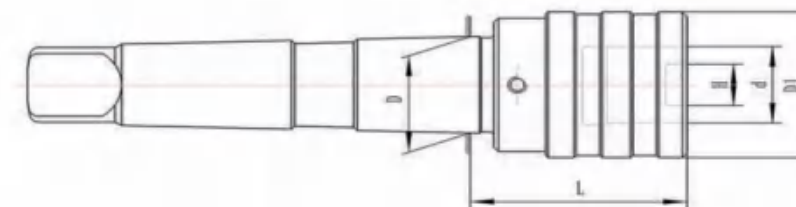
CAT-WF Tapping Chuck



<https://www.hoshingmetrology.com>

Model No.	D	D1	d	L	H	Tapping range	Axial Movement	Price
CAT30-WF12-75L	31.75	36	19	75	10	M3-M12	5-5	
CAT30-WF20-102L	31.75	53	31	102	16	M5-M30	12-12	
CAT40-WF12-65L	44.45	36	19	65	10	M3-M12	5-5	
CAT40-WF20-102L	44.45	53	31	102	16	M5-M30	12-12	
CAT40-WF33-155L	44.45	78	48	155	25	M24-M42	20-20	
CAT50-WF12-65L	69.85	36	19	65	10	M3-M12	5-5	
CAT50-WF20-88L	69.85	53	31	88	16	M5-M30	12-12	
CAT50-WF33-135L	69.85	78	48	135	25	M24-M42	20-20	

NMTA-WF Tapping Chuck

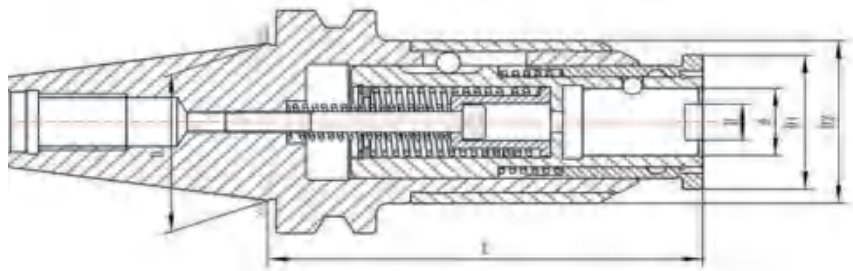


Model No.	D	D1	d	L	H	Tapping range	Axial Movement	Price
MTA2-WF12-46L	17.8	36	19	46	10	M3-M12	5-5	
MTA2-WF20-68L	17.8	53	31	68	16	M5-M30	12-12	
MTA3-WF12-46L	23.8	36	19	46	10	M3-M12	5-5	
MTA3-WF20-68L	23.8	53	31	68	16	M5-M30	12-12	
MTA4-WF12-48L	31.3	36	19	48	10	M3-M12	5-5	
MTA4-WF20-70L	31.3	53	31	70	16	M5-M30	12-12	
MTA5-WF20-70L	44.4	53	31	70	16	M5-M30	12-12	

Tapping Accessory-Tapping chuck



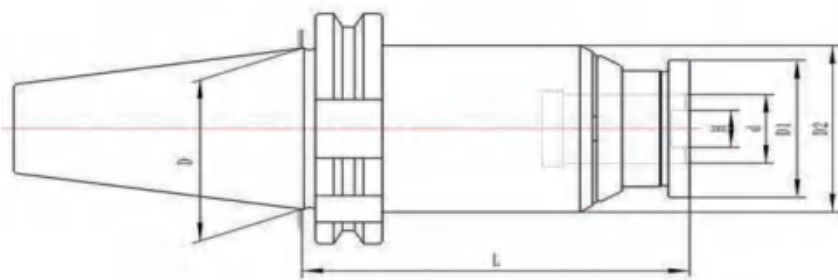
BT-GT Tapping Chuck



Model No.	D	D1	D2	d	L	H	Tapping range	Axial Movement	Price
BT30-GT12-125L	31.75	40	46	19	125	10	M1-M16	12-12	
BT40-GT12-110L	44.45	40	46	19	110	10	M1-M16	12-12	
BT40-GT24-130L	44.45	60	66	30	130	12	M5-M30	15-15	
BT50-GT12-110L	69.85	40	46	19	110	10	M1-M16	12-12	
BT50-GT24-130L	69.85	60	66	30	130	12	M5-M30	15-15	
BT50-GT42-180L	69.85	88	100	45	185	20	M24-M42	20-20	



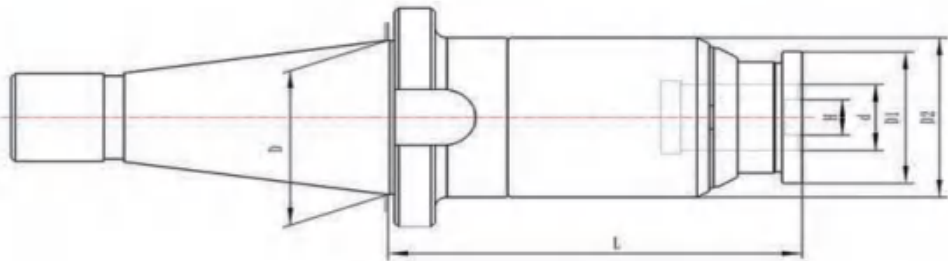
SK-GT Tapping Chuck



Model No.	D	D1	D2	d	L	H	Tapping range	Axial Movement	Price
SK30-GT12-125L	31.75	40	46	19	125	10	M1-M16	12-12	
SK40-GT12-110L	44.45	40	46	19	110	10	M1-M16	15-15	
SK40-GT24-130L	44.45	60	66	30	130	12	M5-M30	12-12	
SK50-GT12-110L	69.85	40	46	19	110	10	M1-M16	15-15	
SK50-GT24-130L	69.85	60	66	30	130	12	M5-M30	15-15	

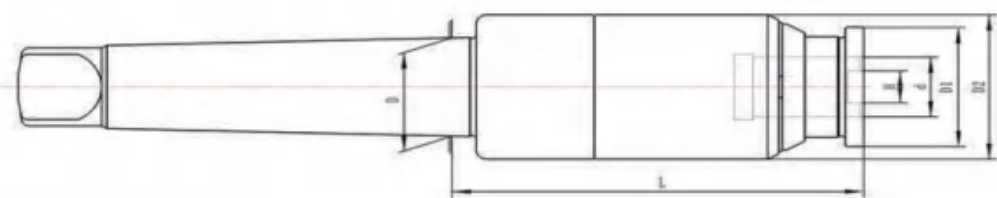
Tapping Accessory-Tapping chuck

NT-GT Tapping Chuck



Model No.	D	D1	D2	d	L	H	Tapping range	Axial Movement	Price
NT30-GT12-125L	31.75	40	46	19	125	10	M1-M16	12-12	
NT40-GT12-110L	44.45	40	46	19	110	10	M1-M16	12-12	
NT40-GT24-130L	44.45	60	66	30	130	12	M5-M30	15-15	
NT50-GT12-110L	69.85	40	46	19	110	10	M1-M16	12-12	
NT50-GT24-130L	69.85	60	66	30	130	12	M5-M30	15-15	

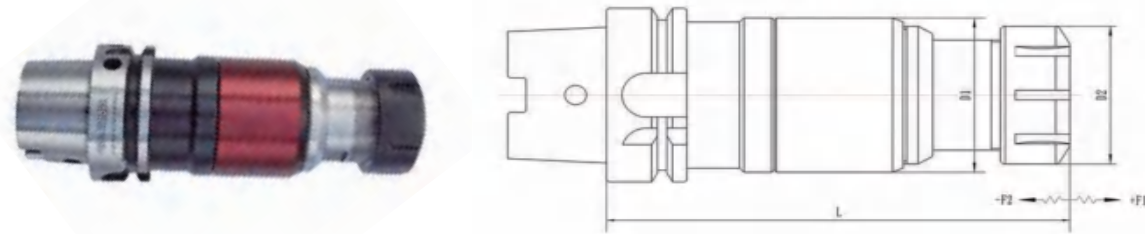
MT-GT Tapping Chuck



Model No.	D	D1	D2	d	L	H	Tapping range	Axial Movement	Price
MTA2-GT12-110L	17.78	40	46	19	no	10	M1-M16	12-12	
MTA3-GT12-110L	23.83	40	46	19	no	10	M1-M16	12-12	
MTA3-GT24-130L	23.83	60	66	30	130	12	M5-M30	15-15	
MTA4-GT12-110L	31.27	40	46	19	110	10	M1-M16	12-12	
MTA4-GT24-130L	31.27	60	66	30	130	12	M5-M30	15-15	
MTA5-GT12-110L	44.4	40	46	19	no	10	M1-M16	12-12	
MTA5-GT24-130L	44.4	60	66	30	130	12	M5-M30	15-15	

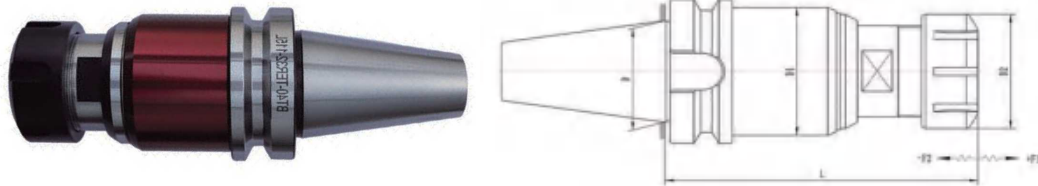
Tapping Accessory-apping Chuck

HSK-TER Tapping Chuck



Model No.	D1	D2	L	ial Movem	Collet type	Tapping Range	Price
HSK63A-TER32-150L	56	50	150	10-10	ERG32	M3-M24	
HSK100A-TER32-150L	56	50	150	10-10	ERG32	M3-M24	
HSK63A-TER32-165L	56	50	165	10-10	ERG32	M3-M24	
HSK63A-TER32-195L	56	50	195	10-10	ERG32	M3-M24	
HSK63A-TER32-215L	56	50	215	10-10	ERG32	M3-M24	
HSK63A-TER32-235L	56	50	235	10-10	ERG32	M3-M24	
HSK63A-TER32-265L	56	50	265	10-10	ERG32	M3-M24	
HSK100A-TER32-170L	56	50	170	10-10	ERG32	M3-M24	
HSK100A-TER32-200L	56	50	200	10-10	ERG32	M3-M24	
HSK100A-TER32-220L	56	50	220	10-10	ERG32	M3-M24	
HSK100A-TER32-240L	56	50	240	10-10	ERG32	M3-M24	
HSK100A-TER32-270L	56	50	270	10-10	ERG32	M3-M24	

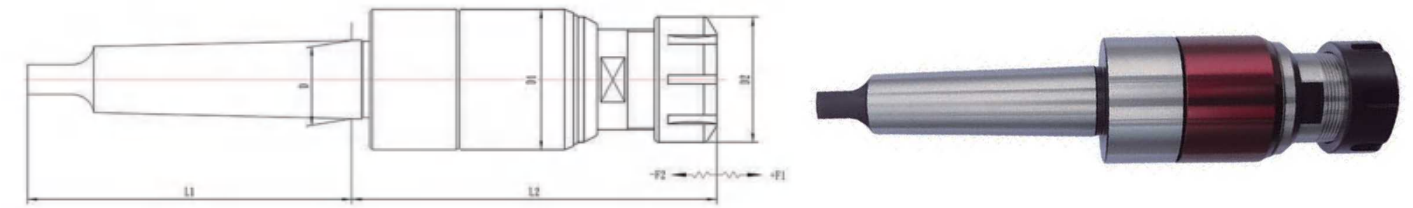
BT-TER Tapping Chuck



Model No.	D	D1	D2	L	Axial Movement	Collet type	Tapping Range	Price
BT30-TER16-107L	31.75	45	28	107	8-8	ERG 16	M2-M12	
BT30-TER20-110L	31.75	45	34	110	8-8	ERG20	M3-M16	
BT30-TER25-112L	31.75	45	42	112	8-8	ERG25	M3-M20	
BT30-TER32-140L	31.75	45	50	140	10-10	ERG32	M3-M24	
BT40-TER16-105L	44.45	45	28	105	8-8	ERG 16	M2-M12	
BT40-TER20-108L	44.45	45	34	108	8-8	ERG20	M3-M16	
BT40-TER25-110L	44.45	45	42	110	8-8	ERG25	M3-M20	
BT40-TER32-122L	44.45	56	50	122	10-10	ERG32	M3-M24	
BT40-TER32-140L	44.45	56	50	140	10-10	ERG32	M3-M24	
BT40-TER32-170L	44.45	56	50	170	10-10	ERG32	M3-M24	
BT40-TER32-190L	44.45	56	50	190	10-10	ERG32	M3-M24	
BT40-TER32-210L	44.45	56	50	210	10-10	ERG32	M3-M24	
BT40-TER32-240L	44.45	56	50	240	10-10	ERG32	M3-M24	
BT50-TER16-115L	44.45	45	28	115	8-8	ERG16	M2-M12	
BT50-TER20-118L	44.45	45	34	118	8-8	ERG20	M3-M16	
BT50-TER25-120L	44.45	45	42	120	8-8	ERG25	M3-M20	
BT50-TER32-135L	44.45	56	50	135	10-10	ERG32	M3-M24	
BT50-TER32-150L	44.45	56	50	150	10-10	ERG32	M3-M24	
BT50-TER32-180L	44.45	56	50	180	10-10	ERG32	M3-M24	
BT50-TER32-200L	44.45	56	50	200	10-10	ERG32	M3-M24	
BT50-TER32-220L	44.45	56	50	220	10-10	ERG32	M3-M24	
BT50-TER32-250L	44.45	56	50	250	10-10	ERG32	M3-M24	

Tapping Accessory-Tapping chuck

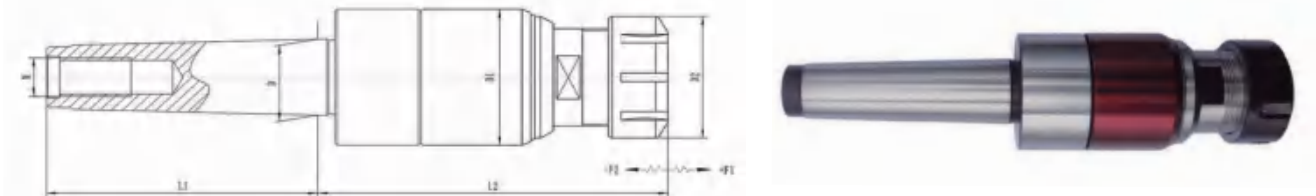
MTA-TER Tapping Chuck



Model No.	D	L1	D1	D2	L2	Axial Movement	Collet type	Tapping Range	Price
MTA2-TER16-101L	17.78	75	45	28	101	8-8	ERG 16	M2-M12	
MTA2-TER20-102L	17.78	75	45	34	102	8-8	ERG20	M3-M16	
MTA2-TER25-103L	17.78	75	45	42	103	8-8	ERG25	M3-M20	
MTA3-TER16-101L	23.825	94	45	28	101	8-8	ERG16	M2-M12	
MTA3-TER20-102L	23.825	94	45	34	102	8-8	ERG20	M3-M16	
MTA3-TER25-103L	23.825	94	45	42	103	8-8			
MTA3-TER32-131L	23.825	94	56	50	131	10-10	ERG25	M3-M20	
MTA4-TER16-103L	31.267	118	45	28	103	8-8	ERG16	M2-M12	
MTA4-TER20-104L	31.267	118	45	34	104	8-8	ERG20	M3-M16	
MTA4-TER25-105L	31.267	118	45	42	105	8-8	ERG25	M3-M20	
MTA4-TER32-132L	31.267	118	56	50	132	10-10	ERG32	M3-M24	
MTA5-TER32-132L	44.399	150	56	50	132	10-10	ERG32	M3-M24	

<https://www.hoshingmetrology.com>

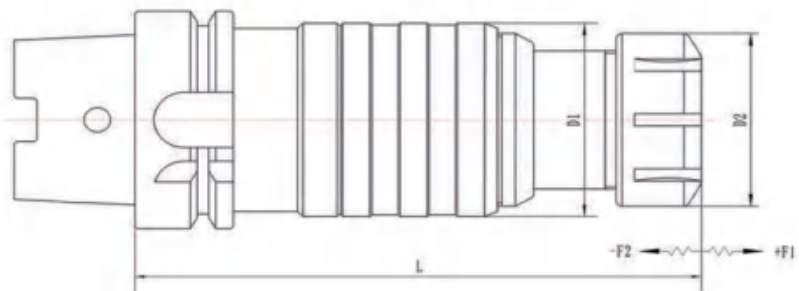
MTB-TER Tapping Chuck



Model No.	D	L1	D1	D2	L2	Axial Movement	Collet type	Tapping Range	Price
MTB2-TER16-101L	17.78	64	45	28	101	8-8	ERG 16	M2-M12	
MTB2-TER20-102L	17.78	64	45	34	102	8-8	ERG20	M3-M16	
MTB2-TER25-103L	17.78	64	45	42	103	8-8	ERG25	M3-M20	
MTB3-TER16-101L	23.825	81	45	28	101	8-8	ERG 16	M2-M12	
MTB3-TER20-102L	23.825	81	45	34	102	8-8	ERG20	M3-M16	
MTB3-TER25-103L	23.825	81	45	42	103	8-8			
MTB3-TER32-131L	23.825	81	56	50	131	10-10	ERG25	M3-M20	
MTB4-TER16-103L	31.267	103	45	28	103	8-8	ERG 16	M2-M12	
MTB4-TER20-104L	31.267	103	45	34	104	8-8	ERG20	M3-M16	
MTB4-TER25-105L	31.267	103	45	42	105	8-8	ERG25	M3-M20	
MTB4-TER32-132L	31.267	103	56	50	132	10-10	ERG32	M3-M24	
MTB5-TER32-132L	44.399	130	56	50	132	10-10	ERG32	M3-M24	

Tapping Accessory-Tapping chuck

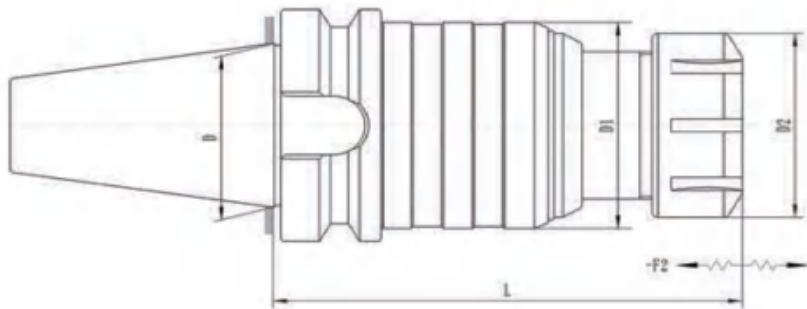
HSK-VER Tapping Chuck



Model No.	D1	D2	L	Axial Movement	Collet type	Tapping Range	Price
HSK63A-VER32-150L	56	50	150	0.4-10	ERG32	M3-M24	
HSK100A-VER32-150L	56	50	150	0.4-10	ERG32	M3-M24	
HSK63A-VER32-165L	56	50	165	0.4-10	ERG32	M3-M24	
HSK63A-VER32-195L	56	50	195	0.4-10	ERG32	M3-M24	
HSK63A-VER32-215L	56	50	215	0.4-10	ERG32	M3-M24	
HSK63A-VER32-235L	56	50	235	0.4-10	ERG32	M3-M24	
HSK63A-VER32-265L	56	50	265	0.4-10	ERG32	M3-M24	
HSK100A-VER32-170L	56	50	170	0.4-10	ERG32	M3-M24	
HSK100A-VER32-200L	56	50	200	0.4-10	ERG32	M3-M24	
HSK100A-VER32-220L	56	50	220	0.4-10	ERG32	M3-M24	
HSK100A-VER32-240L	56	50	240	0.4-10	ERG32	M3-M24	
HSK100A-VER32-270L	56	50	270	0.4-10	ERG32	M3-M24	

Tapping Accessory-Tapping chuck

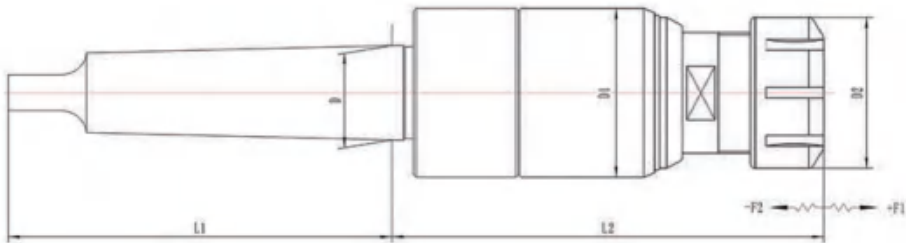
BT-VER Tapping Chuck



Model No.	D	D1	D2	L	Axial Movement	Collet type	Tapping Range	Price
BT30-VER16-107L	31.75	45	28	107	0.4-8	ERG16	M2-M12	
BT30-VER20-110L	31.75	45	34	110	0.4-8	ERG20	M3-M16	
BT30-VER25-112L	31.75	45	42	112	0.4-8	ERG25	M3-M20	
BT30-VER32-140L	31.75	45	50	140	0.4-10	ERG32	M3-M24	
BT40-VER16-105L	44.45	45	28	105	0.4-8	ERG16	M2-M12	
BT40-VER20-108L	44.45	45	34	108	0.4-8	ERG20	M3-M16	
BT40-VER25-110L	44.45	45	42	110	0.4-8	ERG25	M3-M20	
BT40-VER32-122L	44.45	56	50	122	0.4-10	ERG32	M3-M24	
BT40-VER32-140L	44.45	56	50	140	0.4-10	ERG32	M3-M24	
BT40-VER32-170L	44.45	56	50	170	0.4-10	ERG32	M3-M24	
BT40-VER32-190L	44.45	56	50	190	0.4-10	ERG32	M3-M24	
BT40-VER32-210L	44.45	56	50	210	0.4-10	ERG32	M3-M24	
BT40-VER32-240L	44.45	56	50	240	0.4-10	ERG32	M3-M24	
BT50-VER16-115L	44.45	45	28	115	0.4-8	ERG16	M2-M12	
BT50-VER20-118L	44.45	45	34	118	0.4-8	ERG20	M3-M16	
BT50-VER25-120L	44.45	45	42	120	0.4-8	ERG25	M3-M20	
BT50-VER32-135L	44.45	56	50	135	0.4-10	ERG32	M3-M24	
BT50-VER32-150L	44.45	56	50	150	0.4-10	ERG32	M3-M24	
BT50-VER32-180L	44.45	56	50	180	0.4-10	ERG32	M3-M24	
BT50-VER32-200L	44.45	56	50	200	0.4-10	ERG32	M3-M24	
BT50-VER32-220L	44.45	56	50	220	0.4-10	ERG32	M3-M24	
BT50-VER32-250L	44.45	56	50	250	0.4-10	ERG32	M3-M24	

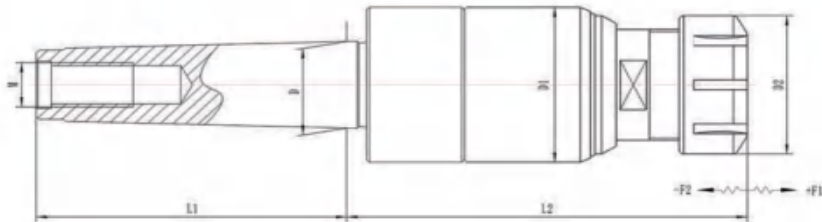
Tapping Accessory-Tapping chuck

MTA-VER Tapping Chuck



Model No.	D	L1	D1	D2	L2	Axial Movement	Collet type	Tapping Range	Price
MTA2-VER16-101L	17.78	75	45	28	101	0.4-8	ERG 16	M2-M12	
MTA2-VER20-102L	17.78	75	45	34	102	0.4-8	ERG20	M3-M16	
MTA2-VER25-103L	17.78	75	45	42	103	0.4-8	ERG25	M3-M20	
MTA3-VER16-101L	23.825	94	45	28	101	0.4-8	ERG16	M2-M12	
MTA3-VER20-102L	23.825	94	45	34	102	0.4-8	ERG20	M3-M16	
MTA3-VER25-103L	23.825	94	45	42	103	0.4-8			
MTA3-VER32-131L	23.825	94	56	50	131	0.4-10	ERG25	M3-M20	
MTA4-VER16-103L	31.267	118	45	28	103	0.4-8	ERG16	M2-M12	
MTA4-VER20-104L	31.267	118	45	34	104	0.4-8	ERG20	M3-M16	
MTA4-VER25-105L	31.267	118	45	42	105	0.4-8	ERG25	M3-M20	
MTA4-VER32-132L	31.267	118	56	50	132	0.4-10	ERG32	M3-M24	
MTA5-VER32-132L	44.399	150	56	50	132	0.4-10	ERG32	M3-M24	

MTB-VER Tapping Chuck

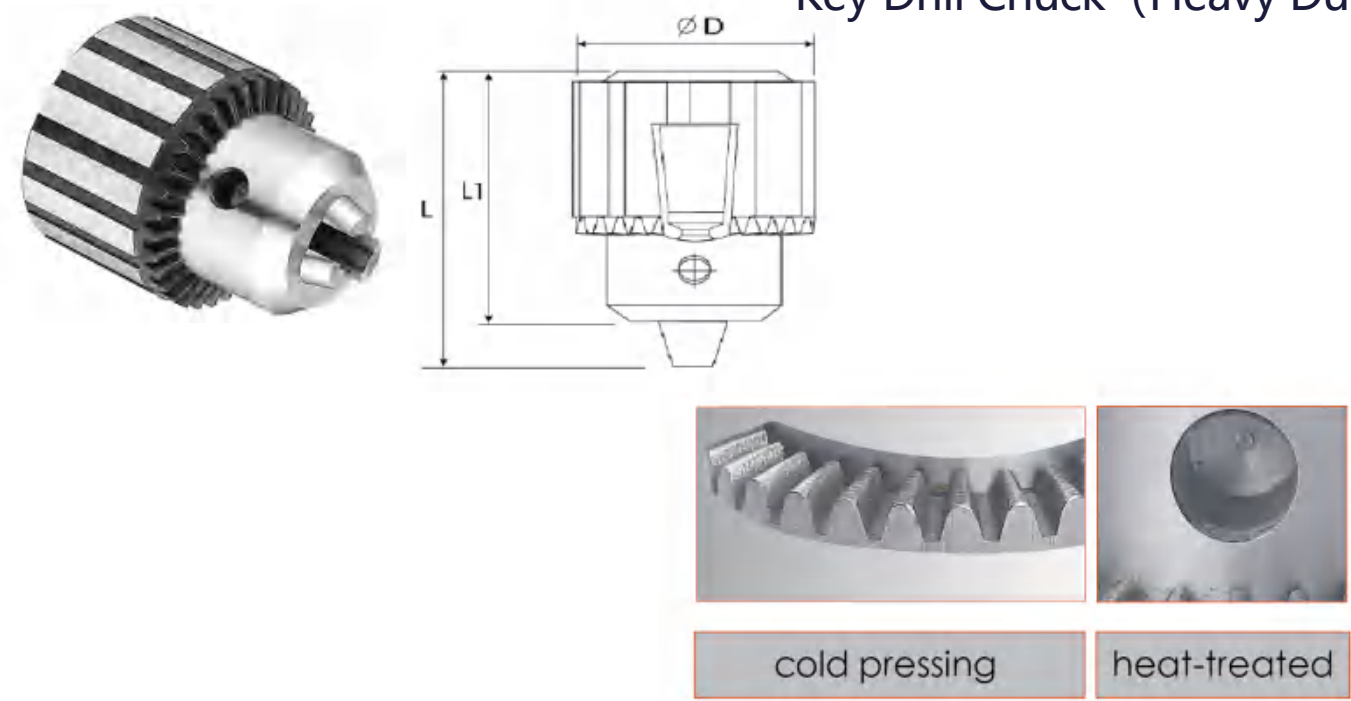


Model No.	D	L1	D1	D2	L2	Axial Movement	Collet type	Tapping Range	Price
MTB2-VER16-101L	17.78	64	45	28	101	0.4-8	ERG 16	M2-M12	
MTB2-VER20-102L	17.78	64	45	34	102	0.4-8	ERG20	M3-M16	
MTB2-VER25-103L	17.78	64	45	42	103	0.4-8	ERG25	M3-M20	
MTB3-VER16-101L	23.825	81	45	28	101	0.4-8	ERG 16	M2-M12	
MTB3-VER20-102L	23.825	81	45	34	102	0.4-8	ERG20	M3-M16	
MTB3-VER25-103L	23.825	81	45	42	103	0.4-8			
MTB3-VER32-131L	23.825	81	56	50	131	0.4-10	ERG25	M3-M20	
MTB4-VER16-103L	31.267	103	45	28	103	0.4-8	ERG 16	M2-M12	
MTB4-VER20-104L	31.267	103	45	34	104	0.4-8	ERG20	M3-M16	
MTB4-VER25-105L	31.267	103	45	42	105	0.4-8	ERG25	M3-M20	
MTB4-VER32-132L	31.267	103	56	50	132	0.4-10	ERG32	M3-M24	
MTB5-VER32-132L	44.399	130	56	50	132	0.4-10	ERG32	M3-M24	

Drilling Accessory

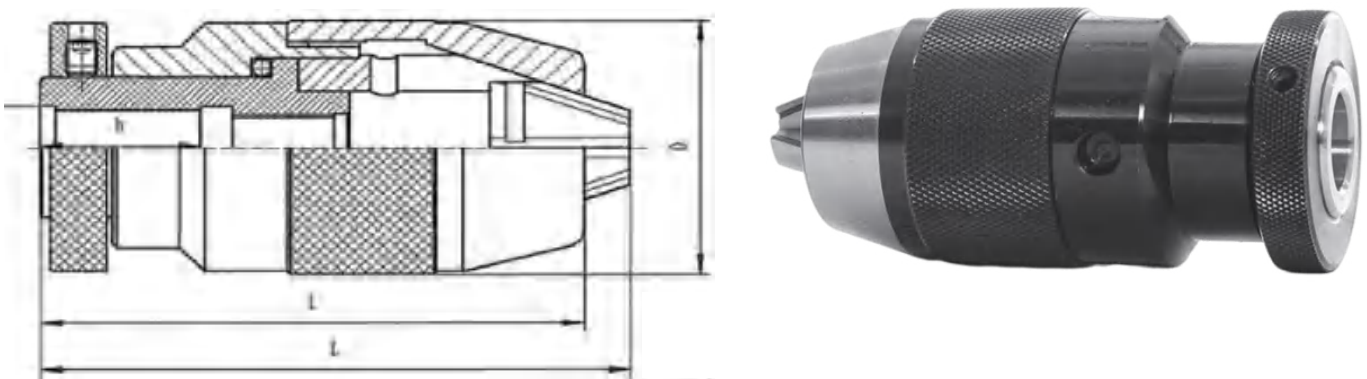


Key Drill Chuck (Heavy Duty)



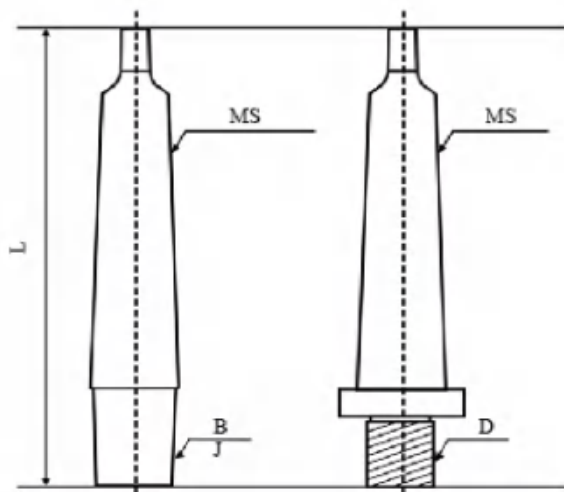
Model No.	Clamping Range		Taper Mount	D mm	L1 mm	L mm	Accuracy	Price
	mm	Inch						
D2106H	0.6-6	1/64-1/4	B10	31.5	42	50	0.18	
D2110H	1.0-10	1/32-3/8	B12	43	53	69	0.18	
D2113H	1.0-13	1/32-1/2	B16	53	69 ± 0.5	87	0.18	
D2116M	3.0-16	1/8-5/8	B16	53	69	87	0.18	
D2116M	3.0-16	178-5/8	B18	53	69	87	0.18	
D2116H	1.0-16	1/32-5/8	B16	57	77.5	95	0.18	
D2116H	1.0-16	1/32-5/8	B18	57	77.5	95	0.18	
D2120H	5.0-20	3/16-3/4	B22	65	84	106	0.18	
D2106H	0.6-6	1/64-1/4	JT1	31.5	42	50	0.18	
D2110H	1.0-10	1/32-3/8	JT2	43	53	69	0.18	
D2113H	1.0-13	1/32-1/2	JT33	53	69.5	87	0.18	
D2113H	1.0-13	1/32-1/2	JT6	53	69.5	87	0.18	
D2116M	3.0-16	1/8-5/8	JT3	53	69.5	87	0.18	
D2116M	3.0-16	178-5/8	JT33	53	69.5	87	0.18	
D2116M	3.0-16	1/8-5/8	JT6	53	69.5	87	0.18	
D2116H	1.0-16	1/32-5/8	JT3	57	77.5	95	0.18	
D2119H	1.0-19	1/32-3/4	JT4	68	97	120	0.18	
D2120H	5.0-20	3/16-3/4	JT3	65	84	106	0.18	

Heavy Duty Keyless Drill Chuck



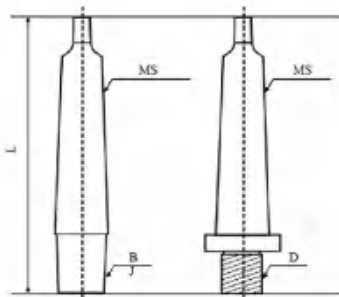
Model No.	Clamping Range	Taper Mount	d	h	D	L	I	Price
DH0120	1-20	B22	21.793	40.5	62	134	120	
DH0220	1/32-3/4"	JT3	20.599	30.956	62	134	120	
DH0116	1-16	B16	15.733	24	54	114	105	
		B18	17.78	32	54	114	105	
DH0216	1/32-5/8"	JT6	17.17	25.4	54	114	105	
		JT3	20.599	30.956	54	114	105	
DH0113	1-13	B16	15.733	24	49	105	96	
		B12	12.065	18.5	49	105	96	
DH0213	1/32-1/2"	JT6	17.17	25.4	49	105	96	
		JT33	15.85	25.4	49	105	96	
DH0110	1-10	B16	15.733	24	42	90	82	
		B18	12.065	18.5	42	90	82	
DH0210	1/32-3/8"	JT2	14.199	22.225	42	90	82	
		JT33	10.094	14.5	42	90	82	
DH0108	0.5-8	B12	12.065	18.5	42	90	82	
DH0208	1/64-5/16"	JT2	14.199	22.225	42	90	82	
DH0210	1/32-3/8"	JT2	14.199	22.225	42	90	82	
		JT33	10.094	14.5	42	90	82	
DH0106	0.5-6	B10	10.094	14.5	35	67	62	
		B12	12.065	18.5	35	67	62	
DH0206	1/32-1/4"	JT0	6.35	11.112	35	67	62	
		JT1	9.754	16.669	35	67	62	
DH0204	0.5-4	JT0	6.35	11.112	28	50	45	
DH0203	0.5-3	JT0	6.35	11.112	24	48	43	

Morse taper Drill Chuck Arbors with tang



Model No.	MS(NO)	Type	B(DIN)	J(JACOBS)	D(UNF)	L(mm)	N.W.(g)	Price
F181010	1	MS1xB10	B10			86	57	
F181011		MS1xB12	B12			89	65	
F181012		MS1xB16	B16			99	91	
F181013		MS1xB18	B18			107	124	
F181014		MS1xJ0		J0		81	47	
F181015		MS1xJ1		J1		86.5	53	
F181016		MS1xJ2		J2		92	71	
F181017		MS1xJ33		J33		95	82	
F181018		MS1xJ6		J6		95	124	
F181110		MS2xB10	B10			102	129	
F181111	2	MS2xB12	B12			113	138	
F181112		MS2xB16	B16			121	163	
F181113		MS2xB18	B18			126	196	
F181114		MS2xB22	B22			97	247	
F181115		MS2xJ0		J0		102	120	
F181116		MS2xJ1		J1		108	126	
F181117		MS2xJ2		J2		111	143	
F181118		MS2xJ33		J33		111	154	
F181119		MS2xJ6		J6		112	162	
F181120		MS2xJ3		J3		124	196	
F181121		MS2xJ4		J4		126.5	197	
F181122		MS2xJ5		J5		130	198	
F181123		MS2x (3/8"-24)			3/8"-24UNF	105	130	
F181124		MS2x(1/2 " -20)			1/2 " -20UNF	107	135	
F181125		MS2x (5/8"-16)			58-16UN	125	145	

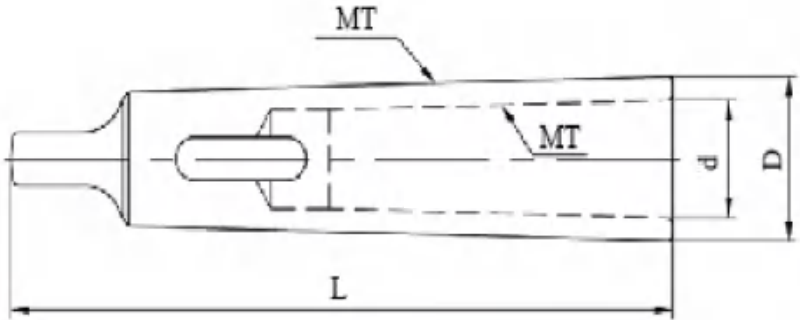
Morse taper Drill Chuck Arbors with tang



Model No.	MS(NO)	Type	B(DIN)	J(JACOBS)	D(UNF)	L(mm)	N.W.(g)	Price
F181210	3	MS3xB12	B12			125	283	
F181211		MS3xB16	B16			134	309	
F181212		MS3xB18	B18			140	341	
F181213		MS3xB22	B22			147	393	
F181214		MS3xB24	B24			157	436	
F181215		MS3xJ1		J1		120.5	271	
F181216		MS3xJ2		J2		126	288	
F181217		MS3xJ33		J33		129	300	
F181218		MS3xJ6		J6		129	307	
F181219		MS3xJ3		J3		135	341	
F181220	4	MS3xJ4		J4		146	456	
F181221		MS3xJ5		J5		149	457	
F181222		MS3x(3/8"-24)			3/8"-24UNF	124	285	
F181223		MS3x(1-2"-20)			1/2"-20UNF	126	290	
F181224	5	MS3x(5/8"-16)			5/8"-16UN	157	300	
F181310		MS4xB16	B16			159	621	
F181311		MS4xB18	B18			168	654	
F181312		MS4xB22	B22			176	705	
F181313		MS4xB24	B24			186	749	
F181314		MS4xJ2		J2		149	601	
F181315		MS4xJ33		J33		155	612	
F181316		MS4xJ6		J6		155	619	
F181317		MS4xJ3		J3		161	654	
F181318		MS4xJ4		J4		172	778	
F181319	6	MS4xJ5		J5		174	935	
F181410		MS5xB16	B16			196	1505	
F181411		MS5xB18	B18			205	1564	
F181412		MS5xB22	B22			213.5	1615	
F181413		MS5xB24	B24			221	1658	
F181414		MS5xJ33		J33		184	1563	
F181415		MS5xJ6		J6		184	1688	
F181416		MS5xJ3		J3		190	1845	
F181417		MS5xJ4		J4		201	1846	
F181418		MS5xJ5		J5		206	1847	

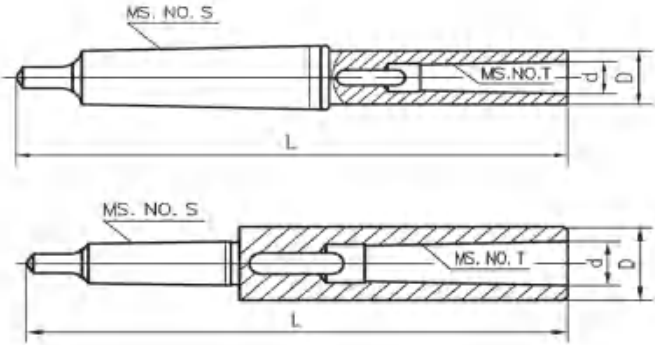


Morse Taper Sleeve With Tang



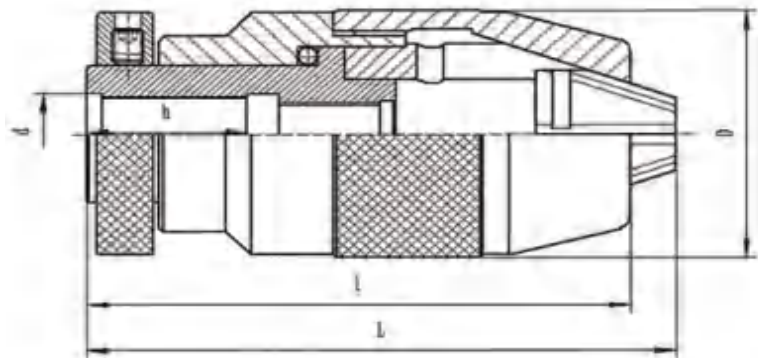
Model No.	Type	MT Shank K	MT Hole K1	D	d	L(mm)	Price
F201010	S/T1-0	1	0	13	9.045	80	
F201110	S/T2-1	2	1	18.6	12.065	92	
F201210	S/T3-1		1	24.1	12.065	99	
F201211	S/T3-2	3	2	24.7	17.78	112	
F201310	S/T4-1		1	31.6	12.065	124	
F201311	S/T4-2		2		17.78		
F201312	S/T4-3	4	3	32.4	23.825	140	
F201410	S/T5-1		1		12.065		
F201411	S7T5-2		2	44.7	17.78	156	
F201412	S/T5-3		3		23.825		
F201413	S/T5-4	5	4		31.267		
F201510	S/T6-1		1	45.5	12.065	171	
F201511	S/T6-2		2		17.78		
F201512	S/T6-3		3		23.825		
F201513	S/T6-4	6	4	63.8	31.267	218	
F201514	S/T6-5		5		44.399		

Morse Taper Extension Socket



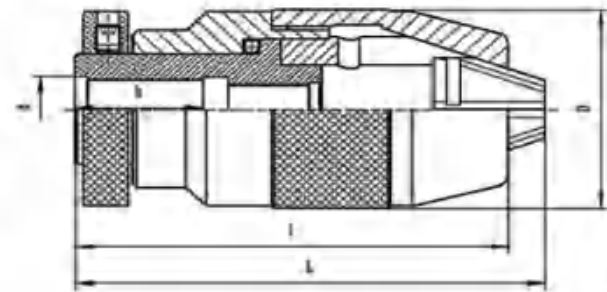
Model No.	MS.NO.S	MS.NO.T	D(mm)	d(mm)	L(mm)	Wt(kg)	Accuracy (mm)	Price
BL1-1	1	1	20	12.065	145	0.19	0.03	
BL1-2		2	30	17.78	160	0.4		
BL1-3		3	36	23.825	181	0.4		
BL2-1	2	1	20	12.065	160	0.29		
BL2-2		2	30	17.78	175	0.5		
BL2-3		3	36	23.825	196	0.6		
BL2-4		4	48	31.267	221	1.43		
BL3-1	3	1	20	12.065	175	0.41		
BL3-2		2	30	17.78	194	0.62		
BL3-3		3	36	23.825	215	0.89		
BL3-3A		3	40	23.825	215	1.1		
BL3-4		4	48	31.267	240	1.55		
BL3-5	4	5	63	44.399	275	2.8		
BL4-1		1	20	12.065	200	0.81	0.05	
BL4-2		2	30	17.78	215	1		
BL4-3		3	36	23.825	240	1.27		
BL4-4		4	48	31.267	265	1.93		
BL4-5		5	63	44.399	300	3.18		
BL4-6	5	6	85	63.348	368	6.5		
BL5-1		1	20	12.065	232	1.79	0.04	
BL5-2		2	30	17.78	247	2		
BL5-3		3	36	23.825	268	2.27		
BL5-4		4	48	31.267	300	2.93		
BL5-5		5	63	44.399	335	4.18		
BL5-6	6	6	85	63.348	403	6.7	0.05	
BL6-1		1	20	12.065	294	4.4		
BL6-2		2	30	17.78	309	4.25		
BL6-3		3	36	23.825	330	4.52		
BL6-4		4	48	31.267	355	5.18		
BL6-5		5	63	44.399	390	6.43		

Light Duty Keyless Drill Chuck



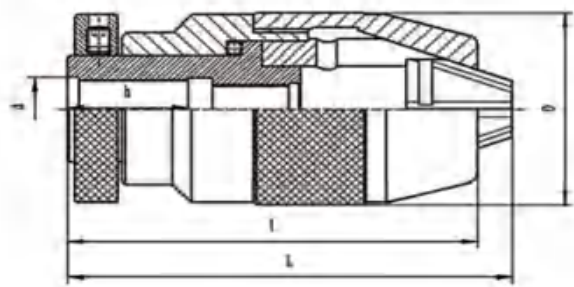
Model No.	Clamping Range	Taper Mount	d	h	D	L	I	Price
DL0120	5-20	B22	21.793	40.5	54	121	112	
DL0220	3/16-3/4"	JT3	20.599	30.956	54	114	105	
DL0116	1-16	B18	17.78	32	49	112	101	
DL0216	1/32-5/8"	B18	17.78	32	54	114	105	
DL011611	1-16	B16	15.733	24	49	105	96	
DL021611	1/32-5/8"	JT6	17.17	25.4	49	105	96	
DL0113	1-13	B16	15.733	24	44	97	88	
		B12	12.065	18.5	44	97	88	
DL0213	1/32-1/2"	JT6	17.17	25.4	44	97	88	
		JT33	15.85	25.4	44	97	88	
DL0110	1-10	B16	15.733	24	42	90	82	
		B12	12.065	18.5	42	90	82	
DL0210	1/32-3/8"	JT2	14.199	22.225	42	90	82	
		JT33	15.85	25.4	42	90	82	
DL0108	0.5-8	B12	12.065	18.5	42	90	82	
DL0208	1/64-5/16	JT2	14.199	22.225	42	90	82	
DL0106	0.5-6	B10	10.094	14.5	35	67	62	
		B12	12.065	18.5	35	67	62	
DL0206	1/32-1/4 "	JT0	6.35	11.112	35	67	62	
		JT1	9.754	16.669	35	67	62	
DL0204	0.5-4	JT0	6.35	11.112	28	50	45	
DL0203	0.5-3	JT0	6.35	11.112	24	48	43	

Thread Keyless Drill Chuck



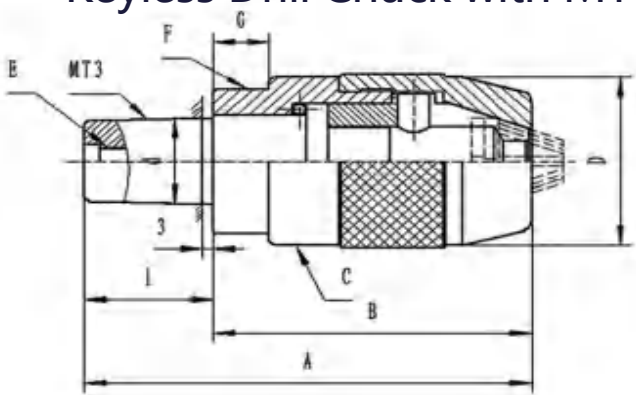
Model No.	Clamping Range	Taper Mount	h	D	L	I	Price
DJ0316	3-16 1/8-5/8"	M16x1.5	18	44	86	80	
		M12x1.25	16				
		5/8-16UN	18				
		1/2-20UNF	16				
DJ0313	1-13 1/32-1/2"	M12x1.25	16	40	86	80	
		M10x1	14				
		1/2-20UNF	16				
		3/8-24UNF	14				
DJ0310	1-10 1/32-3/8"	M12x1.25	16	40	86	80	
		M10x1	14				
		1/2-20UNF	16				
		3/8-24UNF	14				
DJ0306	0.5-6 1/64-1/4"	M10x1	14	35	67	62	
		3/8-24UNF	14				

Keyless Drill Chuck With Lock



Model No.	Clamping Range		d	h	D	L	I	Price
DS0116	1-16	B16	24	24	49	105	96	
DS0316	3-16 1/8-5/8"	M16X1.5	18	44	44	86	86	80
		M12x1.25	16					
		5/8-16UN	18					
		1/2-20UNF	16					
DS0313	1-13 1/32-1/2"	M12x1.25	16	40	40	86	86	80
		M10X1	14					
		1/2-20UNF	16					
		3/8-24UNF	14					
DS0310	1-10 1/32-3/8"	M12x1.25	16	40	40	86	86	80
		M10x1	14					
		1/2-20UNF	16					
		3/8-24UNF	14					
DS0306	0.5-6 1/64-1/4"	M10x1	14	35	35	67	67	62
		3/8-24UNF	14					

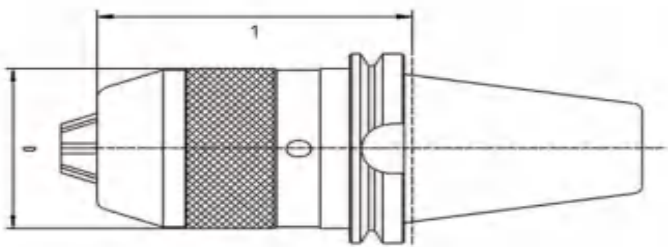
Keyless Drill Chuck with MT Shank



Model No.	Clamping Range	Shank Taper	I	A	B	C	D	E	F	G	Price
DBJ0108	0. 5-8	MT2	24	84	59.5	36	37	M6	30	10.5	
DBJ0110	0. 5-10	MT2	24	94	70	41	42	M6	34	10.5	
DBJ0113	1-13	MT3	27	111	84	48	49	M8	38	15	
DBJ0113	1-13	MT2	24	108	84	48	49	M6	36	14	
DBJ0116	1-16	MT3	27	118	91	53	54	M8	43	16	
DBJ0116	1-16	MT2	24	115	91	53	54	M6	43	16	
DBJ0120	1-20	MT3	27	129	102	61	62	M8	43	16	

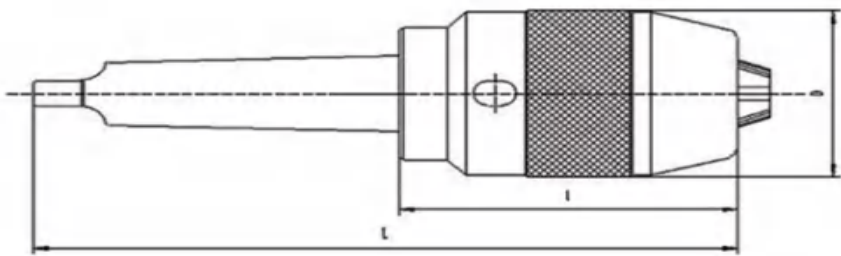


Keyless Drill Chuck with BT Shank



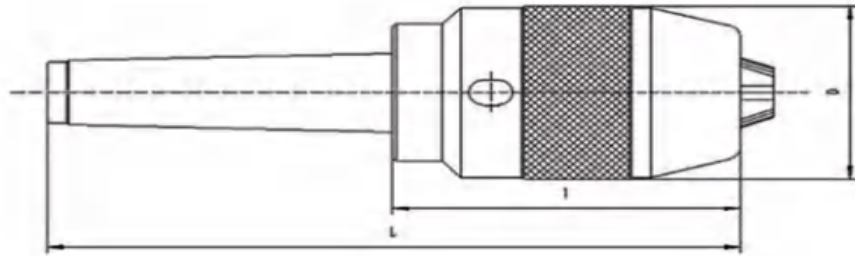
ModelNo.	Clamping Range	D	L	Price
BT30-APU08	0.5-8	37	80	
BT30-APU13	1-13	49	110	
BT30-APU16	1-16	54	120	
BT40-APU08	0.5-8	37	90	
BT40-APU13	1-13	49	110	
BT40-APU16	1-16	54	120	
BT50-APU13	1-13	49	110	
BT50-APU13-180	1-13	49	180	
BT50-APU16	1-16	54	120	
BT50-APU16-180	1-16	54	180	

Keyless Drill Chuck with MTA Shank



Model No.	Clamping Range	Shank Taper	I	D	L	Price
MTA2-APU07	0.5-8	MTA2	59. 5	0 37	139.5	
MTA2-APU10	0.5-10	MTA2	70	42	150	
MTA2-APU13	1-13	MTA2	84	54	164	
MTA3-APU13	1-13	MTA3	84	54	183	
MTA4-APU13	1-13	MTA4	84	54	208	
MTA5-APU13	1-13	MTA5	89	54	242	
MTA2-APU16	1-16	MTA2	89	54	169	
MTA3-APU16	1-16	MTA3	89	54	188	
MTA4-APU16	1-16	MTA4	89	54	213	
MTA5-APU16	1-16	MTA5	100	54	253	

Keyless Drill Chuck with MTA Shank



Model No.	Clamping Range	Shank Taper	I	D	L	Price
MTB2-APU08	0.5-8	MTB2	59.5	37	128.5	
MTB2-APU10	0.5-10	MTB2	70	42	139	
MTB2-APU13	1-13	MTB2	84	54	153	
MTB3-APU13		MTB3	84	54	170	
MTB4-APU13		MTB4	84	54	193	
MTB5-APU13	1-16	MTB5	89	54	225	
MTB2-APU16		MTB2	89	54	158	
MTB3-APU16		MTB3	89	54	175	
MTB4-APU16		MTB4	89	54	198	
MTB5-APU16		MTB5	100	54	236	

Clamping Accessory



Clamping Kit

58pcs Clamping kit



Model No.	Stud Size	T-Slot Size	Price	Model No.	Stud Size	T-Slot Size	Price
CK-001	M6x8MM	8MM		CK-009	M14x18MM	18MM	
CK-002	M8x10MM	10MM		CK-010	M16x18MM	18MM	
CK-003	M8x12MM	12MM		CK-011	M16x20MM	20MM	
CK-004	M10x12MM	12MM		CK-012	M18x20MM	20MM	
CK-005	M10x14MM	14MM		CK-013	M20x22MM	22MM	
CK-006	M12x14MM	14MM		CK-014	M22x26MM	26MM	
CK-007	M12x16MM	16MM		CK-015	M24x28MM	28MM	
CK-008	M14x16MM	16MM		CK-016	M30x36MM	36MM	

Model No.	Stud Size	T-Slot Size	Price	Model No.	Stud Size	T-Slot Size	Price
CK-017	5/16"-18x3/8"	3/8 "		CK-026	1/2"-13x5/8"	5/8"	
CK-018	5/16"-18x7/16"	7/16"		CK-027	1/2"-13x11/16"	11/16"	
CK-019	3/8"-16x7/16"	7/16"		CK-028	5/8"-11x11/16"	11/16"	
CK-020	3/8"-16 x1/2"	1/2"		CK-029	5/8"-11x3/4"	3/4"	
CK-021	3/8"-16x9/16"	9/16"		CK-030	5/8"-11x13/16"	13/16"	
CK-022	1/2"-12x9/16"	9/16"		CK-031	3/4"-10x7/8"	7/8"	
CK-023	1/2"-12x5/8"	5/8"		CK-032	3/4"-10x13/16"	13/16"	
CK-024	1/2"-12x11/16"	11/16"		CK-033	3/4"-10x1"	1"	
CK-025	1/2"-13x9/16"	9/16"		CK-034	7/8"-9x1"	1"	
				CK-035	7/8"-9x13/16"	13/16"	

Clamping Kit

42pcs Clamping kit



Model No.	Stud Size	T-Slot Size	Price	Model No.	Stud Size	T-Slot Size	Price
CK-001	M6x8MM	8MM		CK-009	M14x18MM	18MM	
CK-002	M8x10MM	10MM		CK-010	M16x18MM	18MM	
CK-003	M8x12MM	12MM		CK-011	M16x20MM	20MM	
CK-004	M10x12MM	12MM		CK-012	M18x20MM	20MM	
CK-005	M10x14MM	14MM		CK-013	M20x22MM	22MM	
CK-006	M12x14MM	14MM		CK-014	M22x26MM	26MM	
CK-007	M12x16MM	16MM		CK-015	M24x28MM	28MM	
CK-008	M14x16MM	16MM		CK-016	M30x36MM	36MM	

Model No.	Stud Size	T-Slot Size	Price	Model No.	Stud Size	T-Slot Size	Price
CK-017	5/16"-18x3/8"	3/8 "		CK-026	1/2"-13x5/8"	5/8"	
CK-018	5/16"-18x7/16"	7/16"		CK-027	1/2"-13x11/16"	11/16"	
CK-019	3/8"-16x7/16"	7/16"		CK-028	5/8"-11x11/16"	11/16"	
CK-020	3/8"-16x1/2"	1/2"		CK-029	5/8"-11x3/4"	3/4"	
CK-021	3/8"-16x9/16"	9/16"		CK-030	5/8"-11x13/16"	13/16"	
CK-022	1/2"-12x9/16"	9/16"		CK-031	3/4"-10x7/8"	7/8"	
CK-023	1/2"-12x5/8"	5/8"		CK-032	3/4"-10x13/16"	13/16"	
CK-024	1/2"-12x11/16"	11/16"		CK-033	3/4"-10x1"	1"	
CK-025	1/2"-13x9/16"	9/16"		CK-034	7/8"-9x1"	1"	
				CK-035	7/8"-9x13/16"	13/16"	

Clamping Accessory

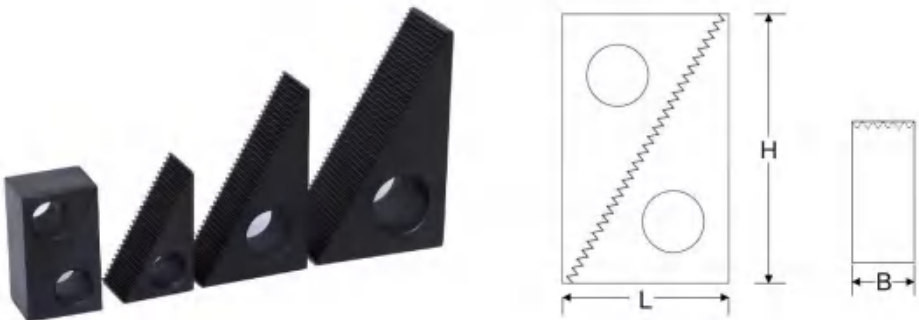
Free Style Clamping kit



Model No.	Size	T-Slot size	Screw Size	Overall LxWxH	Price
UCK-001	M10x 12mm	12mm	10mm	115 x45 x35mm	
UCK-002	M10x 14mm	14mm	10mm	115 x45 x35mm	
UCK-003	M12x 14mm	14mm	12mm	115 x45 x35mm	
UCK-004	M12x 16mm	16mm	12mm	115 x 45 x 35mm	
UCK-005	M14x 16mm	16mm	14mm	115 x 45 x 35mm	
UCK-006	M14x 18mm	18mm	14mm	115 x45 x35mm	
UCK-007	M16x 18mm	18mm	16mm	125 x50 x42mm	
UCK-008	M16x20mm	20mm	16mm	125 x50 x42mm	
UCK-009	M18x20mm	20mm	18mm	150 x 58 x 53mm	
UCK-010	M18x22mm	22mm	18mm	150 x58 x53mm	
UCK-011	M20x22mm	22mm	20mm	150 x 58 x 53mm	
UCK-012	M20x24mm	24mm	20mm	150 x 58 x 53mm	

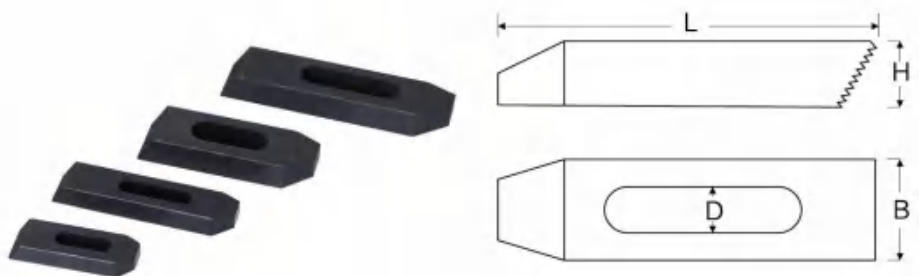
Model No.	Size	T-Slot size	Screw Size	Overall LxWxH	Price
UCK-001	3/8"-16x7/16"	7/16"	3/8"-16	115 x 45 x 35mm	
UCK-002	3/8"-16x1/2"	1/2"	3/8"-16	115 x45 x35mm	
UCK-003	3/8"-6x9/16"	9/16"	3/8"-16	115x45x35mm	
UCK-004	1/2"-13x9/16"	9/16"	1/2"-13	115 x 45 x 35mm	
UCK-005	1/2"-13x5/8"	5/8"	1/2"-13	115x45x35mm	
UCK-006	1/2"-13x11/16"	11/16"	1/2"-13	115 x45 x35mm	
UCK-007	5/8"-11x11/16"	11/16"	5/8"-11	125 x50 x42mm	
UCK-008	5/8"-11x3/4"	3/4"	5/8"-11	125 x 50 x 42mm	
UCK-009	5/8"-11x13/16"	13/16"	5/8"-11	150 x 58 x 53mm	
UCK-010	3/4"-10x7/8"	7/8"	3/4"-10	150 x 58 x 53mm	
UCK-011	3/4"-10x13/16"	13/16"	3/4"-10	150 x 58 x 53mm	
UCK-012	3/4"-10x1"	1"	3/4"-10	150 x58 x53mm	

Clamping Accessory



Steel Triagnel

Model No.	Size	L	H	B	Price
SJ001	M6 M8 M10 M12 M14 5/16" 3/8" 1/2"	22	30	25	
SJ002	M16 5/8"	27	40	27	
SJ003	118 M20 M22 M24 M3 3/4"	27	40	32	
SJ004	M6 M8 M10 M12 M14 5/16" 3/8" 1/2"	27	40	25	
SJ005	M16 5/8"	45	74	27	
SJ006	118 M20 M22 M24 M3 3/4"	45	74	32	
SJ007	M6 M8 M10 5/16" 3/8"	45	74	25	
SJ008	M12 M14 1/2"	55	92	25	
SJ009	M16 5/8"	67	113	27	
SJ010	118 M22 M20 M24 M3 3/4"	67	113	32	

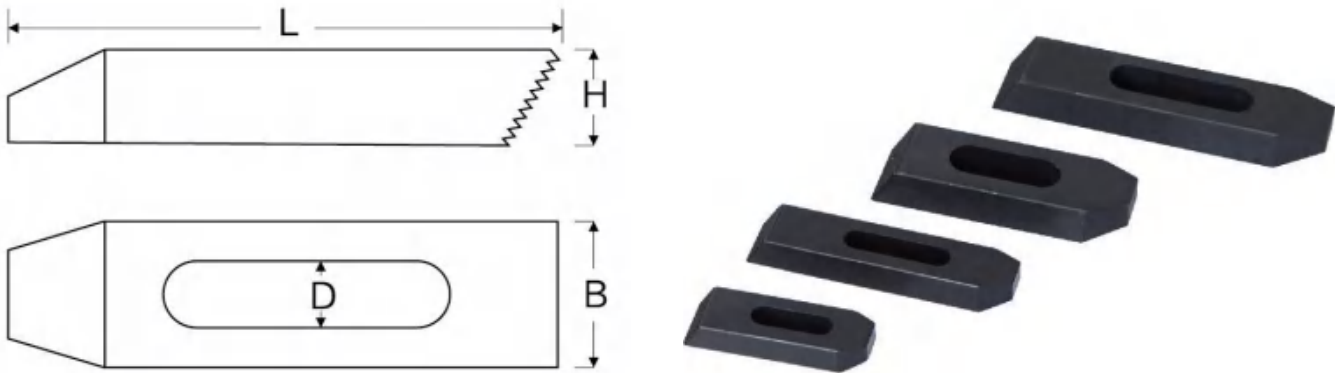


Steel Clamping

Model No.	Size	L	H	B	D	Price
YB002	5/16" 3/8"	52	12.5	25.4	12	
YB003	1/2"	63	12	28	14	
YB005	5/8"	63	15.6	31	18	
YB006	3/4"	101	19	44	22	
YB010	5/16" 3/8"	88	16	25.4	12	
YB011	1/2"	101	18.5	31	14	
YB013	5/8"	101	19	38	18	
YB014	3/4"	148	25	44	22	
YB018	5/16" 3/8"	128	19	28.5	12	
YB019	1/2"	152	21.5	31	14	
YB021	5/8"	152	22	38	18	
YB022	3/4"	198	28	44	22	

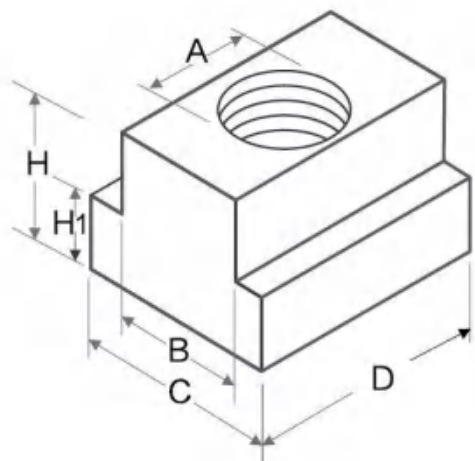
Clamping Accessory

Steel Clamping



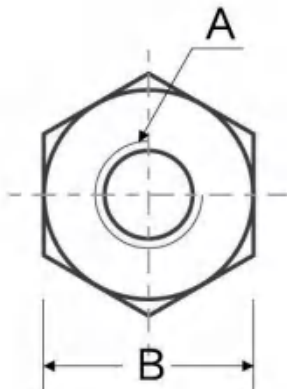
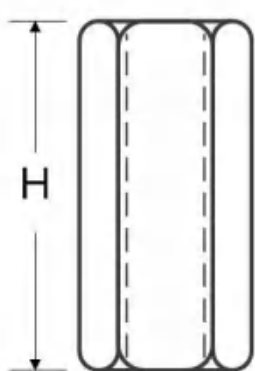
Model No.	Size	L	H	B	D	Price
YB001	M6	52	12.5	25.4	8	
YB002	M8 M10	52	12.5	25.4	12	
YB003	M12	63	12	28	14	
YB004	M14	63	12	28	15	
YB005	M16	63	15.6	31	18	
YB006	M18 M20	101	19	44	22	
YB007	M22 M24	150	30	60	25	
YB008	M30	200	34	74	33	
YB009	M6	88	16	25.4	8	
YB010	M8 M10	88	16	25.4	12	
YB011	M12	101	18.5	31	14	
YB012	M14	101	18.5	31	15	
YB013	M16	101	19	38	18	
YB014	M18 M20	148	25	44	22	
YB015	M22 M24	200	35	60	25	
YB016	M30	250	39	74	33	
YB017	M6	128	19	28.5	8	
YB018	M8 M10	128	19	28.5	12	
YB019	M12	152	21.5	31	14	
YB020	M14	152	21.5	31	15	
YB021	M16	152	22	38	18	
YB022	M18 M20	198	28	44	22	
YB023	M22 M24	255	35	60	25	
YB024	M30	300	39	74	33	

T-Nut



Model No.	A	B	H	H1	c	D	Price
TN-001	M6	8	9	5	13	13	
TN-002	M8	10	12	5	16	17	
TN-003	M10	12	13	6	18	20	
TN-004	M12	14	15	8	22	23	
TN-005	M14	16	16	8	25	25	
TN-006	M16	18	19	10.5	28	30	
TN-007	M18	20	22	12	31	31	
TN-008	M20	22	26	13	35	35	
TN-009	M22	26	28	15	40	40	
TN-010	M24	28	28	15	44	44	
TN-012	M30	36	40	20	54	60	
TN-013	5/16"-18	3/8"	1/2"	3/16"	5/8"	7/8"	
TN-014		7/16"	1/2"	7/32"	11/16"	7/8"	
TN-015	3/8"-16	1/2"	1/2"	9/32"	7/8"	7/8"	
TN-016		9/16"	5/8"	11/32"	7/8"	1"	
TN-017	1/2"-12 1/2"-13	9/16"	5/8"	11/32"	7/8"	1"	
TN-018		5/8"	5/8"	11/32"	1"	1"	
TN-019		11/16"	3/4"	7/16"	1-1/8"	1-1/4"	
TN-020	5/8"-11	11/16"	3/4"	7/16"	1-1/8"	1-1/4"	
TN-021		3/4"	3/4"	15/32"	1-1/4"	1-1/4"	
TN-022		13/16"	7/8"	9/16"	1-1/4"	1-1/2"	
TN-023	3/4"-10	7/8"	7/8"	9/16"	1-1/2"	1-1/2"	
TN-024		1"	7/8"	9/16"	1-5/8"	1-1/2"	

Coupling Nut



Model No.	A	B	H	Price
DLM-001	M6	10	16	
DLM-002	M8 M10	17	28	
DLM-003	M12	22	32	
DLM-004	M14	22	32	
DLM-005	M16	24	40	
DLM-006	M18 M20	30	45	
DLM-007	M22	34	66	
DLM-008	M24	36	72	
DLM-009	M27	41	81	
DLM-010	M30	46	90	
DLM-011	M36	55	108	
DLM-012	M42	65	126	
DLM-013	M48	75	144	
DLM-014	5/16"-18	17	28	
DLM-015	3/8"-16	17	28	
DLM-016	1/2"-12	22	32	
DLM-018	1/2"-13	22	32	
DLM-019	5/8n-11	24	40	
DLM-020	3/4"-10	30	45	

Flanged Nut



Model No.	A	B	C	H	Price
DLM-001	M6	10	14	10	
DLM-002	M8	17	23	13	
DLM-003	M10	17	23	13	
DLM-004	M12	22	28	16	
DLM-005	M14	22	28	16	
DLM-006	M16	24	31	18	
DLM-007	M18	30	37	26	
DLM-008	M20	30	37	26	
DLM-009	M22	34	40	33	
DLM-010	M24	36	45	36	
DLM-011	M30	46	58	45	
DLM-012	5/16"-18	17	23	13	
DLM-013	3/8"-16	17	23	13	
DLM-014	1/2"-12	22	28	16	
DLM-015	1/2"-13	22	28	16	
DLM-016	5/8"-11	24	31	18	
DLM-017	3/4"-10	30	37	26	

Dicephalow Screw



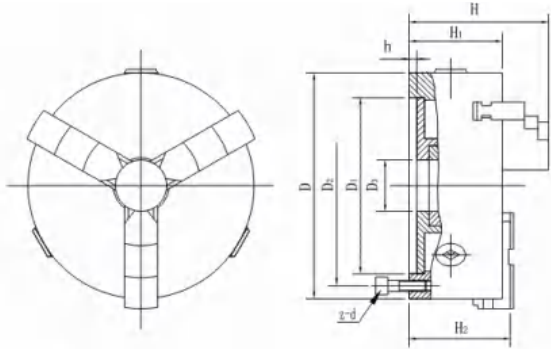
Model No.	A	L(1-6#)						Li (1-6#)						price
SLG-001	M6													
SLG-002	M8													
SLG-003	M10													
SLG-004	M12	75	100	125	150	175	200	30	40	45	45	45	45	
SLG-005	M14													
SLG-006	M16	75	100	125	150	175	200	30	40	50	50	50	50	
SLG-007	M18	100	125	150	175	200	225	40	45	50	50	50	50	
SLG-008	M20													
SLG-009	M22	125	150	175	200	250	300	50	55	55	55	60	60	
SLG-010	M24													
SLG-011	M30	150	200	250	300	350	400	50	55	60	65	65	65	
SLG-012	5/16"-18													
SLG-013	3/8"-16	3"	4"	5"	6"	7"	8"	1-3/16"	1-9/16"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	
SLG-014	1/2"-12													
SLG-015	1/2"-13													
SLG-016	5/8"-11	3"	4"	5"	6"	7"	8"	1-3/16"	1-9/16"	2"	2"	2"	2"	
SLG-017	3/4"-10	4"	5"	6"	7"	8"	9"	1-9/16"	1-3/4"	2"	2"	2"	2"	

Wood Chucks



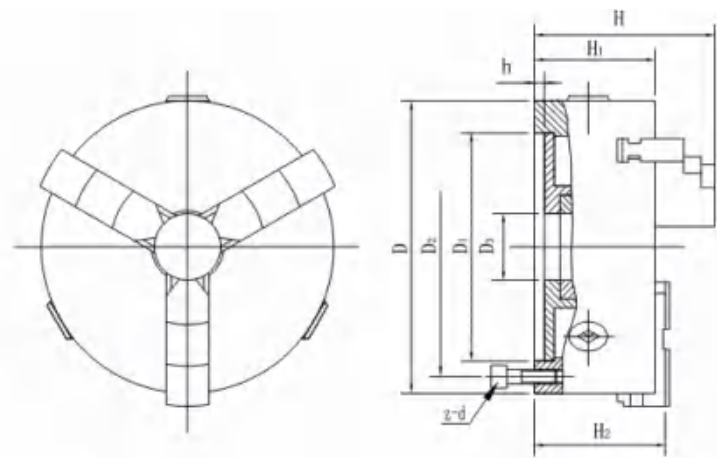
Model No.	Size	Screw	Price
WC-4	4"	M40*2; M33*3.5; M30*3.5; M24*3.0;M20*1.5	
WC-5	5"	M40*2; M33*3.5;	
WC-6	6"	M40*2; M33*3.5; 1"-1/4-8	

3 Jaw Self-centering Lathe Chuck



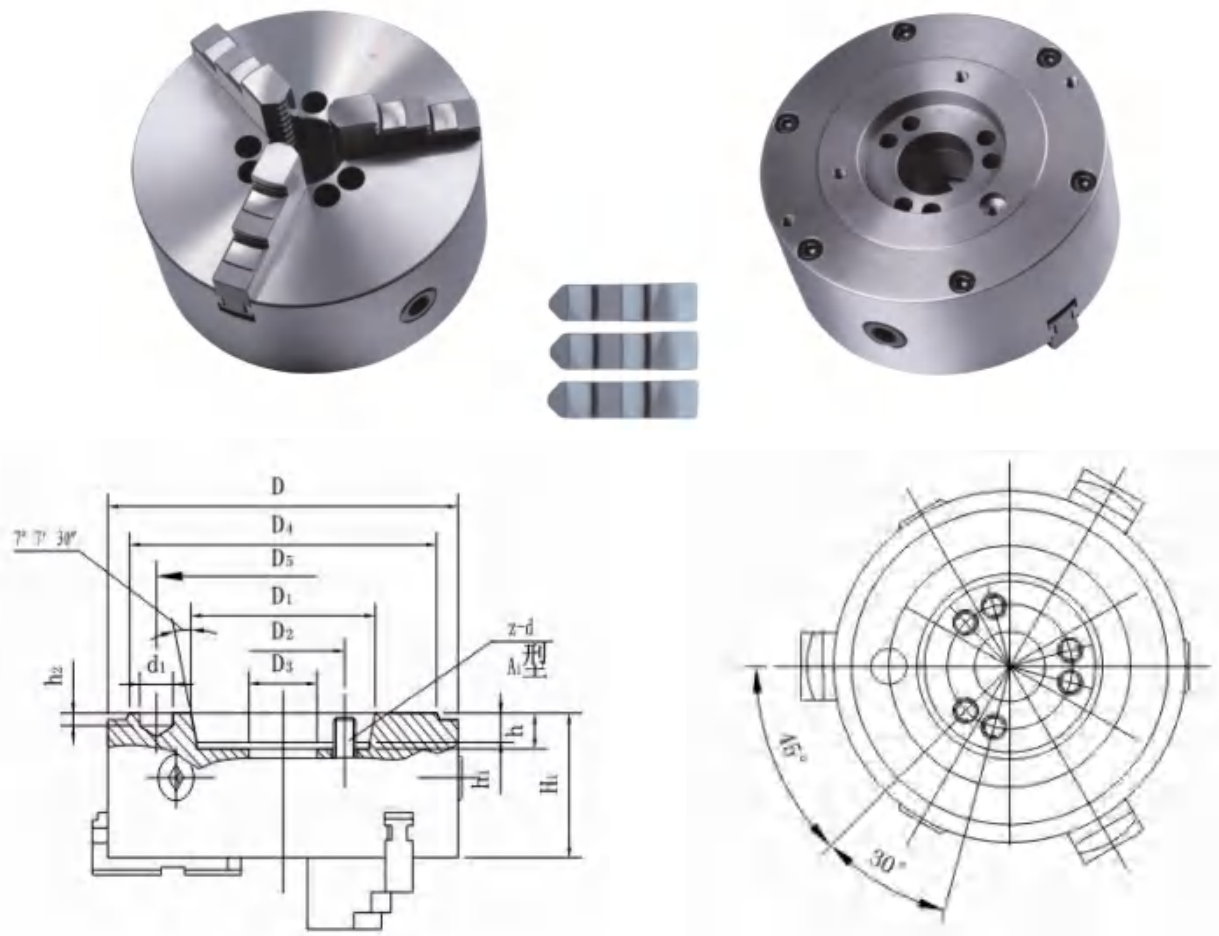
Model No.	D1	D2	D3	H	H1	H2	h	z-d	Prie
K1-80	55	66	16	66	50	—	3.5	3-M6	
K1-100	72	84	22	74.5	55	—	3.5	3-M8	
K1-125	95	108	30	85	58	—	4	3-M8	
K11-130	100	115	30	85	58	—	4	3-M8	
K11-160	130	142	40	95	65	—	5	3-M8	
K11-160A	130	142	40	109	65	71	5	3-M8	
K11-165	130	145	40	95	65	—	5	3-M8	
K11-165A	130	145	40	109	65	71	5	3-M8	
K11-190	155	172	55	109	75	—	5	3-M10	
K11-190A	155	172	55	122	75	80	5	3-M10	

3 Jaw Self-centering Lathe Chuck



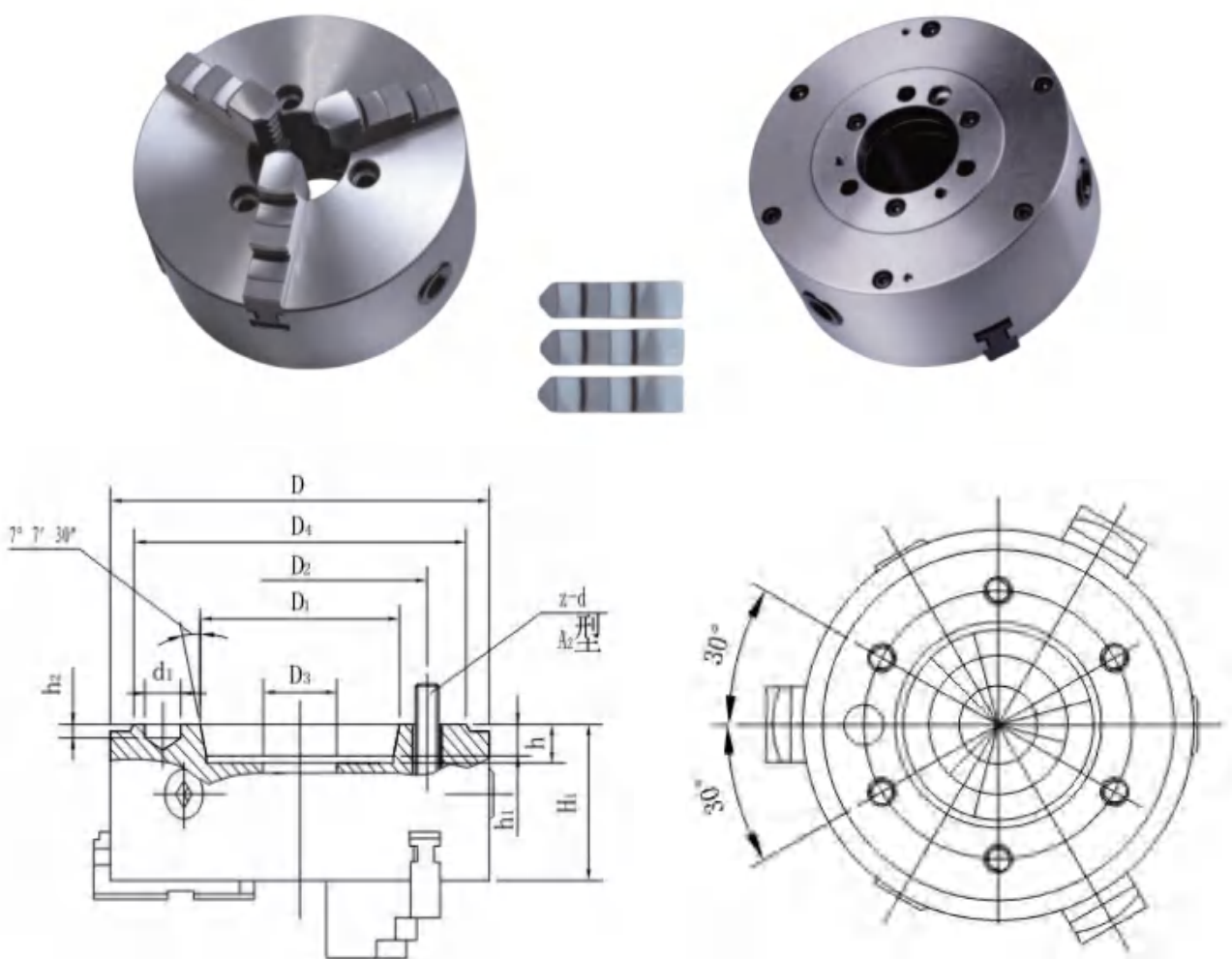
Model No.	D1	D2	D3	H	H1	H2	h	z-d	Prie
K11-200	165	180	65	109	75	—	5	3-M10	
K11-200A	165	180	65	122	75	80	5	3-M10	
K11-240	195	215	70	120	80	—	8	3-M12	
K11-240A	195	215	70	133	80	85	8	3-M12	
K11-250	206	226	80	120	80	—	5	3-M12	
K11-250A	206	226	80	133	80	85	5	3-M12	
K11-315	260	285	100	142.5	90	—	6	3-M16	
K11-315A	260	285	100	155.5	90	96.5	6	3-M16	
K11-320	270	290	100	142.5	90	—	6	3-M16	
K11-320A	270	290	100	155.5	90	96.5	6	3-M16	
K11-325	272	296	100	142.5	90	—	6	3-M16	
K11-325A	272	296	100	155.5	90	96.5	6	3-M16	
K11-380	325	350	130	155.5	100	—	6	3-M16	
K11-380A	325	350	130	170.5	100	96.5	6	3-M16	
K11-400	340	368	130	155.5	100	—	6	3-M16	
K11-400A	340	368	130	170.5	100	108.5	6	3-M16	
K11-500	440	465	200	176	115	—	6	6-M16	
K11-500A	440	465	200	203	115	123	6	6-M16	
K11-630	560	595	260	192	130	—	7	6-M16	
K11-630A	560	595	260	218	130	138	7	6-M16	
K11-800A	710	760	385	249	148	158	8	6-M20	
K11-1000A	910	950	460	266	165	—	8	6-M24	
K11-1250A	910	950	500	281	180	—	10	6-M24	

3 Jaw Self-centering Lathe Chuck Direct Mounting A1



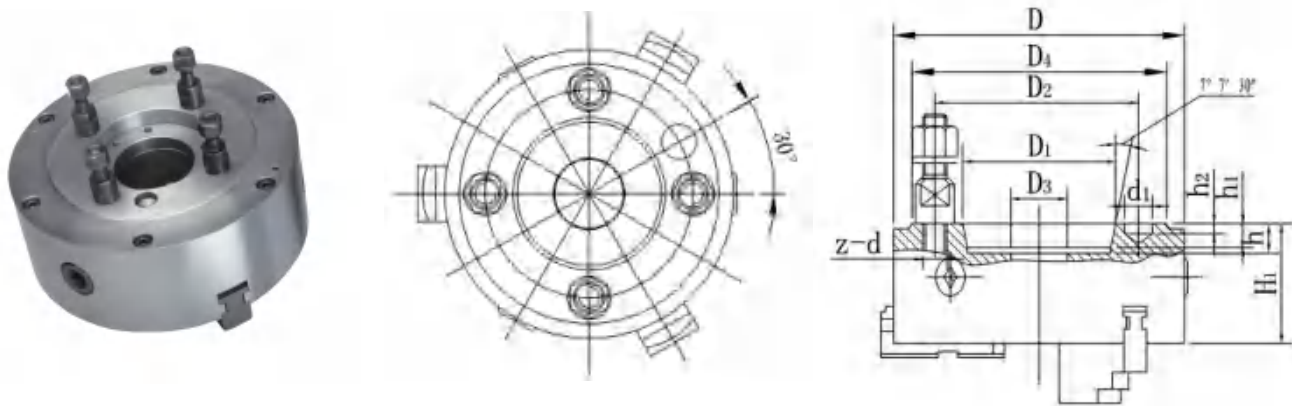
Model No.	D	D1	D2	D3	D4	D5	H1	h	h1	h2	d1	z-d	Price
K11-200/A15 K11-200A/A15	200	82.563	61.9	40	133	82.6	93	14.288	12	6.5	16.3	3-M10	
K11-250/A15 K11-250A/A15	250	82.563	61.9	40	133	133.4	104	14.288	12	6.5	16.3	3-M10	
K11-250/A16 K11-250A/A16	250	106.375	82.6	55	165	171.4	104	15.875	13	6.5	19.5	6-M12	
K11-315/A16 K11-315A/A16	315	106.375	82.6	55	165	171.4	114	15.875	13	6.5	19.5	6-M12	
K11-315/A18 K11-315A/A18	315	139.719	111.1	78	210	235	116	17.462	14	8	24.2	6-M16	
K11-320/A16 K11-320A/A16	320	106.375	82.6	55	165	235	114	15.875	13	6.5	19.5	6-M12	
K11-320/A18 K11-320A/A18	320	139.719	111.1	78	210	330.2	116	17.462	14	8	24.2	6-M16	
K11-325/A16 K11-325A A16	325	106.375	82.6	55	165	330.2	114	15.875	13	6.5	19.5	6-M12	
K11-325/A18 K11-25A A18	325	139.719	111.1	78	210	463.6	116	17.462	14	8	24.2	6-M16	
K11-380/A18 K11-380A A18	380	139.719	111.1	78	210	330.2	128	17.462	14	8	24.2	6-M16	
K11-400/A18 K11-400A/A18	400	139.719	111.1	78	210	463.6	128	17.462	14	8	24.2	6-M16	
K11-500/A111 K11-500A/A111	500	196.869	165.1	125	280	235	145	19.050	16	10	29.4	6-M20	
K11-500/A115 K11-500A/A115	500	285.775	247.6	200	380	330.2	145	20.638	17	10	35.7	6-M24	

3 Jaw Self-centering Lathe Chuck Direct Mounting A2



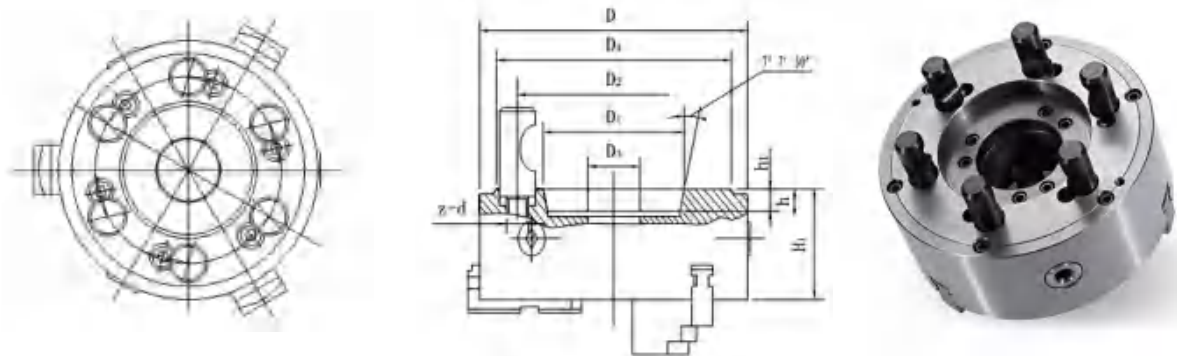
Model No.	D	D1	D2	D3	D4	H1	h	hi	h2	d1	z-d	Price
K11-200/A24 K11-200A/A24	200	63.513	82.6	60	108	88	—	10	6.5	15	3-M10	
K11-320/A26 K11-320A/A26	320	106.375	133.4	100	165	112	16	13	6.5	20	6-M12	
K11-380/A28 K11-380A/A28	380	139.719	171.4	130	210	122	18	14	8	24	6-M16	
K11-400/A28 K11-400A/A28	400	139.719	171.4	130	210	122	18	14	8	24	6-M16	
K11-500A/A211	500	196.869	235	190	280	135	20	16	10	29	6-M20	
K11-630A/A211	630	196.869	235	190	280	160	20	16	10	29	6-M20	
K11-630A/A215	630	285.775	330.2	200	380	160	21	17	10	36	6-M24	
K11-800A/A215	800	285.775	330.2	280	380	186	21	17	10	36	6-M24	
K11-800A/A220	800	412.775	463.6	385	520	186	23	19	10	42	6-M24	
K11-1000A/A215	1000	285.775	330.2	280	380	208	21	17	10	36	6-M24	
K11-1000A/A220	1000	412.775	463.6	400	520	208	23	19	10	42	6-M24	

3 Jaw Self-centering Lathe Chuck Direct Mounting TypeC



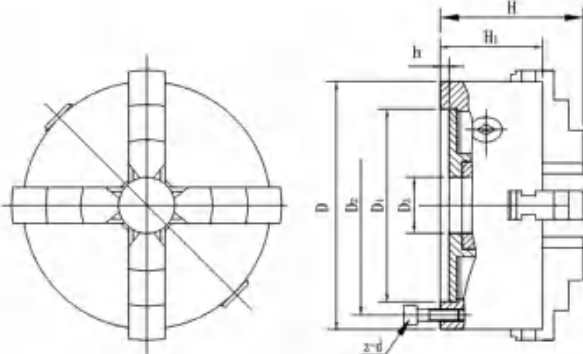
Model No.	D	D1	D2	D3	D4	H1	h	hi	h2	d1	z-d	Price
K11-125/C3	125	53.975	75	25	102	63	13	10	—	—	3-M10	
K11-125/C4	125	63.513	85	25	112	63	13	10	6.5	15	3-M10	
K11-160/C3 K11-160A/C3	160	53.975	75	40	102	78	13	10	—	—	3-M10	
K11-160/C4 K11-160AC4	160	63.513	85	40	112	78	13	10	6.5	15	3-M10	
K11-160/C5 K11-160A/C5	160	82.563	104.8	40	135	78	15	12	6.5	16	4-M10	
K11-200/C4 K11-200A/C4	200	63.513	85	60	112	88	—	10	6.5	15	3-M10	
K11-200/C5 K11-200A/C5	200	82.563	104.8	50	135	88	15	12	6.5	16	4-M10	
K11-200/C6 K11-200AC6	200	106.375	133.4	60	170	88	16	13	6.5	20	4-M12	
K11250/C5 K11-250A/C5	250	82.563	104.8	79	135	95	—	12	6.5	16	4-M10	
K11-250/C6 K11-250A C6	250	106.375	133.4	70	170	95	16	13	6.5	20	4-M12	
K11-250/C8 K11-250A/C8	250	139.719	171.4	80	220	95	18	14	8	24	4-M16	
K11-315/C6 K11-315A C6	315	106.375	133.4	100	170	112	16	13	6.5	20	4-M12	
K11-315/C8 K11-315A C8	315	139.719	171.4	100	220	112	18	14	8	24	4-M16	
K11-315/C11 K11-315A/C11	315	196.869	235	100	290	112	20	16	10	29	6-M20	
K11-320/C6 K11-320A/C6	320	106.375	133.4	100	170	112	16	13	6.5	20	4-M12	
K11-320/C8 K11-320A/C8	320	139.719	171.4	100	220	112	18	14	8	24	4-M16	
K11-320/C11 K11-320A/C11	320	196.869	235	100	290	112	20	16	10	29	6-M20	
K11-325/C6 K11-325A/C6	325	106.375	133.4	100	170	112	16	13	6.5	20	4-M12	
K11-325/C8 K11-325A/C8	325	139.719	171.4	100	220	112	18	14	8	24	4-M16	
K11-325/C11 K11-325A/C11	325	196.869	235	100	290	112	20	16	10	29	6-M20	
K11-380/C8 K11-380A/C8	380	139.719	171.4	130	220	122	18	14	8	24	4-M16	
K11-380/C11 K11-380A/C11	380	196.869	235	130	290	122	20	16	10	29	6-M20	
K11-400/C8 K11-400A/C8	400	139.719	171.4	130	220	122	18	14	8	24	4-M16	
K11-400/C11 K11-400A/C11	400	196.869	235	130	290	122	20	16	10	29	6-M20	
K11-500/C11 K11-500A/C11	500	196.869	235	190	290	135	—	16	10	29	6-M20	
K11-500/C15 K11-500A/C15	500	258.775	330.2	200	400	135	21	17	10	36	6-M24	
K11-630/C11 K11-630A/C11	630	196.869	235	190	290	150	—	16	10	29	6-M20	
K11-630/C15 K11-630A/C15	630	285.775	330.2	260	400	150	21	17	10	36	6-M24	

3 Jaw Self-centering Lathe Chuck Direct Mounting TypeD



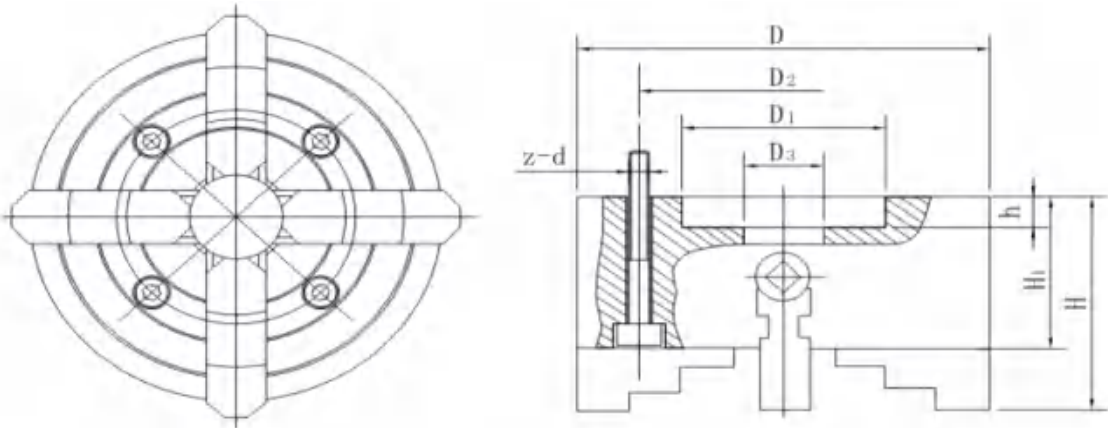
Model No.	D	D1	D2	D3	D4	H1	h	hi	z-d	Price
K11-125/D3	125	53.975	70.6	25	92	63	13	10	3-M10X1	
K11-125/D4	125	63.513	82.6	25	117	63	13	10	3-M10X1	
K11-160/D3 K11-160A/D3	160	53.975	70.6	40	92	80	13	10	3-M10X1	
K11-160/D4 K11-160A/D4	160	63.513	82.6	40	117	73	13	10	3-M10X1	
K11-160/D5 K11-160A/D5	160	82.563	104.8	40	146	78	15	12	6-M12X1	
K11-200/D4 K11-200A/D4	200	63.513	82.6	60	117	88	-	10	3-M10X1	
K11-200/D5 K11-200A/D5	200	82.563	104.8	50	146	88	15	12	6-M12X1	
K11-200/D6 K11-200A/D6	200	106.375	133.4	60	181	88	16	13	6-M16X1.5	
K11-250/D5 K11-250A/D5	250	82.563	104.8	79	146	95	—	12	6-M12X1	
K11-250/D6 K11-250A/D6	250	106.375	133.4	70	181	95	16	13	6-M16X1.5	
K11-250/D8 K11-250A/D8	250	139.719	171.4	80	225	98	18	14	6-M20X1.5	
K11-315/D6 K11-315A/D6	315	106.375	133.4	100	181	112	16	13	6-M16X1.5	
K11-315/D8 K11-315A/D8	315	139.719	171.4	105	225	112	18	14	6-M20X1.5	
K11-315/D11 K11-315A/D11	315	196.869	235	100	298	112	20	16	6-M22X1.5	
K11-320/D6 K11-320A/D6	320	106.375	133.4	100	181	112	16	13	6-M16X1.5	
K11-320/D8 K11-320A/D8	320	139.719	171.4	105	225	112	18	14	6-M20X1.5	
K11-320/D11 K11-320A/D11	320	196.869	235	100	298	112	20	16	6-M22X1.5	
K11-325/D6 K11-325A/D6	325	106.375	133.4	100	181	112	16	13	6-M16X1.5	
K11-325/D8 K11-325A/D8	325	139.719	171.4	105	225	112	18	14	6-M20X1.5	
K11-325/D11 K11-325A/D11	325	196.869	235	100	298	112	20	16	6-M22X1.5	
K11-380/D8 K11-380A/D8	380	139.719	171.4	130	225	122	18	14	6-M20X1.5	
K11-380/D11 K11-380A/D11	380	196.869	235	130	298	122	20	16	6-M22X1.5	
K11-400/D8 K11-400A/D8	400	139.719	171.4	130	225	122	18	14	6-M20X1.5	
K11-400/D11 K11-400A/D11	400	196.869	235	130	298	122	20	16	6-M22X1.5	
K11-500/D11 K11-500A/D11	500	196.869	235	190	298	135	-	16	6-M22X1.5	
K11-500/D15 K11-500A/D15	500	285.775	330.2	200	403	135	21	17	6-M24X1.5	
K11-630/D11 K11-630A/D11	630	196.869	235	190	298	160	—	16	6-M22X1.5	
K11-630/D15 K11-630A/D15	630	285.775	330.2	260	403	160	21	17	6-M24X1.5	
K11-800A/D15	800	285.775	330.2	260	403	186	21	17	6-M24X1.5	
K11-800A/D20	800	412.775	463.6	385	546	186	23	19	6-M27X2	

4 Jaw Self-centering Lathe Chuck



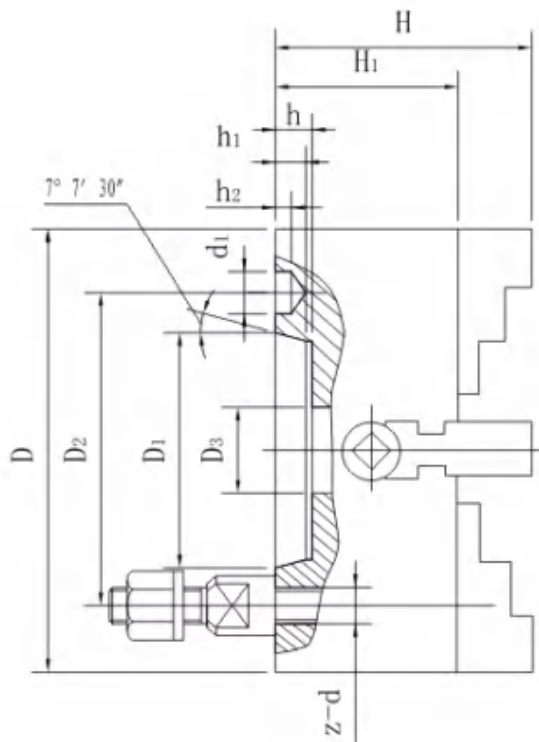
Model No.	D1	D2	D3	H	Hi	h	z-d	Price
K12-80	55	66	16	66	50	3.5	3-M6	
K12-100	72	84	22	74.5	55	3.5	3-M8	
K12-125	95	108	30	85	58	4	3-M8	
K12-130	100	115	30	85	58	4	3-M8	
K12-160	130	142	40	95	65	5	3-M8	
K12-160A	130	142	40	109	65	5	3-M8	
K12-165	130	145	40	95	65	5	3-M8	
K12-165A	130	145	40	109	65	5	3-M8	
K12-190	155	172	55	109	75	5	3-M10	
K12-190A	155	172	55	122	75	5	3-M10	
K12-200	165	180	65	109	75	5	3-M10	
K12-200A	165	180	65	122	75	5	3-M10	
K12-240	195	215	70	120	80	8	3-M12	
K12-240	195	215	70	133	80	8	3-M12	
K12-250	206	226	80	120	80	5	3-M12	
K12-250	206	226	80	133	80	5	3-M12	
K12-315	260	285	100	142.5	90	6	3-M16	
K12-315A	260	285	100	155.5	90	6	3-M16	
K12-320	270	290	100	142.5	90	6	3-M16	
K12-320A	270	290	100	155.5	90	6	3-M16	
K12-325	272	296	100	142.5	90	6	3-M16	
K12-325A	272	296	100	155.5	90	6	3-M16	
K12-380	325	350	130	155.5	100	6	3-M16	
K12-380A	325	350	130	170.5	100	6	3-M16	
K12-400	340	368	130	155.5	100	6	3-M16	
K12-400A	340	368	130	170.5	100	6	3-M16	
K12-500	440	465	200	176	115	6	6-M16	
K12-500A	440	465	200	203	115	6	6-M16	
K12-630	560	595	260	192	130	7	6-M16	
K12-630A	560	595	260	218	130	7	6-M16	
K12-800A	710	760	385	249	148	8	6-M20	
K12-1000A	910	950	460	266	165	8	6-M24	

4 Jaw Independent Lathe Chuck



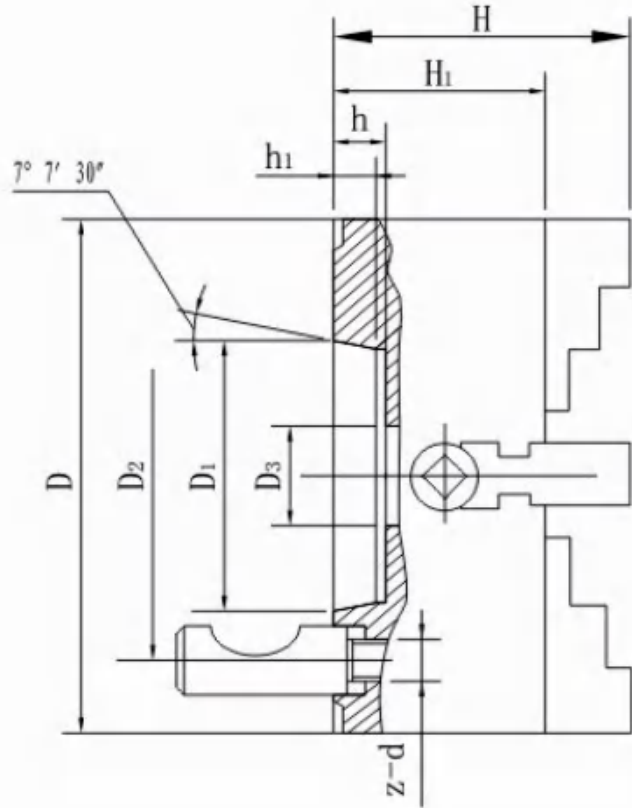
Model No.	D1	D2	D3	H	Hi	h	z-d	Price
K72-80	55	66	22	59	43	4	4-M6	
K72-100	72	84	25	77	54	4	4-M8	
K72-125	95	108	30	78	56	5	4-M8	
K72-160	65	95	45	93	65	5	4-M10	
K72-200	75	95	55	107	75	6	4-M10	
K72-250	110	130	75	120	80	6	4-M12	
K72-315/K72-320	140	165	95	138	90	6	4-M16	
K72-350	140	168	95	138	90	6	4-M16	
K72-400	160	185	125	143	95	8	4-M16	
K72-500	200	236	160	160	105	8	4-M20	
K72-520	260	300	205	160	105	10	4-M16	
K72-630	220	258	180	180	116	10	4-M20	
K72-800	250	300	210	210	135	12	8-M20	
K72-1000	320	370	260	241	150	15	8-M20	
K72-1250	400	500	305	256	165	15	8-M20	

4 Jaw Independent Lathe Chuck Type C



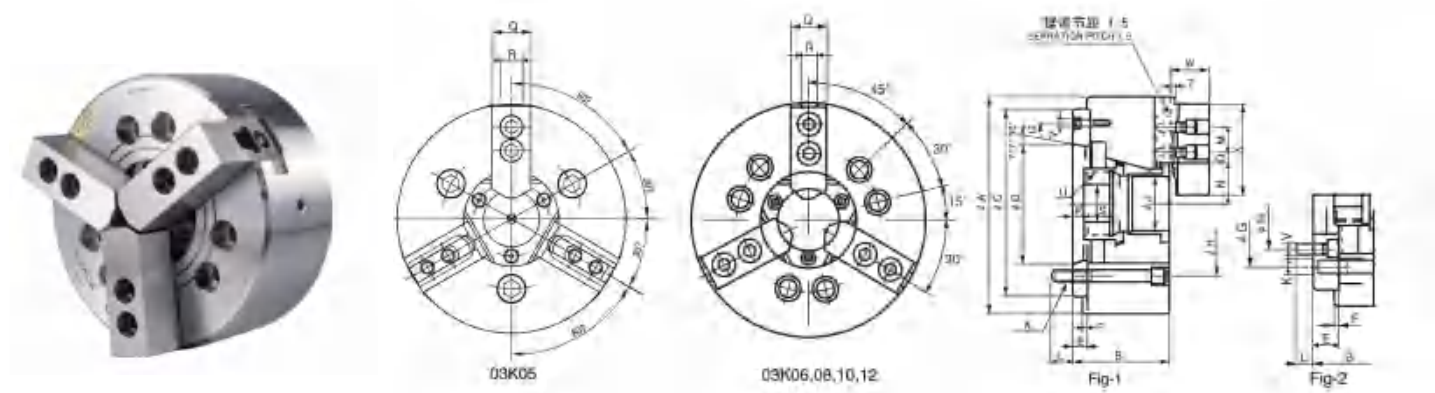
Model No.	D1	D2	D3	H	H1	h	hi	h2	d1	z-d	Price
K72-160 C4	63.513	82.6	45	93	65	13	10	6.5	14.7	3-M10	
K72-200/C4	63.513	82.6	56	107	75	13	10	6.5	14.7	3-M10	
K72-250/C4	63.513	82.6	61	120	80	—	10	6.5	14.7	3-M10	
K72-320/C4	63.513	82.6	61	138	90	—	10	6.5	14.7	3-M10	
K72-200/C6	106. 375	133.4	56	107	75	16	13	6.5	19.5	4-M12	
K72-250/C6	106. 375	133.4	75	120	80	16	13	6.5	19.5	4-M12	
K72-320/C6	106. 375	133.4	95	138	90	16	13	6.5	19.5	4-M12	
K72-400/C6	106. 375	133.4	95	143	95	16	13	6.5	19.5	4-M12	
K72-500/C6	106. 375	133.4	103	160	105	—	13	6.5	19.5	4-M12	
K72-520/C8	139.719	171.4	75	120	80	18	14	8	24.2	4-M16	
K72-320/C8	139.719	171.4	95	138	90	18	14	8	24.2	4-M16	
K72-400/C8	139.719	171.4	125	143	95	18	14	8	24.2	4-M16	
K72-500/C8	139.719	171.4	136	160	105		14	8	24.2	4-M16	
K72-320/C11	196. 869	235	95	138	90	20	16	10	29.4	6-M20	
K72-400/C11	196. 869	235	125	143	95	20	16	10	29.4	6-M20	
K72-500 C11	196. 869	235	160	160	105	20	16	10	29.4	6-M20	
K72-500/C15	285. 775	330.2	160	160	105	21	17	10	35.7	6-M20	

4 Jaw Independent Lathe Chuck



Model No.	D1	D2	D3	H	Hi	h	z-d	Price
K72-80	55	66	22	59	43	4	4-M6	
K72-100	72	84	25	77	54	4	4-M8	
K72-125	95	108	30	78	56	5	4-M8	
K72-160	65	95	45	93	65	5	4-M10	
K72-200	75	95	55	107	75	6	4-M10	
K72-250	110	130	75	120	80	6	4-M12	
K72-315/K72-320	140	165	95	138	90	6	4-M16	
K72-350	140	168	95	138	90	6	4-M16	
K72-400	160	185	125	143	95	8	4-M16	
K72-500	200	236	160	160	105	8	4-M20	
K72-520	260	300	205	160	105	10	4-M16	
K72-630	220	258	180	180	116	10	4-M20	
K72-800	250	300	210	210	135	12	8-M20	
K72-1000	320	370	260	241	150	15	8-M20	
K72-1250	400	500	305	256	165	15	8-M20	

3-JAW HIGH SPEED HOLLOW POWER CHUCK

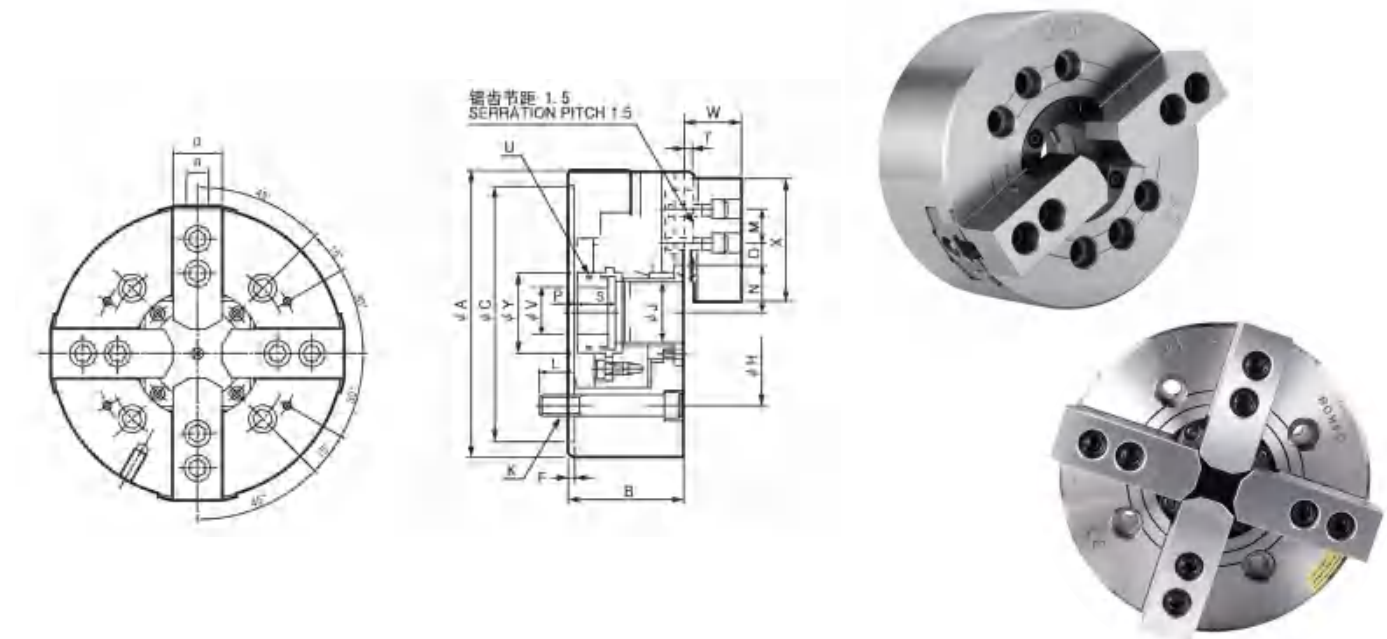


Model No.	Spindle	A	B	C (H6)	D	E	F	G	H	K	J	L	M	Price
03K05	A2-4	135	72	110	63.513	15	4	96	82.55	33	3-M10	13	14	
03K06	A2-5	169	91	140	82.563	15	5	116	104.8	45	6-M10	16	20	
03K08	A2-6	210	103	170	106.375	17	5	150	133.4	52	6-M12	18	25	
03K10A06	A2-6	254	120	220	106.375	25	5	171	133.4	75	6-M16	18.5	30	
03K10A08	A2-8	254	113	220	139.719	18	5	190	171.4	75	6-M16	24	30	
03K12A06	A2-6	304	129	220	106.375	25	6	171	133.4	91	6-M16	18.5	30	
03K12A08	A2-8	304	122	220	139.719	18	6	190	171.4	91	6-M16	25	30	

Model No.	N (max)	N (min)	O (max)	O (min)	P (max)	P (min)	Q	R	s	T	U (max)	V	W	X	Price
03K05	26.5	23.8	19.75	7.75	17	7	25	10	20	2	M40x1.5P	3xM6	31.5	62	
03K06	32	29.25	22.75	9.25	26	14	31	12	19	2	M55x2	3xM6	37.5	73	
03K08	38.7	35	29.75	14.75	31.5	15.5	35	14	21	2	M60x2	6xM6	39	95	
03K10A06	51	46.6	33.75	14.25	33.5	14.5	40	16	25	2	M85x2	6xM12	43	110	
03K10A08	51	46.6	33.75	14.25	26.5	7.5	40	16	25	2	M85x2	6xM8	43	110	
03K12A06	61.3	56	45.75	15.75	33	10	49	21	28	2	M100x2	6xM12	50.5	129	
03K12A08	61.3	56	45.75	15.75	26	3	49	21	28	2	M100x2	6xM8	50.5	129	

Model No.	Grip Dia(mm) (max) (min)	Jaw stroke (mm)	Plunger Stroke (mm)	Max.pull Force kgf (KN)	Max.grippin g force kgf (KN)	Max.speed r.p.m(min ⁻¹)	Weight (kg)	Matching Cylinder	Max. hydraulic pressure kg/cm ² (Mpa)	Openatin g HARD JAW	Price
03K05	135 12	5.4	10	1784 17.5	3671(36)	7000	6.7	TK536	2.8 29	HJ-05	
03K06	169 15	5.5	12	2243 22	5812(57)	6000	13.7	TK646	2.8 28.6	HJ-06	
03K08	210 20	7.4	16	3549 34.8	8769(86)	5000	23.6	TK852	2.65 27	HJ-08	
03K10A06	254 31	8.8	19	4385 43	11319(111)	4200	41.5	TK1075	2.7 27.5	HJ-10	
03K10A08	254 34	8.8	19	4385 43	11319(111)	4200	40	TK1075	2.7 27.5	HJ-10	
03K12A06	304 42	10.6	23	5608 55	14684(144)	3300	67	TK1291	2.7 27.5	HJ-12K	
03K12A08	304 50	10.6	23	5608 55	14684(144)	3300	64	TK1291	2.7 27.5	HJ-12K	

2/4JAW HIGH SPEED HOLLOW POWER CHUCK



Model No.	Spindle	A	B	C (H6)	F	H	J	K	L	Price
02K05	A2-4	135	60	110	4	82.6	33	4-M 10x75	15	
02/04K06	A2-5	169	81	140	5	104.8	45	6/4-M 10x95	16	
02/04K08	A2-6	210	91	170	5	133.4	52	6/4-M12X105	18	
02/04K10	A2-8	254	100	220	5	171.4	75	6/4-M16X100	22	
02/04K12	A2-8	304	110	220	6	171.4	91	6/4-M16X110	23	

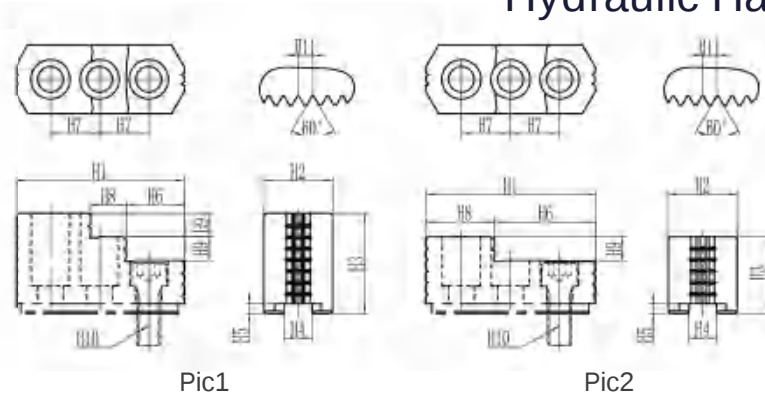
Model No.	M	N (max)	(rnm)	O (max)	O (min)	P (max)	P (min)	Q	R	S	T	U (max)	W	X	Price
02K05	14	26.2	23.5	19	6	1	-9	25	10	20	2	M40x1.5P	32	62	
02/04K06	20	32	29.25	22.75	9.25	11	-1	31	12	19	2	M55x2.0	38	73	
02/04K08	25	38.7	35	30	15	14.5	-1.5	35	14	20.5	2	M60x2.0	39	95	
02/04K10	30	51	46.6	34	14.5	8.5	-10.5	40	16	25	2	M85x2.0	43	110	
02/04K12	30	61.3	56	45.75	15.75	8	-15	49	21	28	2	M100x2.0	51	129	

Model No.	Grip Dia(mm) (max) (min)	Jaw stroke (mm)	Plunger Stroke (mm)	Max.pull Force kgf (KN)	Max. gripping force kgf (KN)	Max.speed r.p.m(min ⁻¹)	Weight (kg)	Matching Cylinder	Max. hydraulic pressure kg/cm ² (Mpa)	Price
02K05	135 10	5.4	10	1120 11	2340 23	7000	6.5	TK-536	19 1.9	
02/04K06	169 15	5.5	12	1420/1630 14/16	3770/4180 37/41	6000/4500	13.1	TK-646	18.5/21 1.8/2.1	
02/04K08	210 14	7.4	16	2240/2240 22/24	5710/6010 56/59	5000/3600	21.3	TK-852	17/19 1.7/1.9	
02/04K10	254 31	8.8	19	2850/3160 28/31	7440/8050 73/79	4200/3200	33.5	TK-1075	18/20 1.8/2.0	
02/04K12	304 34	10.6	23	3670/4080 36/40	9690/10400 95/102	3300/2500	52	TK-1291	18/20 1.8/2.0	

Clamping Accessory



Hydraulic Hard Jaw



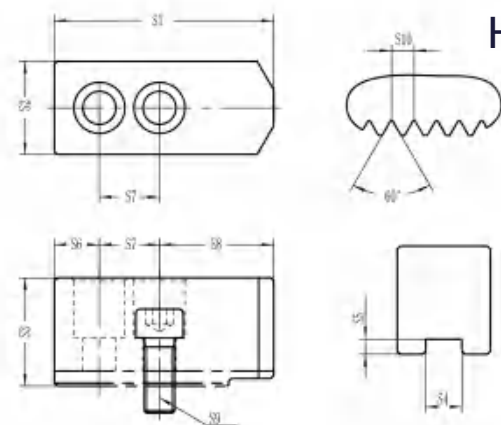
Pic1

Pic2

Model No.	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	Weight (kg)	Reference Drawing	Price
HJ-05	53	23	28	10	4	29	14	24	10	M8 x 1.25P	1.5 x 60°	0.4	Pic2	
HJ-06	67	31	36	12	4	39	20	28	12	M10 x 1.5P	1.5 x 60°	0.95	Pic2	
HJ-08	87	35	51	14	5	29.5	25	18	12	M12 x 1.75P	1.5 x 60°	1.9	Pic1	
HJ-10	101	40	54	16	5	45.5	30	18	13	M12 x 1.75P	1.5 x 60°	2.8	Pic1	
HJ-12S	108	50	67	18	5	49	30	20	16	M14x2P	1.5 x 60°	3.5	Pic1	
HJ-12K	148	50	67	21	4	49	30	20	16	M16 x 2P	1.5 x 60°	3.5	Pic1	
HJ-15/18S	143	62	86	26	5	55	43	38	20	M20x 2.5P	1.5 x 60°	9.5	Pic1	
HJ-21/24S	160	80	90	25	9	97.5	50	62	40	M20x 2.5P	3 x 60°	15.3	Pic2	



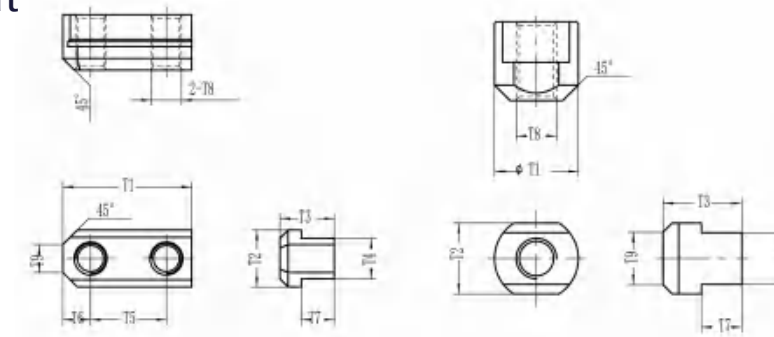
Hydraulic Soft Jaw



Model No.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	Weight (kg)	Price
SJ-05	62	25	30	10	4.5	10	14	38	M8	1.5 x 60°	0.8	
SJ-06	73	31	36	12	5	15	20	38	M10	1.5 x 60°	1.5	
SJ-08	95	35	38	14	5	24	25	46	M12	1.5 x 60°	2.4	
SJ-10	110	40	42	16	5	30	30	50	M12	1.5 x 60°	3.6	
SJ-12K	129	50	50	21	6	39	30	50	M16	1.5 x 60°	6.3	
SJ-12S	129	50	50	18	6	39	60	50	M14	1.5 x 60°	6.5	
SJ-15S	165	62	62	25.5	8	37	43	85	M20	1.5 x 60°	12.5	
SJ-21S	180	65	70	25	9	40	60	80	M20	3 x 60°	15.8	

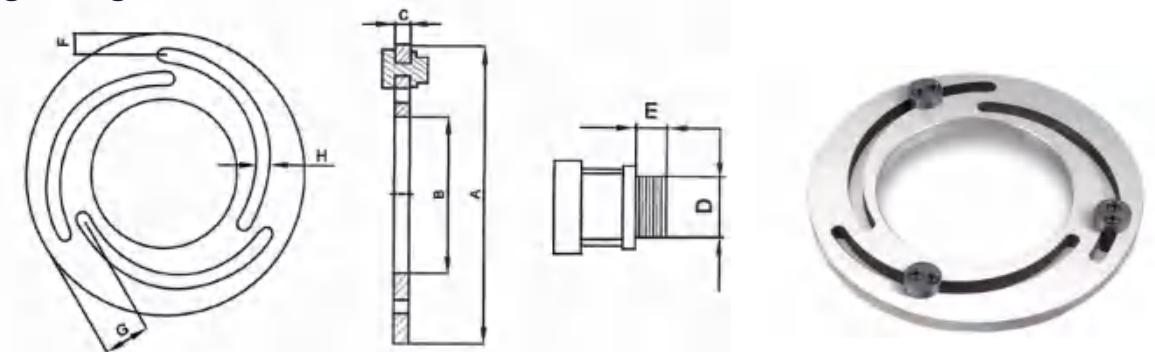
Clamping Accessory

T-Nut



Model No.	T-1	T-2	T-3	T-4	T-5	T-6	T-7	T-8	T-9	Reference Drawing	Price
TNK05	26	15	15	10	14	6	9.5	M8	5	Pic1	
TNS05	28	15	18	10	14	7	12.5	M8	5	Pic1	
TNK06	36	17.5	18.5	12	20	8.25	11	M10	8	Pic1	
TNS06	36.5	17.5	22.5	12	20	7.5	15	M10	8	Pic1	
TNK08	45.5	20.5	20.5	14	25	10.5	12	M12	12	Pic1	
TNS08	48	20.5	25.5	14	25	11	16	M12	8	Pic1	
TNK10	51	22.5	21.5	16	30	11	13	M12	11	Pic1	
TNS10	55	22.5	25.5	16	30	11	16	M12	8	Pic1	
TNK12	55.5	29.5	27.75	21	30	12	16.25	M16	13	Pic1	
TNS12	55.5	29.5	33	18	30	11.5	20	M14	12	Pic1	
TNS15	42	35	39	25.5	-	-	20	M20	26	Pic2	
TNS21	46	37.5	45	25	-	-	26	M20	27	Pic2	

Jaw Boring Ring

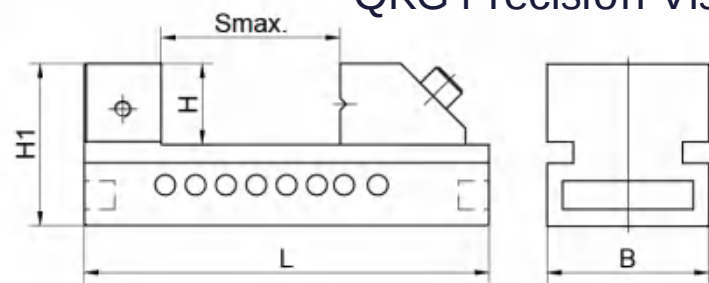


Model No.	A	B	C	D	E	F	G	H	Price
5 "	140	60	12	13.5	9	12	28	10	
6 "	168	80	12	16.5	9	12	32	10	
8 "	218	115	12	18.5	9	17	36	10	
10 "	258	150	12	18.5	9	15	40	10	
12 "	316	188	15	21.5	9	21	50	10	
15 "	380	230	20	31	16	23	52	12	

Machine Vise



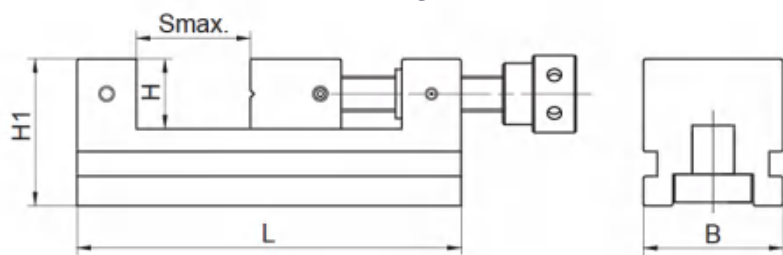
QKG Precision Vise



Model No.	B mm	H mm	H1 mm	Smax mm	L mm	Wt(kg)	Price
QKG25	26	9.15	29	22	65.4	0.5	
QKG36	36	20	45	40	100	1.2	
QKG38	38	20	45	44	105	1.3	
QKG50	50	25	50	65	140	2	
QKG63	63	32	63	85	175	3	
QKG73	73	35	67	100	190	4.1	
QKG80	80	40	80	100	200	5.5	
QKG88	88	40	85	125	235	7.3	
QKG100	100	45	90	125	245	10	
QKG125	125	50	100	160	285	18	
QKG150	150	50	100	200	330	21.5	
QKG150A	150	50	100	250	380	23	
QKG150B	150	50	100	300	430	24	



QGG Precision Vise



Model No.	B mm	H mm	H1 mm	Smax mm	L mm	Wt(kg)	Price
QGG50	50	25	50	65	155	3	
QGG60	60	25	50	55	110	2.4	
QGG63	63	32	65	85	190	3.8	
QGG73	73	35	74	100	210	5	
QGG80	80	40	84	100	220	6.5	
QGG88	88	40	88	125	250	11	
QGG100	100	45	95	125	260	13	
QGG125	125	50	110	160	300	19.5	
QGG125A	125	50	110	210	350	23	
QGG150	150	50	110	175	315	23.8	

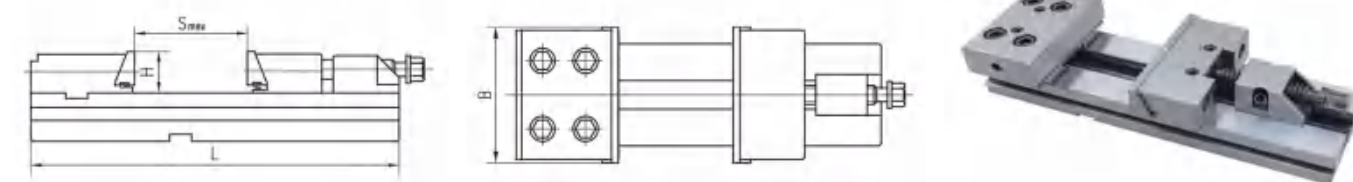
Machine Vise



CHM Precision Universal Vise

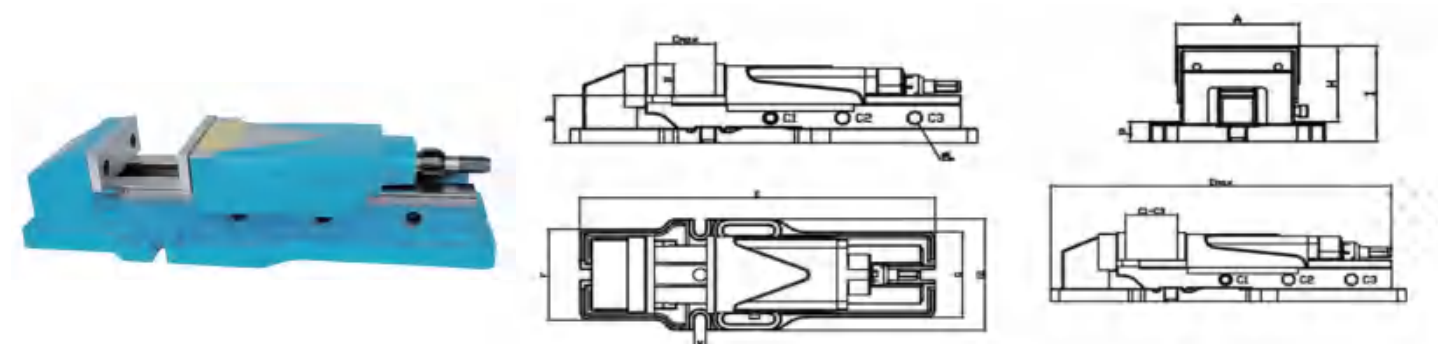
Model No.	Jaw Width (mm)	Jaw Depth (mm)	Max. Opening (mm)	Outside Size (mm)	Price
CHM50	50	25	70	180X72X112	
CHM80	70	30	80	195X110X137	
CHM120	120	40	155	400X180X210	

Precision Modular vise



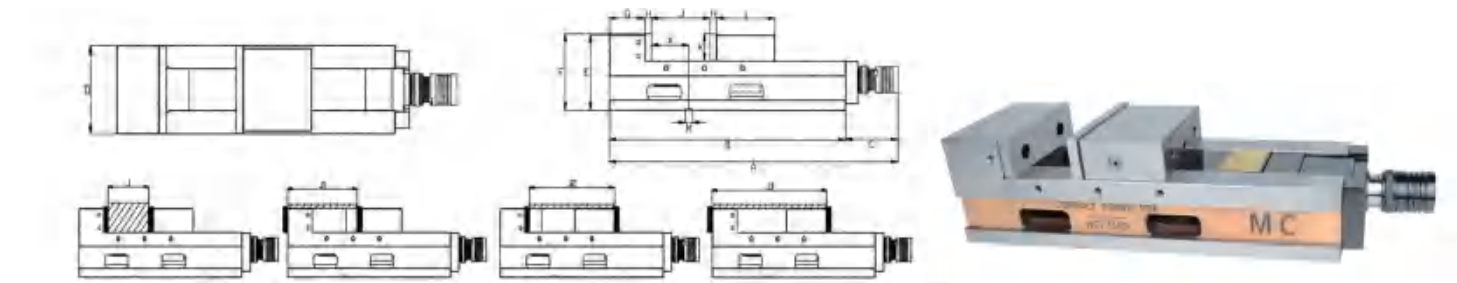
Model No.	B mm	H mm	Smax mm	L mm	Clamping force(kg)	Price
GT100- I	100	30	100	270	3000	
GT125- I	125	40	150	345	3000	
GT150A- I	150	50	200	420	5000	
GT150B- I	150	50	300	520	5000	
GT150C- I	150	50	400	620	5000	
GT175A- I	175	60	200	455	6000	
GT175B- I	175	60	300	555	6000	
GT175C- I	175	60	400	655	6000	
GT175D- I	175	60	500	755	6000	
GT175E- I	175	60	600	855	6000	
GT200A- I	200	65	200	495	10000	
GT200B- I	200	65	300	595	10000	
GT200C- I	200	65	400	695	10000	
GT200D- I	200	65	500	795	10000	
GT200E- I	200	65	600	895	10000	
GT300A- I	300	80	200	535	12000	
GT300B- I	300	80	300	635	12000	
GT300C- I	300	80	400	735	12000	
GT300D- I	300	80	500	835	12000	
GT300E- I	300	80	600	935	12000	
GT300F- I	300	80	700	1035	12000	
GT300G- I	300	80	800	1135	12000	

Hydraulic Machine vise-Inside



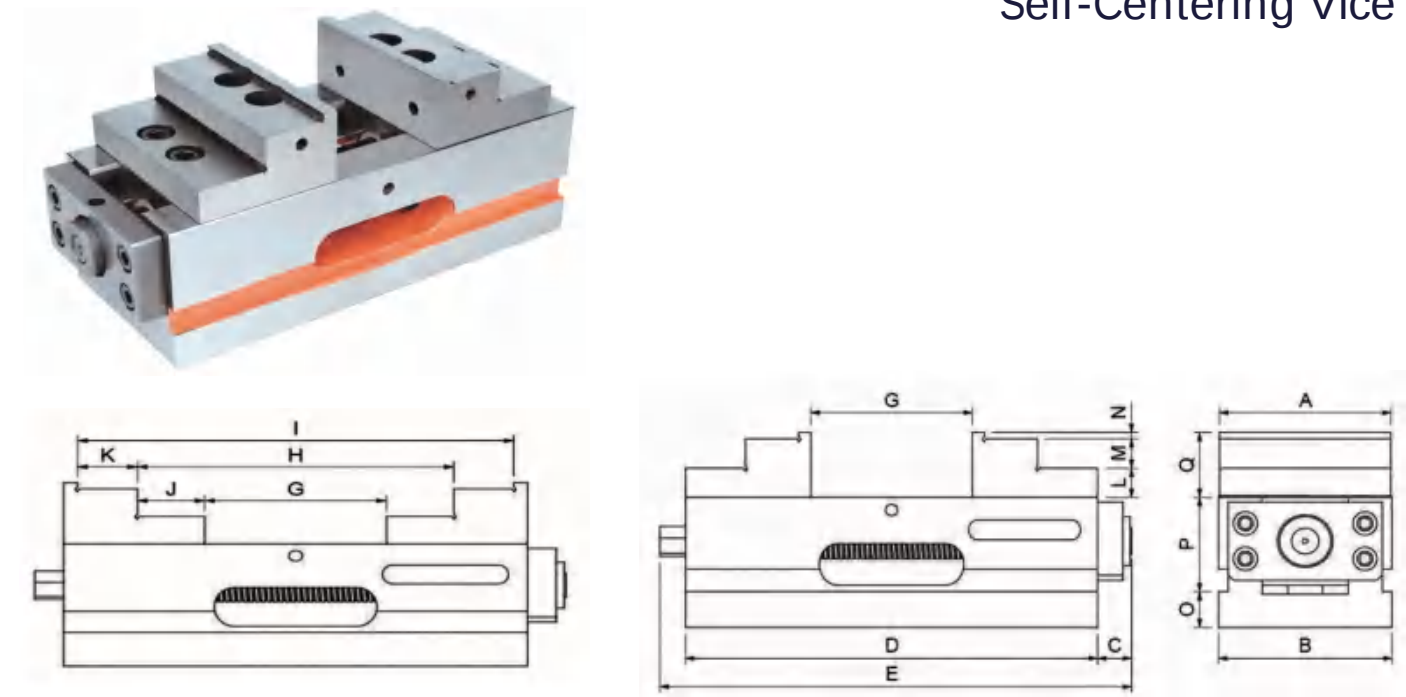
Model No.	A	B	Cmax	C1	C2	C3	D	E	Emax	F	G	G1	H	I	L	N	P	Clamping Force (kgf)	Price
HV-4-180	110	40	180	0-62	58-120	116-180	60	430	596	135	122	166	76	100	12	18	24	4000	
HV-5-240	134	50	240	0-82	78-160	158-240	75	540	716	160	150	190	101	125	18	20	24	4500	
HV-6-320	154	54	320	0-112	107-222	217-320	82	620	824	180	170	220	113	136	20	20	28	4500	
HV-8-320	198	65	320	0-112	107-222	217-320	88	640	846	225	215	285	125	153	22	20	28	6500	

MC Precision Compact Power Vise



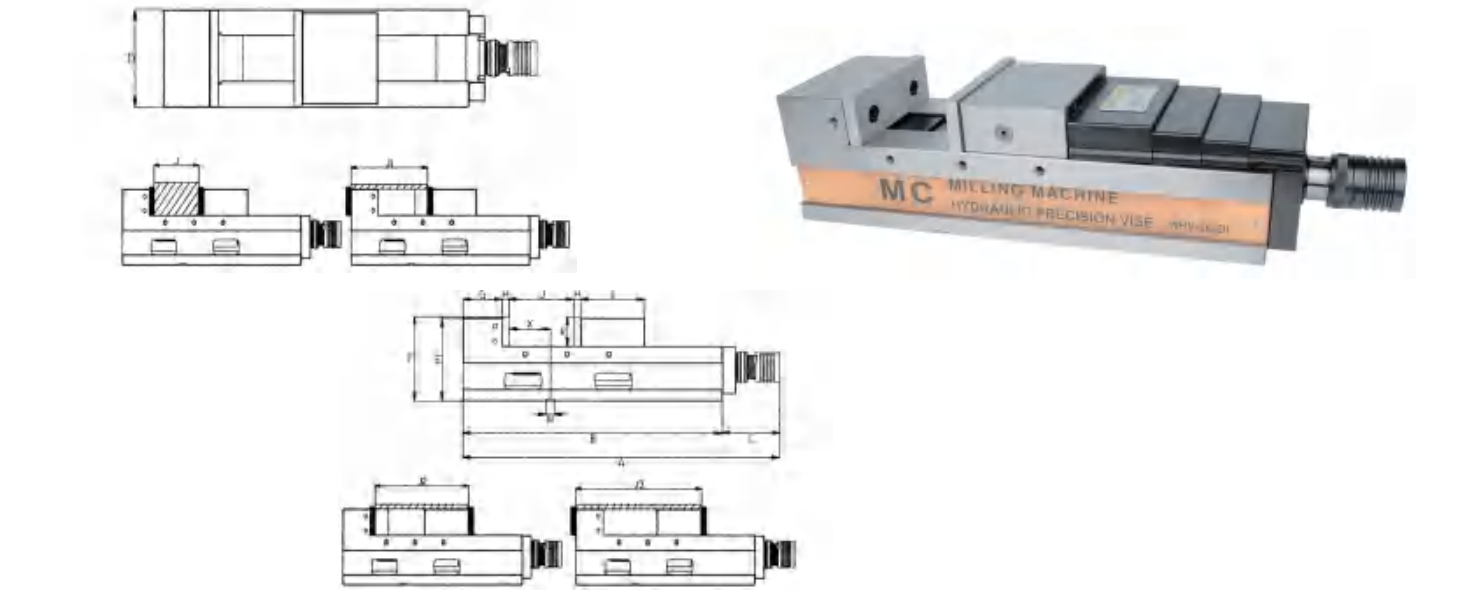
Model No.	A	B	c	D	E	F	G	H	I	J	J1	J2	J3	K	M	X	Clamping force (kgf)	Weight (kg)	Price
WGV-100D	464	340	124	102	130	133	65	15	110	0-130	65-210	110-240	175-305	48	18	45	4000	25	
WGV-130D	539	415	124	130	147	150	75	15	138	0-180	75-270	125-305	213-393	55	18	65	4500	36	
WGV-160D	639	515	124	160	160	163	85	15	138	0-240	85-320	138-358	223-443	58	18	99	4500	55	
WGV-160DL	684	560	124	160	160	163	85	15	138	0-300	85-400	138-438	223-523	58	18	99	4500	58	
WGV-200D	734	610	124	200	187	190	100	19	130	0-340	100-458	130-395	230-570	70	18	70	5000	89	

Self-Centering Vice



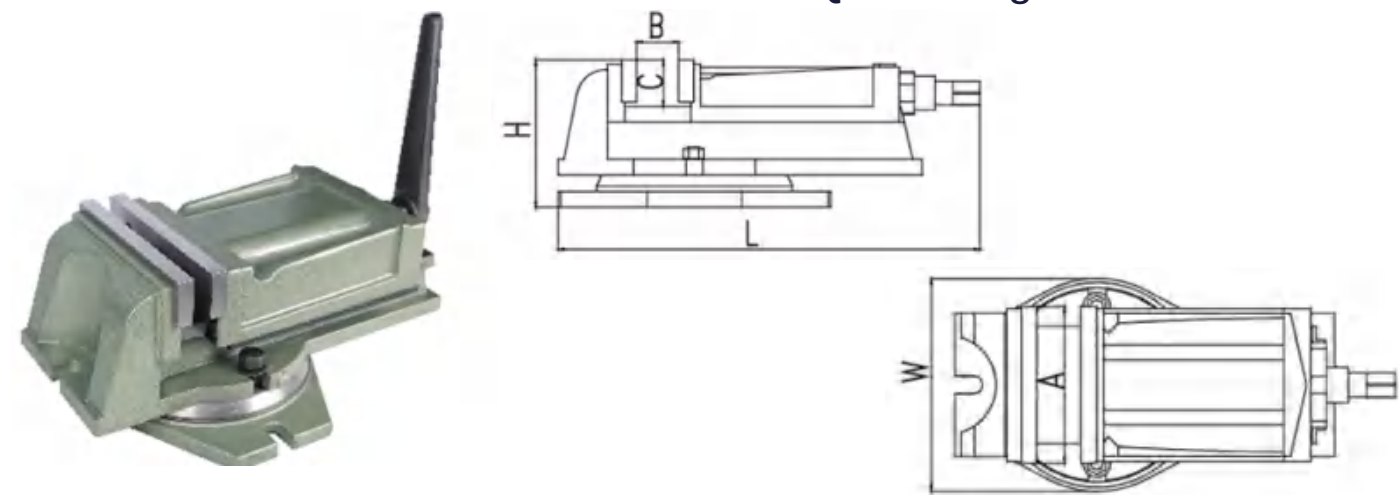
Model No.	A	B	C	D	E	G	H	I	J	K	L	M	N	O	P	Q	Price
CSV-2	59	60	13	120	143	0-50	38-85	-	17.5	-	13	13	-	18	60	60	
CSV-4	100	101	20	240	275	0-90	70-160	134-222	35	31	18	18	4	22	80	80	
CSV-6	160	161	70	370	440	0-200	86-285	-	42.5	-	28	28	-	22	105	105	

MC Precision Hydraulic Vise



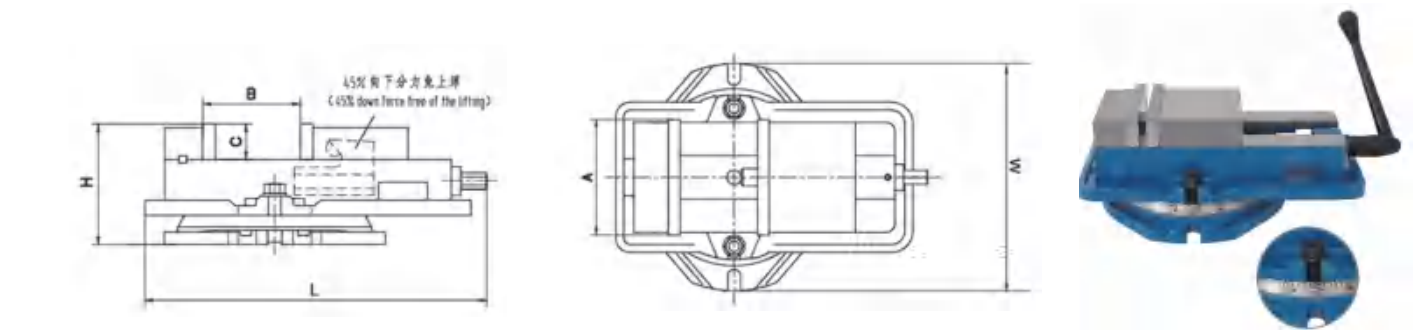
Model No.	A	B	C	D	E	F	G	H	I	J	J1	J2	J3	K	M	X	Clamping force (kgf)	Weight (kg)	Price
WHV-100D	475	340	135	102	130	133	65	15	110	0-130	65-210	110-240	175-305	48	18	45	4000	26	
WHV-130D	550	415	135	130	147	150	75	15	138	0-180	75-270	125-305	213-393	55	18	65	4500	38	
WHV-160D	650	515	135	160	160	163	85	15	138	0-240	85-320	138-358	223-443	58	18	99	4500	58	
WHV-160DL	695	560	135	160	160	163	85	15	138	0-300	85-400	138-438	223-523	58	18	99	4500	61	
WHV-200D	745	610	135	200	187	190	100	19	130	0-340	100-458	130-395	230-570	70	18	70	5000	90	

QH Milling Machine Vise



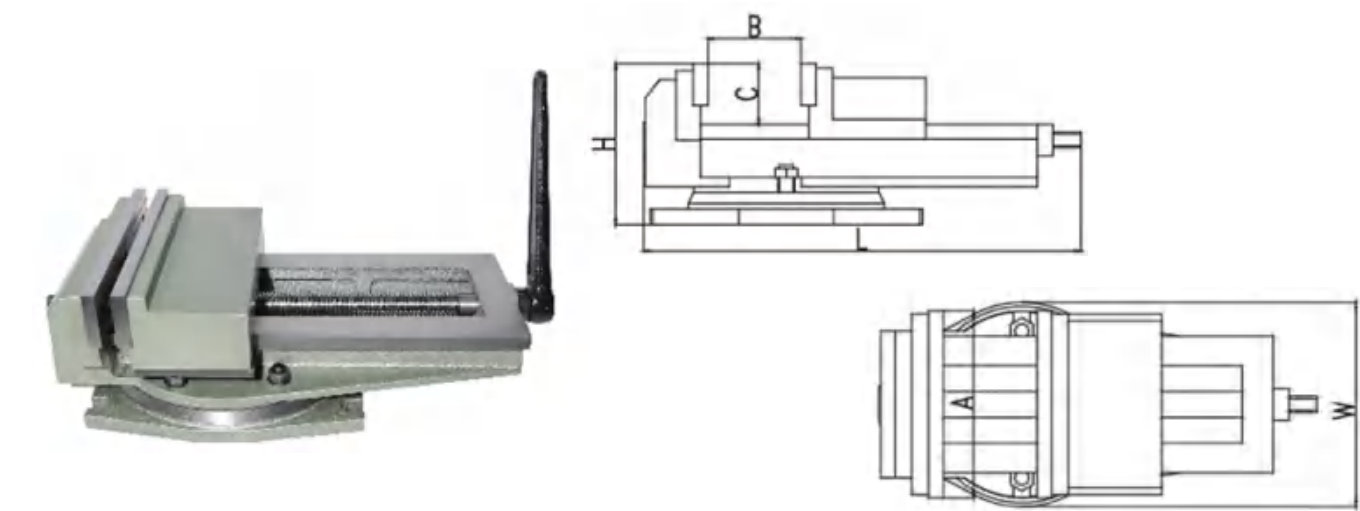
Model No.	A	B	C	L	W	H	(kg) G.W/N.W	QTY/CASE	(mm) PACKING SIZE	Price
QH1280	80	63	32	220	115	91	30/28	4	250x130x110	
QH12100	100	80	35	260	140	105	45/44	4	280x150x130	
QH12125	125	100	40	301	160	122	18/17	1	330x200x170	
QH12160	160	125	52	411	222	158	34/33	1	430x230x180	
QH12200	200	160	63	461	240	175	45/44	1	470x270x190	

QM16 Accu-Lock Machine Vise With Swivel Base



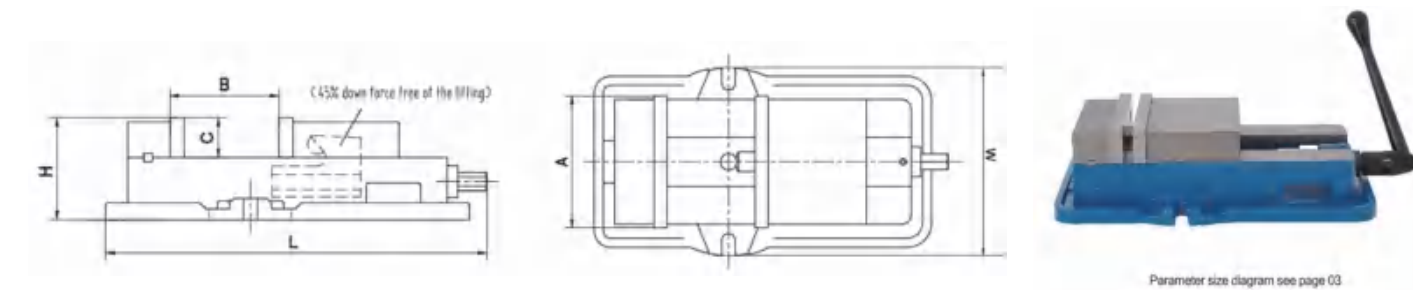
Model No.	A	B	C	L	W	H	(kg) G.W/N.W	(mm) PACKING SIZE	Price
QMW1660	54	66	19	200	124	76	6/5.5	230x180x120	
QMW1680	81	77	24	250	164	94	9/8.5	290x200x130	
QMW16100	101	116	32	328	204	120	17/16	360x250x150	
QMW16125	129	148	40	376	238	133	22/21	410x270x170	
QMW16160	160	160	45	432	278	147	37/36	450x320x180	
QMW16160L	160	200	45	475	278	147	38/37	480x320x180	
QMW16200	201	210	50	530	320	166	52/51	560x360x200	
QMW16200L	201	300	50	594	320	166	57/56	650x360x200	
QMW16200L	201	348	50	664	320	166	61 /60	650x360x200	

QB Planing Machine Vise



Model No.	A	B	C	L	W	H	(kg) G.W/N.W	(mm) PACKING SIZE	Price
QB13136	135	170	36	370	166	118	17/16	420x200x150	
QB13160	160	180	51	402	182	142	26/25	420x210x170	
QB13200	200	220	64	475	223	172	38/37	500x240x180	
QB13250	250	280	64	612	290	186	57/55	610x300x200	
QB13320	320	360	81	685	360	205	81/79	720x390x220	

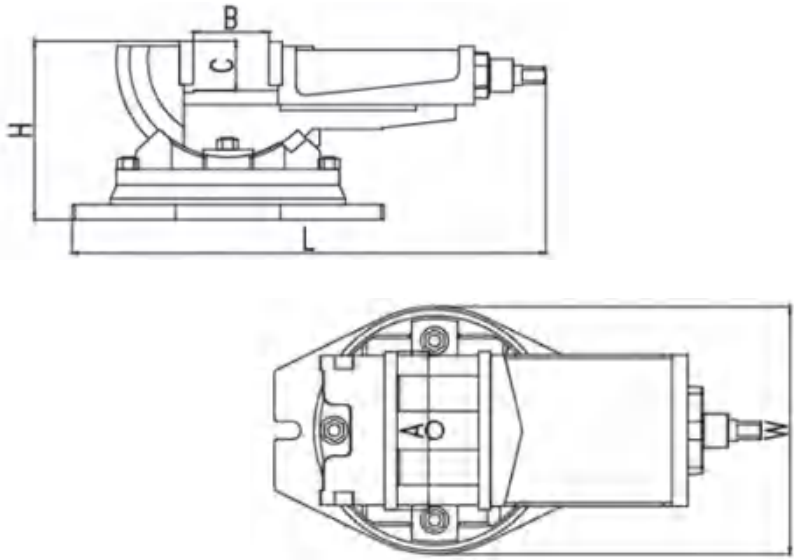
QM16 Accu-Lock Machine Vise (Fixed Type)



Model No.	A	B	c	L	W	H	(kg) G.W/N.W	(mm) PACKING SIZE	Price
QM1660	54	66	19	200	90	54	5/4.5	230x180x110	
QM1680	81	77	24	250	119	66	45/11	290x200x120	
QM16100	101	116	32	328	162	90	14/13	360x250x130	
QM16125	129	148	40	376	187	100	18/17	410x270x130	
QM16160	160	160	45	432	226	110	27/26	450x320x160	
QM16160A	160	160	45	432	226	110	25/24	450x320x160	
QM16160L	160	200	45	475	226	110	28/27	480x320x160	
QM16200	201	210	50	530	265	126	42/41	560x360x180	
QM16200L	201	300	50	594	265	126	47/46	650x360x180	
QM16200L	201	348	50	664	265	126	51/50	650x360x180	
QM16250	265	340	70	762	336	160	98/96	750x400x210	

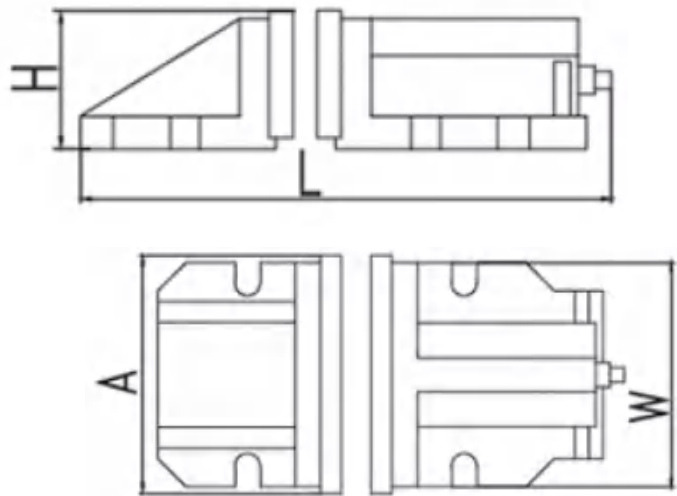
Machine Vise

QHK Tilting Machine



Model No.	A	B	C	L	W	H	G.W/N.W	(mm) PACKING SIZE	Price
QHK41100	100	80	41	300	182	148	18/17	350x210x200	
QHK41125	125	95	45	372	230	152	27/26	410x240x180	
QHK41125L	125	130	45	418	230	152	25/24	450x240x180	
QHK41160	160	125	50	420	250	196	38/37	440x260x200	

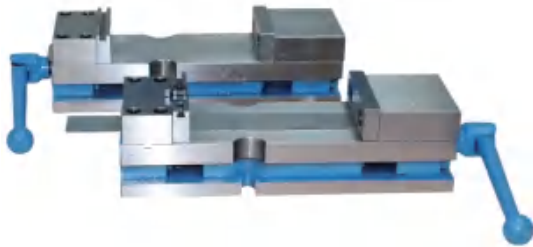
FNV Free Series Machine Vice



MODEL	A	H	L	W	JAW MICRO ADJUSTING SIZE (mm)	G.W/N.W (kg)	PACKING SIZE (mm)	Price
FNV160	160	81	350	150	0-16	19/18	350x170x130	
FNV200	200	81	400	190	0-24	29/28	410x210x150	

Machine Vise

QW Precision Machine Vlse



Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening (mm)	Depth of parallelism	Verticality	Packing size	NW/GW(kg)	Price
4"	102	34	165	0.005	0.005	38x18x14	12.5/13.5	
6"	153	44	230	0.005	0.005	57x25x15	28/30	

QX Precision Machine vise



Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening (mm)	Packing size	NW/GW(kg)	Price
4"	101	34	135	38x18x14	14/15	
6"	150	44	160	50x26x14	23/25	
8"	200	50	230	53x32x17	32/34	

EK Machine Vise With Swivel Base



Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening (mm)	Packing size	NW/GW(kg)	Price
4"	100	35	65	36x24x16	11/12	
5"	130	35	85	41x26x18	13/15	
6"	150	35	105	47x30x19	21/23	
8"	200	40	150	65x27x25	43/45	

Machine Vise



Heavy Duty Cross Vise

Model No.	(mm) WIDTH OF JAW	(mm) HEIGHT OF JAW	(mm) MAX. OPENING	G.W/N.W	(mm) PACKING SIZE	Price
Q9775	75	35	76	7.5/7.2	240x240x170	
Q97100	100	46	102	9.5/9	270x270x170	
Q97125	125	50	125	19/18	300x300x220	
Q97150	160	53	152	28/27	370x370x220	
Q97200	200	53	203	36/35	370x450x240	



JM Precision Cross Vise

Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening (mm)	X travel	Y travel	Packing size	NW/GW(kg)	Price
4"	100	34	85	140	80	41x36x22	10/11	
6"	150	40	135	150	110	51x40x23	15/16	
8"	200	54	165	160	140	54x42x24	22/24	

Machine Vise



JK Precision Quick Cross Vise

Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening g(mm)	X travel	Y travel	Packing size	NW/GW(kg)	Price
3"	82	32	80	100	60	33x30x21	7.5/9	
4"	102	39	100	110	70	41x36x22	10.5/12	
6"	156	46	150	120	100	51x40x23	14.5/16	
8"	204	50	200	130	120	44x40x24	21.5/24	



BMS Drill Precision Vise

Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening(mm)	Packing size	NW/GW(kg)	Price
3"	85	29	65	34x27x16	15/17	
4"	100	33	85	38x31x18	22/23	
5"	120	33	110	40x35x20	27/28.5	
6"	150	39	135	47x44x22	38/40	
8"	201	53	165	28x14x48	13/14	



TQ Precision Drill Press Vise

Model No.	Width of jaw (mm)	Height of jaw(mm)	Max.opening(mm)	Packing size	NW/GW(kg)	Price
4"	100	44	110	40x22x12	8/9	
6"	140	44	140	50x29x15	15/17	
8"	200	60	200	64x36x18	32/34	

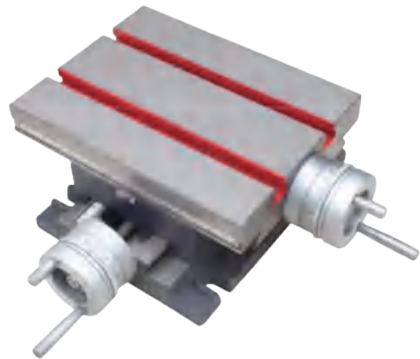
Working Table & Dividing Head



Working table

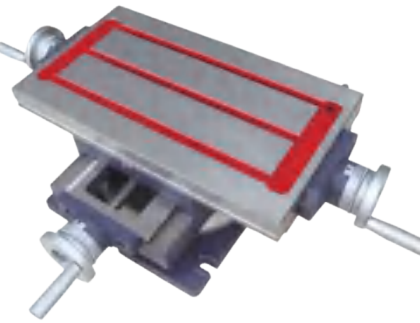
Cross Slide Table

Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	X travel	Y travel	Price
SCT-01	185	100	10	102	80	50	
SCT-02	225	175	12	108	105	90	
SCT-03	330	220	12	115	190	100	
SCT-04	425	240	12	125	225	150	
SCT-05	600	240	12	125	400	150	



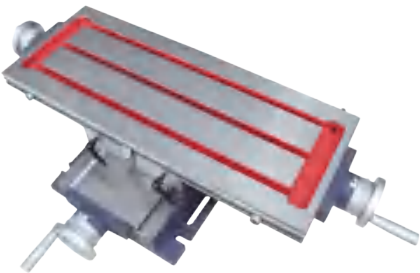
Cross Slide Table With Swivel Base

Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	x travel	Y travel	Price
SCT-302W	225	175	12	138	105	90	
SCT-03W	330	220	12	155	190	100	
SCT-04W	425	240	12	165	225	150	
SCT-05W	600	240	12	165	400	150	



Precision Cross Slide Table

Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	x travel	Y travel	Price
PSCT-04	425	240	12	150	225	150	
PSCT-005	600	240	12	150	400	150	
PSCT-006	730	210	12	154	500	210	



Working table

Dividing Head

Tilting Table



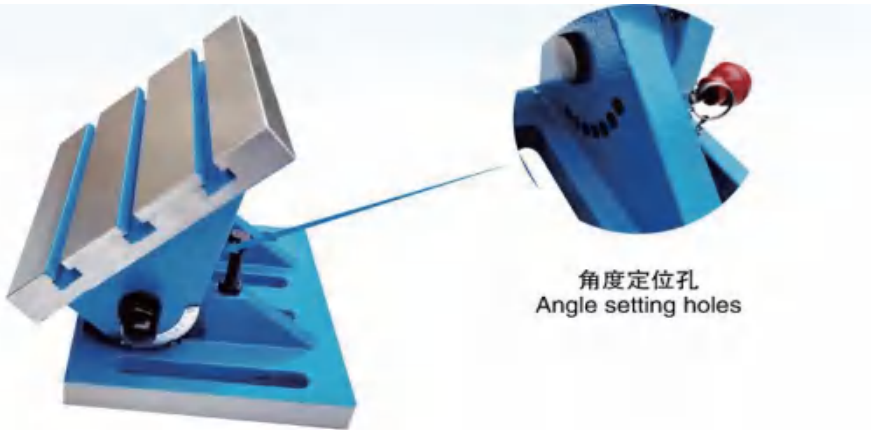
Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	Rotation angle	Price
TT-07	180	130	10	95	±45°	
TT-10	255	180	16	136	±45°	
TT-12	302	241	16	164	±45°	
TT-15	381	255	16	185	±45°	

Slide Angle Table With Swivel Base



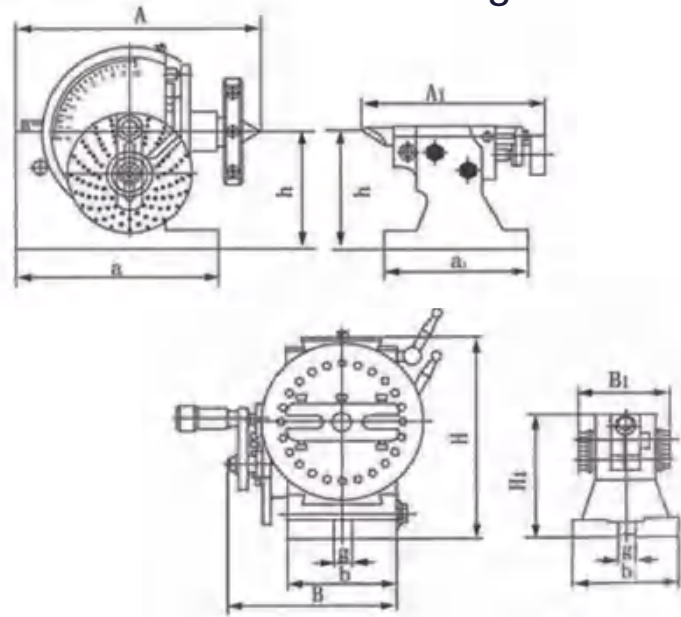
Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	Rotation angle	Price
STT-07	180	130	10	150	±45°	
STT-10	255	180	16	200	±45°	
STT-12	302	241	16	232	±45°	

90-°Angle Tilting Slide Table



Model No.	L(mm)	W(mm)	T-slot mm	H(mm)	Price
TST-06	150	130	102	10	
TST-08	200	150	127	10	
TST-010	255	200	152	12	
TST-012	300	255	175	16	
TST-015	385	305	215	16	

BS Semi-universal Dividing Head



Standard accessory
Optional accessory

Dividing plate A,B,C; Worm gear reduction ration 1:40
4inch or 5inch 3 jaw chuck for BS-0
5inch or 6inch 3 jaw chuck for BS-1
6inch, 7inch or 8inch 3 jaw chuck for BS-2

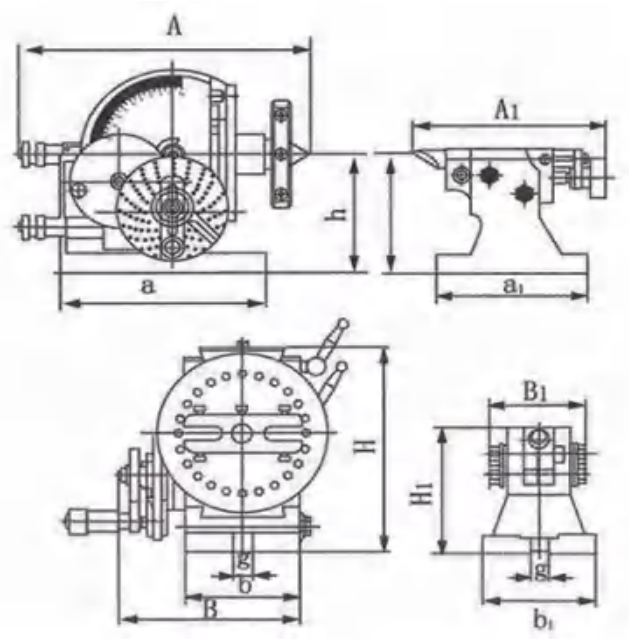
Model No.	A	8	H	h	a	b	g	Taper of center	Diameter of Spindle hole	N.W.(kg)	Price
BS-0	193	140	173	100	166	90	16	Mt2	18	22	
	7.59	5.51	6.81	3.93	6.53	3.54	0.63	B&S NO.7			
BS-1	242	180	220	128	206	113	16	Mt3	20	35.8	
	9.52	6.61	8.66	5.04	8.11	4.45	0.63	B&S NO.9			

Unit:mm								
Model No.	A1	B1	H1	h	a1	b1	g1	Price
BS-0	180	78	107	100	130	92	16	
	6.89	3.42	4.21	3.93	3.93	3.62	0.63	
BS-1	183	87	128	128	175	124	16	
	7.2	3.42	5.39	5.04	5.04	4.33	0.63	

Unit:mm	Tail Stock							Price
Numbers of hole	PlateA	15	16	17	18	19	20	
	PlateB	21	23	27	29	31	33	
	PlateC	37	39	41	43	47	49	

Dividing Head

BS Universal Dividing Head



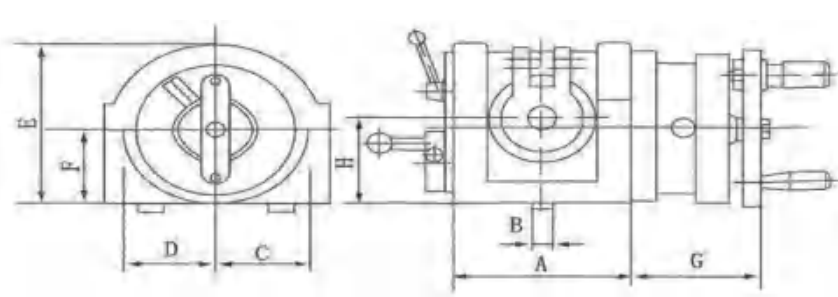
Model No.	A	B	H	h	a	b	g	Work hole taper	Price
BS-2	370	280	236	133	212	134	16	Mt4	
	14.57	11.02	9.29	5.24	8.35	5.28	0.63	B&SNO.10	

Model	A1	B1	H1	hi	a1	b1	gi	Price
BS/2	183	87	156	133	175	122	16	
	7.2	3.42	6.14	5.24	6.89	4.8	0.63	

Numbers of hole	PlateA	15	16	17	18	19	20
	PlateB	21	23	27	29	31	33
	PlateC	23	39	41	43	47	49

Dividing Head

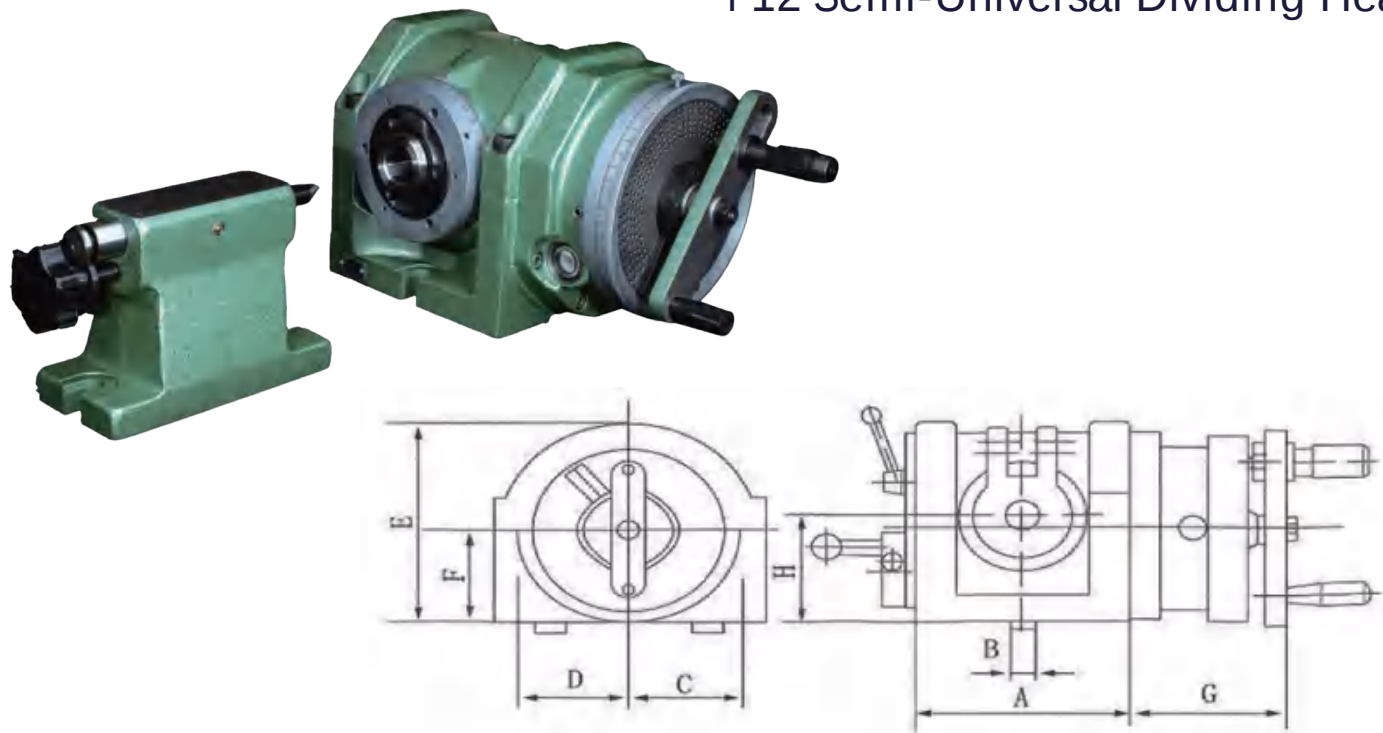
F11 Universal Dividing Head



Specificatoin		FW80	F11100A	F11125A	F11160A	F11200A
Center hight mm		80	100	125	160	200
Swivel angle of spindle from horizontal to upward		≤90°			≤95°	
Horizontal position(downward)		≤6°			≤5°	
Rotating angle of spindle for one domplete revolution dividing handle			9°(540grad; leach)			
Min.reading of vernier			10°			
Worm gear ratio			1: 40			
Taper of spindle bore		MT3		MT4		
Width of locating key mm		14		18		
Diameter of short taper of spindlenose for mounting flange mm		36.54	41.275	53.975	53.975	53.975
Numbers of hole in dividing plate	1st plate	24.25.28.30.34.37.38.39.41.42.43				
	2nd plate	46.47.49.51.53.54.57.58.59.62.66				
Change gear	Module	1.5		2		
	Teeth Numbers	25.30.35.40.50.55.30.70.80.90.100				
Individual indexing enor of the spirxfe for one complete revolution of diving handle				±45 "		
Cumulate error at any 1/4 periphery of spindle				±1 "		
Max.bearing kg		80	100	130	130	130
Net weight kg		36	67	101.5	113	130
Gross weight kg		45	79	111.5	125	140

Working table

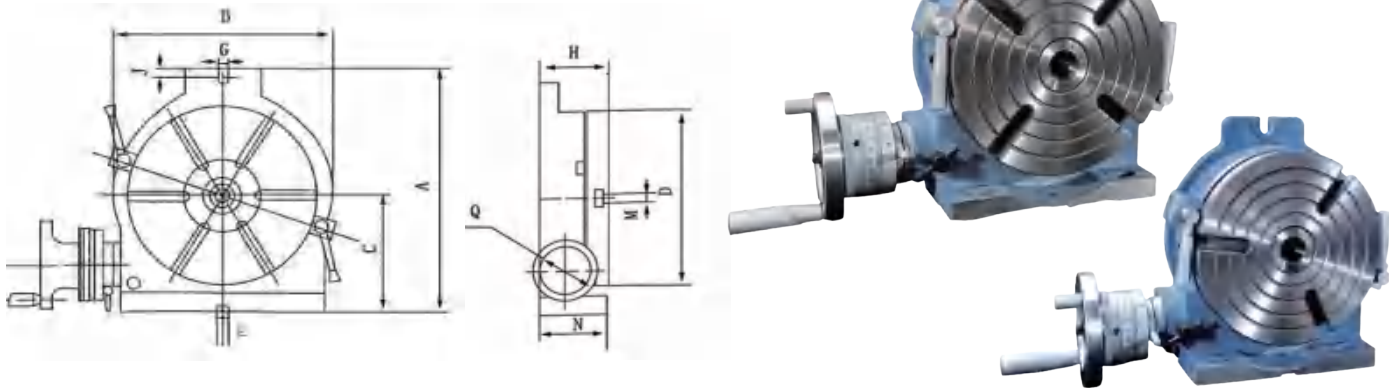
F12 Semi-Universal Dividing Head



Specificatoin	F12100	F12125	F12160	F12200	F1226D	F12300	F12400	F12500
Center hight mm	100	125	160	200	260	300	400	500
Swivel angel of spidte from horizontal to upward	≤95°	≤95°	≤95°	≤95°	≤95°	≤95°	≤95°	≤95°
Horizontal position (downward)	≤5°	≤5°	≤5°	≤5°	≤5°	≤5°	≤5°	≤5°
angle of spindle for one domptete resolution dividing handle	9*(540rad, each)							
Min.reading of vernier	10°	10°	10°	10°	10°	10°	10°	10°
Worm gear radio	1:40	1:40	1:40	1:40	1:40	1:40	1:40	1:40
Taper of spinde bore	MT3	MT4	MT4	MT4	MT6	MT6	MT6	MT5
Width of focating key mm	100	18	18	18	18/20	18/20	18/20	18/20
Diameter of short taper of spindlenose for mounting flange mm	41.275	53.975	53.975	53.975	52.563	52.563	52.563	106.375
Numbers of hole in dividing plate	1st plate							
	24.25.28.30.34.37.38.41.42.43							
	2nd plate							
	46.47.49.51.53.54.57.58.59.62.66							
Individual indexing error af the spridle for one complete revakition of diving handle	±45"	±45"	±45"	±45"	±45"	80°	80°	80°
Cumulate error at any 1/4 periphay of spindle	±1"	±1"	±1"	±1"	±70"	±70"	±70"	±70"
Max.bearing kg	100	130	130	130	100	130	130	130
Net weight Kg	57	83.5	100	130	/	/	/	/
Gcross weight Kg	69	96	114	140	/	/	/	/

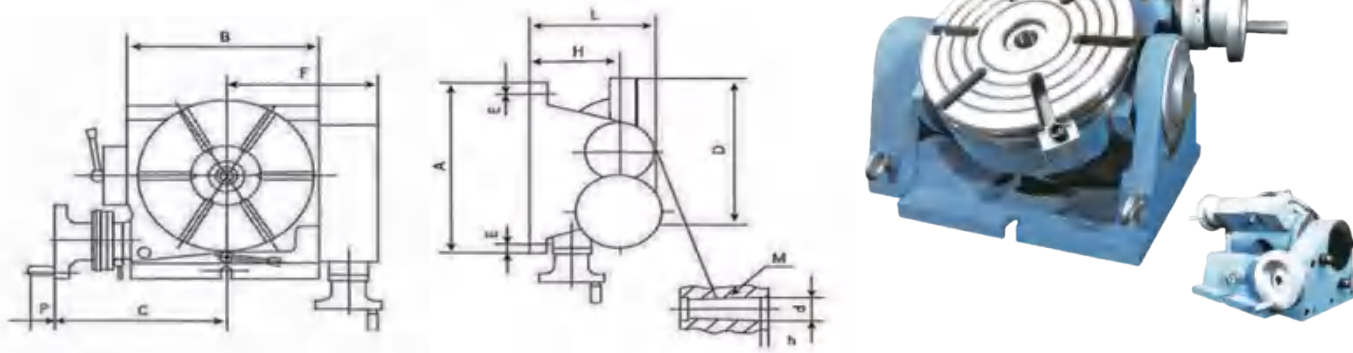
Working table

Horizontal/ Vertical Rotary Table



Model No.	Table			Base		T-slot Width	Location key Width	Center Sleeve	Worm Gear Ratio	Graduati on of	price
	D	B	C	A	B						
HV-3	76.2	83	59	98	78	8	12	MT2	1:36	360°	
HV-4	110	85	85.5	146	115	12	12	MT2	1:72	360°	
HV-5	127	85	90	156	127	12	12	MT2	1:72	360°	
HV-6	150	86	100	200	160	14	16	MT2	1:90	360°	
HV-8	200	105	135	265	220	14	16	MT3	1:90	360°	
HV-10	0:00	120	165	325	280	14	16	MT3	1:90	360°	
HV-12	300	135	195	388	330	16	16	MT4	1:90	360°	
HV-14	350	135	230	450	390	16	16	MT4	1:90	360°	
HV-16	400	145	260	525	450	16	18	MT4	1:90	360°	
HV-20	630	220	400	765	680	-	22	MT4	1:20	360°	

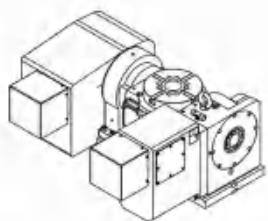
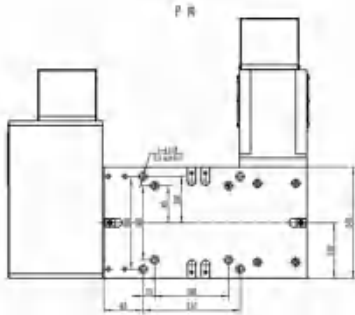
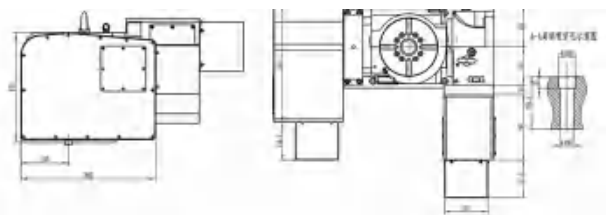
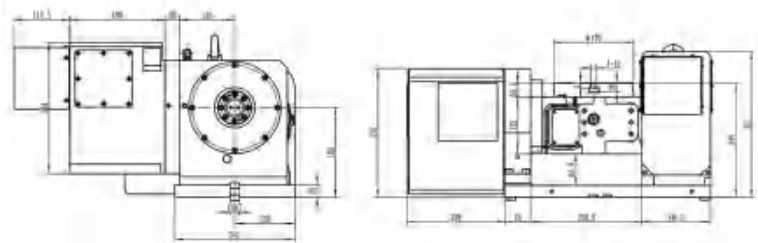
Tilting Rotary Table



Model No.	A	B	C	D	E	F	H	L	M	P	d	h	price
TSK160	255mm	172mm	168mm	160mm	11mm	138mm	100mm	160mm	MT2	40mm	25mm	6mm	
TSK200	296mm	213mm	156mm	200mm	14mm	175.5mm	120mm	150mm	MT3	40mm	30mm	6mm	
TSK250	310mm	252mm	235mm	250mm	14mm	199mm	140mm	205mm	MT3	40mm	30mm	6mm	
TSK320	380mm	322mm	252mm	320mm	16mm	241mm	175mm	255mm	MT4	40mm	40mm	10mm	
TSK400	500mm	400mm	306mm	400mm	16mm	295mm	217mm	320mm	MT4	50mm	40mm	10mm	

Working table

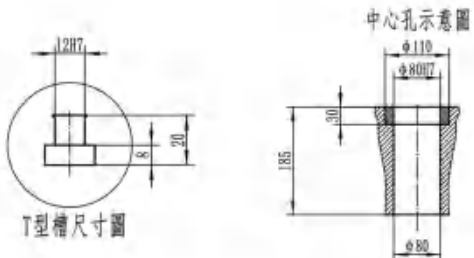
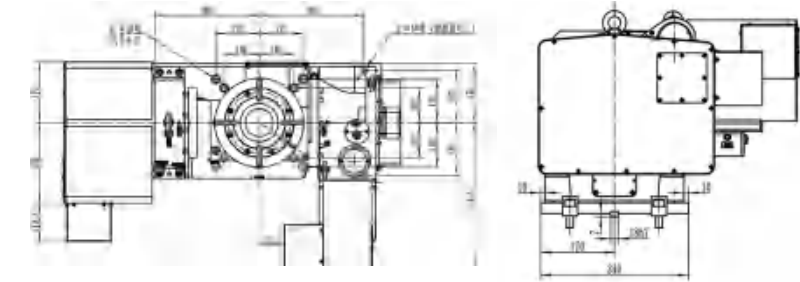
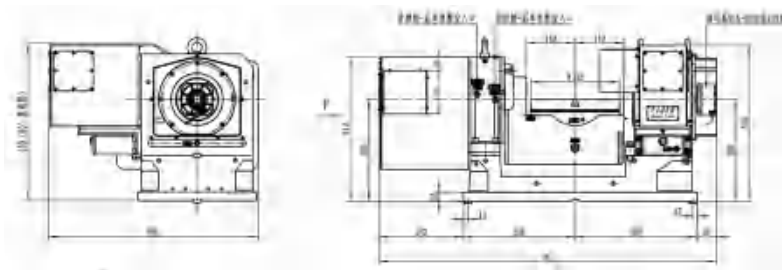
TVR-170A Five-Axis Rotary Table



Item	Unit	Specification	
Dia.of table	mm	170	
Dia.of center hole of table	mm	50	
Inner hole dia. Of center sleeve	mm	40	
Center through hole dia.	mm	40	
Height of table (Horizontal)	mm	245	
Width of T-slot of table	mm	12H7	
Width of location key	mm	18h7	
Specification of Axis		Rotary Spindle	Tilting Spindle
Minimum setting unit	deg	0.001	0.001
Dividing accuracy	sec	25	60
Repeat positioning accuracy	sec	8	8
Clamp system (by pneumatic)	Kg/cm ²	Air press(6)	Air Press(6)/Hydraulic(25)
Clamp torque	kgf.m	Air press(20)	Air Press(20)/Hydraulic(28)
Servo motor	FANUC	αis 4/βis 4	αis 4/βis 4
	Siemens	1FK7042	1FK7042
Reduction ratio	-	1/72	1:120
(4000rpm)Max.speed(FANUC α)	rpm	33.3	25
Total weight(without motor)	kg	130	
Permissible load inertia capacity	Kg.cm.sec ²	4.13	
Permissible workpiece load-Horizontal	kg	75	
Permissible workpiece load-Tilting	kg	50	
Permissible Load (Clamp)-Horizontal	kgf	750	
Permissible Load (Clamp)-Tilting	kgf.m	28	
Permissible cutting torque	kg.m	18	

Working table

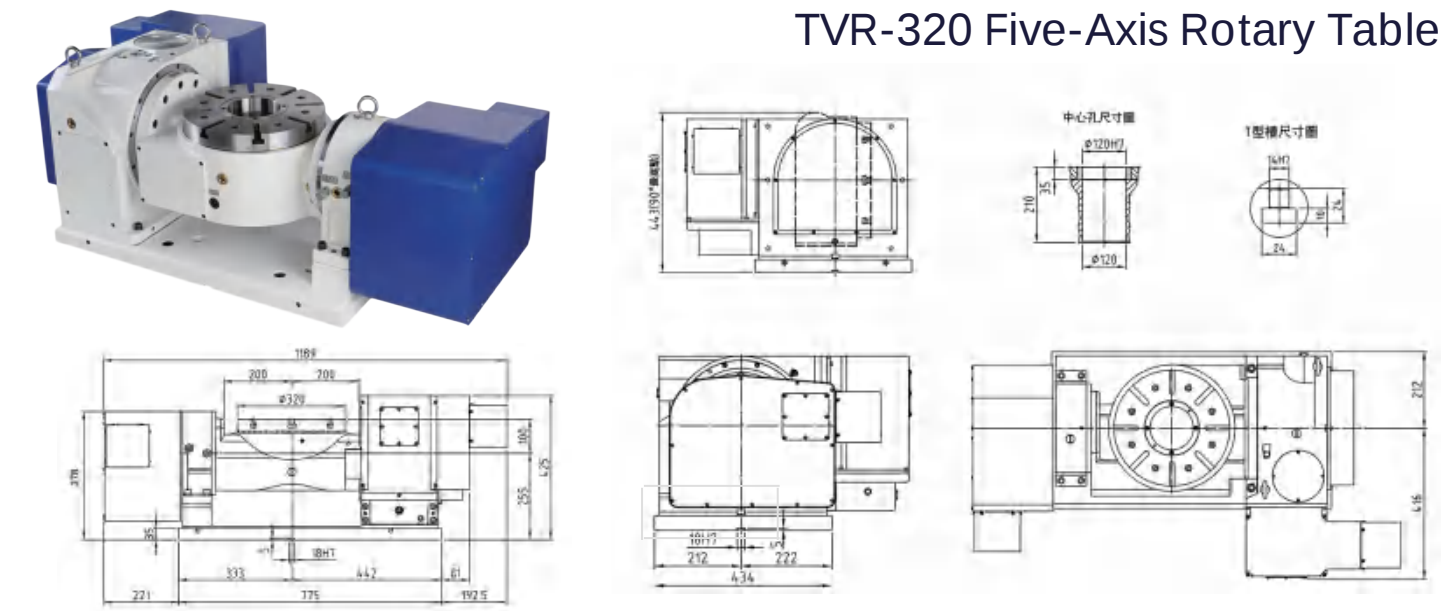
TVR-255 Five-Axis Rotary Table



Item	Unit	Specification	
Dia.of table	mm	255	
Dia.of center hole of table	mm	110	
Inner hole dia. Of center sleeve	mm	80	
Center through hole dia.	mm	80	
Height of table (Horizontal)	mm	290	
Width of T-slot of table	mm	4-12H7	
Width of location key	mm	18h7	
Specification of Axis		Rotary Spindle	Tilting Spindle
Minimum setting unit	deg	0.001	0.001
Dividing accuracy	sec	15	40
Repeat positioning accuracy	sec	4	8
Clamp system (by pneumatic)	Kg/cm ²	35	35
Clamp torque	kgf.m	70	140
Servo motor	FANUC	αi 8/βis12	αis8/βis12
	Siemens	1FK7063	1FK7063
Reduction ratio	-	1:120	
(4000rpm)Max.speed(FANUC α)	rpm	25	16.6
Total weight(without motor)	kg	300	
Permissible load inertia capacity	Kg.cm.sec ²	8.13	
Permissible workpiece load-Horizontal	kg	100	
Permissible workpiece load-Tilting	kg	75	
Permissible Load (Clamp)-Horizontal	kgf	1500	
Permissible Load (Clamp)-Tilting	kgf.m	140	
Permissible cutting torque	kg.m	55	

Working table

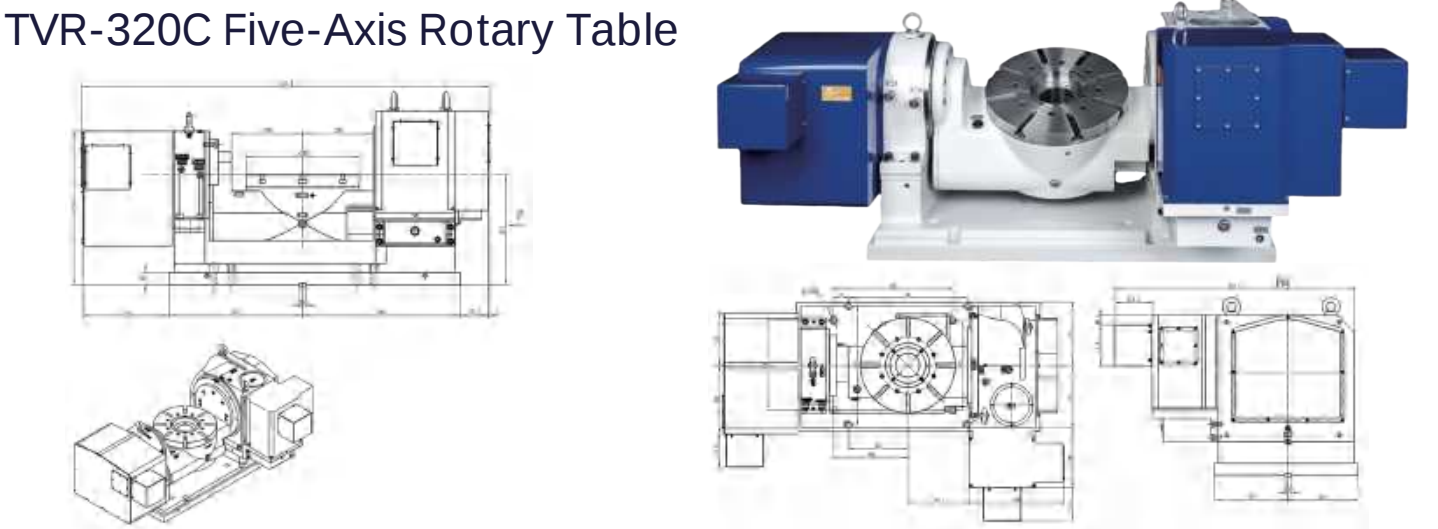
TVR-320 Five-Axis Rotary Table



Item	Unit	Specification	
Dia.of table	mm	320	
Dia.of center hole of table	mm	150	
Inner hole dia. Of center sleeve	mm	120H7	
Center through hole dia.	mm	120	
Height of table (Horizontal)	mm	355	
Width of T-slot of table	mm	8-14H7	
Width of location key	mm	18h7	
Specification of Axis		Rotary Spindle	Tilting Spindle
Minimum setting unit	deg	0.001	0.001
Dividing accuracy	sec	15	40
Repeat positioning accuracy	sec	4	4
Clamp system (by pneumatic)	Kg/cm ²	35	35
Clamp torque	kgf.m	115	175
Servo motor	FANUC	αis 8/βis 12	αis 8/βis 12
	Siemens	1FK7063	1FK7063
Reduction ratio	-	1:120	
(4000rpm)Max.speed(FANUC α)	rpm	25	16.6
Total weight(without motor)	kg	480	
Permissible load inertia capacity	Kg.cm.sec ²	25.6	
Permissible workpiece load-Horizontal	kg	200	
Permissible workpiece load-Tilting	kg	100	
Permissible Load (Clamp)-Horizontal	kgf	1800	
Permissible Load (Clamp)-Tilting	kgf.m	175	
Permissible cutting torque	kg.m	80	

Working table

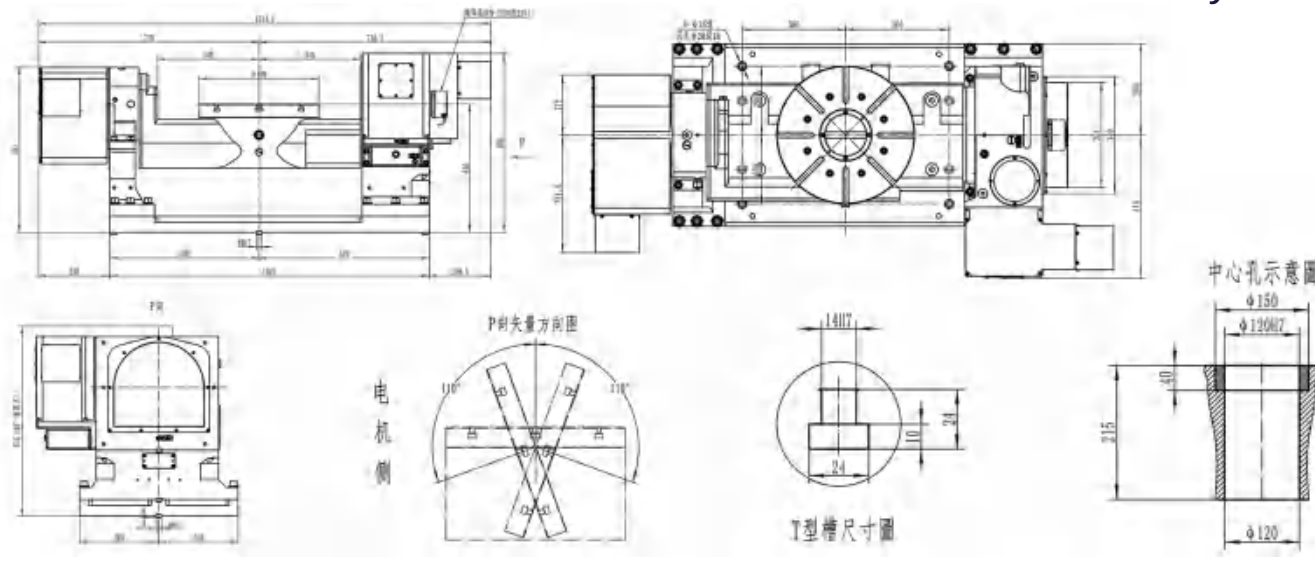
TVR-320C Five-Axis Rotary Table



Item	Unit	Specification	
Dia.of table	mm	320	
Dia.of center hole of table	mm	150	
Inner hole dia. Of center sleeve	mm	120 Deep30	
Center through hole dia.	mm	80	
Height of table (Horizontal)	mm	310	
Width of T-slot of table	mm	8-14H7	
Width of location key	mm	18h7	
Specification of Axis		Rotary Spindle	Tilting Spindle
Minimum setting unit	deg	0.001	0.001
Dividing accuracy	sec	15	40
Repeat positioning accuracy	sec	4	4
Clamp system (by pneumatic)	Kg/cm ²	35	35
Clamp torque	kgf.m	70	175
Servo motor	FANUC	αis 8/βis 12	αis 8/βis 12
	Siemens	1FK7063	1FK7083
Reduction ratio	-	1:120	
(4000rpm)Max.speed(FANUC α)	rpm	25	16.6
Total weight(without motor)	kg	500	
Permissible load inertia capacity	Kg.cm.sec ²	25.6	
Permissible workpiece load-Horizontal	kg	200	
Permissible workpiece load-Tilting	kg	100	
Permissible Load (Clamp)-Horizontal	kgf	1800	
Permissible Load (Clamp)-Tilting	kgf.m	175	
Permissible cutting torque	kg.m	80	

Working table

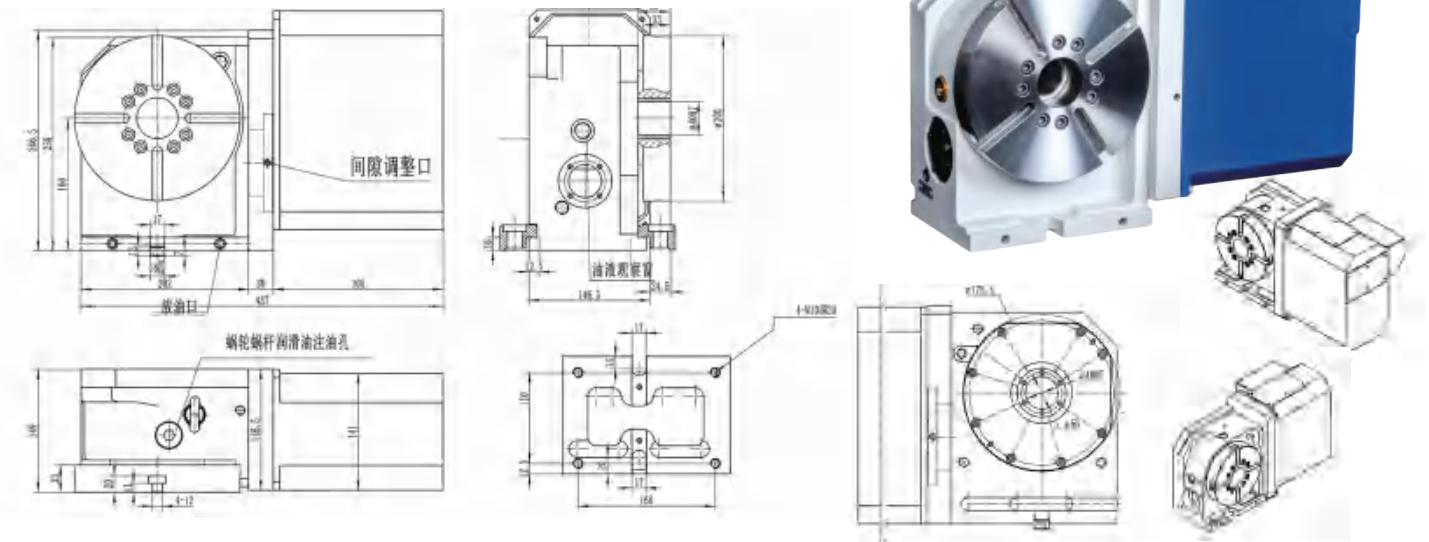
TVR-400 Five-Axis Rotary Table



Item	Unit	Specification	
Dia.of table	mm	400	
Dia.of center hole of table	mm	150x40	
Inner hole dia. Of center sleeve	mm	120H7	
Center through hole dia.	mm	120	
Height of table (Horizontal)	mm	430	
Width of T-slot of table	mm	8-14H7	
Width of location key	mm	18h7	
Specification of Axis		Rotary Spindle	Tilting Spindle
Minimum setting unit	deg	0.001	0.001
Dividing accuracy	arc.sec	15"	40
Repeat positioning accuracy	arc.sec	4"	4
Clamp system (by pneumatic)	Kg/cm ²	35	35
Clamp torque	kgf.m	115	175
Servo motor	FANUC	αis 12/βis 12	αis 12/βis 22
	Siemens	HG/HF-204	HG/HF-303
Reduction ratio	-	1:120	
(4000rpm)Max.speed(FANUC α)	rpm	16.6	
Total weight(without motor)	kg	820	
Permissible workpiece load-Horizontal	kg	200	
Permissible workpiece load-Tiling	kg	100	
Permissible Load (Clamp)-Horizontal	kgf	1800	
Permissible Load (Clamp)-Tiling	kgf.m	175	
Permissible cutting torque	kg.m	80	

Working table

Four-Axis Rotary Table

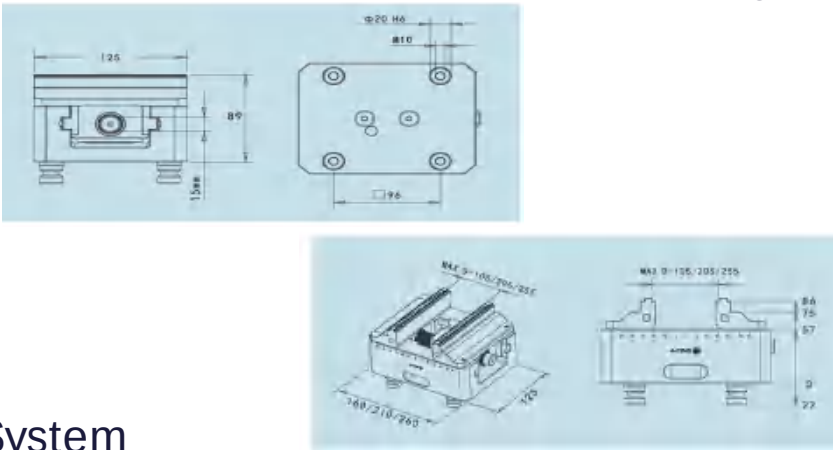


Item	Unit	TCV-200	TCV-210	TCV-250
Dia.of table	mm	200	210	250
Dia.of center hole of table	mm	50	67	67
Inner hole dia. Of center sleeve	mm	40	40	40
Center through hole dia.	mm	40	40	40
Center height (vertical position)	mm	160	160	160
Height of table(Horizontal)	mm	149	152	152
Width of T-slot of table	mm	12H7	12H7	12H7
Width of location key		18	18	18
Minimum setting unit	deg	0.001	0.001	0.001
Dividing accuracy	sec	15	25	25
Repeat positioning accuracy	sec	4	8	8
Clamp system(by pneumatic)	Kg/cm ²	0.5-0.7	0.5-0.7	0.5-0.7
Clamp torque	N.m	200	200	200
Servo motor	FANUC	α4i/β8is	α4i/β8is	α4i/β8is
	Siemens	1FK7060	1FK7060	1FK7060
Reduction ratio	-	1/90	1/90	1/90
(4000rpm)Max.speed(FANUC α)	rpm	44.4	44.4	44.4
Total weight(without motor)	kg	50	58	58
Permissible load inertia capacity	Kg.cm.sec ²	8.3	8.3	11.7
Permissible workpiece load-Horizontal	kg	85	85	85
Permissible Load (Clamp)-With tailstoc	kg	170	170	170
Permissible Load (Clamp)-Tiling	kg	170	170	170

Zero Point Quick Locking System

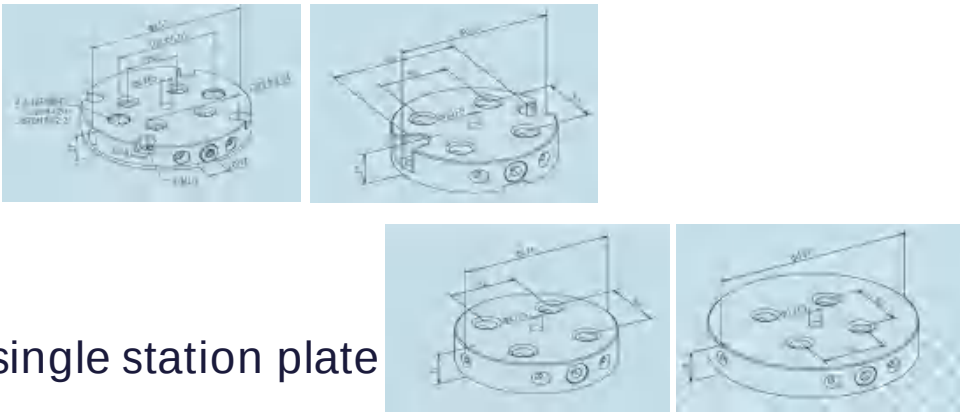


Self-Centering Vise



Zero Point Quick Locking System

Model No.	Base Length	Clamping Range	Max. driving torque	Repeating Accuracy	Max.Clamping Force	Fixed Center distance	Drawbar size	Price
3A-110185	160mm	0-155mm	100Nm	≤0.02mm	20000N	96mm	20mm	
3A-110186	210mm	0-205mm	100Nm	≤0.02mm	20000N	96mm	20mm	
3A-110187	260mm	0-255mm	100Nm	≤0.02mm	20000N	96mm	20mm	
3A-110188	310mm	0-305mm	100Nm	≤0.02mm	20000N	96mm	20mm	
3A-110189	360mm	0-355mm	100Nm	≤0.02mm	20000N	96mm	20mm	

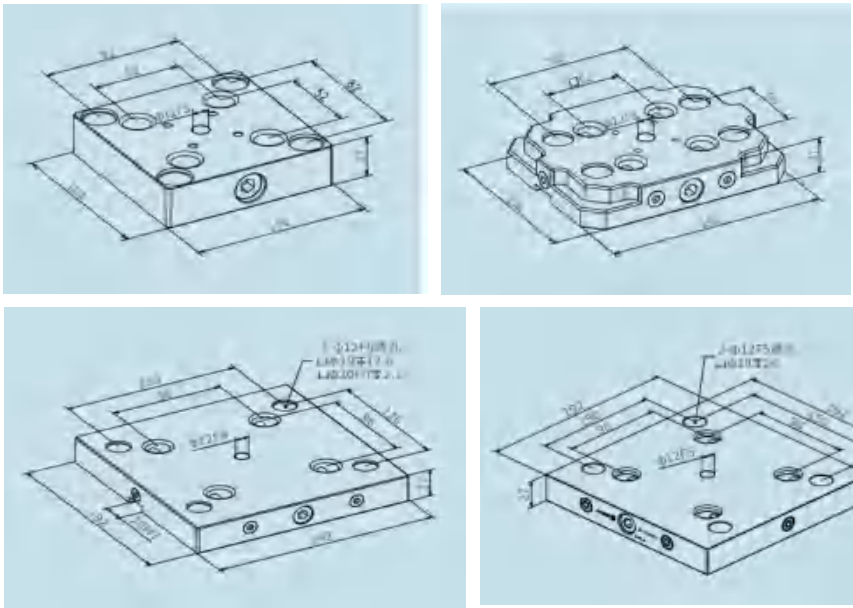


Zero Pinit Positioning single station plate

Model No.	Diameter	Thickness	Drawbar size	Set-up distance	Torque	Distance between mounting hole	Price
3A-110165	157mm	27mm	16mm	52mm	30Nm	100mm	
3A-110170	116mm	27mm	16mm	52mm	30Nm	96mm	
3A-110171	116mm	27mm	16mm	52mm	30Nm	without	
3A-110172	157mm	27mm	16mm	52mm	30Nm	cusomtized	
3A-110243	246mm	27mm	20mm	96mm	30Nm	63mm T-slot distance	
3A-110247	176mm	27mm	20mm	96mm	30Nm	63mm and150mm T-slot distance	
3A-110248	176mm	27mm	20mm	96mm	30Nm	cusomtized	

Zero Point Quick Locking System

Zero Pinit Positioning single station plate



Model No.	Size Length	Size Width	Size Thickness	Drawbar size	Set-up distance	Torque	Distance between mounting hole	Price
3A-110166	104mm	104mm	27mm	16mm	52mm	30Nm	cusomtized	
3A-110167	104mm	104mm	27mm	16mm	52mm	30Nm	with mounting hole	
3A-110168	150mm	116mm	27mm	16mm	52mm	30Nm	clamping edge & mounting holes	
3A-110169	150mm	116mm	27mm	16mm	52mm	30Nm	cusomtized	
3A-110162	192mm	156mm	27mm	20mm	96mm	30Nm	clamping edge & mounting holes	
3A-110242	192mm	192mm	27mm	20mm	96mm	30Nm	63mm T-slot distance	
3A-110246	192mm	156mm	27mm	20mm	96mm	30Nm	cusomtized	
3A-110161	192mm	156mm	27mm	20mm	96mm	30Nm	with mounting hole	
3A-110251	192mm	192mm	27mm	20mm	96mm	30Nm	cusomtized	
3A-110244	246mm	192mm	27mm	20mm	96mm	30Nm	100mm T-slot distance	
3A-110245	246mm	192mm	27mm	20mm	96mm	30Nm	cusomtized	

Tool Cart & Box

CNC Tool BOX

Tool Box for BT Collet Chuck

Model No.	Size	Holes	Material	Thickness	Size	Price
HS-G1-001	BT30	25	PP	5mm	380*380*85mm	
HS-G1-002	BT40	16	PP	5mm	380*380*85mm	
HS-G1-003	BT50	9	PP	5mm	380*380*85mm	



Tool Box for Endmill



Model No.	Size	Holes	Material	Thickness	Size	Price
HS-G1-004	4-16mm	288	PP	5mm	390*255*68mm	
HS-G1-005	4mm	464	PP	5mm	390*255*68mm	
HS-G1-006	6mm	432	PP	5mm	390*255*68mm	
HS-G1-007	8mm	276	PP	5mm	390*255*68mm	
HS-G1-008	10mm	240	PP	5mm	390*255*68mm	
HS-G1-009	12mm	128	PP	5mm	390*255*68mm	

Tool Box for Lathe Tool (Square hole)



Model No.	Size	Holes	Material	Thickness	Size	Price
HS-G1-010	16mm	96	PP	5mm	390*255*68mm	
HS-G1-011	20mm	84	PP	5mm	390*255*68mm	
HS-G1-012	25mm	60	PP	5mm	390*255*68mm	



Tool Box & Holder



Tool Box for Collet

Model No.	Size	Holes	Material	Thickness	Size	Price
HS-G1-013	ER16-32	92	PP	5mm	390*255*68mm	
HS-G1-014	ER16	96	PP	5mm	390*255*68mm	
HS-G1-015	ER20	84	PP	5mm	390*255*68mm	
HS-G1-016	ER25	60	PP	5mm	390*255*68mm	
HS-G1-017	ER32	40	PP	5mm	390*255*68mm	
HS-G1-018	SK10	96	PP	5mm	390*255*68mm	
HS-G1-019	SK13	84	PP	5mm	390*255*68mm	
HS-G1-020	SK16-20	60	PP	5mm	390*255*68mm	
HS-G1-021	SK25	40	PP	5mm	390*255*68mm	
HS-G1-022	ER8-40	75	PP	5mm	380*235*30mm	
HS-G1-023	ER25	60	PP	5mm	390*255*68mm	
HS-G1-024	ER32	35	PP	5mm	390*255*68mm	

CNC Tools Holder Keeper-Table Type



TAB1

TAB2

Model No.	Type	Holes	Size	Price
TAB1-01	BT30	10	570*290*220mm	
TAB1-02	BT40	7	570*290*220mm	
TAB1-03	BT50	5	570*290*220mm	
TAB2-01	BT30	20	570*290*220mm	
TAB2-02	BT40	14	570*290*220mm	
TAB2-03	BT50	10	570*290*220mm	

Tool Cart Holder

Tool Cart JXC

Model No.	Type	Holes	Size	Price
JXC-001	BT30	50	760*450*890mm	
JXC-002	BT40	35	760*450*890mm	
JXC-003	BT50	25	760*450*890mm	



Model No.	Type	Holes	Size	Price
ZYCA2-01	BT30	84	850*500*800mm	
ZYCA2-02	BT40	60	850*500*800mm	
ZYCA2-03	BT50	42	850*500*800mm	



CNC Tools Holder Keeper-Tool Cart

Model No.	Type	Holes	Size	Price
DJ105A-6-01	BT30	60	660*550*900mm	
DJ105A-6-02	BT40	42	660*550*900mm	
DJ105A-6-03	BT50	30	660*550*900mm	
DJ105A-6-04	HSK50	48	660*550*900mm	
DJ105A-6-05	HSK63	42	660*550*900mm	
DJ105A-6-06	HSK100	24	660*550*900mm	
DJ105A-8-01	BT30	112	870*550*1100mm	
DJ105A-8-02	BT40	80	870*550*1100mm	
DJ105A-8-03	BT50	56	870*550*1100mm	
DJ105A-8-04	HSK50	96	870*550*1100mm	
DJ105A-8-05	HSK63	90	870*550*1100mm	
DJ105A-8-06	HSK100	48	870*550*1100mm	
DJ105A-10-01	BT30	140	870*550*1300mm	
DJ105A-10-02	BT40	100	870*550*1300mm	
DJ105A-10-03	BT50	70	870*550*1300mm	
DJ105A-10-04	HSK50	120	870*550*1300mm	
DJ105A-10-05	HSK63	100	870*550*1300mm	
DJ105A-10-06	HSK100	60	870*550*1300mm	



Model No.	Type	Holes	Size	Price
ZYCA3-001	BT30	60	660*800*815mm	
ZYCA3-002	BT40	42	660*800*815mm	
ZYCA3-003	BT50	30	660*800*815mm	
ZYCA3-004	HSK50	48	660*800*815mm	
ZYCA3-005	HSK63	42	660*800*815mm	
ZYCA3-006	HSK100	24	660*800*815mm	

CNC Tools Holder



CNC Tools Holder Keeper-Tool Cart

Model No.	Type	Holes	Size	Price
DJ104LC-01	BT30	70	865*495*1015mm	
DJ104LC-02	BT40	50	865*495*1015mm	
DJ104LC-03	BT50	35	865*495*1015mm	
DJ104LC-04	HSK50	60	865*495*1015mm	
DJ104LC-05	HSK63	50	865*495*1015mm	
DJ104LC-06	HSK100	30	865*495*1015mm	



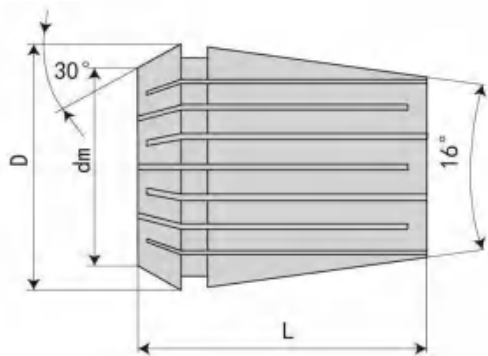
CNC Tools Holder Keeper-Tool Cart

Model No.	Type	Holes	Size	Price
DJ103LC-01	BT30	112	880*500*1540mm	
DJ103LC-02	BT40	80	880*500*1540mm	
DJ103LC-03	BT50	56	880*500*1540mm	
DJ103LC-04	HSK50	96	880*500*1540mm	
DJ103LC-05	HSK63	80	880*500*1540mm	
DJ103LC-06	HSK100	48	880*500*1540mm	

Collet and Accessory



Collet and Accessory



ER Collet

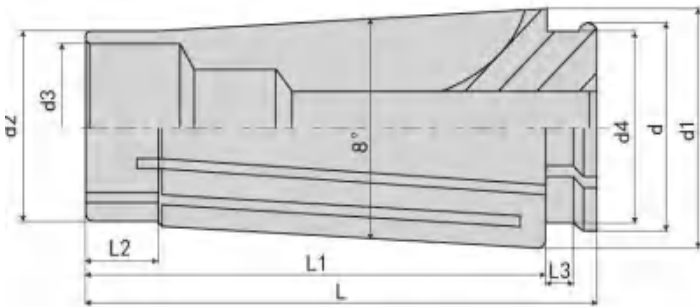
Model No.	L4	d	Run out	Price
ER8	12	3	0.008/0.005mm	
ER11	15	5	0.008/0.005mm	
ER16	24	6	0.008/0.005mm	
ER20	32	8	0.008/0.005mm	
ER25	48	12	0.008/0.005mm	
ER32	64	16	0.008/0.005mm	
ER40	80	20	0.008/0.005mm	
ER50	100	25	0.008/0.005mm	

ER Collet Set

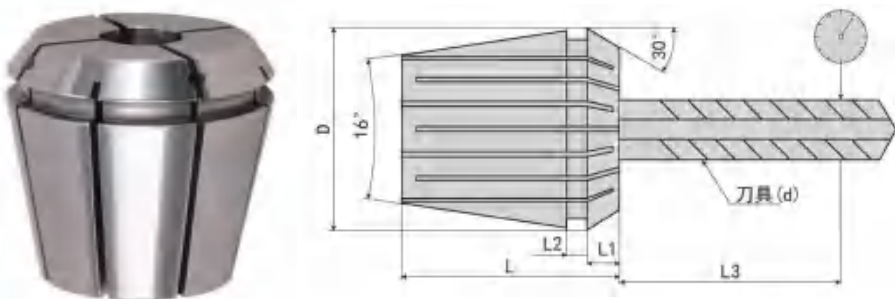


Model No.	Capacity	Type	PCS/SET	Price
ER11S	3-7	3 4 4.5 5 5.5 6 6.5 7	8	
ER16S	3-10	3 4 5 6 7 8 9 10	8	
ER20S	3-13	3 4 5 6 7 8 9 10 11 12 13	11	
ER25S	3-16	3 4 5 6 7 8 9 10 11 12 13 14 15 16	14	
ER32S	3-20	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	18	
ER40S	4-26	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	23	
ER50S	12-34	12 14 16 18 20 22 24 26 28 30 32 34	12	

SK Collet



ER Coolant Collet



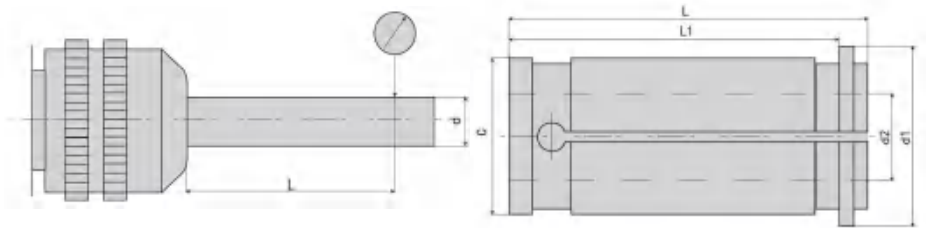
Model	D	L	Run out	Price
ER11C	11	18	0.008/0.005mm	
ER16C	16	27.5	0.008/0.005mm	
ER20C	20	31.5	0.008/0.005mm	
ER25C	25	34	0.008/0.005mm	
ER32C	32	40	0.008/0.005mm	
ER40C	40	46	0.008/0.005mm	
ER50C	50	60	0.008/0.005mm	

Model	d	d1	d2	d3	d4	L	L1	L2	L3 I	Price
SK06	8.9(8.6)	10.4(10.25)	7.5	6	7.6	25	17.4	3.8	2.2	
SK10	13.4(13)	15.45(15.3)	12	9.5	11.8	30.5	21.1	5.1	2.4	
SK13	17.05	19.97	15.5	12.5	15.1	39	27	6.5	2.4	
SK16	20.85	24.52	18.8	15.5	19	45	32.4	7.5	2.5	
SK20	24.95	29.1	22.6	19.5	23	54	40.7	8	2.9	
SK25	31	35.7	28.9	25	28.5	57	43.1	8.4	3	

Collet and Accessory

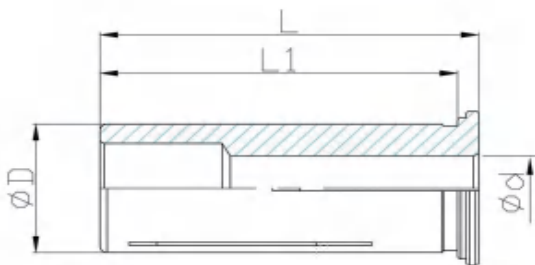


Straight Collet



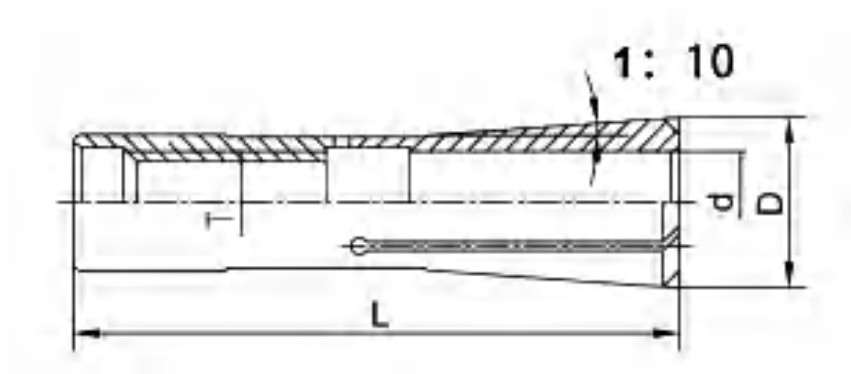
Model	d2 Range	C	d1	L	L1	Price
SC16	3/4/5/6/7/8/9/10/11/12	16	25	49	47	
SC20	3/4/5/6/7/8/9/10/11/12/13/14/15/16	20	25	53	49	
SC22	3/4/5/6/7/8/9/10/11/12/13/14/15/16	22	26	55	52	
SC25	3/4/5/6/7/8/9/10/11 /12/13/14/15/16/18/19/20	25	30	60	55	
SC32	3/4/5/6/7/8/9/10/11/12/13/14/15/16/18/19/20/21/22/23/24/25/26	32	38	65	60	
SC42	3/4/5/6/7/8/9/10/11/12/13/14/15/16/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36	42	47	75	69	
Inch size can be ordered						

Hydraulic Collet



Model No.	d	D	L	L1	Price	Model No.	d	D	L	L1	Price
HC12-3	3					HC20-3	3				
HC12-4	4					HC20-4	4				
HC12-5	5					HC20-5	5				
HC12-6	6	12	47	45		HC20-6	6				
HC12-7	7					HC20-7	7				
HC12-8	8					HC20-8	8				
HC12-9	9					HC20-9	9				
HC32-6	6					HC20-10	10	20	53.5	50.5	
HC32-8	8					HC20-11	11				
HC32-10	10					HC20-12	12				
HC32-12	12					HC20-13	13				
HC32-14	14					HC20-14	14				
HC32-16	16	32	64.5	61		HC20-15	15				
HC32-18	18					HC20-16	16				
HC32-19	19										
HC32-20	20										
HC32-24	24										
HC32-25	25										

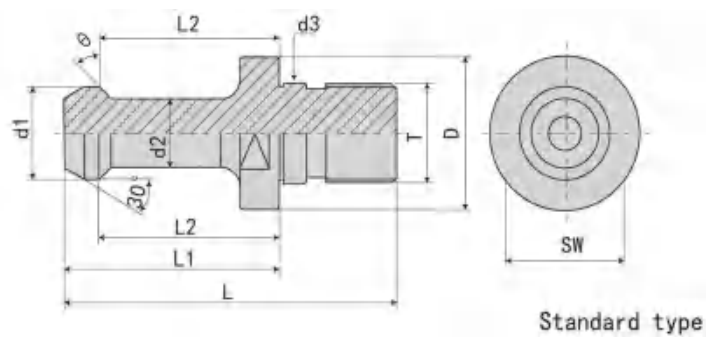
DC Collet



Model No.	Clamping Range	d	D	L	T	Price
DC6-2	2	2				
DC6-3	3	3				
DC6-3.175	3.175	3.175	9.6	36	M5xQ.8P	
DC6-4	4	4				
DC6-5	5	5				
DC6-6	6	6				
DC8-3	3	3				
DC8-3.175	3.175	3.175				
DC8-4	4	4	15	45	M5x0.8P	
DC8-5	5	5				
DC8-6	6	6				
DC8-7	7	7				
DC8-8	8	8				
DC12-3	3	3				
DC12-3.175	3.175	3.175				
DC12-4	4	4				
DC12-5	5	5				
DC12-6	6	6	22	66	M8x1.25P	
DC12-7	7	7				
DC12-8	8	8				
DC12-10	10	10				
DC12-11	11	11				
DG12-12	12	12				
DC16-5	5	5				
DC16-6	6	6				
DC16-7	7	7				
DC16-8	8	8				
DC16-9	9	9				
DC16-10	10	10	24	61	M8x1.25P	
DC16-11	11	11				
DC16-12	12	12				
DC16-13	13	13				
DC16-14	14	14				
DC16-15	15	15				
DC16-16	16	16				

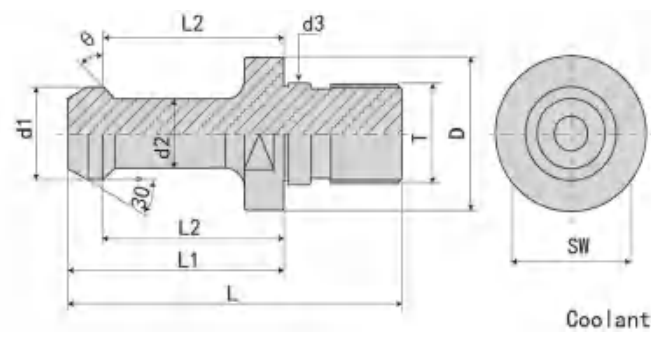
Pull Stud

JAPANESE STANDARD PULL STUD MAS ISO 7388/2-1984



Standard type

MODEL	D	d1	d2	d3	L	L1	L2	T	KGS	Price
BT30-45°	16.5	11	7	12.5	43	23	18	M12	0.04	
BT40-45°	23	15	10	17	60	35	28	M16	0.1	
BT50-45°	38	23	17	25	85	45	35	M24	0.3	
BT60-45°	56	32	24	31	115	65	53	M30	0.4	
BT30-60°	16.5	11	7	12.5	43	23	18	M12	0.04	
BT40-60°	23	15	10	17	60	35	28	M16	0.1	
BT50-60°	38	23	17	25	85	45	35	M24	0.3	
BT60-60°	56	32	24	31	115	65	53	M30	0.4	
BT30-90°	16.5	11	7	12.5	43	23	18	M12	0.04	
BT40-90°	23	15	10	17	60	35	28	M16	0.1	
BT50-90°	38	23	17	25	85	45	35	M24	0.3	
BT60-90°	56	32	24	31	115	65	53	M30	0.4	

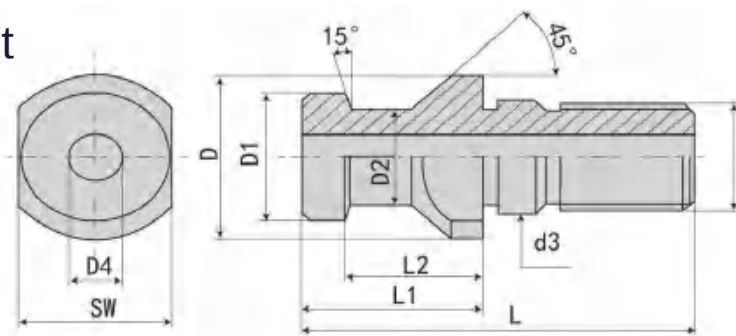


Coolant

MODEL	D	D4	d1	d2	d3	L	L1	L2	T	KGS	Price
BT30-45°W	16.5	3	11	7	12.5	43	23	18	M12	0.04	
BT40-45°W	23	4	15	10	17	60	35	28	M16	0.1	
BT50-45°W	38	6	23	17	25	85	45	35	M24	0.3	
BT60-45°W	56	14	32	24	31	115	65	53	M30	0.4	
BT30-60°W	16.5	3	11	7	12.5	43	23	18	M12	0.04	
BT40-60°W	23	4	15	10	17	60	35	28	M16	0.1	
BT50-60°W	38	6	23	17	25	85	45	35	M24	0.3	
BT60-30°W	56	14	32	24	31	115	65	53	M30	0.4	
BT30-90°W	16.5	3	11	7	12.5	43	23	18	M12	0.04	
BT40-90°W	23	4	15	10	17	60	35	28	M16	0.1	
BT50-90°W	38	6	23	17	25	85	45	35	M24	0.3	
BT60-90°W	56	14	32	24	31	115	65	53	M30	0.4	

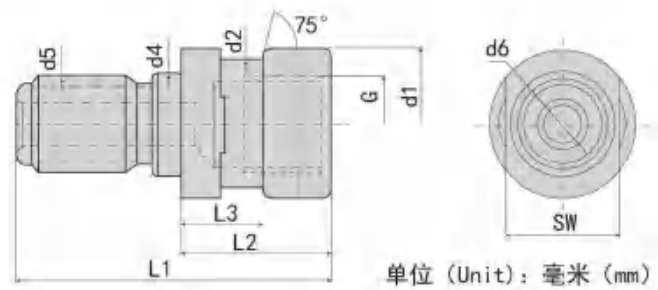
Collet and Accessory

Coolant



MODEL	D	D1	D2	d3	D4	L	L1	L2	L3	L4	SW	Price
SK30A	17	13	9	13	-	44	24	19	-	-	14	
SK40A	23	19	14	17	7	54	26	20	-	-	19	
SK50A	36	28	21	25	11.5	74	34	25	-	-	30	
SK60A	52	40	30	32	14	90	40	30	60	-	46	
SK30B	17	13	9	13	-	44	24	19	-	2.3	14	
SK40B	23	19	14	17	7	54	26	20	27	3	19	
SK50B	36	28	21	25	11.5	74	34	25	37	4.5	30	
SK60B	52	40	30	32	14	90	40	30	60	-	46	

CAT AMERICAN STANDARD SCREW THREAD PULLSTUD



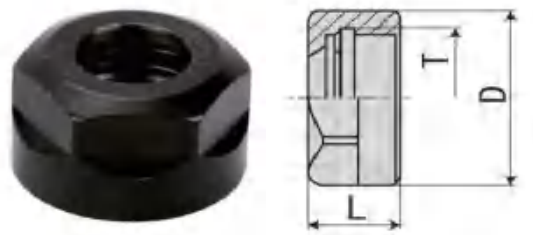
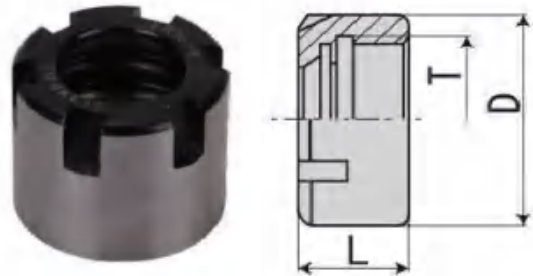
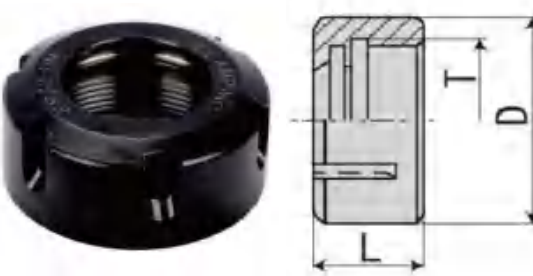
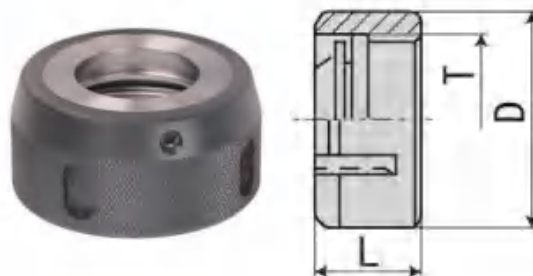
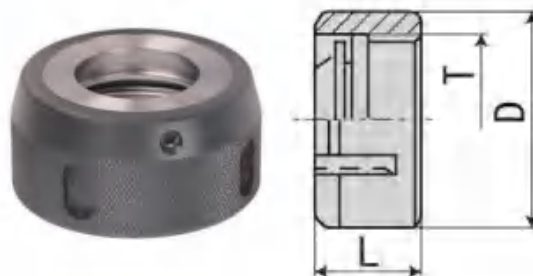
单位 (Unit): 毫米 (mm)



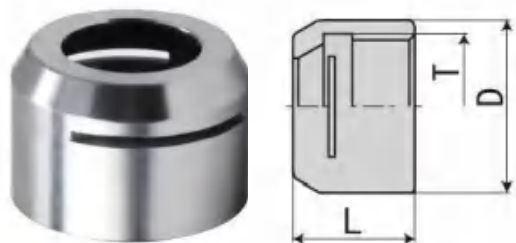
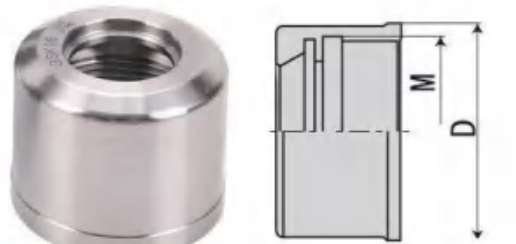
Model	d1	d2	d4	d5	d6	L1	L2	L3	G	SW	KGS	Price
OTT40	25	21.1	17	M16*2.0P	7	53	25.1	13.6	M16*2.0P	19	0.09	
OTT50	39.6	30.2	25	M24*3.0P	7	65.1	25.1	13.3	M24*3.0P	30	0.17	

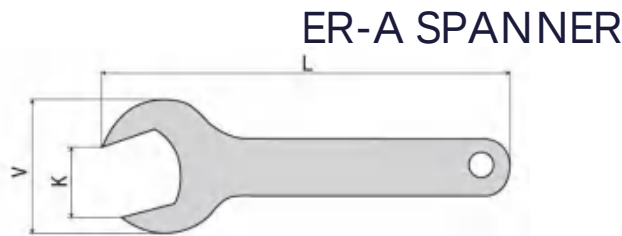
MODEL	d1	d2	d3	d5	d6	L1	L2	L3	SW	α	KGS	Price
CAT40-45° U					-					45°	0.07	
CAT40-45° U/T					4					45°	0.06	
CAT40-60° U	15	10	23	5/8"-11UNC	-	57	32	25	19	60°	0.07	
CAT40-60° U/T					4					60°	0.06	
CAT40-90° U					-					90°	0.07	
CAT40-90° U/T					4					90°	0.06	
CAT50-45° U					-					45°	0.26	
CAT50-45° U/T					8.5					45°	0.22	
CAT50-60°U	23	17	38	1"-8UNC	-	78.6	45	35	30	60°	0.26	
CAT50-60° U/T					8.5					60°	0.22	
CAT50-90° U					-					90°	0.26	
CAT50-90° U/T					8.5					90°	0.22	

ER Nut

Model No.	Picture	Model No.	D	L	T	Price
A		ER8A	13.5	11	M10*0.75P	
		ER11A	19	11.3	M14*0.75P	
		ER16A	28	17.5	M22*1.5P	
		ER20A	34	19	M25*1.5P	
M		ER8M	12	11	M10*0.75P	
		ER11M	16	12	M13*0.75P	
		ER16M	22	18	M19*1.0P	
		ER20M	28	19	M24*1.0P	
UM/RD		ER25M	35	20	M30*1.0P	
		ER16UM	32	17	M22*1.5P	
		ER20UM	35	19	M2.5*1.5P	
		ER25UM	42	20	M32*1.5P	
KM/RD		ER32UM	50	22.5	M40*1.5P	
		ER40UM	63	25.5	M50*1.5P	
		ER50UM	78	35.5	M64*2.0P	
		ER25KM	42	20	M32*1.5P	
		ER32KM	50	22.5	M40*1.5P	
		ER40KM	63	25.5	M50*1.5P	
		ER50KM	78	35.5	M64*2.0P	

ER Nut

Model No.	Picture	Model No.	D	L	T	Price	
MS		ER11MS	16	11.3	M13*0.75P		
		ER16MS	22	17	M19*1.0P		
		ER20MS	28	19	M24*1.0P		
		ER25MS	35	23	M30*1.0P		
GER		GER16	30	23	M19*1.0P		
		GER20	35	25	M24*1.0P		
		GER25	40	26	M30*1.0P		
		GER32	50	30	M40*1.5P		
Type		Model No.	D	L	Fig1	Fig2	T
GSK		GSK6	19.5	15	21		M15.5*1
		GSK10	27.5	17	24		M21.5*1
		GSK16	40	24	31		M32*1.5
		GSK20	48	27	35		M40*1.5
		GSK25	50	30	37		M40*1.5



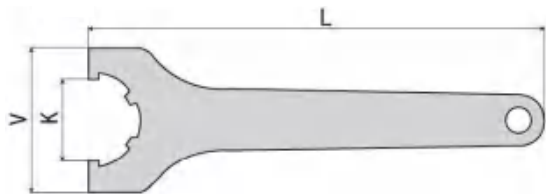
ER-A SPANNER

Model	Nut diameter	L	V	K	Price
ER11-A	19	110	40	17	
ER16-A	28	120	53	25	
ER20-A	34	130	60	30	



ER-M SPANNER

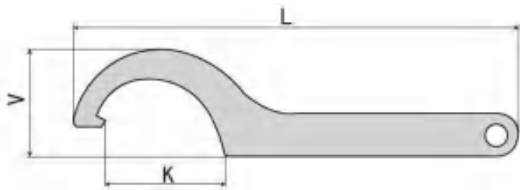
Model	Nut diameter	L	V	K	Price
ER8-M	12	70	12	7.5	
ER11-M	16	90	17	11	
ER16-M	22	110	23	15	
ER20-M	28	120	29	19.5	
ER25-M	35	130	36	25	



ER-A SPANNER

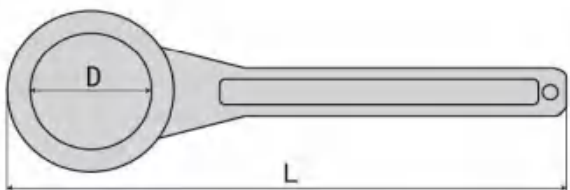
Model	Nut diameter	L	V	K	Price
ER16-UM	32	180	40	26	
ER20-UM	35	190	55	30	
ER25-UM	42	210	60	35	
ER32-UM	50	250	72	45	
ER40-UM	63	290	86	58	
ER50-UM	78	350	105	73	

HOOK HEAD SPANNER



Model	Apple holder and nut	L	Price
18-21	EOC6	90	
22-26	EOC8	125	
28-32	EOC10	140	
34-36	EOC12	154	
38-42	EOC16 7316A APU08	168	
45-52	EOC20 ER25-UM 7316B APU13	190	
55-62	EOC25 ER32-UM APU13 APU16 C20 C22 C25	210	
68-72	EOC32 ER40-UM	230	
78-85	EOC40 C32 ER50-UM	240	
100-110	EOC50 C42 JXT25-50	250	

BALL SPANNER



Model	Specifications	D	L	Price
WH-GSK06	GSK06	19.5	120	
WH-GSK10	GSK10	30	152.5	
WH-GSK16	GSK16	40	200	
WH-GSK20	GSK20	48	200	
WH-GSK25	GSK25	55	210	
WH-GER16	GER16	30	150	
WH-GER20	GER20	35	160	
WH-GER25	GER25	40	181	
WH-GER32	GER32	50	200	

Tool Locking Device



Order NO.	Type	Price
TLD-BT30	BT30	
TLD-BT40	BT40	
TLD-BT50	BT50	
TLD-CAT30	CAT30	
TLD-CAT40	CAT40	
TLD-CAT50	CAT50	
TLD-SK40	SK40	
TLD-SK50	SK50	



Order No.	Type	Price
TLD-HSK32	HSK-32	
TLD-HSK40	HSK-40	
TLD-HSK50	HSK-50	
TLD-HSK63	HSK-63	
TLD-HSK80	HSK-80	
TLD-HSK100	HSK-100	



Order No.	Type	Price
HTLD-BT30	BT30	
HTLD-BT40	BT40	