SYNCHRONOUS SOLUTION

AN MI TOOLS

TOOLING SYSTEMS

2025

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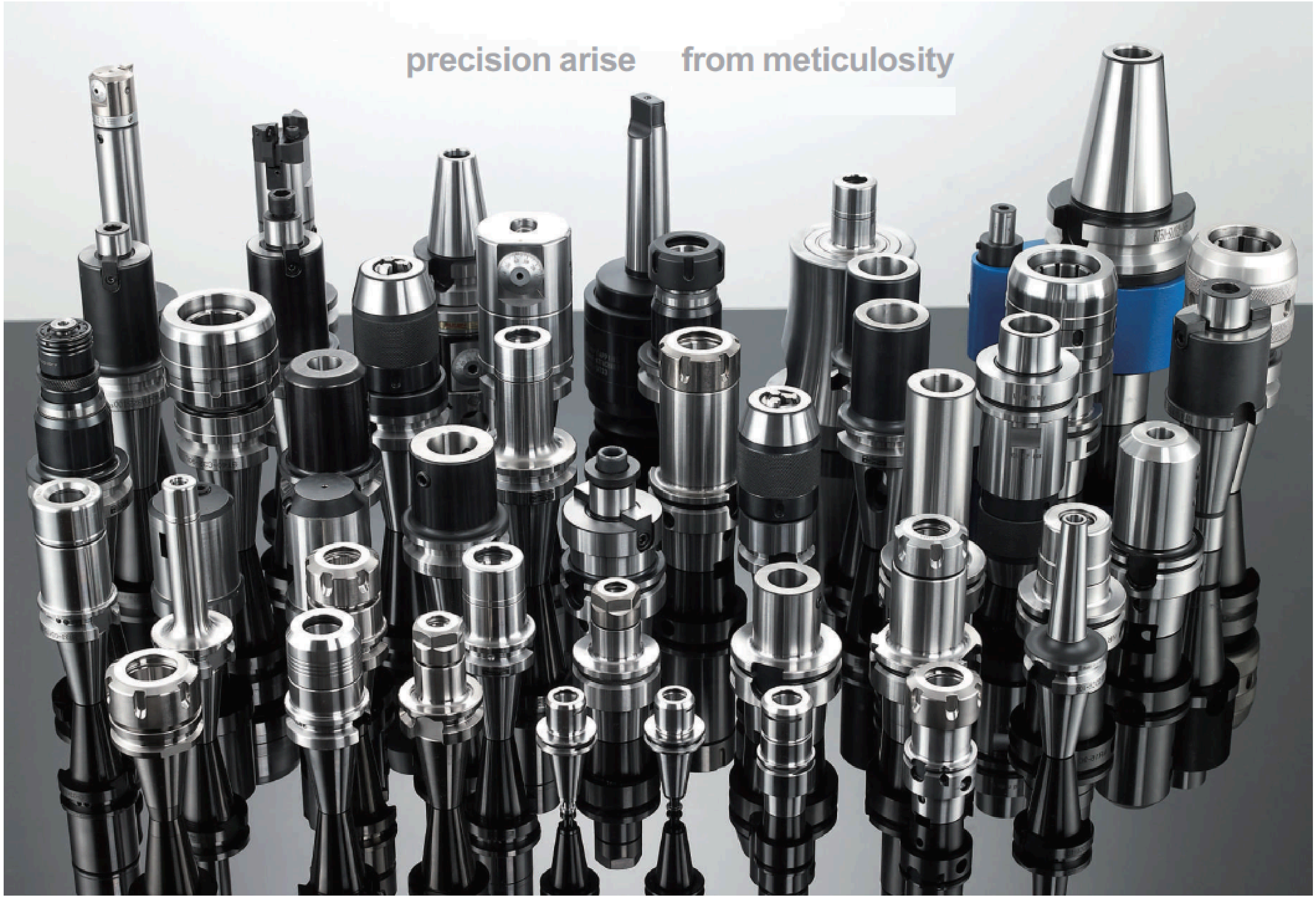
Vinh Phuc : 17 Ton Duc Thang, Vinh Yen, Vinh Phuc
Bac Ninh : 76 Nguyen Dang, Suoi Hoa, Bac Ninh

North Factory : L3, Pho Noi Textile Garment Industrial Park, My Hao District, Hung Yen

South Factory : 75 Do Xuan Hop, W. Phuoc Long B, Thu Duc, HCM

With over 20 years of experience, along with a passion and pioneering spirit, An Mi Tools has fully mastered technology and operates a closed production process for CNC cutting tools and very high precision machining. From trade to production, we ensure to bring comprehensive service and best quality to customers.

With a strategy of sustainable investment and development, An Mi Tools has become the leading company in Vietnam in the field of cutting tools, capable of producing both standard and custom products as per customer requirements. We not only provide optimal solutions but also ensure that we deliver products of the highest quality and precision to our customers.


precision arise from meticulosity

AN MI TOOLS

AN MI TOOLS

TOLERANCE DEPTH HEIGHT

Milling tool holder series

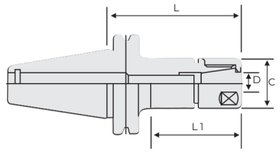
Tapping tool holder series

Boring tool series

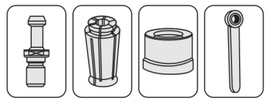
MILLING TOOL HOLDER Series

PRECISION MILLING HOLDER

G2.5
30000RPM



MAX.min-
1 40,000



BT-SK HIGH SPEED TOOL HOLDER

BT-SK

	Specification	Clamping range	L	L1	Size	G NO	MAX.min-1	SK Collet
BT30	-SK6-60 -SK6-90	1.0~6.0	60 90	38 68	19.5	SK6	40,000	SK6
	-SK10-60 -SK10-90	1.0~10.0	60 90	38 68	27	SK10	40,000	SK10
	-SK16-60 -SK16-90	1.0~16.0	60 90	38 68	40	SK16	30,000	SK16
	-SK20-60 -SK20-90	1.0~20.0	60 90	38 68	48	SK20	30,000	SK20
BT40	-SK6-60 -SK6-90 -SK6-120	1.0~6.0	60 90 120	33 63 93	19.5	SK6	30,000	SK6
	-SK10-60 -SK10-90 -SK10-120	1.0~10.0	60 90 120	33 63 93	27	SK10	30,000	SK10
	-SK13-90	1.0~13.0	90	63	35	SK13	30,000	SK13
	-SK16-60 -SK16-90 -SK16-120	1.0~16.0	60 90 120	33 63 93	40	SK16	25,000	SK16
	-SK20-90	1.0~20.0	90	63	48	SK20	20,000	SK20
BT50	-SK10-100 -SK10-150 -SK10-200 -SK10-250	1.0~10.0	100 150 200 250	73 123 173 223	27	SK10	20,000	SK10
	-SK16-100 -SK16-150 -SK16-200 -SK16-250	1.0~16.0	100 150 200 250	73 123 173 223	40	SK16	20,000	SK16
	-SK20-100 -SK20-150 -SK20-200	1.0~20.0 1.0~20.0 1.0~20.0	100 150 200	73 123 173	48 48 48	SK20 SK20 SK20	20,000 20,000 20,000	SK20 SK20 SK20

SPANNER

SK

Pattern	Specification	D	weight(KG)
Standard Type	SK6-SP	19.5	0.2
	SK10-SP	27	0.27
	SK13-SP	35	0.35
	SK16-SP	40	0.39
	SK20-SP	48	0.45

HIGH SPEED NUT

SK

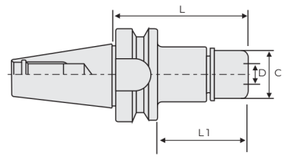
Pattern	Specification	D
标准型	SK6-CN	19.5
	SK10-CN	27
	SK13-CN	35
	SK16-CN	40
	SK20-CN	48

Feature

1、Pre-balanced, high precision run-out 0.003mm, suitable for high rotating , maximum G2.5 40000 rpm.
2、Surface hardness up to HV 220 by rotating, no damage and noise.
3、Covering interface with precision vibration and high metal removal, increased tool life.
4、High concentricity, stable run-out accuracy to enhance fine machining surface roughness.

PRECISION MILLING HOLDER

G2.5
30000RPM



BT-GER HIGH SPEED ER COLLET CHUCK

BT-GER

	Specification	Clamping range	L	L1	ΦC	M	Min-1	Collet	Nut
BT30	-GER16-70 -GER16-100	1.0~10.0 1.0~10.0	70 100	48 78	27 27	M22X1.5 M22X1.5	30000 30000	ER16 ER16	GER16 GER16
	-GER20-70 -GER20-100	1.0~13.0 1.0~13.0	70 100	48 78	35 35	M25X1.5 M25X1.5	30000 30000	ER20 ER20	GER20 GER20
	-GER25-70 -GER25-100	1.0~16.0 1.0~16.0	70 100	48 78	40 40	M32X1.5 M32X1.5	30000 30000	ER25 ER25	GER25 GER25
	-GER32-100	1.0~20.0	100	78	48	M40X1.5	25000	ER32	GER32
BT40	-GER16-70 -GER16-100	1.0~10.0 1.0~10.0	70 100	43 73	27 27	M22X1.5 M22X1.5	25000 25000	ER16 ER16	GER16 GER16
	-GER20-70 -GER20-100	1.0~13.0 1.0~13.0	70 100	43 73	35 35	M25X1.5 M25X1.5	25000 25000	ER20 ER20	GER20 GER20
	-GER25-70 -GER25-100 -GER25-150	1.0~16.0 1.0~16.0 1.0~16.0	70 100 150	43 73 123	40 40 40	M32X1.5 M32X1.5 M32X1.5	25000 25000 25000	ER25 ER25 ER25	GER25 GER25 GER25
	-GER32-70 -GER32-100 -GER32-150	1.0~20.0 1.0~20.0 1.0~20.0	70 100 150	43 73 123	48 48 48	M40X1.5 M40X1.5 M40X1.5	20000 20000 20000	ER32 ER32 ER32	GER32 GER32 GER32

SPANNER

GER

Pattern	Specification	D	weight(KG)
Standard Type	GER16-SP	27	0.2
	GER20-SP	35	0.27
	GER25-SP	40	0.35
	GER32-SP	48	0.39

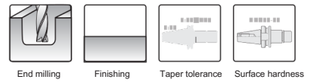
HIGH SPEED NUT

GER

Pattern	Specification	D
Standard Type	GER16-SP	27
	GER20-SP	35
	GER25-SP	40
	GER32-SP	48

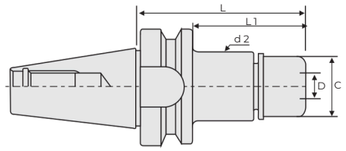
Feature

1 Pre-balanced, high precision run-out 0.003mm, applied for high speed engraving&
milling and drilling machining center ,maximum G2.5 30000 rpm.
2 Low noise and small wind resistance.
3 Adaptive positioning from both front and back and high precision repetition.



NEW

G2.5
30000RPM



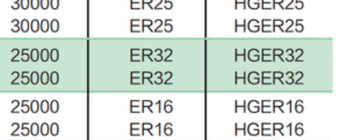
BT-HGER HIGH SPEED ER COLLET CHUCK

BT-HGER

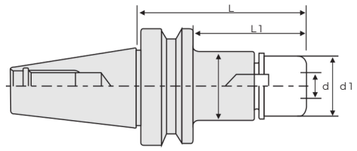
	Specification	Clamping range	L	L1	ΦC	Min^{-1}	Collet	Nut
BT30	-HGER16-70	1.0~10.0	70	48	30	30000	ER16	HGER16
	-HGER16-100	1.0~10.0	100	78	30	30000	ER16	HGER16
	-HGER20-70	1.0~12.0	70	48	35	30000	ER20	HGER20
	-HGER20-100	1.0~12.0	100	78	35	30000	ER20	HGER20
	-HGER25-70	1.0~16.0	70	48	40	30000	ER25	HGER25
	-HGER25-100	1.0~16.0	100	78	40	30000	ER25	HGER25
	-HGER32-70	1.0~20.0	70	48	50	25000	ER32	HGER32
	-HGER32-100	1.0~20.0	100	78	50	25000	ER32	HGER32
BT40	-HGER16-70	1.0~10.0	70	43	30	25000	ER16	HGER16
	-HGER16-100	1.0~10.0	100	73	30	25000	ER16	HGER16
	-HGER20-70	1.0~12.0	70	43	35	25000	ER20	HGER20
	-HGER20-100	1.0~12.0	100	73	35	25000	ER20	HGER20
	-HGER25-70	1.0~16.0	70	43	40	25000	ER25	HGER25
	-HGER25-100	1.0~16.0	100	73	40	25000	ER25	HGER25
	-HGER25-150	1.0~16.0	150	123	40	25000	ER25	HGER25
	-HGER32-70	1.0~20.0	70	43	50	20000	ER32	HGER32
	-HGER32-100	1.0~20.0	100	73	50	20000	ER32	HGER32
	-HGER32-150	1.0~20.0	150	123	50	20000	ER32	HGER32

Feature

1、Pre-balanced, high precision run-out 0.003mm, suitable for high rotating , maximum G2.5 40000 rpm.
2、Surface hardness up to HV 220 by rotating, no damage and noise.
3、Covering interface with precision vibration and high metal removal, increased tool life.
4、High concentricity, stable run-out accuracy to enhance fine machining surface roughness.



G2.5
30000RPM



NBT-GER HIGH SPEEDERCHUCKSYSTEN

NBT-GER

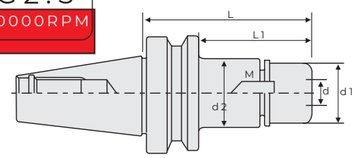
	Specification	Clamping range	d1	L	L1	Nut	Collet	spanner	
NBT30	-GER16-70	1.0~10.0	27	70	48	GER16	ER16	GER16-ϕ27	NBT30
	-GER16-100	1.0~10.0	27	100	78	GER16	ER16	GER16-ϕ27	NBT30
	-GER20-70	1.0-13.0	35	70	48	GER20	ER20	GER20-ϕ35	NBT30
	-GER20-100	1.0-13.0	35	100	78	GER20	ER20	GER20-ϕ35	NBT30
	-GER25-70	1.0~16.0	40	70	48	GER25	ER25	GER25-ϕ40	NBT30
	-GER25-100	1.0~16.0	40	100	78	GER25	ER25	GER25-ϕ40	NBT30
	-GER32-70	1.0-20.0	48	70	48	GER32	ER32	GER32-ϕ48	NBT30
	-GER32-100	1.0-20.0	48	100	78	GER32	ER32	GER32-ϕ48	NBT30

Feature

1、0.003mm, G2.5 30000rpm。 2、1
Pre-balanced, high precision run-out 0.003mm, applied for highspeed

engraving&millingand drilling machining center , maximum G2.5 30000 rpm.
2、Low noise and small wind resistance.
3、Adaptive positioning from both front and backand high precision repetition.

G2.5
30000RPM



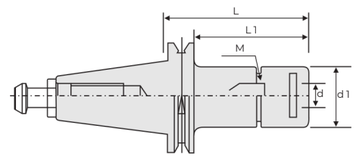
NBT-SK HIGH SPEED TOOL HOLDER

NBT-SK

	Specification	Clamping range	d1	L	L1	Nut	Collet	spanner	
NBT30	-GSK10-60	1.0~10.0	27	60	38	GSK10	SK10	GSK10-ϕ27	NBT30
	-GSK10-90	1.0~10.0	27	60	68	GSK10	SK10	GSK10-ϕ27	NBT30
	-GSK16-60	1.0~16.0	40	90	38	GSK16	SK16	GSK16-ϕ40	NBT30
	-GSK16-90	1.0~16.0	40	90	68	GSK16	SK16	GSK16-ϕ40	NBT30

Feature

G2.5
30000RPM



ISO HIGH SPEED TOOL HOLDER

ISO

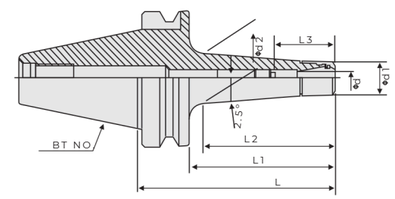
	Specification	Clamping range	d1	L	L1	M	Nut	Collet	spanner	spanner
ISO10	−ER11−25	1.0~7.0	16	25	27	M13×0.75	ER11MS	ER11	ISO10	ER11MS
ISO20	−ER16−35	1.0~10.0	22	35	27	M19×1.0	ER16MS	ER16	ISO 20	ER16MS
	−ER20−35	1.0~13.0	28	35	27	M24×1.0	ER20MS	ER20	ISO 20	ER20MS
ISO25	−ER16−35	1.0~10.0	22	35	27	M19×1.0	ER16MS	ER16	ISO 25	ER16MS
	−ER20−35	1.0~13.0	28	35	27	M24×1.0	ER20MS	ER20	ISO 25	ER20MS
	−ER25−35	1.0~16.0	35	35	27	M30×1.0	ER25MS	ER25	ISO25	ER25MS
ISO30	−ER16−60	1.0~10.0	22	60	44.1	M19×1.0	ER16MS	ER16		ER16MS
	−ER20−60	1.0~13.0	28	60	44.1	M24×1.0	ER20MS	ER20		ER20MS
	−ER25−60	1.0~16.0	35	60	44.1	M30×1.0	ER25MS	ER25		ER25MS
	−ER32−60	1.0~20.0	50	60	44.1	M40×1.0	ER32UM	ER32		ER32UM

Feature

1、 High precision run-out 0.003mm, maximum G2.5 30000 rpm.
2、Suitable for high speed engraving&milling and drilling application with super finish surface.
3、Stable run-out accuracy to enhance fine machining surface roughness.

Borehole End milling Finishing Taper tolerance Surface hardness

G2.5
30000RPM



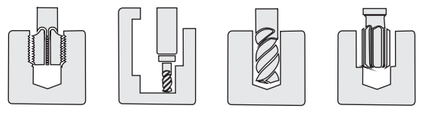
BT-THER SLIM COLLET CHUCK

BT-THER

	Specification	Clamping range	Φd1	Φd2	L	L1	L2	Tool clamping	Nut	Collet	suitable spanner
BT30	THER11−100M	1.0~7.0	16	20.9	100	78	73.2	19~48	HER11M	ER11	HER11
	THER16−100M	1.0~10.0	22	26.5	100	78	73.2	29~58	HER16M	ER16	HER16
BT40	THER11−100M	1.0~7.0	16	20.2	100	73	65.3	19~48	HER11M	ER11	HER11
	THER11−160M	1.0~7.0	16	25.5	160	133	125.3	19~48	HER11M	ER11	HER11
	THER16−100M	1.0~10.0	22	26.1	100	73	68.2	29~58	HER16M	ER16	HER16
	THER16−160M	1.0~10.0	22	31.3	160	133	128.2	29~58	CHER16M	ER16	HER16
BT50	THER11−100M	1.0~7.0	16	20	100	54.3	62	19~48	HER11M	ER11	HER11
	THER11−160M	1.0~7.0	16	26.2	160	122	114.9	19~48	HER11M	ER11	HER11
	THER16−100M	1.0~10.0	22	27.5	100	62	54.9	29~58	HER16M	ER16	HER16
	THER16−160M	1.0~10.0	22	33.8	160	122	100	29~58	HER16M	ER16	HER16

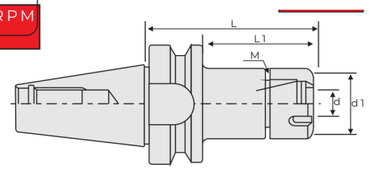
Feature

1、Taper design to reduce the processing shock, suitable for deep cavity machining in mold.
2、T-type screw ensures powerful clamping strength,high precision repetition.
3、Tough material for round clamping nuts to reduce wind resistance.
4、Deep Cryogenic treatment below −190 °C,stable run-out accuracy to enhance fine machining surface roughness.



TAPPING MINI DIAMETER DRILLING REAMING

G2.5
30000RPM

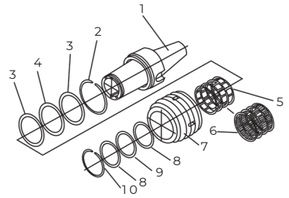


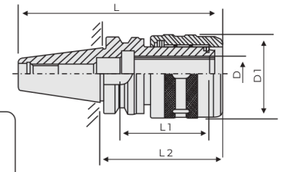
BT-ER COLLET CHUCK

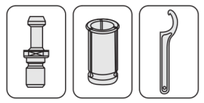
BT-ER

	Specification	Clamping range	d1	L	L1	M	Nut	Collet	spanner	Weight(KG)
BT30	-ER16-70	1.0-10.0	28	70	48	M22×1.5	ER16A	ER16	ER16A	0.55
	-ER16-100			100	78					0.80
	-ER20-70	1.0-13.0	34	70	48	M25×1.5	ER20A	ER20	ER20A	0.75
	-ER20-100			100	78					0.85
	-ER25-70	1.0-16.0	42	70	48	M32×1.5	ER25UM	ER25	ER25UM	0.70
	-ER25-100			100	78					1.45
	-ER32-70	1.0-20.0	50	70	48	M40×1.5	ER32UM	ER32	ER32UM	0.95
	-ER32-100			100	78					1.05
BT40	-ER16-70	1.0-10.0	28	70	43	M22×1.5	ER16A	ER16	ER16A	1.20
	-ER16-100			100	73					1.30
	-ER16-150			150	123					1.35
	-ER20-70	1.0-13.0	34	70	43	M25×1.5	ER20A	ER20	ER20A	1.40
	-ER20-100			100	73					1.50
	-ER20-150			150	123					1.70
	-ER25-70	1.0-16.0	42	70	43	M32×1.5	ER25UM	ER25	ER25UM	1.30
	-ER25-100			100	73					1.65
	-ER25-150			150	123					2.25
	-ER32-70	1.0-20.0	50	70	43	M40×1.5	ER32UM	ER32	ER32UM	1.30
	-ER32-100			100	73					1.70
	-ER32-150			150	123					2.50
	-ER40-70	1.0-26.0	63	70	43	M50×1.5	ER40UM	ER40	ER40UM	1.85
	-ER40-100			100	73					2.05
	-ER40-150			150	123					3.10
BT50	-ER16-100	1.0-10.0	28	100	62	M22×1.5	ER16A	ER16	ER16A	4.30
	-ER16-150			150	112					4.50
	-ER16-200			200	162					4.70
	-ER20-100	1.0-13.0	34	100	62	M25×1.5	ER20A	ER20	ER20A	4.30
	-ER20-150			150	112					4.70
	-ER20-200			200	162					5.10
	-ER25-100	1.0-16.0	42	100	62	M32×1.5	ER25UM	ER25	ER25UM	4.40
	-ER25-150			150	112					5.00
	-ER25-200			200	162					5.50
	-ER32-100	1.0-20.0	50	100	62	M40×1.5	ER32UM	ER32	ER32UM	4.80
	-ER32-150			150	112					5.30
	-ER32-200			200	162					6.50
	-ER40-100	1.0-26.0	63	100	62	M50×1.5	ER40UM	ER40	ER40UM	4.40
	-ER40-150			150	112					5.50
	-ER40-200			200	162					6.80

1、 Pre-balanced, high precision run-out 0.003mm, G2.5 30000 rpm.
2、 High concentricity, stable run-out accuracy for most wide application.





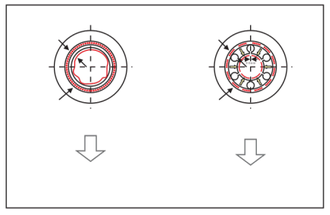


BT-C POWER CHUCK TOOL HOLDER

BT-C

	Specification	D	L2	L1	L	D1	suitable spanner	Collet	weight(KG)
BT30	-C20-80	20	80	70	128.4	53	C20-BS	C20	1.80
	-C25-80	25	80	73	128.4	60	C25-BS	C25	1.95
BT40	-C20-105	20	105	70	170.4	53	C20-BS	C20	2.60
	-C25-105	25	105	73	170.4	60	C25-BS	C25	2.65
	-C32-105	32	105	76	170.4	70	C32-BS	C32	2.80
	-C32-135	32	135	76	200.4	70	C32-BS	C32	3.00
	-C32-165	32	165	76	230.4	70	C32-BS	C32	3.50
BT50	-C20-105	20	105	70	206.8	53	C20-BS	C20	4.50
	-C25-105	25	105	73	206.8	60	C25-BS	C25	4.60
	-C32-110	32	110	95	206.8	70	C32-BS	C32	5.15
	-C32-135		135		236.8				5.90
	-C32-165		165		266.8				6.60
	-C42-115	42	115	98	216.8	92	C42-BS	C42	6.10
	-C42-135	42	135	98	236.8	92	C42-BS	C42	6.60
	-C42-165	42	165	98	266.8	92	C42-BS	C42	7.40

1、 6 slots design inside the holder to avoid slipping, enhancing clamping
2、 force. Frictional gripping force increased by the clamping design,when the cutting tools slip to the cone face. Reinforced thickness of the chuck
3、 holder improve the rigidity and anti-vibrations. High clamping force and
4、 run-out accuracy.



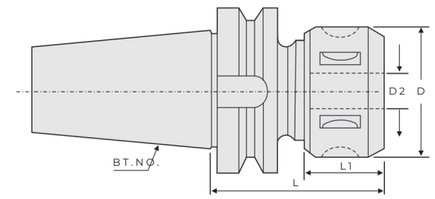
BT-C POWER CHUCK TOOL HOLDER

BT-C

	Specification	COLLET	spanner
BT30 BT40	C20-80-7PCS C20-105-7PCS	C20	3,4,6,8,10,12,16
	C32-105-7PCS C32-105-7PCS	C32	6,8,10,12,16,20,25 1/4,5/16,3/8,1/2,3/4,5/8,1"
BT50	C20-105-7PCS	C20	3,4,6,8,10,12,16
	C32-110-7PCS C32-110-7PCS	C32	6,8,10,12,16,20,25 3/4,3/8,5/8,5/16,1/4,1/2,1"
	C42-115-8PCS C42-115-8PCS	C42	6,8,10,12,16,20,25,32 1/4,5/16,3/8,1/2,3/4,5/8,1" ,1-1/4

Feature

1、6 slots design inside the holder to avoid slipping, enhancing clamping force.
2、Frictional gripping force increased by the clamping design,when the cutting tools slip to the cone face.
3、Reinforced thickness of the chuck holder improve the rigidity and anti-vibrations.
4、High clamping force and run-out accuracy.



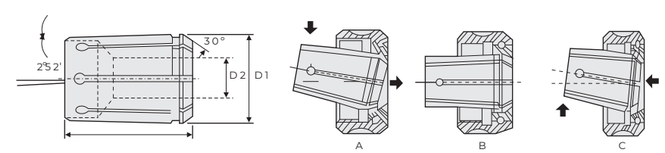
BT-OZ HEAVY DUTY TOOL HOLDER

BT - OZ

	Size					
	Specification	D2	L	D	L1	Collet Type
BT40	OZ25-80	3-25	80	60	30	OZ25
	OZ25-120	3-25	120	60	30	OZ25
	OZ32-80	6-32	80	72	33	OZ32
	OZ32-150	6-32	150	72	33	OZ32
BT50	OZ25-90	3-25	90	60	30	OZ25
	OZ25-130	3-25	130	60	30	OZ25
	OZ32-105	6-32	105	72	33	OZ32
	OZ32-150	6-32	150	72	33	OZ32

Feature

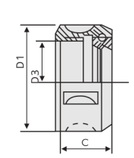
1、Special clamping structure supports strong clamping force for heavy duty processing.
2、Reinforced thickness of the chuck to improve the rigidity and low tendency towards vibrations.
3、Suitable for drilling,milling and tapping tools.



OZ

Specification	D1	L	D2
OZ25	35.5	52	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24.25
OZ32	44	60	6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32

Specification	D1	L	D2
OZ25	35.5	52	1/8,3/16,1/4,5/16,3/8,7/16,1/2,9/16,5/8,11/16,3/4,13/16,7/8,15/16,1"
OZ32	44	60	1/4,5/16,3/8,7/16,1/2,9/16,5/8,11/16,3/4,13/16,7/8,15/16,1",11/8",11/4"

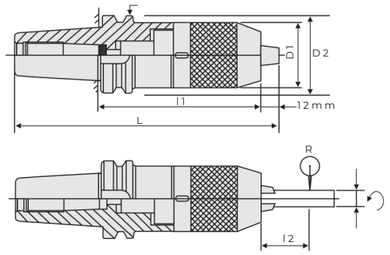


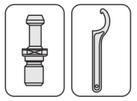
OZ

OZ

Specification	C	D1	D3	Collet Type
BN25	30	60	M48 × 2	OZ25
BN32	33	72	M60 × 2.5	OZ32

	Size(mm)	
Specification	D1	Collet Type
WOZ25	60	OZ25
WOZ32	80	OZ32





BT-APU DRILL CHUCK HOLDER

BT-APU

	Specification	D1	D2	L1	L	Clamping range	Weight(KG)
BT30	-APU8-80	36.5	46	80	137.4	0.5~8	0.80
	-APU13-110	48	46	110	158.4	1~13	1.85
	-APU16-110	55.5	46	110	158.4	3~16	2.18
BT40	-APU8-85	36.5	0.63	85	150.4	0.5~8	1.46
	-APU13-105 -APU13-130	48	0.63	105 130	170.4 195.4	1~13	2.00 2.33
	-APU16-105 -APU16-130	55.5	0.63	105 130	170.4 195.4	3~16	2.33 2.60
BT50	-APU8-90	36.5	100	90	191.8	0.5~8	4.20
	-APU13-110 -APU13-180	48	100	110 180	211.8 281.8	1~13	4.70 5.80
	-APU16-115 -APU16-130 -APU16-190	55.5	100	115 130 190	216.8 236.8 296.8	3~16	5.10 4.80 6.10

Feature

1、Integrated design of holder and chuck prevents separation of the tool components, ensure reliable and stable machining.
2、Self tightening, gripping force is enhanced when the drilling torque increase, which can avoid slipping of the drills.
3、Super drill chuck with high precision and durability.
4、Wide application in drilling machine,milling machines and lathe.

STRAIGHT SHANK DRILL CHUCK

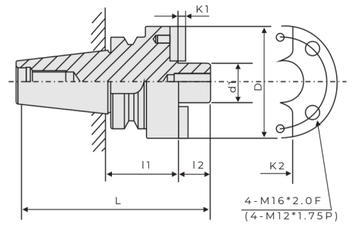
C-APU

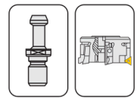
	Specification	L
C20	-APU8	120
	-APU13	140
	-APU16	150
C25	-APU13	161
	-APU16	165
C32	-APU13	165
	-APU16	165

MORSE TAPER DRILL CHUCK

MT-APU

	Specification	L
MT2 MT3	-APU8	164
	-APU13	179
	-APU16	184
MT4	-APU13	202
	-APU16	207





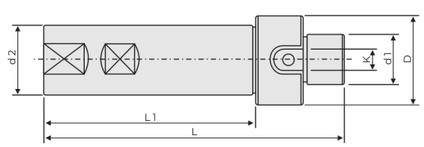
BT-FMA FACE MILLING ARBOR

BT-FMA

	Specification	Size d1	D	L1	L2	L	K1	K2	Weight(KG)
BT30	-FMA25.4-45 -FMA25.4-60	25.4	50	45 60	20	113.4 128.4	4.52	9.52	1.00 1.30
	-FMA31.75-45	31.75	60	45	22	115.4	6.7	12.7	1.35
BT40	-FMA25.4-45 -FMA25.4-90	25.4	50	45 90	20	130.4 175.4	4.52	9.52	1.80 2.60
	-FMA31.75-45 -FMA31.75-90	31.75	60	45 90	22	132.4 177.4	6.7	12.7	2.00 2.90
	-FMA38.1-60	38.1	75	60	25	150.4	8.87	15.87	2.80
	-FMA50.8-90	50.8	98	90	26	181.4	9.75	19.05	4.60
BT50	-FMA25.4-60 -FMA25.4-100 -FMA25.4-150	25.4	50	60 100 150	20	166.8 211.8 271.8	4.52	9.52	4.40 5.10 6.10
	-FMA31.75-60 -FMA31.75-100 -FMA31.75-150	31.75	80	60 100 150	22	168.8 213.8 273.8	6.7	12.7	4.50 5.70 6.00
	-FMA38.1-60 -FMA38.1-150	38.1	60 98	60 150	25	186.8 276.8	8.87	15.87	4.90 5.70
	-FMA50.8-90 -FMA50.8-150	50.8	95	90 150	26	217.8 277.8	9.75	19.05	6.95 7.90
	-FMA47.625-75	47.625	128.75	75	32	208.8	12.5	25.4	7.90

Feature

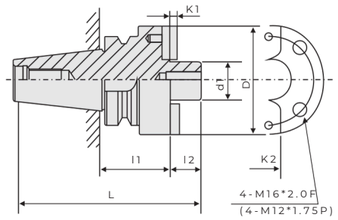
1、Hollow design to increase water outlet and low tendency towards vibrations.
2、Clamping nuts included.
3、Separated order for clamping nuts is needed, if using internal coolant system.

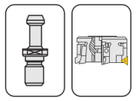


STRAIGHT FACE MILL ARBOR EXTENSION HOLDER

C-FMB

	Specification	d1	d2	D	Size L1	L
C20 C32	-FMB22-60	22	20	47	60	98
	-FMB22-60		32		60	98
	-FMB22-100				100	138
	-FMB22-150				150	138





BT-FMB FACE MILLING ARBOR

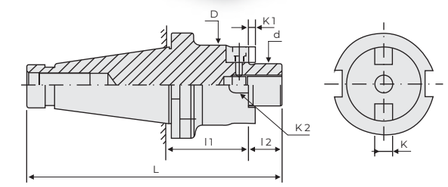
BT-FMB

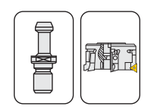
	Specification	d1	D	L1	L2	L	K1	K2	Weight(KG)
		Size							
BT30	-FMB22-45	22	48	45	18	111.4	4.8	10	0.85
	-FMB27-45	27	60	45	20	113.4	5.8	12	1.20
	-FMB32-45	32	78	45	22	115.4	6.8	14	1.35
BT40	-FMB22-45	22	48	45	18	128.4	4.8	10	1.45
	-FMB22-60			60		143.4			1.70
	-FMB22-100			100		183.4			2.10
	-FMB22-150			150		233.4			3.10
	-FMB22-200			200		283.4			3.80
	-FMB22-250			250		283.4			4.50
	-FMB22-300			300		333.4			5.10
	-FMB27-60	27	68	60	20	128.4	5.8	12	1.60
	-FMB27-100			100					2.10
	-FMB27-150			150					2.60
	-FMB32-60	32	78	60	22	128.4	6.8	14	1.70
	-FMB32-100			100					2.30
	-FMB32-150			150					3.00
	-FMB40-60	40	80	60	25	128.4	8.3	16	2.10
	-FMB40-100			100					2.50
	-FMB40-150			150					3.60
BT50	-FMB22-100	22	48/58	100	18	201.8	4.8	10	5.20
	-FMB22-150			150		269.8			6.80
	-FMB22-200			200		319.8			7.00
	-FMB22-250			250		369.8			8.00
	-FMB22-300			300		419.8			9.00
	-FMB22-350			350		469.8			10.00
	-FMB22-400			400		519.8			12.00
	-FMB22-450			450		569.8			12.00
	-FMB22-500			500		619.8			13.00
	-FMB27-100	27	60	100	20	201.8	5.8	12	6.50
	-FMB27-150			150		269.8			7.50
	-FMB27-200			200		319.8			9.50
	-FMB32-100	32	78	100	22	201.8	6.8	14	6.20
	-FMB32-150			150		269.8			7.00
	-FMB40-60	40	89	60	25	176.8	8.3	16	5.20
	-FMB40-100			100		201.8			7.20
	-FMB40-150			150		269.8			7.80
	-FMB60-60	60	140	60	26	161.8	12.5	25.4	8.50

Feature

1、Clamping nuts included.

2、Separated order for clamping nuts is needed, if using internal coolant system.





NT-FMB FACE MILLING ARBOR

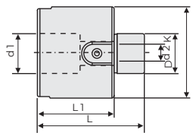
NT-FMB

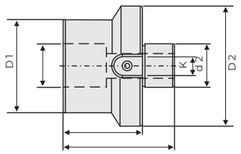
	Specification		L	L1	L2	K	DRAW BOLT INCH	DRAW BOLT METRIC
		Size						
NT40	FMB22-30	22	131.4	30	18	10	5/8"-1UNC	M16×2.0
	FMB27-30	27	133.4	30	20	12	5/8"-1UNC	M16×2.0
	FMB32-45	32	135.4	45	22	14	5/8"-1UNC	M16×2.0
	FMB40-50	40	138.4	50	25	16	5/8"-1UNC	M16×2.0
NT50	FMB22-35	22	164.8	35	18	10	1"-8UNC	M24×3.0
	FMB27-35	27	166.8	35	20	12	1"-8UNC	M24×3.0
	FMB32-35	32	168.8	35	22	14	1"-8UNC	M24×3.0
	FMB40-35	40	216.8	35	25	16	1"-8UNC	M24×3.0
	FMB60-65	60	216.8	65	25	25.4	1"-8UNC	M24×3.0

Feature

1、Clamping nuts included.

2、Separated order for clamping nuts is needed, if using internal coolant system.





MILL CHUCK

FMB-FMB

	Specification	d2	D1	D	L1	L	KG
FMB22	FMB22	22	22	47	40	60	0.5
	FMB22	22	22	58	50	70	0.6

MILL CHUCK

FMB-FMB

	Size							
	Specification	d2	d1	D1	D2	L1	L	KG
FMB22	FMB27	27	22	47	58	40	60	0.64

MILL CHUCK

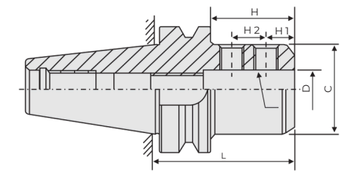
FMB-FMB

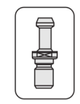
	Size							
	Specification	d2	d1	D1	D2	L1	L	KG
FMB22	FMB32	32	22	47	58	48	70	0.8

MILL CHUCK

FMB-FMA

	Size						
	Specification	d2	D1	D	L1	L	KG
FMB22	FMA25.4	25.4	22	47	40	60	0.52





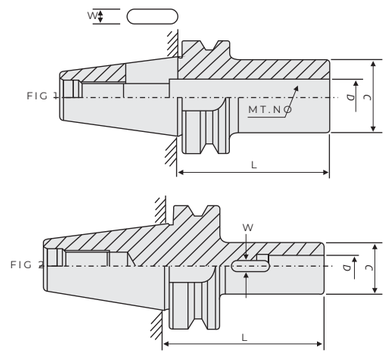
BT-SLA WELDON TOOL HOLDER

BT-SLA

	Size									
	Specification	ΦD	L	ΦC	H(MIN)	H(MAX)	H1	H2	M	Weight(KG)
BT30	-SLA6-60	6	60	25	20	35	18		M6	0.55
	-SLA8-60	8	60	28	20	35	18		M8	0.6
	-SLA10-60	10	60	35	35	50	14	13	M10	0.7
	-SLA12-60	12	60	40	35	50	14	13	M10	0.75
	-SLA16-90	16	90	40	55	70	25	20	M10	1.05
	-SLA20-90	20	90	50	55	70	25	20	M12	1.1
	-SLA25-90	25	90	50	55	70	25	20	M12	1.7
	-SLA32-100	32	100	60	65	80	25	25	M16	1.85
BT40	-SLA6-75	6	75	25	20	35	18		M6	1.2
	-SLA8-75	8	75	28	20	35	18		M8	1.25
	-SLA10-75	10	75	35	35	50	14	13	M10	1.3
	-SLA12-75	12	75	40	35	50	14	13	M10	1.35
	-SLA16-90	16	90	40	55	70	25	20	M10	1.6
	-SLA20-90	20	90	50	55	70	25	20	M12	1.65
	-SLA25-90	25	90	50	55	70	25	20	M12	2.5
	-SLA32-100	32	100	60	65	80	25	25	M16	2.8
	-SLA40-100	40	100	70	65	80	25	25	M20	2.95
	-SLA42-100	42	100	70	65	80	25	25	M20	3.15
BT50	-SLA6-100	6	100	25	20	35			M6	3.9
	-SLA8-100	8	100	28	20	35			M8	3.9
	-SLA10-100	10	100	35	35	50	13	13	M10	4.0
	-SLA12-100	12	100	40	35	50	13	13	M10	4.0
	-SLA16-100	16	100	40	55	70	20	20	M10	4.5
	-SLA20-100	20	100	50	55	70	20	20	M12	4.7
	-SLA20-150	20	150	50	55	70	20	20	M12	5.5
	-SLA20-200	20	200	50	55	70	20	20	M12	6.0
	-SLA25-100	25	100	50	55	70	20	20	M12	5.2
	-SLA25-150	25	150	50	55	70	20	20	M12	6.0
	-SLA25-200	25	200	50	55	70	20	20	M12	7.5
	-SLA32-100	32	100	60	65	80	25	25	M16	6.0
	-SLA32-150	32	150	60	65	80	25	25	M16	6.5
	-SLA32-200	32	200	60	65	80	25	25	M16	7.3
	-SLA40-100	40	100	70	65	80	25	25	M20	6.6
	-SLA42-150	42	150	70	65	80	25	25	M20	7.2
	-SLA42-200	42	200	70	65	80	25	25	M20	7.8
	-SLA42-250	42	250	70	65	80	25	25	M20	7.8
	-SLA50.8-120	51	120	90	65	80	35	35	M20	7.4

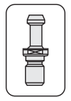
Feature

1、The slot face should be adjusted equally to the side screw and be tightly locked.
2、The pattern of the holder is different ,so confirm the position of the side screw before choosing the chuck type.



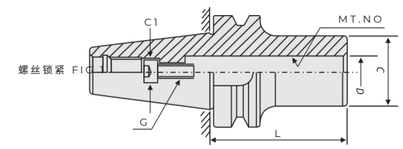
BT-MTA MORSE TAPER DRILL CHUCK

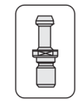
BT-MTA



	Specification	(Type)	D	L	C	W	Weight(KG)
BT30	MTA1-45	1	12.065	45	20	5.6	0.55
	MTA2-45	1	17.780	45	30	6.6	0.6
	MTA3-45	1	23.825	45	40	8.4	0.7
BT40	MTA1-45	1	12.065	45	25	5.6	1.05
	MTA1-120	2		120			1.4
	MTA2-45	1	17.780	45	32	6.6	1.1
	MTA2-120	2		120			1.85
	MTA3-75	1	23.825	75	40	8.4	1.25
	MTA3-135	2		135			1.9
	MTA4-90	1	31.065	90	50	12.4	1.45
	MTA4-165	2		165			2.5
BT50	MTA1-45	1	12.065	45	25	5.6	3.8
	MTA1-120	2		120			4.3
	MTA1-180	2		180			5.0
	MTA2-45	1	17.780	45	25	6.6	4.0
	MTA2-135	2		135			4.7
	MTA2-180	2		180			5.0
	MTA3-70	1	23.835	75	40	8.4	3.8
	MTA3-150	2		150			5.0
	MTA3-180	2		180			5.5
	MTA4-90	1	31.267	90	50	12.4	4.5
	MTA4-180	2		180			5.5
	MTA5-105	1	44.399	105			4.3

PRECISION MILLING HOLDER

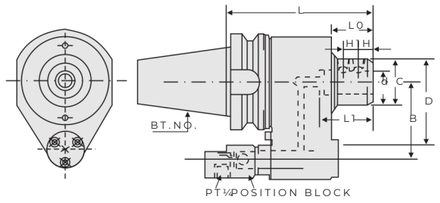




BT-MTB MORSE TAPER TOOL HOLDER

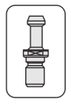
BT-MTB

	Specification	Manner)	D	L	C	C1	G	Weight(KG)
BT30	MTB1-45	1	12.065	45	25	10	M6×1	0.55
	MTB2-45	1	12.065	45	32	10	M10×1	0.55
BT40	MTB1-45	1	12.065	45	25	10	M6×1	1.05
	MTB2-45	1	17.780	45	32	13.5	M10×1.5	1.85
	MTB3-75	1	23.825	75	42	18	M12×1.75	1.3
	MTB4-90	2	31.267	90	50	20.5	M16×2	1.4
BT50	MTB1-45	1	12.065	45	25	10	M6×1	3.8
	MTB2-45	1	17.780	45	32	16	M10×1.5	3.9
	MTB3-60	1	23.825	60	42	18	M12×1.75	4.0
	MTB4-75	1	31.267	75	50	20.5	M16×2	4.2
	MTB5-120	2	44.399	120	70	22.5	M20×2	4.3



BT-SLO OIL-FEED TOOL HOLDER

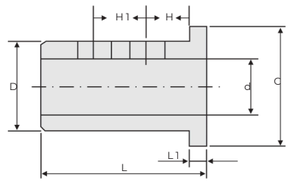
BT-SLO



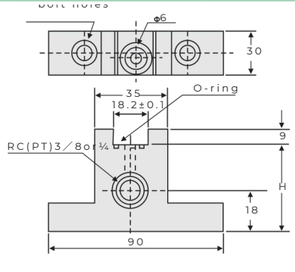
	Specification	d	L	B	C	D	L0	L1	H	H1
		Size								
BT40	SLO32-150	32	150	60/65	52	90	50	60	15	15
	SLO40-150	40	150	60/65	70	90	50	70	19	18
BT50	SLO32-160	32	160	80/82	54	100	50	60	15	15
	SLO40-160	40	160	80/82	64	100	50	70	19	18

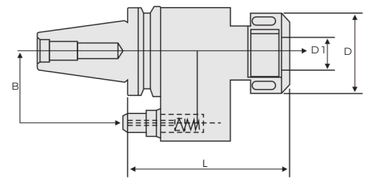
Feature

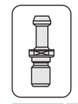
1、1、 Tool body finish machined for stable run-out accuracy.



	Specification	L	L1	H	H1	d	D	C
		Size						
C32	16	65	10	15	15	16	32	53
	20	65	10	15	15	20	32	53
	25	65	10	15	15	25	32	53
C40	16	75	10	19	18	16	40	63
	20	75	10	19	18	20	40	63
	25	75	10	19	18	25	40	63
	32	75	10	19	18	32	40	63



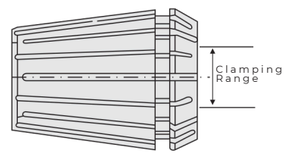




BT-ERO OIL-FEED TOOL HOLDER

BT-ERO

	Specification	D1	D	L	B
			Size		Center Dia.
BT40	ERO32-145	ERO32-Φ6-Φ20	50	145	60/65
	ERO40-150	ERO40-Φ6-Φ25	63	150	60/65
BT50	ERO32-160	ERO32-Φ6-Φ20	50	155	80/82
	ERO40-160	ERO40-Φ6-Φ25	63	160	80/82

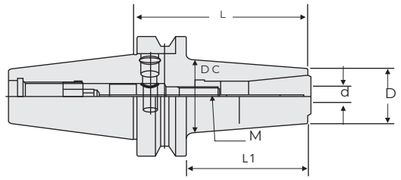


	Specification	Clamping Range
ER32	4C	4.0-3.0
	5C	5.0-4.0
	6C	6.0-5.0
	7C	7.0-6.0
	8C	8.0-7.0
	9C	9.0-8.0
	10C	10.0-9.0
	11C	11.0-10.0
	12C	12.0-11.0
	13C	13.0-12.0
	14C	14.0.-13.0
	15C	15.0-14.0
	16C	16.0-15.0
	17C	17.0-16.0
	18C	18.0-17.0
	19C	19.0-18.0
	20C	20.0-19.0

	Specification	Clamping Range
ER40	4C	4.0-3.0
	5C	5.0-4.0
	6C	6.0-5.0
	7C	7.0-6.0
	8C	8.0-7.0
	9C	9.0-8.0
	10C	10.0-9.0
	11C	11.0-10.0
	12C	12.0-11.0
	13C	13.0-12.0
	14C	14.0.-13.0
	15C	15.0-14.0
	16C	16.0-15.0
	17C	17.0-16.0
	18C	18.0-17.0
	19C	19.0-18.0
	20C	20.0-19.0

ER

	Specification	Clamping Range
ER40	21C	21.0-20.0
	22C	22.0-21.0
	23C	23.0-22.0
	24C	24.0-23.0
	25C	25.0-24.0
	26C	26.0-25.0



G2.5,30000min⁻¹ 0.003MM

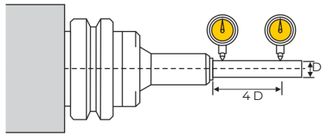
BT-SDC HIGH PRECISION TOOL HOLDER

BT-SDC

	Specification	(mm) Clamping range	D	DC	L	L1	Angle
				Size			
BT30	-SDC6-60	2.0-6.0	14.5	17	60	40	3°
	-SDC6-90	2.0-6.0	14.3	20.5	90	40	3°
	-SDC8-60	2.0-10.0	22.6	26	60	40	3°
	-SDC8-90	2.0-10.0	22.5	29	90	40	3°
	-SDC12-60	2.0-12.0	34.2	34.2	60	40	/
	-SDC12-90	2.0-12.0	34.2	34.2	90	40	/
BT40	-SDC6-70	2.0-6.0	14.2	17.8	70	45	3°
	-SDC6-100	2.0-6.0	14.3	20.9	100	75	3°
	-SDC6-150	2.0-6.0	14.4	26.2	150	125	3°
	-SDC6-200	2.0-6.0	13.1	30.2	200	175	3°
	-SDC6-250	2.0-6.0	13.1	35.4	250	225	3°
	-SDC8-70	2.0-10.0	22	26	70	45	3°
	-SDC8-100	2.0-10.0	22	29.2	100	75	3°
	-SDC8-150	2.0-10.0	22	34.4	150	125	3°
	-SDC8-200	2.0-10.0	22	39.7	200	175	3°
	-SDC8-250	2.0-10.0	22	44.9	250	225	3°
	-SDC12-70	2.0-12.0	34	34	70	45	/
	-SDC12-100	2.0-12.0	34	34	100	75	/
	-SDC12-150	2.0-12.0	34	34	150	125	/
	-SDC12-200	2.0-12.0	34	34	200	175	/
	-SDC12-250	2.0-12.0	34	34	250	225	/
BT50	-SDC6-100	2.0-6.0	14.2	19.8	100	65	3°
	-SDC6-150	2.0-6.0	14.2	25	150	115	3°
	-SDC6-200	2.0-6.0	14.2	30.2	200	165	3°
	-SDC6-250	2.0-6.0	14.2	35.5	250	215	3°
	-SDC6-300	2.0-6.0	14.2	40.7	300	265	3°
	-SDC8-100	2.0-10.0	22	28.1	100	65	3°
	-SDC8-150	2.0-10.0	22	33.3	150	115	3°
	-SDC8-200	2.0-10.0	22	38.5	200	165	3°
	-SDC8-250	2.0-10.0	22	43.8	250	215	3°
	-SDC8-300	2.0-10.0	22	49	300	265	3°
	-SDC12-100	2.0-12.0	34	34	100	65	/
	-SDC12-150	2.0-12.0	34	34	150	115	/
	-SDC12-200	2.0-12.0	34	34	200	165	/
	-SDC12-250	2.0-12.0	34	34	250	215	/
	-SDC12-300	2.0-12.0	34	34	300	265	/

Feature

1、Pre-balanced, high precision run-out 0.003mm, maximum G2.5 30000 rpm,suitable for high precision machining.
2、Without clamping nut, less processing interference.
3、 Back locking collet design ensures high clamping force and precision repetition.
4、Assembling and disassembling process is simple and easy by hexagonal wrench.

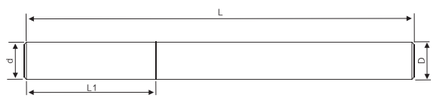


SDC COLLET

	Specification	Standard	Precision
SDC6	-3	0.005	0.003
	-4	0.005	0.003
	-5	0.005	0.003
	-6	0.005	0.003

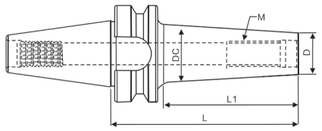
	Specification	Standard	Precision
SDC8	-3	0.005	0.003
	-4	0.005	0.003
	-5	0.005	0.003
	-6	0.005	0.003
	-8	0.005	0.003
	-10	0.005	0.003

	Specification	Standard	Precision
SDC12	-3	0.005	0.003
	-4	0.005	0.003
	-5	0.005	0.003
	-6	0.005	0.003
	-8	0.005	0.003
	-10	0.005	0.003
	-12	0.005	0.003

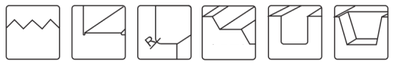


SDC EXTENSION HOLDER

	Specification	d	D	L	L1	Angle
SDC	ST12-SDC6-120L	13.5	12	120	45	
	ST12-SDC6-150L	13.5	12	150	45	
	ST16-SDC6-130L	13.5	16	130	30	3°
	ST16-SDC6-150L	13.5	16	150	30	3°
	ST16-SDC6-200L	13.5	16	200	35	3°
	ST16-SDC6-250L	13.5	16	250	35	3°
	ST20-SDC6-150L	13.5	20	150	30	3°
	ST20-SDC6-200L	13.5	20	200	35	3°
	ST20-SDC6-250L	13.5	20	250	35	3°
	ST20-SDC8-150L	20	20	150	45	
	ST20-SDC8-200L	20	20	200	45	
	ST20-SDC8-250L	20	20	250	45	



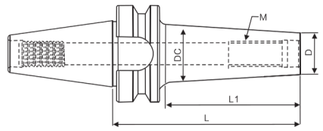
INDEXABLE SCREW TYPE MODULAR CUTTER

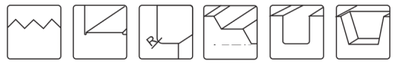


Specification	M	D	DC	L	L1	Angle
BT30-M6-50L	M6	11.5	13.4	50	30	3°
BT30-M6-100L	M6	12		100	80	3°
BT30-M8-50L	M8	15	17.5	50	30	3°
BT30-M8-100L	M8	15	22.5	100	80	3°
BT30-M10-50L	M10	19	44.5	50	30	3°
BT30-M10-100L	M10	19	25.5	100	80	3°
BT30-M12-50L	M12	23	26	50	30	3°
BT30-M12-100L	M12	23	30	100	80	3°
BT30-M16-50L	M16	30	32.5	50	30	3°
BT30-M16-100L	M16	31	32	100	80	3°
BT40-M8-70	M8	15.5	16	70	45	3°
BT40-M8-100	M8	15	37.5	100	75	3°
BT40-M8-150	M8	15	21.5	150	125	3°
BT40-M8-200	M8	14.5	25.5	200	175	3°
BT40-M10-70	M10	19	23.5	70	45	3°
BT40-M10-100	M10	19	26.5	100	75	3°
BT40-M10-150	M10	19	32	150	125	3°
BT40-M10-200	M10	19.5	37.5	200	175	3°
BT40-M12-70	M12	24	28	70	45	3°
BT40-M12-100	M12	24	31	100	75	3°
BT40-M12-150	M12	24	36	150	125	3°
BT40-M12-200	M12	24	42	200	175	3°
BT40-M16-70	M16	30	34	70	45	3°
BT40-M16-100	M16	30	37.5	100	75	3°
BT40-M16-150	M16	30	43	150	125	3°
BT40-M16-200	M16	30	48.5	200	175	3°

Feature

1、Modular type screw cutter connected with tool holder, countersink surface.
2、Direct connection without collet, repetition tolerance is reduced.



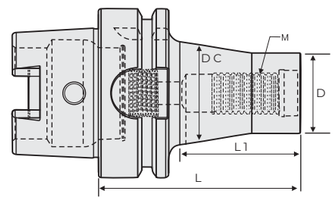


INDEXABLE SCREW TYPE MODULAR CUTTER

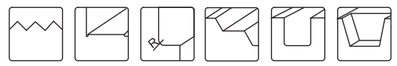
Specification	M	D	DC	L	L1	Angle
BT50-M8-100	M8	15	20.9	100	75	3°
BT50-M8-150	M8	15	26.1	150	115	3°
BT50-M8-200	M8	15	31.3	200	165	3°
BT50-M8-250	M8	15	36.5	250	215	3°
BT50-M8-300	M8	15	41.7	300	265	3°
BT50-M10-100	M10	19	24.8	100	75	3°
BT50-M10-150	M10	19	30	150	115	3°
BT50-M10-200	M10	19	35.2	200	165	3°
BT50-M10-250	M10	19	40.5	250	215	3°
BT50-M10-300	M10	19	45.7	300	265	3°
BT50-M12-100	M12	23	28	100	75	3°
BT50-M12-150	M12	23	34.1	150	115	3°
BT50-M12-200	M12	23	39.4	200	165	3°
BT50-M12-250	M12	23	44.6	250	215	3°
BT50-M12-300	M12	23	49.8	300	265	3°
BT50-M16-100	M16	29	34.7	100	75	3°
BT50-M16-150	M16	29	39.9	150	115	3°
BT50-M16-200	M16	29	45.2	200	165	3°
BT50-M16-250	M16	29	50.4	250	215	3°
BT50-M16-300	M16	29	55.6	300	265	3°

Feature

1、Modular type screw cutter connected with tool holder, countersink surface.
2、Direct connection without collet, repetition tolerance is reduced.
3、Equal cutting force promise the improved insert life and less processing chatter marks
4、Changeable screw cutter bar, precision repetition , suitable for rough and finish machining.
5、Various insert type can be applied for the the screw cutter, different combinations with the tool holder are available .
Part of tools can be replaced easily, more economical



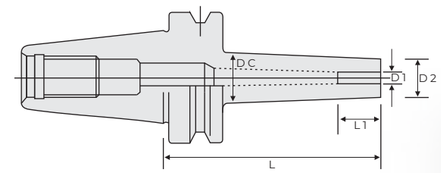
INDEXABLE SCREW TYPE MODULAR CUTTER

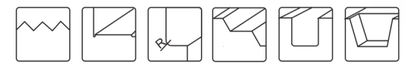


	Specification	Size					
		M	D	DC	L	L1	Angle
HSK63A	HSK63A-M8-75L	M8	15	28	75	20	20°
	HSK63A-M8-125L	M8	15	28	125	70	20°
	HSK63A-M10-75L	M10	19	33	75	20	15°
	HSK63A-M10-125L	M10	19	33	125	70	15°
	HSK63A-M12-75L	M12	24	39	75	20	15°
	HSK63A-M12-125L	M12	24	39	125	70	15°
	HSK63A-M16-75L	M16	31	39	75	20	10°
	HSK63A-M16-125L	M16	31	39	125	70	10°

Feature

1、Modular type screw cutter connected with tool holder, countersink surface.
2、Direct connection without collet, repetition tolerance is reduced.
3、Equal cutting force promise the improved insert life and less processing chatter marks
4、Changeable screw cutter bar, precision repetition , suitable for rough and finish machining.
5、Various insert type can be applied for the the screw cutter, different combinations with the tool holder are available .
Part of tools can be replaced easily, more economical



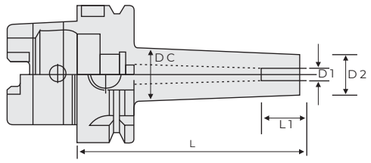


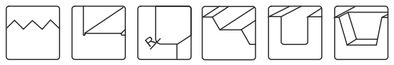
BTSRSHRINK FIT CHUCK

BT-SR

	Specification	Size				
		D1	D2	DC	L	Angle
BT30	BT30-SR4-80	4	15	20	80	4.5°
	BT30-SR6-80	6	21	27	80	4.5°
	BT30-SR8-80	8	22	28	80	4.5°
	BT30-SR10-80	10	24	32	80	4.5°
	BT30-SR12-80	12	24	32	80	4.5°
	BT30-SR16-80	16	27	34	80	4.5°
BT40	BT40-SR4-90	4.0	15	20	90	4.5°
	BT40-SR6-90	6.0	21	27	90	4.5°
	BT40-SR6-120	6.0	21	27	120	4.5°
	BT40-SR6-160	6.0	21	27	160	4.5°
	BT40-SR8-90	8.0	21	27	90	4.5°
	BT40-SR8-120	8.0	21	27	120	4.5°
	BT40-SR8-160	8.0	21	27	160	4.5°
	BT40-SR10-90	10.0	24	32	90	4.5°
	BT40-SR10-120	10.0	24	32	120	4.5°
	BT40-SR10-160	10.0	24	32	160	4.5°
	BT40-SR12-90	12.0	24	32	90	4.5°
	BT40-SR12-120	12.0	24	32	120	4.5°
	BT40-SR12-160	12.0	24	32	160	4.5°
	BT40-SR16-90	16.0	27	34	90	4.5°
	BT40-SR16-120	16.0	27	34	120	4.5°
	BT40-SR16-160	16.0	27	34	160	4.5°
	BT40-SR20-90	20.0	33	42	90	4.5°
	BT40-SR20-120	20.0	33	42	120	4.5°
	BT40-SR20-160	20.0	33	42	160	4.5°
	BT40-SR25-100	25.0	44	53	100	4.5°
	BT40-SR25-160	25.0	44	53	160	4.5°
	BT40-SR32-100	32.0	44	53	100	4.5°
	BT40-SR32-160	32.0	44	53	160	4.5°
BT50	BT50-SR6-100	6.0	21	27	100	4.5°
	BT50-SR6-160	6.0	21	27	160	4.5°
	BT50-SR8-100	8.0	21	27	100	4.5°
	BT50-SR8-160	8.0	21	27	160	4.5°
	BT50-SR10-100	10.0	24	32	100	4.5°
	BT50-SR10-160	10.0	24	32	160	4.5°
	BT50-SR12-100	12.0	24	32	100	4.5°
	BT50-SR12-160	12.0	24	32	160	4.5°
	BT50-SR16-100	16.0	27	34	100	4.5°
	BT50-SR16-160	16.0	27	34	160	4.5°
	BT50-SR20-100	20.0	33	12	100	4.5°
	BT50-SR20-160	20.0	33	12	160	4.5°
	BT50-SR25-100	25.0	44	53	100	4.5°
	BT50-SR25-160	25.0	44	53	160	4.5°
	BT50-SR32-100	32.0	44	53	100	4.5°
	BT50-SR32-160	32.0	44	53	160	4.5°

NEW





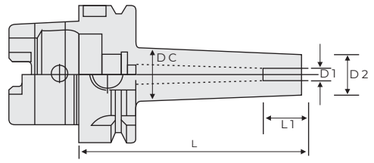
HSKSRSHRINK FIT CHUCK

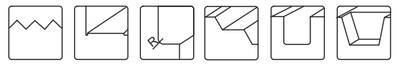
HSK-SR

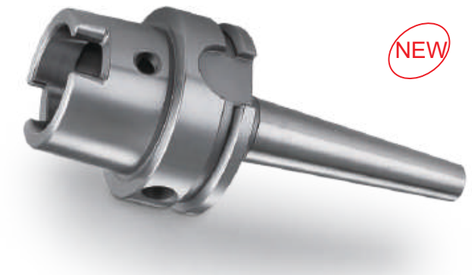
	Specification	Size D1	D2	DC	L	Angle
HSK32E	-SR3-60	3	15	20	60	4.5°
	-SR4-60	4	15	20	60	4.5°
	-SR6-70	6	21	26	70	4.5°
	-SR8-70	8	21	26	70	4.5°
	-SR10-80	10	24	32	80	4.5°
HSK40E	-SR4-60	4	15	20	60	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR8-80	8	21	27	80	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR12-90	12	24	32	90	4.5°
HSK50E	-SR4-60	4	15	20	60	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR8-80	8	21	27	80	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR12-90	12	24	32	90	4.5°
	-SR16-100	16	27	34	100	4.5°

Feature

1.High clamping force with stable run-out accuracy <0.003mm 2.Without extra spare parts, less machining interference, suitable for deep cavity machining 3.Good central cooling 4.Pre-balanced to G2.5 25000RPM





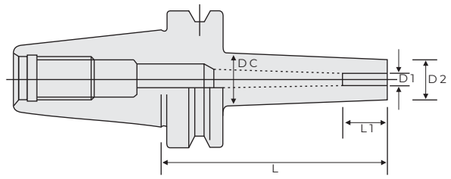


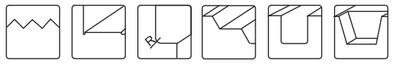
NEW

HSK - SR SHRINK FIT CHUCK

HSK-SR

	Specification	Size D1	D2	DC	L	Angle
HSK63A	-SR4-80	4	15	20	80	4.5°
	-SR6-80	6	21	27	80	4.5°
	-SR6-120	6	21	27	120	4.5°
	-SR6-160	6	21	27	160	4.5°
	-SR8-80	8	21	27	80	4.5°
	-SR8-120	8	21	27	120	4.5°
	-SR8-160	8	21	27	160	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR10-120	10	24	32	120	4.5°
	-SR10-160	10	24	32	160	4.5°
	-SR12-90	12	24	32	90	4.5°
	-SR12-120	12	24	32	120	4.5°
	-SR12-160	12	24	32	160	4.5°
	-SR16-100	16	27	34	100	4.5°
	-SR16-160	16	27	34	160	4.5°
	-SR20-100	20	33	42	100	4.5°
	-SR20-160	20	33	42	160	4.5°
	-SR25-120	25	44	53	120	4.5°
	-SR25-160	25	44	53	160	4.5°
	-SR32-120	32	44	53	120	4.5°
	-SR32-160	32	44	53	160	4.5°
HSK100A	-SR6-90	6	21	27	90	4.5°
	-SR6-120	6	21	27	120	4.5°
	-SR6-160	6	21	27	160	4.5°
	-SR8-90	8	21	27	90	4.5°
	-SR8-120	8	21	27	120	4.5°
	-SR8-160	8	21	27	160	4.5°
	-SR10-90	10	24	32	90	4.5°
	-SR10-120	10	24	32	120	4.5°
	-SR10-160	10	24	32	160	4.5°
	-SR12-100	12	24	32	100	4.5°
	-SR12-120	12	24	32	120	4.5°
	-SR12-160	12	24	32	160	4.5°
	-SR16-100	16	27	34	100	4.5°
	-SR16-160	16	27	34	160	4.5°
	-SR20-110	20	33	42	110	4.5°
	-SR20-160	20	33	42	160	4.5°
	-SR25-120	25	44	53	120	4.5°
	-SR25-160	25	44	53	160	4.5°
	-SR32-120	32	44	53	120	4.5°
	-SR32-160	32	44	53	160	4.5°





BT-SR SHRINK FIT SLIM CHUCK

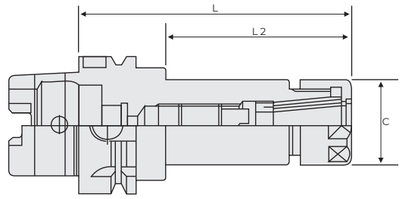
BT-SR

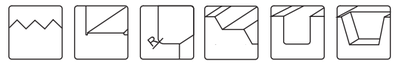
	Specification	D1	D2	Size DC	L	Angle
BT30	-SRS3-80	3.0	8	14	80	3°
	-SRS4-80	4.0	12	16	80	3°
	-SRS6-80	6.0	12	18	80	3°
	-SRS8-80	8.0	14	20	80	3°
	-SRS10-80	10.0	16	22	80	3°
	-SRS12-80	12.0	18	24	80	3°
BT40	-SRS4-90	4.0	10	16	90	3°
	-SRS4-120	4.0	10	19	120	3°
	-SRS4-160	4.0	10	22	160	3°
	-SRS6-90	6.0	12	18	90	3°
	-SRS6-120	6.0	12	21	120	3°
	-SRS6-160	6.0	12	24	160	3°
	-SRS8-90	8.0	14	20	90	3°
	-SRS8-120	8.0	14	23	120	3°
	-SRS8-160	8.0	14	26	160	3°
	-SRS10-90	10.0	16	22	90	3°
	-SRS10-120	10.0	16	25	120	3°
	-SRS10-160	10.0	16	28	160	3°
	-SRS12-90	12.0	18	24	90	3°
	-SRS12-120	12.0	18	27	120	3°
	-SRS12-160	12.0	18	30	160	3°

HSK-SR SHRINK FIT SLIM CHUCK

HSK-SR

	Specification	D1	D2	Size DC	L	Angle
HSK63A	-SRS4-80	4	10	16	80	3°
	-SRS4-120	4	10	19	120	3°
	-SRS4-160	4	10	22	160	3°
	-SRS6-80	6	12	18	80	3°
	-SRS6-120	6	12	21	120	3°
	-SRS6-160	6	12	24	160	3°
	-SRS8-80	8	14	20	80	3°
	-SRS8-120	8	14	23	120	3°
	-SRS8-160	8	14	26	160	3°
	-SRS10-90	10	16	22	90	3°
	-SRS10-120	10	16	25	120	3°
	-SRS10-160	10	16	28	160	3°
	-SRS12-90	12	18	24	90	3°
	-SRS12-120	12	18	27	120	3°
	-SRS12-160	12	18	30	160	3°





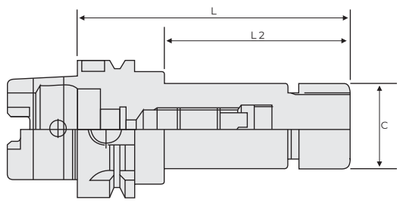
HSK-ER TOOL HOLDER

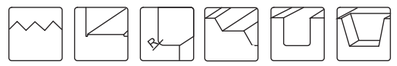
HSK-ER

	Specification	Clamping range	ΦC	L	L2	suitable Collet	Weight(KG)
HSK 50A HSK 63A	-ER16-80	1.0~10.0	28	80	54	ER16	0.8
	-ER20-95	1.0~13.0	34	95	69	ER20	1.0
	-ER25-105	1.0~16.0	42	105	79	ER25	1.2
	-ER32-110	1.0~20.0	50	110	84	ER32	1.4

Feature

1、High precision. 2、Stable run-out accuracy to enhance fine machining surface roughness.





40000min

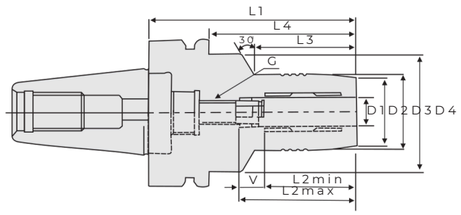
HSK-GSK

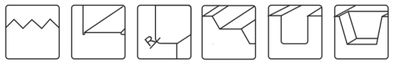
	Specification	C	L	L2	Clamping range	MAX.min-1	suitable Collet
HSK 50A	-SK10-60/75	27.5	60/75	25/40	1.75~10.0	40,000	SK10
	-SK16-80	40.0	80	45	2.75~16.0	30,000	SK16
HSK 63A	-SK10-105/150	27.5	105/150	63/108	1.75~10.0	30,000	SK10
	-SK16-120/150	40.0	120/150	78/108	2.75~16.0	25,000	SK16

Feature

1、Pre-balanced for high precision.
2、Stable run-out accuracy to enhance fine machining surface roughness.

NEW





BT30-HS HYDRAULIC CHUCK

BT30-HS

	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	G
BT30	HS3-70	3	21	24	45	70	24	–	–	30	–
	HS4-70	4	22	25	45	70	28	–	–	30	–
	HS5-70	5	23	26	45	70	32	–	–	30	–
	HS6-70	6	25	28	45	70	37.5	27.5	10	28	M5X0.8
	HS8-70	8	27	30	45	70	37.5	27.5	10	28	M6X1.0
	HS10-75	10	29	32	45	75	42.5	32.5	10	38	M6X1.0
	HS12-75	12	31	34	45	75	47.5	37.5	10	36	M6X1.0
	HS14-85	14	33	36	45	85	47.5	37.5	10	44	M6X1.0
	HS16-90	16	35	38	45	90	52.5	42.5	10	48	M8X1.0
	HS18-90	18	38	41	45	90	52.5	42.5	10	48	M8X1.0
	HS20-90	20	40	43	–	90	52.5	42.5	10	–	M8X1.0

Feature

1.High clamping force for high speed machining, run-out accuracy <0.003mm
2.Clamping by T-Wrench, easy to handle, less maintenance
3.Cutting tool shank tolerance should be within h6
4.Pre-balanced to G2.5 25000RPM

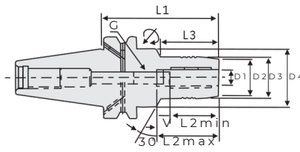


Fig1

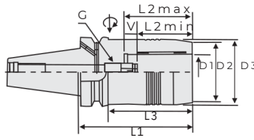
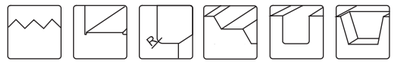


Fig2



NEW

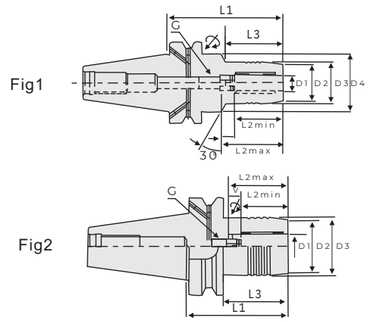
BT40-HS HYDRAULIC CHUCK

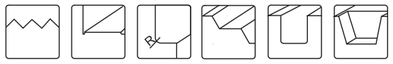
BT40-HS

	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	G	Type
BT40	HS6-65	6	25	28	50	65	37.5	27.5	10	23	M5X0.8	Fig1
	HS6-90	6	25	28	50	90	37.5	27.5	10	44	M5X0.8	Fig1
	HS6-140	6	25	28	50	140	37.5	27.5	10	44	M5X0.8	Fig1
	HS8-65	8	27	30	50	65	37.5	27.5	10	23	M6X1.0	Fig1
	HS8-90	8	27	30	50	90	37.5	27.5	10	39	M6X1.0	Fig1
	HS8-140	8	27	30	50	140	37.5	27.5	10	44	M6X1.0	Fig1
	HS10-65	10	29	32	50	65	42.5	32.5	10	23	M6X1.0	Fig1
	HS10-90	10	29	32	50	90	42.5	32.5	10	44	M6X1.0	Fig1
	HS10-140	10	29	32	50	140	42.5	32.5	10	44	M6X1.0	Fig1
	HS12-65	12	31	34	50	65	47.5	37.5	10	23	M6X1.0	Fig1
	HS12-90	12	31	34	50	90	47.5	37.5	10	44	M6X1.0	Fig1
	HS12-140	12	31	34	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-65	14	33	36	50	65	47.5	37.5	10	23	M6X1.0	Fig1
	HS14-90	14	33	36	50	90	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-140	14	33	36	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS16-65	16	35	38	50	65	52.5	42.5	10	23	M8X1.0	Fig1
	HS16-90	16	35	38	50	90	52.5	42.5	10	48	M8X1.0	Fig1
	HS16-140	16	35	38	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-75	18	38	41	50	75	52.5	42.5	10	30	M8X1.0	Fig1
	HS18-90	18	38	41	50	90	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-140	18	38	41	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS20-75	20	40	43	50	75	52.5	42.5	10	30	M8X1.0	Fig1
	HS20-90	20	40	43	50	90	52.5	42.5	10	47	M8X1.0	Fig1
	HS20-140	20	40	43	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS25-100	25	53	57	50	100	61	51	10	73	M16X1.0	Fig2
	HS25-135	25	53	57	50	135	61	51	10	108	M16X1.0	Fig2
	HS32-105	32	58	63	50	105	65	55	10	–	M16X1.0	Fig2
	HS32-135	32	58	63	–	135	65	55	10	–	M16X1.0	Fig2

Feature

1.High clamping force for high speed machining, run-out accuracy <0.003mm
2.Clamping by T-Wrench, easy to handle, less maintenance
3.Cutting tool shank tolerance should be within h6
4.Pre-balanced to G2.5 25000RPM





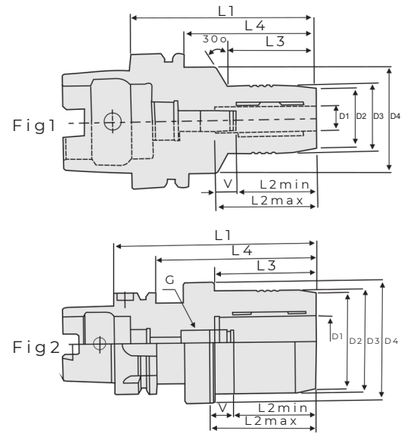
BT50-HS HYDRAULIC CHUCK

BT50-HS

	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	G	Type
BT50	HS6-90	6	25	28	50	90	37.5	27.5	10	32	M5X0.8	Fig1
	HS6-120	6	25	28	50	120	37.5	27.5	10	44	M5X0.8	Fig1
	HS6-140	6	25	28	50	140	37.5	27.5	10	44	M5X0.8	Fig1
	HS8-90	8	27	30	50	90	37.5	27.5	10	32	M6X1.0	Fig1
	HS8-120	8	27	30	50	120	37.5	27.5	10	40	M6X1.0	Fig1
	HS8-140	8	27	30	50	140	37.5	27.5	10	44	M6X1.0	Fig1
	HS10-90	10	29	32	50	90	42.5	32.5	10	32	M6X1.0	Fig1
	HS10-120	10	29	32	50	120	42.5	32.5	10	44	M6X1.0	Fig1
	HS10-140	10	29	32	50	140	42.5	32.5	10	44	M6X1.0	Fig1
	HS12-90	12	31	34	50	90	47.5	37.5	10	32	M6X1.0	Fig1
	HS12-120	12	31	34	50	120	47.5	37.5	10	44	M6X1.0	Fig1
	HS12-140	12	31	34	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-90	14	33	36	50	90	47.5	37.5	10	32	M6X1.0	Fig1
	HS14-120	14	33	36	50	120	47.5	37.5	10	44	M6X1.0	Fig1
	HS14-140	14	33	36	50	140	47.5	37.5	10	44	M6X1.0	Fig1
	HS16-90	16	35	38	50	90	52.5	42.5	10	32	M8X1.0	Fig1
	HS16-120	16	35	38	50	120	52.5	42.5	10	48	M8X1.0	Fig1
	HS16-140	16	35	38	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-90	18	38	41	50	90	52.5	42.5	10	32	M8X1.0	Fig1
	HS18-120	18	38	41	50	120	52.5	42.5	10	48	M8X1.0	Fig1
	HS18-140	18	38	41	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS20-90	20	40	43	50	90	52.5	42.5	10	32	M8X1.0	Fig1
	HS20-120	20	40	43	50	120	52.5	42.5	10	48	M8X1.0	Fig1
	HS20-140	20	40	43	50	140	52.5	42.5	10	48	M8X1.0	Fig1
	HS25-105	25	53	57	-	105	61	51	10	67	M16X1.0	Fig2
	HS25-150	25	53	57	-	150	61	51	10	112	M16X1.0	Fig2
	HS32-115	32	58	63	-	115	65	55	10	77	M16X1.0	Fig2
	HS32-150	32	58	63	-	150	65	55	10	112	M16X1.0	Fig2

Feature

1.High clamping force for high speed machining, run-out accuracy <0.003mm
2.Clamping by T-Wrench, easy to handle, less maintenance
3.Cutting tool shank tolerance should be within h6
4.Pre-balanced to G2.5 25000RPM

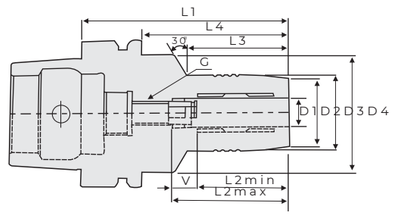


HSK40A/50A/63A/100A-HS HYDRAULIC CHUCK

HSK40A/50A/63A/100A-HS

	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	L4	G	Type
HSK 40A	HS6-70	6	25	28	34	70	37.5	27.5	10	28	50	M5X0.8	Fig1
	HS8-70	8	27	30	34	70	37.5	27.5	10	28	50	M5X0.8	Fig1
	HS10-75	10	29	32	34	75	42.5	32.5	10	34	55	M5X0.8	Fig1
	HS12-85	12	31	34	34	85	47.5	37.5	10	-	65	M6X1.0	Fig1
HSK 50A	HS6-70	6	25	28	40	70	37.5	27.5	10	28	44	M5X0.8	Fig1
	HS8-70	8	27	30	40	70	37.5	27.5	10	28	44	M6X1.0	Fig1
	HS10-80	10	29	32	40	80	42.5	32.5	10	34	54	M6X1.0	Fig1
	HS12-85	12	31	34	40	85	47.5	37.5	10	44	59	M6X1.0	Fig1
	HS14-85	14	33	36	40	85	47.5	37.5	10	44	59	M6X1.0	Fig1
	HS16-90	16	35	38	60	90	52.5	42.5	10	30	64	M6X1.0	Fig2
	HS18-90	18	38	41	-	90	52.5	42.5	10	-	64	M6X1.0	Fig1
	HS20-90	20	40	43	-	90	52.5	42.5	10	-	64	M6X1.0	Fig1
HSK 63A	HS6-70	6	25	28	50	70	37.5	27.5	10	24	44	M5X0.8	Fig1
	HS8-70	8	27	30	50	70	37.5	27.5	10	24	44	M6X1.0	Fig1
	HS10-80	10	29	32	50	80	42.5	32.5	10	35	54	M6X1.0	Fig1
	HS12-85	12	31	34	50	85	47.5	37.5	10	40	59	M6X1.0	Fig1
	HS14-85	14	33	36	50	85	47.5	37.5	10	40	59	M6X1.0	Fig1
	HS16-90	16	35	38	50	90	52.5	42.5	10	46	64	M8X1.0	Fig1
	HS18-90	18	38	41	50	90	52.5	42.5	10	47	64	M8X1.0	Fig1
	HS20-90	20	40	43	50	90	52.5	42.5	10	48	64	M8X1.0	Fig1
	HS25-120	25	40	43	63	120	61	51	10	59	94	M16X1.0	Fig2
	HS32-125	32	53	57	75	125	65	55	10	63	99	M16X1.0	Fig2
HSK 100A	HS6-75	6	25	28	54	75	37.5	27.5	10	26	46	M5X0.8	Fig1
	HS8-75	8	27	30	54	75	37.5	27.5	10	26	46	M6X1.0	Fig1
	HS10-90	10	29	32	50	90	42.5	32.5	10	42	61	M6X1.0	Fig1
	HS12-95	12	31	34	50	95	47.5	37.5	10	47	66	M6X1.0	Fig1
	HS14-95	14	33	36	50	95	47.5	37.5	10	47	66	M6X1.0	Fig1
	HS16-100	16	35	38	50	100	52.5	42.5	10	53	71	M8X1.0	Fig1
	HS18-100	18	38	41	50	100	52.5	42.5	10	53	71	M8X1.0	Fig1
	HS20-105	20	40	43	50	105	52.5	42.5	10	59	76	M8X1.0	Fig1
	HS25-110	25	40	43	63	110	61	51	10	62	81	M8X1.0	Fig1
	HS32-110	32	53	57	75	110	65	55	10	62	81	M8X1.0	Fig1

NEW



HSK40E/50E-HM HYDRAULIC CHUCK

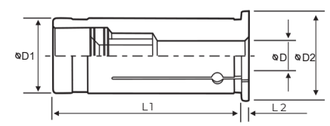
HSK40E/50E-HS

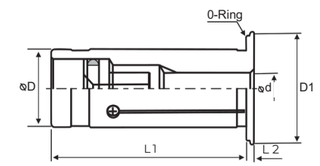
	Specification	D1	D2	D3	D4	L1	L2max	L2min	V	L3	L4	G
HSK 40E	HS6-75	6	25	28	34	75	37.5	27.5	10	28	55	M5X0.8
	HS8-70	8	27	30	34	70	37.5	27.5	10	28	50	M5X0.8
	HS10-75	10	29	32	34	75	42.5	32.5	10	34	55	M5X0.8
	HS12-85	12	31	34	34	85	47.5	37.5	10	–	65	M5X0.8
HSK 50E	HS6-70	6	25	28	40	70	37.5	27.5	10	28	44	M5X0.8
	HS8-70	8	27	30	40	70	37.5	27.5	10	28	44	M6X1.0
	HS10-80	10	29	32	40	80	42.5	32.5	10	34	54	M6X1.0
	HS12-85	12	31	34	40	85	47.5	37.5	10	44	59	M6X1.0
	HS16-90	16	35	38	60	90	52.5	42.5	10	30	64	M6X1.0
	HS20-90	20	40	43	–	90	52.5	42.5	10	–	64	M6X1.0

Feature

1.High clamping force for high speed machining, run-out accuracy <0.003mm
2.Clamping by T-Wrench, easy to handle, less maintenance
3.Cutting tool shank tolerance should be within h6
4.Pre-balanced to G2.5 25000RPM

NEW



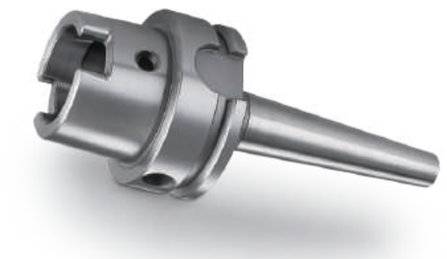


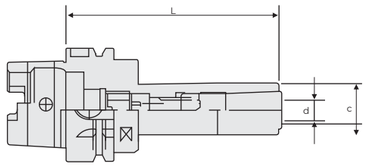
Collet

	Specification	d	D1	D2	L1	L2
HSC12	3	3	12	16	44.5	2
	4	4	12	16	44.5	2
	5	5	12	16	44.5	2
	6	6	12	16	44.5	2
	8	8	20	16	44.5	2
HSC20	3	3	20	24	50.5	2
	4	4	20	24	50.5	2
	5	5	20	24	50.5	2
	6	6	20	24	50.5	2
	8	8	20	24	50.5	2
	10	10	20	24	50.5	2
	12	12	20	24	50.5	2
	14	14	20	24	50.5	2
	16	16	20	24	50.5	2
HSC32	6	6	32	36	60.5	3
	8	8	32	36	60.5	3
	10	10	32	36	60.5	3
	12	12	32	36	60.5	3
	14	14	32	36	60.5	3
	16	16	32	36	60.5	3
	18	18	32	36	60.5	3
	20	20	32	36	60.5	3
	25	25	32	36	60.5	3

Sealed Collet

	Specification	d	D1	D2	L1	L2
HSC12	3	3	12	21	45	2
	4	4	12	21	45	2
	5	5	12	21	45	2
	6	6	12	21	45	2
	8	8	12	21	45	2
HSC20	3	3	20	29	50.5	2
	4	4	20	29	50.5	2
	5	5	20	29	50.5	2
	6	6	20	29	50.5	2
	8	8	20	29	50.5	2
	10	10	20	29	50.5	2
	12	12	20	29	50.5	2
	14	14	20	29	50.5	2
	16	16	20	29	50.5	2
HSC32	6	6	32	39	60.5	3
	8	8	32	39	60.5	3
	10	10	32	39	60.5	3
	12	12	32	39	60.5	3
	14	14	32	39	60.5	3
	16	16	32	39	60.5	3
	18	18	32	39	60.5	3
	20	20	32	39	60.5	3
	25	25	32	39	60.5	3

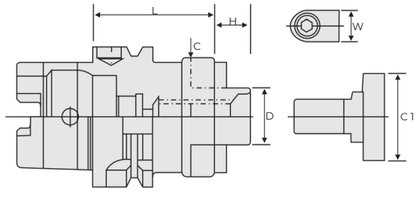




HSK-SDC HIGH PRECISION TOOL HOLDER

HSK-SDC

	Specification	D	L	C	Weight(KG)
HSK 50A	-SDC6-100	3.0-6.0	100	14.5	0.8
	-SDC6-150	3.0-6.0	150	14.5	1.0
	-SDC8-100	3.0-10.0	100	22	1.0
	-SDC8-150	3.0-10.0	150	22	1.2
	-SDC12-100	3.0-12.0	100	34	1.0
	-SDC12-150	3.0-12.0	150	34	1.2
HSK 63A	-SDC6-100	3.0-6.0	100	14.5	0.9
	-SDC6-150	3.0-6.0	150	14.5	1.2
	-SDC8-100	3.0-10.0	100	22	1.0
	-SDC8-150	3.0-10.0	150	22	1.3
	-SDC12-100	3.0-12.0	100	34	1.2
	-SDC12-150	3.0-12.0	150	34	1.6

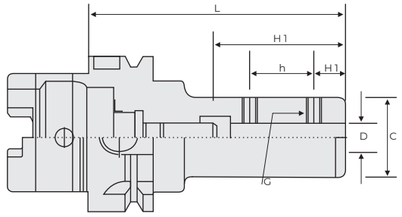


HSK-FMB FACE MILLING ARBOR

HSK-FMB

	Specification	D	L	H	C	C1	W	Drive key	Lock bolt
HSK 50A	-FMB27-55	27	55	20	60	33	9.5	FW5	FM12
HSK 63A	-FMB22-60	22	60	18	45				
	-FMB27-65	27	65	20	60	33	9.5	FW5	FM12
	-FMB32-75	32	75	22	85	40	12.7	FW13	FM16
HSK 100A	-FMB22-60	22	60	18	45				
	-FMB27-65	27	65	20	60	33	9.5	FW5	FM12
	-FMB32-75	32	75	22	85	40	12.7	FW13	FM16
	-FMB40-75	40	75	34	80	50	15.9	FW19	FM20
	-FMB60-75	60	75	36	100	65	19	FW24	FM24

1、High precision.
2、Stable run-out accuracy to enhance fine machining surface roughness.



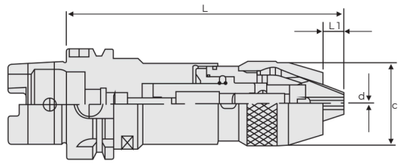
HSK-SLA WELDON TOOL HOLDER

HSK-SLA

	Specification	D	L	C	h	H	H1	G
HSK 63A	-SLA6-80	6	80	25		18	25	M6
	-SLA8-80	8	80	28		18	30	M8
	-SLA10-80	10	80	35		20	42	M10
	-SLA12-80	12	80	42		22.5	46	M12
	-SLA16-80	16	80	48		24	52	M14
	-SLA20-80	20	80	52		25	52	M16
	-SLA25-115	25	115	65	25	24	70	M18
	-SLA32-120	32	120	72	28	24	75	M20

Feature

1、High precision
2、Stable run-out accuracy to enhance fine machining surface roughness.



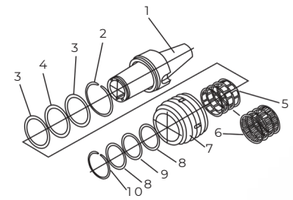
HSK-APU DRILL CHUCK HOLDER

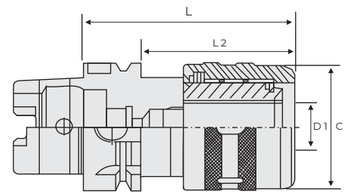
HSK-APU

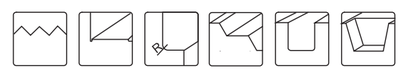
	Specification		min	max	Clamping range
HSK 50A	-APU8-118	36.5	118	125	0.3~8
	-APU13-135	48	135	147	1.0~13
HSK63A	-APU8-118	36.5	120	127	0.3~8
	-APU13-135	48	135	147	1.0~13
HSK 100A	-APU8-130	36.5	130	137	0.3~8
	-APU13-145	48	145	157	1.0~13

Feature

1、Integrated design of holder and chuck prevents separation of the tool components, ensure reliable and stable machining.
2、Self tightening, gripping force is enhanced when the drilling torque increase, which can avoid slipping of the drills.
3、Super drill chuck with high precision and durability.
4、 Wide application in drilling machine,milling machines and lathe.







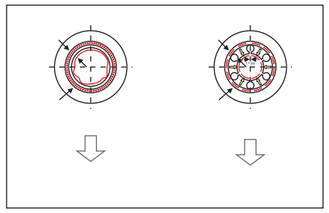
POWER CHUCK TOOL HOLDER

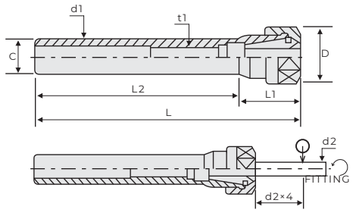
HSK(A)-C

	Specification	D1	C	L1	L	Collet
HSK 40A	-C20-110	20	53	66.5	55	C20
HSK 50A	-C20-110	20	53	66.5	60	C20
	-C25-110	25	74	74.5	44	C25
HSK 63A	-C20-110	20	53	66.5	49	C20
	-C25-110	25	60	85	59	C25
	-C32-105	32	74	90	64	C32
	-C32-130	32	74	70	44	C32
HSK 100A	-C20-110	20	53	75	49	C20
	-C25-110	25	60	85	59	C25
	-C32-130	32	74	90	64	C32

Feature

1、6 slots design inside the holder to avoid slipping, enhancing clamping force.
2、Frictional gripping force increased by the clamping design,when the cutting tools slip to the cone face. Reinforced thickness of the chuck holder improve
3、the rigidity and anti-vibrations. High clamping force and run-out accuracy.





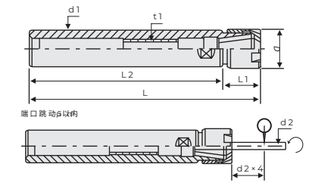
ER EXTENSION HOLDER

ER

	Specification	Clamping range	D	C	L1	L	Nut	Collet	Spanner
C12	-ER11-50	2.0~7	19	12	24.0	50	ER11A	ER11	0.55
	-ER11-100				24.0	100			
C16	-ER11-50				16.6	50			
	-ER11-100			16	16.6	100			
	-ER11-150				16.6	150			
	-ER16-100	3.0~10	28	16	35.0	100	ER16A	ER16	1.85
	-ER16-150				35.0	150			
	-ER16-200				35.0	200			
	-ER20-100	3.0~13	34	16	40.0	100	ER20A	ER20	1.2
	-ER20-150				40.0	150			
C20	-ER11-100	2.0~7	19	20	16.6	100	ER11A	ER11	1.6
	-ER11-150				16.6	150			
	-ER11-200				16.6	200			
	-ER16-100	3.0~10	28	20	35.0	100	ER16A	ER16	1.65
	-ER16-150				35.0	150			
	-ER16-200				35.0	200			
	-ER20-100	3.0~13	34	20	40.0	100	ER20A	ER20	3.15
	-ER20-150				40.0	150			
	-ER20-200				40.0	200			
	-ER25-100	3.0~16	42	20	47.0	100	ER25UM	ER25	3.9
	-ER25-150				47.0	150			
C25	-ER16-100	3.0~10	28	25	35.0	100	ER16A	ER16	3.9
	-ER16-150				35.0	150			
	-ER16-200				40.0	200			
	-ER20-100	3.0~13	34	25	40.0	100	ER20A	ER20	1.65
	-ER20-150				40.0	150			
	-ER20-200				40.0	200			
	-ER25-100	3.0~16	42	25	47.0	100	ER25UM	ER25	3.15
	-ER25-150				47.0	150			
	-ER25-200				47.0	200			
	-ER32-100	3.0~20	50	25	50.0	100	ER32UM	ER32	1.65
	-ER32-150				50.0	150			
	-ER32-200				50.0	200			
C32	-ER20-150	3.0~13	34	32	40.0	150	ER20A	ER20	3.15
	-ER20-200				40.0	200			
	-ER25-150	3.0~16	42	32	47.0	150	ER25UM	ER25	4.0
	-ER25-200				47.0	200			
	-ER32-150	3.0~20	50	32	50.0	150	ER32UM	ER32	2.95
	-ER32-200				50.0	200			

Feature

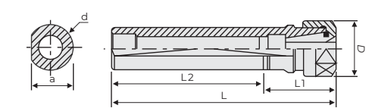
1、Tool body is high precision.
2、High concentricity, stable run-out accuracy to enhance fine machining surface roughness.
3、Finish surface with long durability.



ER EXTENSION HOLDER

ER (M/UM)

	Specification	L	L2	L1	D	d1	Clamping range
C10	-ER8-100M	115.5	100	15.5	12	10	0.5~5.0
	-ER8-150M	165.5	150				
C12	-ER11-100M	124	100	24	16	12	1.0~7.0
	-ER11-150	174	150				
C16	-ER16-100M	135	100	35	22	16	1.0~10.0
	-ER16-150M	185	150				
	-ER16-200M	235	200				
C20	-ER16-100M	135	100			20	
	-ER16-150M	185	150				
	-ER16-200M	235	200				
	-ER20-100M	140	100	40	28	20	1.0~13.0
	-ER20-150M	190	150				
	-ER20-200M	240	200				
C25	-ER25-100UM	145	100	45	42	25	2.0~16.0
	-ER25-150UM	295	150				
C32	-ER25-100UM	145	100			32	
	-ER25-150UM	195	150				
	-ER32-100UM	150	100	50	50	32	3.0~20.0
	-ER32-150UM	200	150				
	-ER32-200UM	250	200				



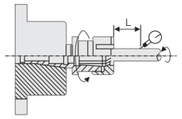
ER EXTENSION HOLDER

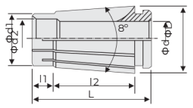
ER

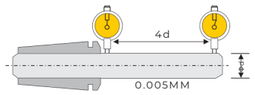
	Specification	Size					
		L	L2	L1	a	D	d
B	-ER16-70A/100A	100/130	70/130	30	19	28	20
	-ER20-70A/100A	100/130	70/130	30	19	34	20
	-ER20-70A/100A	100/130			24		25
	-ER11-70A/100A	100/130	70/130	30	19	19	20
	-ER11-70A/100A	100/130			29		25
	-ER16-70M/100M	100/130	70/130	30	19	22	20
	-ER20-70M/100M	100/130	70/130	30	19	28	20
	-ER20-70M/100M	100/130			24		25

Feature

1、Tool body is high precision.
2、High concentricity, stable run-out accuracy to enhance fine machining surface roughness.
3、Finish surface with long durability.







SK HIGH PRECISION COLLET

SK

	Specification	Clamping range
SK6	-1	0.9~1.0
	-2	1.8~2.0
	-3	2.8~3.0
	-4	3.5~4.0
	-5	4.5~5.0
	-6	5.5~6.0
SK10	-2	1.75~2.0
	-2.5	2.25~25
	-3	2.75~3.0
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5
	-7	6.5~7.0
	-7.5	7.0~7.5
	-8	7.5~8.0
	-8.5	8.0~8.5
	-9	8.5~9.0
	-9.5	9.0~9.5
	-10	9.5~10.0
SK13	-2	1.75~2.0
	-2.5	2.25~25
	-3	2.75~3.0
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5
	-7	6.5~7.0
	-7.5	7.0~7.5
	-8	7.5~8.0
	-8.5	8.0~8.5
	-9	8.5~9.0
	-9.5	9.0~9.5
	-10	9.5~10.0

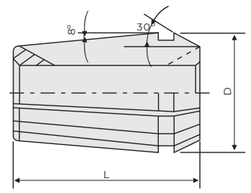
	Specification	Clamping range
SK16	-3	2.75~3.0
	-3.5	3.0~3.5
	-4	3.5~4.0
	-4.5	4.0~4.5
	-5	4.5~5.0
	-5.5	5.0~5.5
	-6	5.5~6.0
	-6.5	6.0~6.5
	-7	6.5~7.0
	-7.5	7.0~7.5
	-8	7.5~8.0
	-8.5	8.0~8.5
	-9	8.5~9.0
	-9.5	9.0~9.5
	-10	9.5~10.0
	-10.5	10.0~10.5
	-11	10.5~11.0
	-11.5	11.0~11.5
	-12	11.5~12.0
	-12.5	12.0~12.5
	-13	12.5~13.0
	-13.5	13.0~13.5
	-14	13.5~14.0
	-14.5	14.0~14.5
	-15	14.5~15.0
	-15.5	15.0~15.5
	-16	15.5~16.0

	Specification	Clamping range
SK20	-3	2.5~3.0
	-4	3.5~4.0
	-5	4.5~5.0
	-6	5.5~6.0
	-7	6.5~7.0
	-8	7.5~8.0
	-9	8.5~9.0
	-10	9.5~10.0
	-11	10.5~11.0
	-12	11.5~12.0
	-13	12.5~13.0
	-14	13.5~14.0
	-15	14.5~15.0
	-16	15.5~16.0
	-18	17.5~18.0
	-19	18.5~19.0
	-20	19.5~20.0

Specification	d	d1	L	L1	L2
SK6	10.4	7.5	25	3.8	17.4
SK10	15.5	12	30.5	5.0	21.3
SK16	24.6	18.8	45	8.0	32
SK20	29	22.5	54	8.0	46

Feature

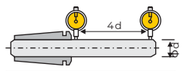
1、 High precision with powerful clamping force.
2、 Stable run-out accuracy to enhance fine machining surface roughness.
3、Finish surface with long durability.



Specification	D	L	RANGE
ER8	8.5	13.5	0.5
ER11	11.5	18	0.5
ER16	17	27.5	1.0
ER20	21	31.5	1.0
ER25	26	34	1.0
ER32	33	40	1.0
ER40	41	46	1.0

ER HIGH PRECISION COLLET

ER



(MAX.mm)	
	0.01
0.005	0.02
0.01	

	Specification	Clamping range
ER8	0.5	0.5
	1.0	0.5~1.0
	1.5	1.0~1.5
	2.0	1.5~2.0
	2.5	2.0~2.5
	3.0	2.5~3.0
	3.5	3.0~3.5
	4.0	3.5~4.0
	4.5	4.0~4.5
	5.0	4.5~5.0

	Specification	Clamping range
ER11	1.0	0.5~1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0

	Specification	Clamping range
ER16	1.0	0.5~1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0

	Specification	Clamping range
ER20	1.0	0.5~1.0
	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0

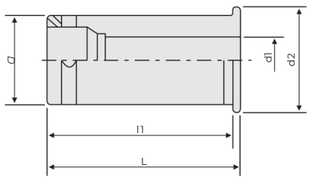
	Specification	Clamping range
ER25	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0

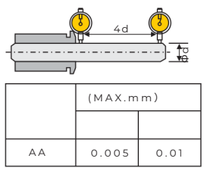
	Specification	Clamping range
ER32	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0
	17.0	16.0~17.0
	18.0	17.0~18.0
	19.0	18.0~19.0
	20.0	19.0~20.0

	Specification	Clamping range
ER40	2.0	1.0~2.0
	3.0	2.0~3.0
	4.0	3.0~4.0
	5.0	4.0~5.0
	6.0	5.0~6.0
	7.0	6.0~7.0
	8.0	7.0~8.0
	9.0	8.0~9.0
	10.0	9.0~10.0
	11.0	10.0~11.0
	12.0	11.0~12.0
	13.0	12.0~13.0
	14.0	13.0~14.0
	15.0	14.0~15.0
	16.0	15.0~16.0
	17.0	16.0~17.0
	18.0	17.0~18.0
	19.0	18.0~19.0
	20.0	19.0~20.0
	21.0	20.0~21.0
	22.0	21.0~22.0
	23.0	22.0~23.0
	24.0	23.0~24.0
	25.0	24.0~25.0
	26.0	25.0~26.0

Feature

1、High precision with powerful clamping force.
2、Stable run-out accuracy to enhance fine machining surface roughness.
3、Finish surface with long durability.





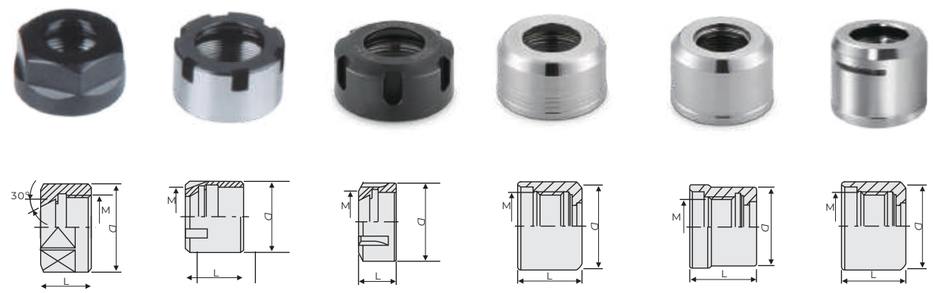
	(MAX.mm)	
AA	0.005	0.01

C POWER CHUCK COLLET

	Specification	Size D	d2	L	L1
C20	3,4,5,6,8,10,12,16	20	25	52.5	49
C25	6,8,10,12,16,20	25	30	59	56
C32	6,8,10,12,16,20,25,15,19,24	32	37.5	65	67.4
	1/4,5/16,3/8,1/2,3/4,5/8,1"	32	37.5	65	67.4
C42	6,8,10,12,16,20,25,32,15,19,24	42	47	80	76
	1/4,5/16,3/8,1/2,5/8,3/4,1"	42	47	80	76

Feature

1、 High precision with powerful clamping force.
2、Stable run-out accuracy to enhance fine machining surface roughness.
3、Finish surface with long durability.



HIGH PRECISION CLAMPING NUT

	Specification	D	L	M	
ER-A	ER11A	19	11.5	M14X0.75	ER11A
	ER16A	28	17	M22X1.5	ER16A
	ER20A	34	19.0	M25X1.5	ER20A
ER-M	ER8M	12	10.8	M10X0.75	ER8M
	ER11M	16	12.0	M13X0.75	ER11M
	HER16M	22	18	M19X1.0	ER16M
	ER20M	28	19.0	M24X1.0	ER20M
ER-UM	ER25M	35	20.0	M32X1.0	ER25M
	HER25UM	42	20.0	M32X1.5	ER25U M
	HER32UM	50	23	M40X1.5	ER32UM
	ER40UM	63	26	M50X1.5	ER40UM

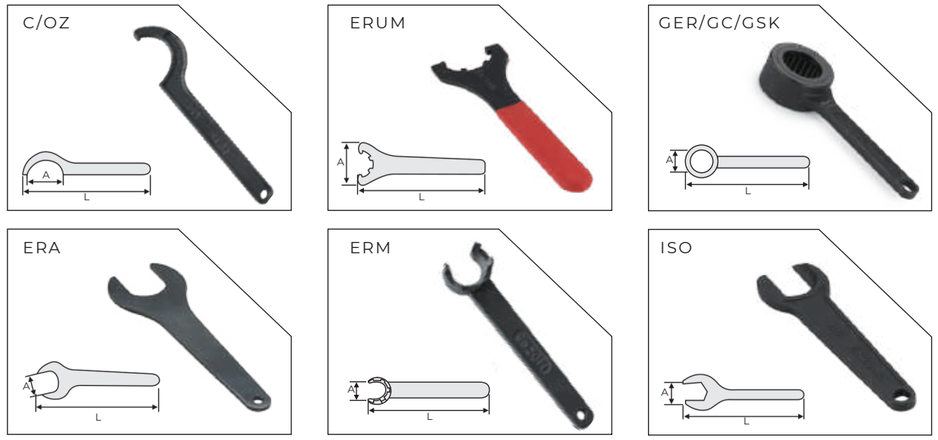
	Specification	D	L	M	
GER	GER16	27	24.7	TM22X1.5	GER16
	GER20	35	25.5	TM26X1.5	GER20
	GER25	40	25.9	TM32X1.5	GER25
	GER32	48	26.6	TM40X1.5	GER32

	Specification	D	L	M	
ISO-ER	ER11MS	16	11.3	M13X0.75	ER11MS
	ER16MS	22	17	M19X1.0	ER16MS
	ER20MS	28	19	M24X1.0	ER20MS
	ER25MS	35	23	M30X1.0	ER25MS

Feature

1、Thermal treatment process improve the clamping precision and stability.
2、 Finish surface with long durability.
3、Pre-balanced is G2.5 25000rpm for enhanced run-out accuracy.

FITTING



SPANNER

	Specification	A	L	(KGS)
C	C20	50-55	245	0.17
	C25	56-61	270	0.2
	C32	68-73	290	0.3
OZ	C42	88-96	340	0.42
	OZ25	55-60	250	0.24

	Specification	A	L	(KGS)
A	ER11A	17.2	120	0.10
	ER16A	25.2	140	0.15
	ER20A	30.3	160	0.19
M	ER8M	12	75	0.05
	ER11M	16	95	0.04
	ER16M	22	117	0.06
	ER20M	28	129	0.07
	ER25M	35	142	0.09
UM	ER25UM	42	210	0.15
	ER32UM	50	250	0.28
	ER40UM	64	290	0.42

	Specification	A	L	(KGS)
GER	GER16,GER16MINI	30,27	150	0.24
	GER20,GER20MINI	35,30	160	0.30
	GER25,GER25MINI	40,35	180	0.35
GSK	GER32	48	180	0.70
	GSK6	19.5	110	0.11
	GSK10	27	150	0.29
	GSK16	40	170	0.39
	GSK20	48	210	0.38

	Specification	A	L	(KGS)
ISO	ISO20	18.2	175	0.11
	ISO25	27	175	0.12
	ISO30	40	220	0.15

Feature

1、Thermal treatment process improve the clamping precision and stability.
2、Finish surface with long durability.

product name	Item	Spec	Height
Z-axis Electro-optical Zero Setter	ZOP-50	Electro-optical	50

product name	Item	Spec	Height
Z-axis Scale Zero Setter(magnetic)	ZDI-50	Scale with magnetic	50

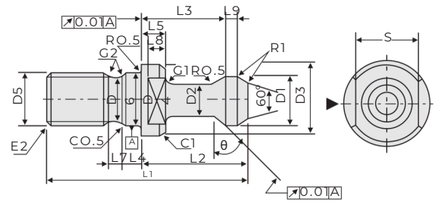
product name	Item	Length
Spindle Test Bar	BT30 BT40 BT50	200L/250L 250L/300L/350L 315L/350/400L

product name	Item	Spec
Modular Concentricity Test Gauge	BT30 BT40 BT50	MCT30 MCT40 MCT50

product name	Item	Shank Diameter	Length	Gauge head
Electro-optical Edge Finder	EOP-20	ø20	160	ø10

product name	Item	Shank Diameter	Length	Gauge head
Mechanical Edge Finder(Anti-Magnetic)	MOP-10	ø10	160	ø10

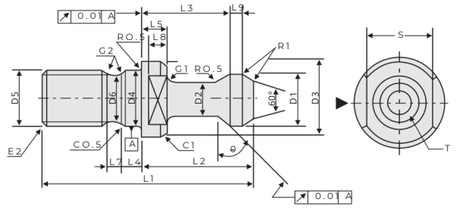
product name	Item	Shank Diameter	Length	Gauge head
Ceramic Edge Finder	COP-10	ø10	160	ø10



BT PULL STUD

BT

	Specification	L1	D4	D5	D6	E2	G2	L4	L7	D3	G1	L5	S	D1	D2	L2	L3	L9	θ
		Size																	
BT30	30	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	30
	45	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	45
	60	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	60
	90	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	90
BT40	30	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	30
	45	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	45
	60	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	60
	90	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	90
BT50	30	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	30
	45	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	45
	60	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	60
	90	71	25	M24	20	3	1.5	8	5	36	5	10	30	24	18	31	35	5	90
	90L	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	90



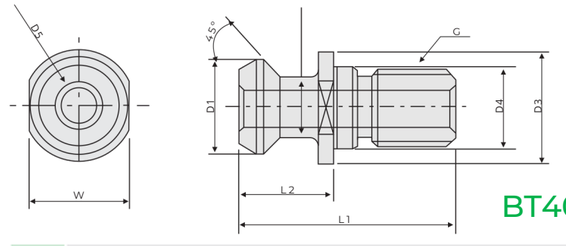
BT PULL STUD WITH COOLANT HOLE

BT

	Specification	L1	D4	D5	D6	E2	G2	L4	L7	D3	G1	L5	S	D1	D2	L2	L3	L9	θ
		Size																	
BT30	30 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	30
	45 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	45
	60 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	60
	90 COOLANT	43	12.5	M12	9.5	1.75	1	4	3	16.5	2	5	13	11	7	23	18	2.5	90
BT40	30 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	30
	45 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	45
	60 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	60
	90 COOLANT	60	17	M16	13	2	1	5	4	23	3	6	19	15	10	35	28	3	90
BT50	30 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	30
	45 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	45
	60 COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	60
	90 COOLANT	71	25	M24	20	3	1.5	8	5	36	5	10	30	24	18	31	35	5	90
	90L COOLANT	85	25	M24	20	3	1.5	8	5	38	5	10	30	23	17	45	35	5	90

Feature

1、Thermal treatment process improve the clamping precision and stability.
2、Finish surface with long durability.



PULL STUD

BT40/BT50 MAZAK

	Specification	L1	L2	D1	D2	D3	D4	D5	W	G
		Size								
BT40	MAZAK	44.1	19.1	18.8	12.45	22	17	7	19	M16
BT50	MAZAK	65.2	25.2	29	20.83	36	25	10	30	M24

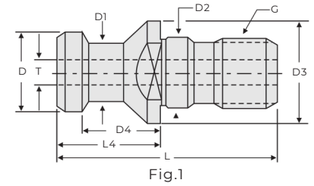


Fig.1

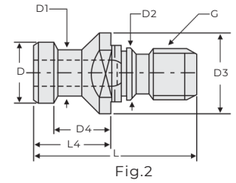


Fig.2

PULL STUD

DIN69872A/B

	Specification	Fig	L	L4	D	D1	D2	D3	D4	T
		Size								
	DIN69872A-P16D	A	54	26	19	14	17	23	20	7.5
	DIN69872A-P24D	A	74	34	28	21	25	36	25	11.5
	DIN69872B-P16D	B	57	26	19	14	17	23	20	–
	DIN69872B-P16D	B	74	34	28	21	25	36	25	–

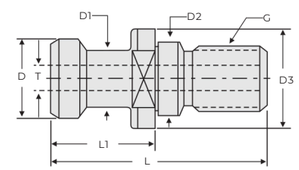


Fig.1

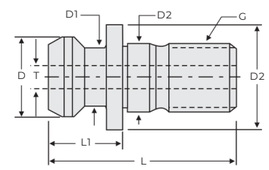


Fig.2

PULL STUD

DIN69872A/B

	Specification	Fig	L	D	D1	D2	D3	T	G
		Size							
	ISO7388/2A-P16D	A	54	19	14	17	23	7.5	M16
	ISO7388/2A-P24D	A	74	28	21	25	36	11.5	M24
	ISO7388/2B-P16D	B	44.5	18.9	12.9	17	22.5	7.5	M16
	ISO7388/2B-P16D	B	65.5	29.1	19.6	25	36	11.5	M24

Feature

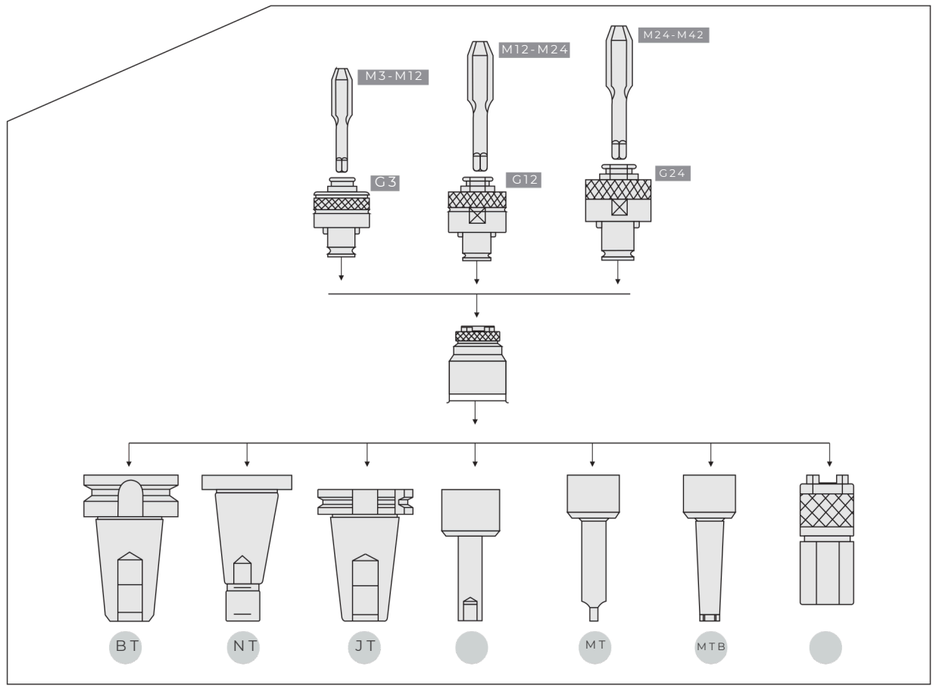
1、Thermal treatment process improve the clamping precision and stability.
2、Finish surface with long durability.

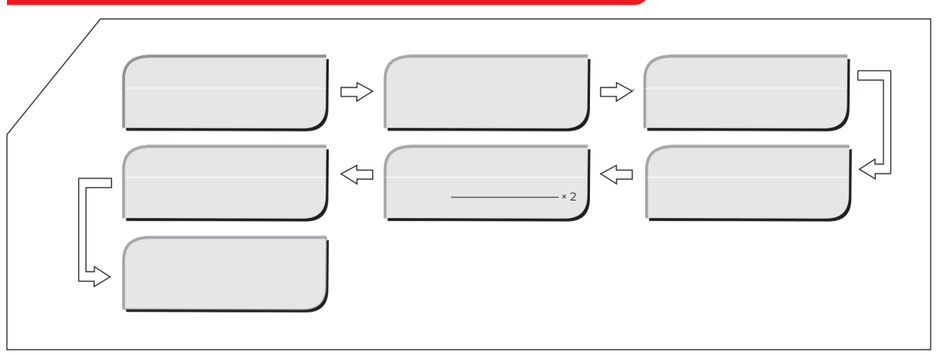
TAPPING TOOL HOLDER SERIES

High Precision Casting

TAPPING TOOL HOLDER

TAPPING TOOL HOLDER

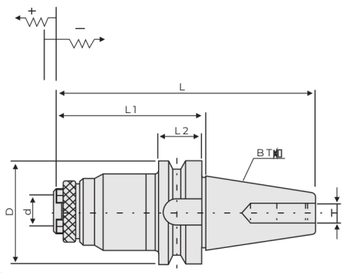




TAPPING TOOL HOLDER

1 TENSION AND COMPRESSION TAPER HOLDER
Tension and compression function can prove screw and tap tooth space moving sleekly and synchronously with machine.It should be used in the scope of designed tension and compression.
①.Over tension
The black mark can be seen at this time.Please speed upthe working speed of axis.
②.over compression
Reduce the moving speed of axis.
2 In case of small hole in taping model,torque protection function makes taps idling. Don't adjust the torqueinsteadof large one.
3 When blind hole tapping,Z axis programmed with slant depth and under the gyroscopic
force and touch the bottom part,in case of reduce programmed Z axis data instruction.
4.When Z system tapping chuck in use, in other case of orifice touched,please stop the Z point,
tapping chuck run up with Zaxis in the state of elongation.
5 In case of artificial damage or after warranty period,The costfor evaluating and remanding
should be charged.

	N.m	N.m	N.m	N.m	KW	N.m	N.m	N.m
M5	2.26	3.39	4.52	4.78	0.247	2.28	2.26	4.52
M6	3.39	4.78	5.65	11.3	0.373	4.52	3.39	6.78
M8	4.52	9.04	8.48	17	0.373	6.78	5.65	11.3
M10	11.3	22.6	20.3	28.3	0.56	14.7	12.4	24.9
M12	11.3	22.6	20.3	33.9	0.746	22.6	20.3	33.9
M14	22.6	67.8	56.5	90.4	0.93	39.5	39.5	73.4
M16	28.3	67.8	72.5	123	0.56	51	51	73.4
M20	56.5	113	113	170	1.3	73.4	73.4	107



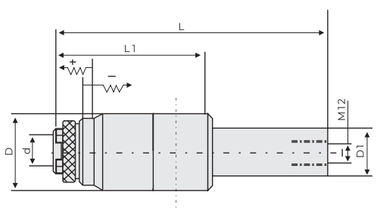
BT TENSION AND COMPRESSION TAPPING HOLDER

B T

	Specification	Tapping range	D	d	L	L1	L2	T	Collet
BT30	G0312	M3–M12	46	19	141	87.6	20	M12	G3
BT40	G0312	M3–M12	63	19	153	92.6	25	M16	G3
	G1224	M12–M24	63	30	200	134.6	25	M16	G12
BT50	G0312	M3–M12	100	19	199	97.2	35	M24	G3
	G1224	M12–M24	100	30	246	142.2	35	M24	G12
	G2442	M24–M42	100	45	276	174.2	35	M24	G24

Feature

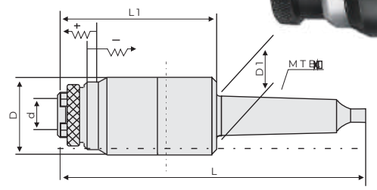
1、Overload protection to avoid breakage of taps.
2、Floating chuck with tension and compression function, tools can be changed quickly.
3、Suitable for CNC machine center,drilling machine, lathes.
4、Tapping range: M3-M42.



TENSION AND COMPRESSION TAPPING HOLDER WITH STRAIGHT SHANK

	Specification	Tapping range	D	d	L	L1	D1	Collet
C20	50-G0312	M3-M12	46	19	149	89	20	G3
	100-G0312	M3-M12	46	19	189	89	20	
C25	50-G0312	M3-M12	46	19	149	89	25	G3
	100-G0312	M3-M12	46	19	189	89	25	
C32	100-G1224	M12-M24	66	30	220	120	25	G12
	100-G1224	M12-M24	66	30	220	120	32	

1、Overload protection to avoid breakage of taps.
2、Floating chuck with tension and compression function, tools can be changed quickly.
3、Suitable for drilling machine, lathes.tapping machines.
4、Tapping range: M3-M42.



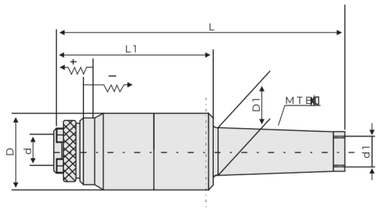
MTA MORSE FLOATING TAPPING HOLDER

MTA

	Specification	Tapping range	D	d	d1	D1	L	L1	Collet
MTA3	G0312	M3-M12	46	19	M12	23.825	176	89	G3
	G1224	M12-M24	66	30	M12	23.825	206	120	G12
MTA4	G0312	M3-M12	46	19	M16	31.267	199	89	G3
	G1224	M12-M24	66	30	M16	31.267	229	120	G12

Feature

1、Overload protection to avoid breakage of taps.
2、Floating chuck with tension and compression function, tools can be changed quickly.
3、Suitable for drilling machine, lathes. Milling machines.
4、Tapping range: M3-M42.



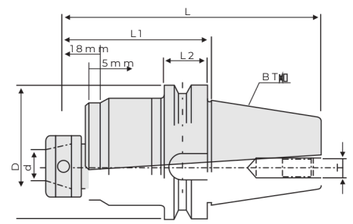
MTB MORSE TAPPING HOLDER

MTB

	Specification	Tapping range	D	d	d1	D1	L	L1	Collet
MTB3	G0312	M3-M12	46	19	M12	23.825	176	89	G3
	G1224	M12-M24	66	30	M12	23.825	206	120	G12
MTB4	G0312	M3-M12	46	19	M16	31.267	199	89	G3
	G1224	M12-M24	66	30	M16	31.267	229	120	G12

Feature

1、 Overload protection to avoid breakage of taps.
2、Floating chuck with tension and compression function, tools can be changed quickly.
3、Suitable for drilling machine, lathes. Milling machines.
4、Tapping range: M3-M42.



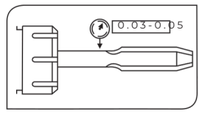
BT RIGID TAPPING TOOL HOLDER

BT

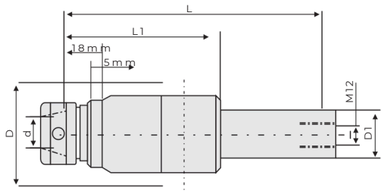
	Specification	Tapping range	D	L	L1	L2	T	Collet
BT30	TER16	M2-M12	46	149	100.6	20	M12	ER16
	TER20	M2-M16	46	151	102.6	20	M12	ER20
	TER25	M2-M22	46	153	104.6	20	M12	ER25
	TER32	M2-M30	46	156	107.6	20	M12	ER32
BT40	TER16	M2-M12	63	161	95.6	25	M16	ER16
	TER20	M2-M16	63	163	97.6	25	M16	ER20
	TER25	M2-M22	63	165	99.6	25	M16	ER25
	TER32	M2-M30	63	168	102.6	25	M16	ER32
BT50	TER16	M2-M12	100	207	105.2	35	M24	ER16
	TER20	M2-M16	100	209	107.2	35	M24	ER20
	TER25	M2-M22	100	211	109.2	35	M24	ER25
	TER32	M2-M30	100	214	112.2	35	M24	ER32

Feature

1、The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2、ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3、Do not lock the clamping nut too tight in order to avoid damage.



TAPPING TOOL HOLDER

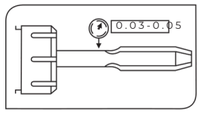


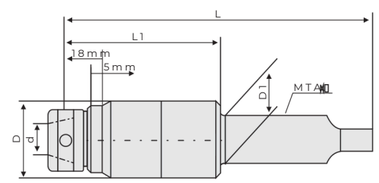
RIGID TAPPING TOOL HOLDER WITH STRAIGHT SHANK

	Specification	Tapping range	D	L	L1	D1	Collet
C20	50/100-TER16	M2-M12	46	147/197	97	20	ER16
	50/100-TER20	M2-M16	46	149/199	99	20	ER20
	50/100-TER25	M2-M22	46	161/201	101	20	ER25
	50/100-TER32	M2-M30	46	164/204	104	20	ER32
C25	50/100-TER16	M2-M12	46	147/197	97	25	ER16
	50/100-TER20	M2-M16	46	149/199	99	25	ER20
	50/100-TER25	M2-M22	46	161/201	101	25	ER25
	50/100-TER32	M2-M30	46	164/204	104	25	ER32

Feature

1、The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2、ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3、Do not lock the clamping nut too tight in order to avoid damage.



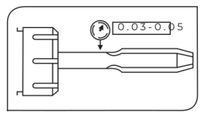


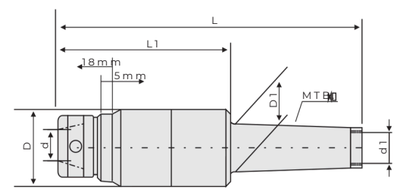
MTA MORSE RIGID TAPPING TOOL HOLDER

	Specification	Tapping range	D	L	L1	D1	Collet
MTA2	TER16	M2-M12	46	177	97	17.78	ER16
	TER20	M2-M16	50	198	99	23.825	ER20
	TER25	M2-M22	46	181	101	17.78	ER25
MTA3	TER16	M2-M12	50	196	97	23.825	ER16
	TER20	M2-M16	50	198	99	23.825	ER20
	TER25	M2-M22	50	200	101	23.825	ER25
	TER32	M2-M30	50	203	104	23.825	ER32
MTA4	TER16	M2-M12	66	221	97	31.267	ER16
	TER20	M2-M16	66	223	99	31.267	ER20
	TER25	M2-M22	66	225	101	31.267	ER25
	TER32	M2-M30	66	228	104	31.267	ER32
MTA5	TER32	M2-M30	66	260	104	44.339	ER32

Feature

1、The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2、ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3、Do not lock the clamping nut too tight in order to avoid damage.



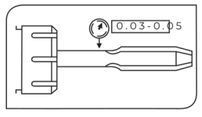


MTB MORSE RIGID TAPPING TOOL HOLDER

	Specification	Tapping range	D	d1	D1	L	L1	Collet
MTB3	TER16	M2-M12	46	M12	23.825	176	89	ER16
	TER20	M2-M24	46	M12	23.825	206	120	ER20
	TER25	M2-M22	46	M12	23.825	176	89	ER25
	TER32	M2-M30	46	M12	23.825	206	120	ER32
MTB4	TER16	M2-M12	46	M16	31.267	199	89	ER16
	TER20	M2-M24	46	M16	31.267	229	120	ER20
	TER25	M2-M22	46	M16	31.267	199	89	ER25
	TER32	M2-M30	46	M16	31.267	229	120	ER32

Feature

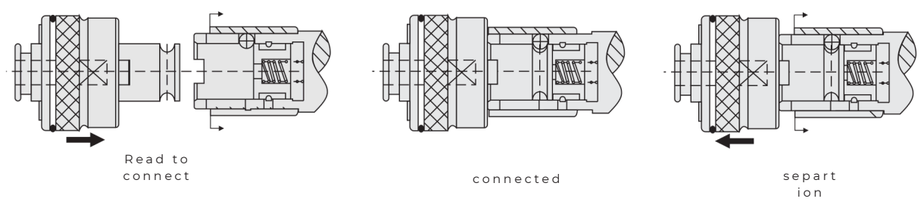
1、The rigidity design ensures precision synchronization between spindle rotation and cutting feed.
2、ER collet can be used for gripping drill bits,reaming cutters and milling cutters.
3、Do not lock the clamping nut too tight in order to avoid damage.



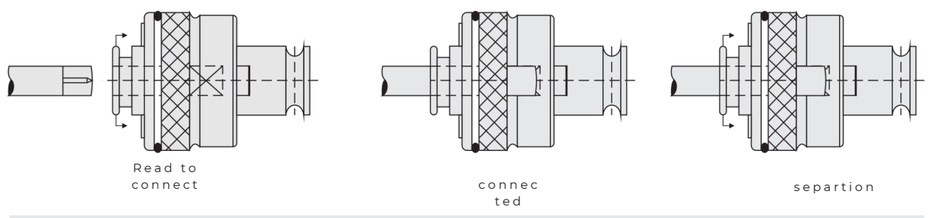
FITTING

G

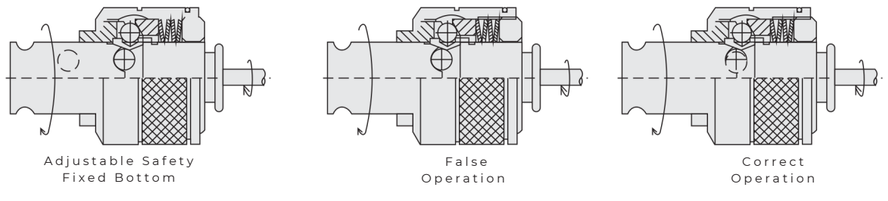
QUICK CHANGE PROTECT TAP COLLET G SYSTEM



SCREW TAP AND COLLET CONNECTING



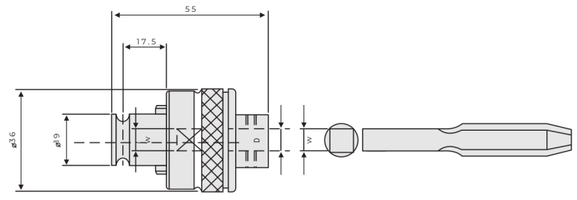
SAFETY FIXED BOTTO ADJUSTING



G3 TAPPING COLLET

G3

Specification	Specification	+0.08	+0.08	Photo
G3	M3	3.15	2.5	F1
G3	M4	4	3.15	F1
G3	M5	5	4	F1
G3	M6-8	6.3	5	F1
G3	M10	8	6.3	F1
G3	M12	9	7.1	F1



G3 TAPPING COLLET

G3

Specification	Specification	Specification	D +0.08	W +0.05
G3	M3	1/8	4	3.2
G3	M4	5/32	5	4
G3	M5	3/16	5.5	4.5
G3	M6	1/4	6	4.5
G3	M8	5/16	6.2	5
G3	M10	3/8	7	5.5
G3		7/16	8	6
G3	M12		8.5	6.5
G3		1/16	9	7

Feature

1、 Overload protection with high precision and sensitivity， which can promise increased tool life.
2、 Sensitive response to torque change and adjustable according to different work piece material.
3、Suitable for various tapping tools and machines.

DT24/DT33

Specification	Tapper Holder	Collet	Tap Sleeve
DT24 MTA□-10PCDS/SET	DT24-MT2 Holder DT24-MT2 Holder DT24-MT2 Holder DT24-MT2 Holder	M4,M5,M6,M8,M10,M12,M14,M16,M18,M20,M22,M24 W3/16,W1/4,W5/16,W3/8,W7/16,W1/2,W5/8,W3/4,W7/8,W1" PT1/8,PT1/4,PT3/8,PT1/2	T24-MT1 T24-MT2 T24-MT3
DT33 MTA□-10PCDS/SET	DT33-MT3 Holder DT33-MT4 Holder DT33-MT5 Holder	M8,M10,M12,M14,M16,M18,M20,M22,M24,M27,M30,M33,M36 W3/16,W1/4,W5/16,W3/8,W7/16,W1/2,W5/8,W3/4,W7/8,W1" PT1/8,PT1/4,PT3/8,PT1/2	T33-MT1 T33-MT2 T33-MT3 T33-MT4

Specification	standard
DT24 MTA□-10PCDS/SET DT33 MTA□-10PCDS/SET	DT24 MTA□HOLDER,JTA6+1/2,DT24-M4,M6,M8,M10,M12,M16,DT24-MT1,DT24-MT2 DT33 MTA□HOLDER,JTA6+1/2,DT33-M8,M10,M12,M16,M20,M24,DT33-MT2,DT33-MT3

TAPPING TOOL HOLDER

DT52 Radial Drilling and Tapping Machine Series

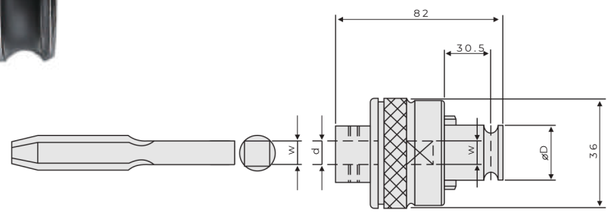
Specification	Collet	Tap Sleeve
DT52-MTA5 Holder	M20,M22,M24,M27,M30,M33,M36,M39,M42,M45,M48,M52 W7/8,W1",W1-1/8,W1-1/4,W1-3/8,W1-1/2,W1-1/5,W1-3/4,W1-7/8,W2"	DT52-MT2 DT52-MT3 DT52-MT4 DT52-MT5

DT52

JIS	Φd	□
DT52 M20	15	12
DT52 M22 W7/8	17	13
DT52 M24 M25	19	15
DT52 M27 W1 PT5/8	20	15
DT52 M30 PT3/4	23	17
DT52 M32 W1-14 PT7/8	24	19
DT52 M33	25	19
DT52 M34 M35 W1-3/8 PT1	26	21
DT52 M36 PT1-1/8	28	21
DT52 M39 M40 W1-1/2	30	23
DT52 M42 W1-5/8	32	26
DT52 M45 M46 W1-3/4 PT1-3/8	35	26
OT52 M48 W1-7/8 PT1-1/2	38	29
DT52 M50 W2	40	32
DT52 M52	42	32
DT52 W1-1/8	22	17

ISO	Φd	□
DT52 M20	14	11.2
DT52 M22	16	12.5
DT52 M24	18	14
DT52 M27 M30	20	16
DT52 M33	22.4	18
DT52 M36	25	20
DT52 M39 M42	28	22.4
DT52 M45 M48	31.5	25
DT52 M52	35.5	28

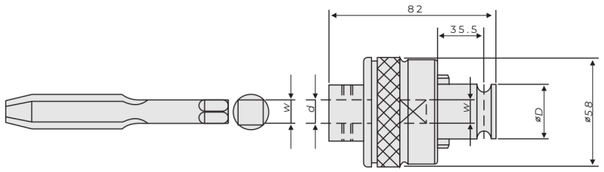
DIN376	Φd	□
DT52 M20	16	12
DT52 M22 M24 W1"	18	14.5
DT52 M27	20	16
DT52 M30	22	18
DT52 M33	25	20
DT52 M36	28	22
DT52 M39 M42	32	24
DT52 M45 M48	26	29
DT52 M52	40	32



G12 TAPPING COLLET

G12

Specification	Specification	d +0.10	w +0.15	D
G12	M6-8	6.3	5	31
G12	M10	8	6.3	31
G12	M12	9	7.1	31
G12	M14	11.2	9	31
G12	M16	12.5	10	31
G12	M18-20	14	11.2	31
G12	M22	16	12.5	31
G12	M24	18	14	31



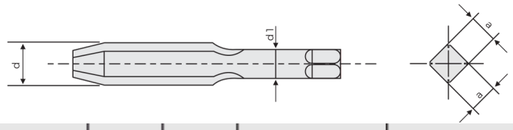
G12 TAPPING COLLET

G12

Specification	Specification	d +0.10	W +0.15	D
G12	M6	6	4.5	31
G12	M8	6.2	5	31
G12	M10	7	5.5	31
G12	M12	8.5	6.5	31
G12	M14	10.5	8	31
G12	M16	12	9	31
G12	M18	14	11	31
G12	M20	15	12	31
G12	M22	17	13	31
G12	M24	19	15	31

1、 Overload protection with high precision and sensitivity, which can promise increased tool life.
2、 Sensitive response to torque change and adjustable according to different work piece material.
3、 Suitable for various tapping tools and machines.

TAPPING TOOL HOLDER



SPECIFICATIONS

			JIS		ISO		DIN371		DIN376		
M3		W1/8	4	3.2	3.15	2.5	3.5	2.7	2.2		3.18
M4/M4.5		W5/32	5	4	4	3.15	4.5	3.4	2.8	2.1	3.97
M5/M5.5		W3/16	5.5	4.5	5	4	6	4.9	3.5	2.7	4.76
M6	U1/4	W1/4	6	4.5	6.3	5	6	4.9	4.5	3.4	6.35
	U5/16	W5/16	6.1	5.5							7.94
M8/M7			6.2	5	6.3	5	8	6.2	6	4.9	
M10/M9	U3/8	W3/8	7	5.5	8	6.3		8	7	5.5	9.52
M11	U7/16	W7/16	8	6							11.11
M12			8.5	6.5	9	7.1			9	7	
	U1/2	W1/2	9	7							12.7
M14/M15	U9/16	W9/16	10.5	8	11.2	9			11	9	14.28
M16	U5/8	W5/8	12	9							15.88
			12.5	10	12.5	10			12	9	
M17			13	10							
M18	U3/4	W3/4	14	11	14	11.2			14	11	19.05
M20			15	12	14	11.2			16	12	
M22	U7/8	W7/8	17	13	16	12.5			18	14.5	22.22
M24/M25			19	15	18	14			18	14.5	
M25/M26	U1	W1	20	15							25.4
M27			20	15	20	16			20	16	
M28			21	17							
	U1 1/8	W1 1/8	22	17							28.58
M30			23	17	20	16			22	18	
M32	U1 1/4	W1 1/4	24	19							31.75
M33			25	19	22.4	18					
M34/M35	U1 3/8	W1 3/8	26	21							34.93
M36			28	21	25	20					
M39/M40	U1 1/2	W1 1/2	30	23							38.1
M42		W1 5/8	32	26	28	22.4					41.28
M45	U1 3/4	W1 3/4	35	26							44.45
M48		W1 7/8	38	29	31.5	25					47.63

ANMI
SYNCHRONOUS SOLUTION

PROBLEM AND SOLUTIONS IN TAPPING PROCESS

1			
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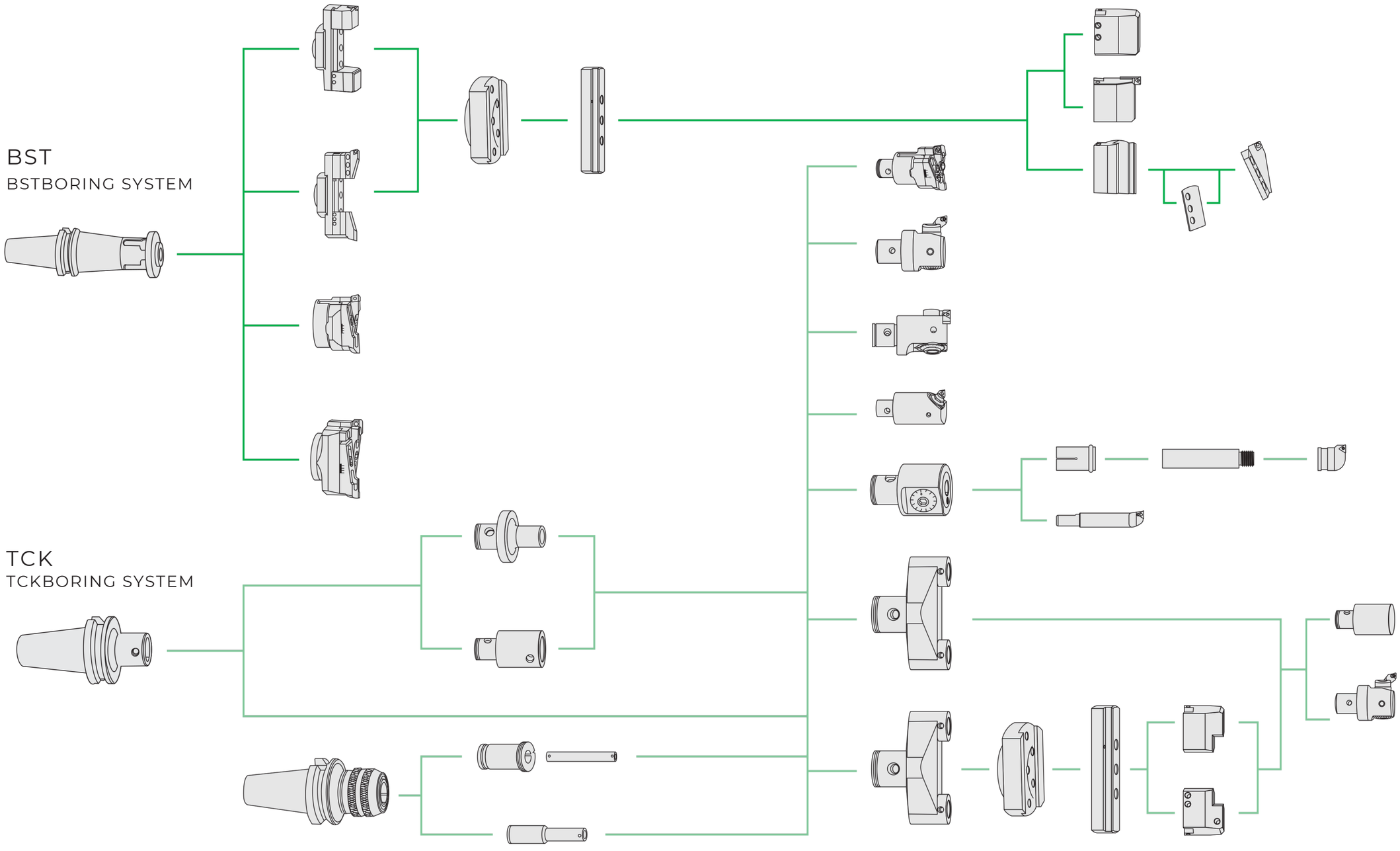
BORING TOOL SYSTEM



CONTENTS

NBH2084 Fine boring system / tool kit

NBJ16 Fine boring system / tool kit

EWN Fine boring head

RBH Adjustable twin-head boring tool

CBH Large-diameter fine boring head

RBH Adjustable large diameter twin-head boring tool

BST Twin-blade boring tool

BT CK type rough boring bar

BT LBK type boring bar

CK Modular extension bar / fixed length extension bar

Safety boring bar (modular + fixed shank) / modular boring bar type BE (boring range Ø9–34mm)

DCK2-FBH25P Precision fine boring system

DCK3-FBH32P Precision fine boring system

DCK4-FBH40P Precision fine boring system

DCK5-FBH50P Precision fine boring system

DCK6-FBH63P Precision fine boring system

DCK6-FBH63P Modular fine boring system

BSA 45° adjustable angle boring bar

BSB 90° right angle boring bar

BSA 45° adjustable angle tool holder / BSB 90° right angle tool holder

CBS Three-blade / BSB five-blade boring head

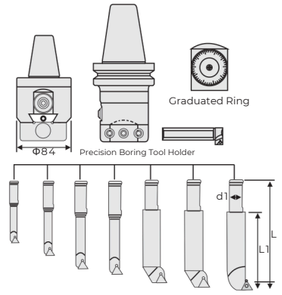
Fixed diameter boring cutter

BT taper shank size / SK taper shank size / CAT taper shank size / ISO taper shank size

NC Tool holder accessories

HSK Tool holder accessories

BORING TOOL SYSTEM



MICRO BORING TOOL SYSTEM

Specification	Boring Range	Turning precision	Stroke	Weight(KG)
NBH2084	Φ8~Φ280	Φ0.01mm	28.0mm	3.0

	Specification	Boring Range	d1	L1	L	Applicable inserts	Clamp screw	spanner	Weight(KG)
SBJ	-2008-32	8~11	20	32	80	TBGT0601..L	M2.0×5	T6	0.095
	-2010-40	10~13	20	40	87	TBGT0601..L	M2.0×5	T6	0.095
	-2012-53	12~17	20	53	98	TPGH0902..L	M2.5×6	T8	0.12
	-2016-68	16~21	20	68	110	TPGH0902..L	M2.5×6	T8	0.16
	-2020-83	20~130	20	83	123	TPGH1103..L	M3.0×7	T8	0.22
	-2025-96	25~135	20	96	137	TPGH1103..L	M3.0×7	T8	0.34
	-2030-115	30~140	20	115	152	TPGH1103..L	M3.0×7	T8	0.54
	-2020-L	120~280	20	84+BTL1	100	TPGH1103..L	M3.0×7	T8	0.23

Feature

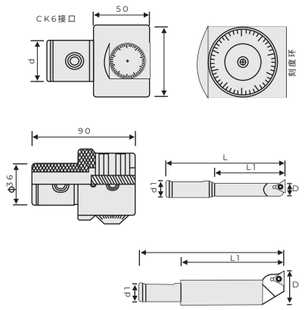
1、Precision adjustable boring head with boring range 8-280mm,

2、8 piece boring bar for free selection of different boring range.

3、Stable boring .0.01mm for each changing dimension.

NBH2084

	Specification	Boring Range	Spindle model	Head Spec	Boring bar	Weight(KG)
BT40	NBH2084-8P	08~280	BT40-NBH-50	NBH2084	SBJ-20..	9.5
BT50	NBH2084-8P	08~280	BT50-NBH-55	NBH2084	SBJ-20..	12.0
NT40	NBH2084-8P	08~280	NT40-NBH-50	NBH2084	SBJ-20..	9.3
NT50	NBH2084-8P	08~280	NT50-NBH-55	NBH2084	SBJ-20..	10.8
SK40	NBH2084-8P	08~280	SK40-NBH-50	NBH2084	SBJ-20..	9.5
SK50	NBH2084-8P	08~280	SK50-NBH-55	NBH2084	SBJ-20..	12.0
R8	NBH2084-8P	08~280	R8-NBH-50	NBH2084	SBJ-20..	10.0

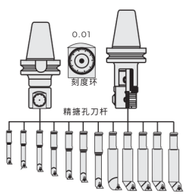


NBJ16 MICRO BORING TOOL SYSTEM

NBJ16

Specification	Boring Range	Turning precision	Stroke	Weight(KG)
SBJ16	Φ6~Φ51	Φ0.01mm	6.0mm	1.2

	Specification	Boring Range	d1	L1	L	Applicable inserts	Clamp screw	spanner	Weight(KG)
SBJ	-1606-24*	6~9	16	24	73	WBGT0601..L	M2.0×4	T6	0.014
	-1608-32	8~11	16	32	80	TBGT0601..L	M2.0×5	T6	0.077
	-1610-40	10~13	16	40	87	TBGT0601..L	M2.0×5	T6	0.082
	-1612-53	12~15	16	53	98	TPGH0902..L	M2.5×6	T8	0.095
	-1614-60*	14~17	16	60	103	TPGH0902..L	M2.5×6	T8	0.101
	-1616-68	16~21	16	68	110	TPGH0902..L	M2.5×6	T8	0.143
	-1620-83	20~26	16	83	125	TPGH1103..L	M3.0×7	T8	0.203
	-1625-90	25~31	16	90	128	TPGH1103..L	M3.0×7	T8	0.275
	-1630-90	30~36	16	90	128	TPGH1103..L	M3.0×7	T8	0.275
	-1635-90*	35~41	16	90	128	TPGH1103..L	M3.0×7	T8	0.280
	-1640-90	40~46	16	90	128	TPGH1103..L	M3.0×7	T8	0.280
	-1645-90*	45~51	16	90	128	TPGH1103..L	M3.0×7	T8	0.211



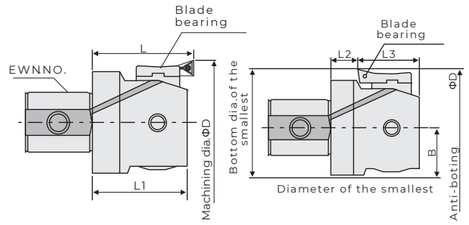
NBJ16 MICRO BORING TOOL SYSTEM

NBJ16

	Specification	Boring Range	Spinde handle models	Head NO	Bar keep out	Weight(KG)
BT40	NBJ16-12P	6~51	BT40-CK6-55	NBJ16	SBJ-16..	9.1
BT50	NBJ16-12P	6~51	BT50-CK6-65	NBJ16	SBJ-16..	11.7
NT40	NBJ16-12P	6~51	NT40-CK6-55	NBJ16	SBJ-16..	8.5
NT50	NBJ16-12P	6~51	NT50-CK6-65	NBJ16	SBJ-16..	10.3
SK40	NBJ16-12P	6~51	SK40-CK6-55	NBJ16	SBJ-16..	8.9
SK50	NBJ16-12P	6~51	SK50-CK6-65	NBJ16	SBJ-16..	10.5

Feature

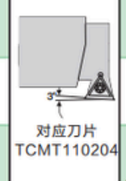
1、Precision adjustable boring head with boring range 6-51mm, 0.01mm for each changing dimension.
2、8 piece boring bar for free selection of different boring range. 3、Stable boring.



EWN MICRO BORING HEAD

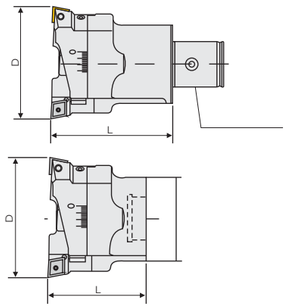
EWN

	Specification	L1	L	Range	B	L2	L3	Range	Holder	Blade bearing	Insert	Screw	Wrench	Weight
CK LBK	EWN20-36	29.5	32.5	20-26 25-31 30-36	10	10.5	19	- - 30-36	CK1 LBK1	ENH1-1 ENH1-2 ENH1-3	TPGH 080202	M2.2	T6	0.07
	EWN25-47	32.5	35.5	25-33 32-40 39-47	12.5	11.5	21	- 36-40 39-47	CK2 LBK2	ENH2-1 ENH2-2 ENH2-3	TPGH 080202	M2.2	T6	0.12
	EWN32-60	35	40	32-42 41-51 50-60	16	10	25	- 46-51 50-60	CK3 LBK3	ENH3-1 ENH3-2 ENH3-3	TPGH 080202	M2.2	T6	0.21
	EWN41-74	43	47	41-54 50-63 61-74	20	14	29	- 53-63 61-74	CK4 LBK4	ENH4-1 ENH4-2 ENH4-3	TCMT 110204	M2.5	T8	0.40
	EWN53-95	53	57	53-70 65-82 78-95	25.5	19	34	53-70 65-82 78-95	CK5 LBK5	ENH5-1 ENH5-2 ENH5-3	TCMT 110204	M2.5	T8	1.10
	EWN68-150	67.2	71	68-100 94-126 118-150	32.5	22	45.2	80-100 94-126 118-150	CK6 LBK6	ENH6-1 ENH6-2 ENH6-3	TCMT 110204	M2.5	T8	1.47
	EWN100-203	67.2	71	100-153 126-179 150-203	45.5	22	45.2	112-153 126-179 150-203	CK6 LBK6	ENH6-1 ENH6-2 ENH6-3	TCMT 110204	M2.5	T8	2.46

	Specification	Drawing of shape	Boring head	Specification	Drawing of shape	Boring head	Specification	Drawing of shape	Boring head
EWN	1-1 1-2 1-3	对应刀片 TPGH080202	SCK1-EWN20-36	4-1 4-2 4-3	 对应刀片 TCMT110204	SCK4-EWN41-74	4-1 4-2 4-3	对应刀片 TCMT110204	SCK4-EWN41-74
	2-1 2-2 2-3		SCK2-EWN25-47	5-1 5-2 5-3		SCK5-EWN53-95	5-1 5-2 5-3		SCK5-EWN53-95
	3-1 3-2 3-3		SCK3-EWN32-60	6-1 6-2 6-3		SCK6-EWN68-150 SCK6-EWN100-203	6-1 6-2 6-3		SCK6-EWN68-150 SCK6-EWN100-203

Feature

1、 Precision adjustable boring head with boring range 8-280mm，0.01mm for each dial diameter.
2、 Internal cooling direct for boring insert, with increased tool life.
3、 Dynamic balance ensures precision and stable boring.



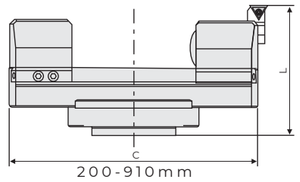
RBH ADJUSTABLE ROUGH BORING HEAD

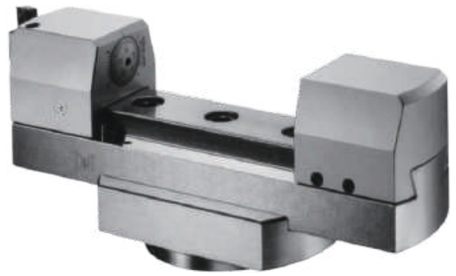
RBH

	Specification	Figure	C (mm) Size	L	Boring range D	Modular holder	Insert	Screw	Wrench	Weight
LBK	RBH19-25-C	A	19	40	19-25	LBK1	CCMT0602	M2.5	T8	0.10
	RBH25-33-C	A	24	45	25-33	LBK2	CCMT0602	M2.5	T8	0.15
	RBH32-42-C	A	31	55	32-42	LBK3	CCMT0602	M2.5	T8	0.30
	RBH40-55-C	A	39	65	40-55	LBK4	CCMT09T3	M4	T15	0.50
	RBH52-70-C	A	50	75	52-70	LBK5	CCMT09T3	M4	T15	1.00
	RBH68-92-C	A	64	85	68-92	LBK6	CCMT1204	M5	T20	2.00
	RBH90-122-C	A	64	100	90-122	LBK6	CCMT1204	M5	T20	2.90
BST	RBH120-164-C	B	95	95	120-164	BST	CCMT1204	M5	T20	3.80
	RBH160-204-C	B	95	95	160-204	BST	CCMT1204	M5	T20	4.80

Feature

1、Adjustable rough boring head with boring range 19-204mm.
2、 Simple modular structure, high boring rigidity for universal boring process.





MODULAR BORING CUTTER

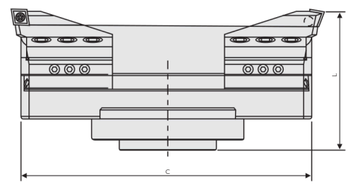
CBH

	Specification	C (mm) Size	L	Boring range	Modular holder	Insert	Screw	Wrench	Total weight
BST	CBH200310	180	130	200-310	BST	TPGH090204 TCMT110204	M2.5	T8	9.7
	CBH300410	280	130	300-410	BST				11.7
	CBH400510	380	130	400-510	BST				13.7
	CBH500610	480	130	500-610	BST				15.7
	CBH600710	580	130	600-710	BST				17.7
	CBH700810	680	130	700-810	BST				19.7
	CBH800910	780	130	800-910	BST				21.7

Specification	Module	Insert	Total weight
BT50-BST系列Series	Module holder		
BST-FI200	Flange		2.7
DST200 DST300 DST400 DST500 DST600 DST700 DST800	Extension Slide		3.4 5.4 7.4 9.4 11.4 13.4 15.4
DBN300	Balance Weight		1.6
CB200	Finsert Head		1.6

Suit insert

TPGH080202/M2.2/T7,TPGH090204/M2.5/T8,TCMT110204/M2.5/T8,TPGH110304M/3/T15

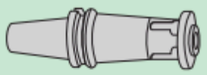
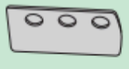
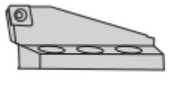


MODULAR BORING CUTTER

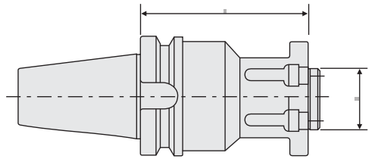
RBH

Φ Φ

	Specification	C	L	Boring range	Modular holder	Insert	Screw	Wrench	Total weight
		(mm)Size							
BST	RBH200310	180	130	200-310	BST	DB200-C12 DB200-T16 DB200-T22 DB200-S12	M5	T20	9.7
	RBH300410	280	130	300-410	BST		M5	T20	11.7
	RBH400510	380	130	400-510	BST		M5	T20	13.7
	RBH500610	480	130	500-610	BST		M5	T20	15.7
	RBH600710	580	130	600-710	BST		M5	T20	17.7
	RBH700810	680	130	700-810	BST		M5	T20	19.7
	RBH800910	780	130	800-910	BST		M5	T20	21.7

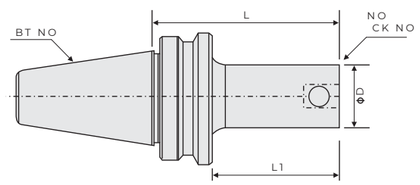
Specification	Module	Insert	Total weight
BT50-BST系列Series	Module holder		
BST-BR200	Flange		2.7
RST200 RST300 RST400 RST500 RST600 RST700 RST800	Extension Slide		3.4 5.4 7.4 9.4 11.4 13.4 15.4
RS200	Clamp Base		0.98
RS201	Height Setting Shim		0.05
RB200-C12 CCMT1204 RB200-T16 TCMT16T3 RB200-T22 TCMT2204 RB200-S12 SCMT1204	Insert Setting and applicable insert		0.68

BORING TOOL SYSTEM



BST

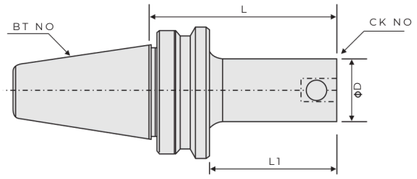
	Specification	D	L	Weight
		(mm) Size		
BT40	BST-70	50	70	3.2
	BST-100	50	100	4.0
BT50	BST-100	50	100	5.10
	BST-150	50	150	6.8
	BST-200	50	200	9.6
	BST-250	50	250	11.5
	BST-300	50	300	14.4
	BST-350	50	350	16.8
	BST-400	50	400	19.3



MODULAR BORING CUTTER

BT CK

	Specification		Szie L	Szie L1	Szie D	Clamp screw	Fig.	Weight(KG)
BT30	CK1-70	CK1	70	45	19	CKM1	1	0.47
	CK2-80	CK2	80	55	24	CKM2	1	0.48
	CK3-80	CK3	80	55	31	CKM3	1	0.48
	CK4-60	CK4	60	36	39	CKM4	1	0.56
	CK5-60	CK5	60	38	49	CKM5	1	0.67
BT40	CK1-75	CK1	75	45	19	CKM1	1	1.06
	CK1-115	CK1	115	85	19	CKM1	1	1.09
	CK2-85	CK2	85	55	24	CKM2	1	1.07
	CK2-120	CK2	120	90	24	CKM2	1	1.15
	CK3-95	CK3	95	65	31	CKM3	1	1.24
	CK3-145	CK3	145	115	31	CKM3	1	1.41
	CK4-85	CK4	85	50	39	CKM4	1	1.15
	CK4-135	CK4	135	105	39	CKM4	1	2.03
	CK5-105	CK5	105	75	49	CKM5	1	1.78
	CK5-165	CK5	165	135	49	CKM5	1	3.30
	CK6-65	CK6	65	35	62	CKM6	1	1.37
	CK6-115	CK6	115	85	62	CKM6	1	2.16
	CK6-165	CK6	165	135	62	CKM6	1	2.91
	CK7-90	CK7	90	63	83	CKM7	1	2.66
BT50	CK1-115	CK1	115	40	19	CKM1	1	3.76
	CK1-145	CK1	145	70	19	CKM1	1	3.88
	CK2-110	CK2	110	80	24	CKM2	1	3.81
	CK2-140	CK2	140	110	24	CKM2	1	4.05
	CK3-135	CK3	135	90	31	CKM3	1	3.86
	CK3-175	CK3	175	130	31	CKM3	1	4.14
	CK4-125	CK4	125	85	39	CKM4	1	4.05
	CK4-185	CK4	185	145	39	CKM4	1	4.57
	CK5-140	CK5	140	100	49	CKM5	1	4.16
	CK5-210	CK5	210	170	49	CKM5	1	5.60
	CK6-95	CK6	95	55	62	CKM6	1	4.45
	CK6-170	CK6	150	110	62	CKM6	1	5.69
	CK6-230	CK6	230	190	62	CKM6	1	6.11
	CK7-105	CK7	105	65	83	CKM7	1	5.34
	CK7-185	CK7	185	145	83	CKM7	1	8.89
	CK7-250	CK7	250	210	83	CKM7	1	10.25



BT LBK BORING TOOL HOLDER

BT LBK

	Specification		Szie L	Szie L1	Szie D	Fig.	Weight(KG)
BT30	LBK1-70	LBK1	70	50	19	1	0.6
	LBK2-80	LBK2	80	60	24	1	0.8
	LBK3-80	LBK3	80	60	31	1	1.0
	LBK4-70	LBK4	70	50	39	1	1.3
	LBK5-60	LBK5	60	40	50	1	1.8
	LBK6-60	LBK6	60	40	64	1	3.0
BT40	LBK1-75	LBK1	75	50	19	1	1.1
	LBK1-105	LBK1	105	80	19	1	1.3
	LBK2-85	LBK2	85	60	24	1	1.3
	LBK2-115	LBK2	115	95	24	1	1.6
	LBK3-95	LBK3	95	70	31	1	1.5
	LBK3-125	LBK3	125	100	31	1	1.8
	LBK3-155	LBK3	155	130	31	1	2.0
	LBK4-85	LBK4	85	60	39	1	1.8
	LBK4-130	LBK4	130	105	39	1	2.4
	LBK4-175	LBK4	175	150	39	1	2.7
	LBK5-75	LBK5	75	50	50	1	2.3
	LBK5-125	LBK5	125	100	50	1	3.3
	LBK5-175	LBK5	175	150	50	1	4.0
	LBK6-65	LBK6	65	40	64	1	3.3
	LBK6-115	LBK6	115	95	64	1	4.7
	LBK6-165	LBK6	165	140	64	1	5.9
BT50	LBK1-115	LBK1	115	80	19	1	4.2
	LBK1-145	LBK1	145	110	19	1	5.6
	LBK2-110	LBK2	110	75	24	1	6.8
	LBK2-140	LBK2	140	105	24	1	5.5
	LBK3-125	LBK3	125	90	31	1	6.9
	LBK3-155	LBK3	155	115	31	1	8.1
	LBK4-115	LBK4	115	80	39	1	4.1
	LBK4-145	LBK4	145	110	39	1	4.2
	LBK4-175	LBK4	175	140	39	1	4.1
	LBK4-205	LBK4	205	170	39	1	4.2
	LBK5-105	LBK5	105	70	50	1	4.4
	LBK5-180	LBK5	180	145	50	1	4.5
	LBK5-240	LBK5	140	205	50	1	4.8
	LBK6-95	LBK6	95	60	64	1	4.9
	LBK6-170	LBK6	170	135	64	1	5.3
	LBK6-230	LBK6	230	195	64	1	5.4
	LBK6-290	LBK6	290	255	64	1	5.5
	LBK6-350	LBK6	350	315	64	1	6.5

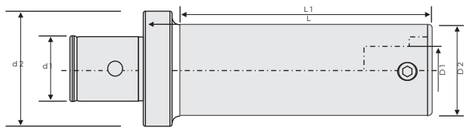
Feature

1、Tool body is finish machined for stable run-out accuracy.
2、Covering interface between tool holder and boring head, precision vibration enhances machining surface roughness.

MODULAR BORING CUTTER

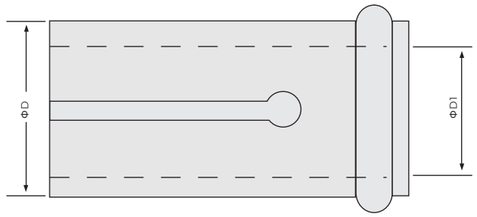
LBK

	Specification	D	d1	d2	L	Weight
		Size				
LBK1	1-30	19	11	11	30	0.07
LBK2	2-30	24	14	14	30	0.1
LBK3	3-30	31	18	18	30	0.15
LBK4	4-45	39	22	22	45	0.4
	4-60	39	22	22	60	0.4
LBK5	5-60	49	28	28	60	0.8
	5-90	49	28	28	90	1.1
LBK6	6-60	62	36	36	60	1.4
	6-100	62	36	36	100	1.8



CK

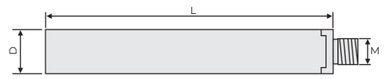
	Specification	D1	D2	d1	d2	L1	L	Weight
		Size						
CK2	1-36	11	19	14	–	30	36	0.1
CK3	2-37	14	24	18	31	25	37	0.15
CK4	3-50	18	31	22	39	37	50	0.35
CK5	4-67	22	39	28	49	50	67	0.7
CK6	4-51	22	39	36	62	35	51	0.85
	4-101	22	39	36	62	85	101	1.3
	5-41	28	50	36	62	25	41	0.85
	5-91	28	50	36	62	75	91	1.45



SIMPLE TYPEBORING

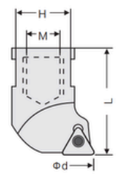
	Specification	(mm)	(mm)	Applicable Carbide Tool Holder
NBJ16	160548	16	5	ST05
	160648	16	6	ST06
	160848	16	8	ST08

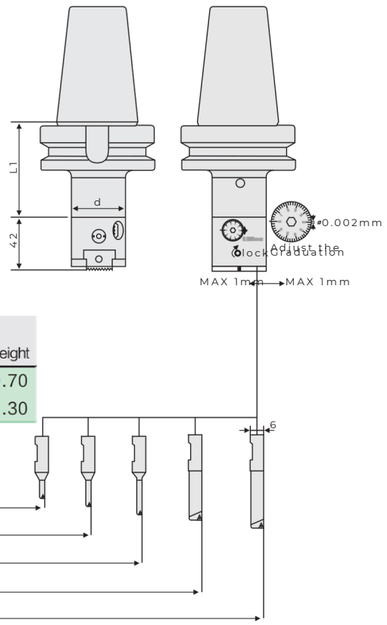
	Specification	(mm)	(mm)	Applicable Carbide Tool Holder
NBH2084	200547	20	5	ST05
	200647	20	6	ST06
	200847	20	8	ST08



	Specification	(mm)	(mm)	(mm)	Applicable Carbide Tool Holder	Applicable Bushing
ST08	W5-100L	100	08	M5	BE09A.BE10.5A	NBJ16-160848.NBH2084-200847
ST010	W6-140L	140	10	M6	BE12A	C2010.C1610
ST012	W6-156L	156	12	M6	BE14A.BE16A	C2012.C1612
ST016	W10-186L	186	16	M10	BE16A	C2016
					BE18A BE20A BE22A BE24A BE26A BE28A BE30A	

	Specification		D (mm)	Applicable Bushing
C0590	WB0608-8D	90	5	NBJ16-160548 NBH0284-200547
C0698	TB7510-8D	98	6	NBJ16-160648 NBH2084-200647
C08115	TB0912-8D	115	8	NBJ16-160848 NBH2084-200847

	Figure	Specification	(mm)	H (mm)	L (mm)	M (mm)	Insert	Clamp Screw	Wrench
ST08		BE09A	9	7	18	M5	TB**06**	M2.0×5×D2.85	T6
ST010		BE10.5A	10.5	7	18	M5	TB**06**	M2.0×5×D2.85	T6
ST012		BE12A	12	8	23	M6	TP**08**	M2.2×5×D3.0	T7
ST016		BE14A	14	10	23	M6	TP**08**	M2.2×5×D3.0	T7
		BE16A	16	10	23	M6	TP**08**	M2.2×5×D3.0	T7
		BE18A	18	14	27	M10	TP**08**	M2.2×5×D3.0	T7
		BE20A	20	14	27	M10	TP**09**	M2.5×6×D3.5	T8
		BE22A	22	14	27	M10	TP**09**	M2.5×6×D3.5	T8
		BE24A	24	14	27	M10	TP**09**	M2.5×6×D3.5	T8
		BE26A	26	14	27	M10	TP**09**	M2.5×6×D3.5	T8
		BE28A	28	14	27	M10	TP**09**	M2.5×6×D3.5	T8
		BE30A	30	14	27	M10	TP**09**	M2.5×6×D3.5	T8



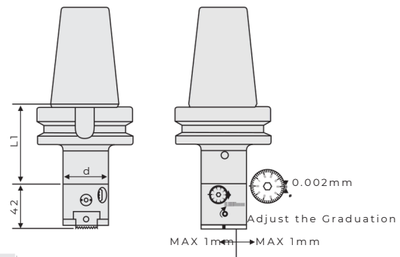
MODULAR BORING CUTTER

CK-HBOR25P

(mm)Size

	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR25P	80	2-7	BT30-CK2-80	0.70
BT40	-HBOR25P	85	2-7	BT40-CK2-85	1.30

Cutting bar	Boring range	DM	weight
CA0602-09	2-3.2	9	0.01
CA0603-16	3-4.2	16	0.01
CA0604-22	4-5.2	22	0.02
CA0605-27	5-6.2	27	0.02
CA0606-32	6-7.2	32	0.02

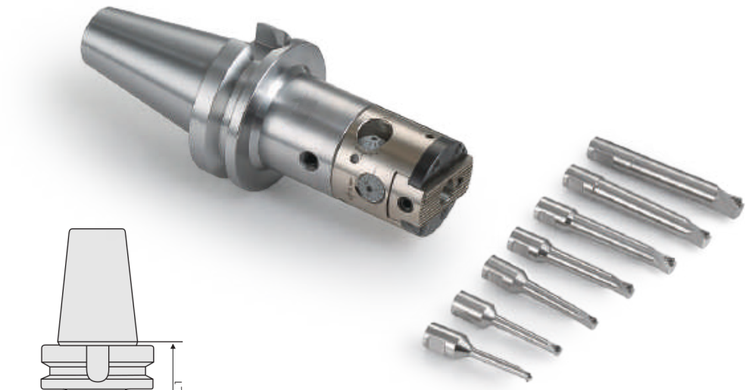


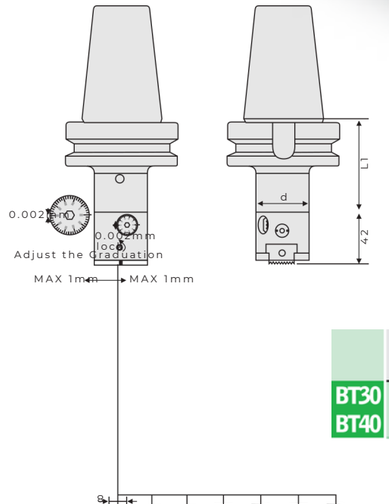
CK-HBOR32P

(mm)Size

	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR32P	80	2-9	BT30-CK3-80	1.02
BT40	-HBOR32P	95	2-9	BT40-CK3-95	1.61

Cutting bar	Boring range	DM	weight
CA0802-9	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-27	5-6.2	27	0.04
CA0806-32	6-7.2	32	0.04
CA0807-37	7-8.2	37	0.04
CA0808-42	8-9.2	42	0.05





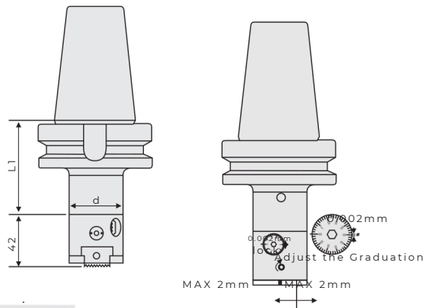
MODULAR BORING CUTTER

CK-HBOR40P

(mm)Size

	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR40P	70	2-9	BT30-CK4-70	1.21
BT40	-HBOR40P	85	2-9	BT40-CK4-85	1.61

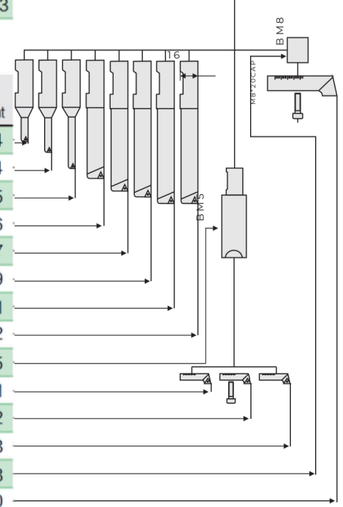
Cutting bar	Boring range	DM	weight
CA0802-09	2-3.2	9	0.03
CA0803-16	3-4.2	16	0.03
CA0804-22	4-5.2	22	0.03
CA0805-27	5-6.2	27	0.04
CA0806-32	6-7.2	32	0.04
CA0807-37	7-8.2	37	0.04
CA0808-42	8-9.2	42	0.05

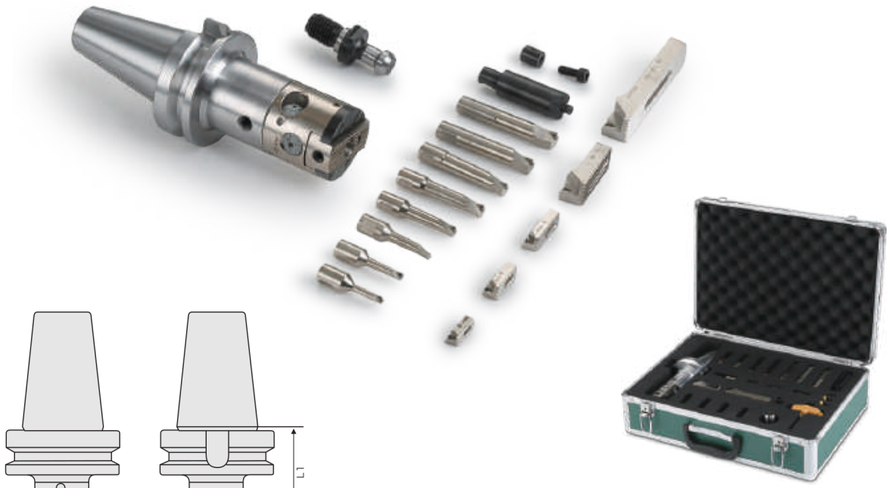


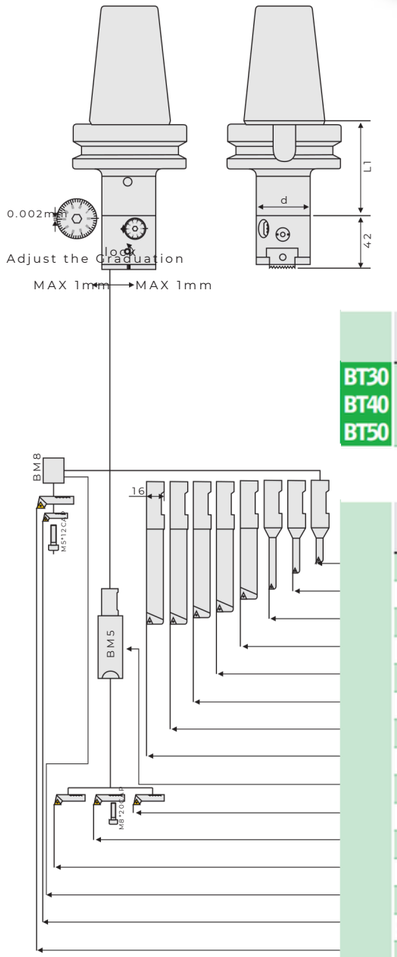
CK-HBOR50P

	(mm)Size				
	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR50P	60	6-90	BT30-CK5-60	8.2
BT40	-HBOR50P	75	6-90	BT40-CK5-75	10.8
BT50	-HBOR50P	105	6-90	BT40-CK5-105	11.3

Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BR1606-21	6-9	21	WBGT0601..L	M2	T6	0.04
BR1608-28	8-11	28	TBGT0601..L	M2	T6	0.04
BR1610-35	10-13	35	TBGT0601..L	M2	T6	0.05
BR1612-42	12-15	42	TPGH0902..L	M2.5	T8	0.06
BR1614-50	14-17	50	TPGH0902..L	M2.5	T8	0.07
BR1616-60	16-20	60	TPGH0902..L	M2.5	T8	0.09
BR1620-65	20-24	65	TPGH1103..L	M3	T8	0.11
BR1624-68	24-28	68	TPGH1103..L	M3	T8	0.12
BM5		60+SRLTP2938 or SRTP3652 or SRTP4468		M5*15	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8		+SRTP5790		M8*20	L6	0.03
SRTP5790	57-90	+20	TPGH1103..L	M3	T8	0.10





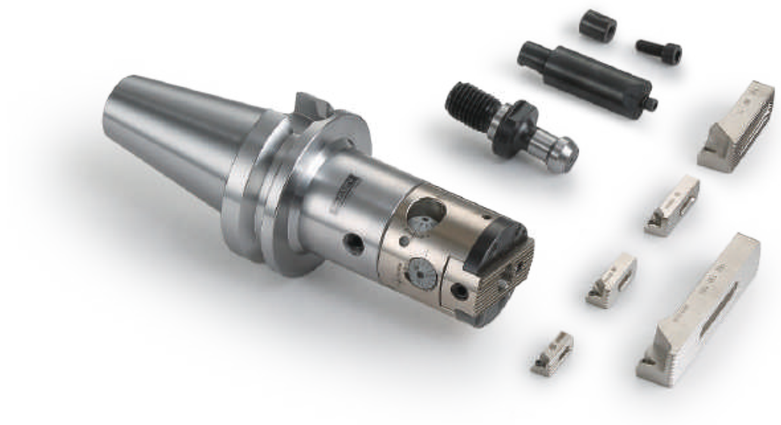


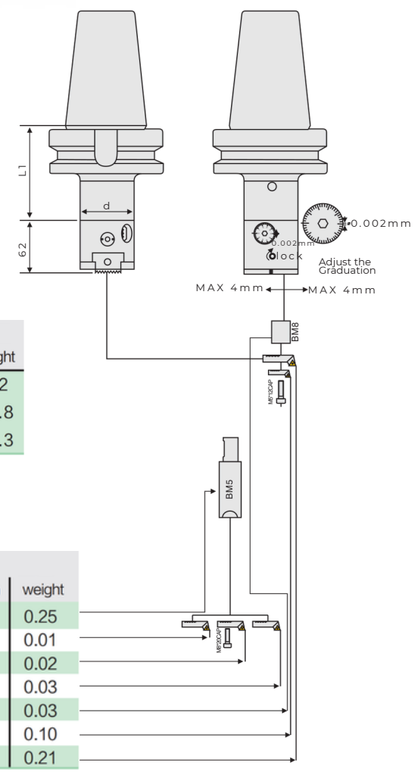
MODULAR BORING CUTTER

CK-HBOR63P

	(mm)Size				
	Specification	L1	Boring range	Modular holder	weight
BT30	-HBOR63P	60	6-150	BT40-CK6-60	8.2
BT40	-HBOR63P	65	6-150	BT50-CK6-65	10.8
BT50	-HBOR63P	95	6-150	BT50-CK6-95	11.3

Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BR1606-21	6-9	21	WBGT0601..L	M2	T6	0.04
BR1608-28	8-11	28	TBGT0601..L	M2	T6	0.04
BR1610-35	10-13	35	TBGT0601..L	M2	T6	0.05
BR1612-42	12-15	42	TPGH0902..L	M2.5	T8	0.06
BR1614-50	14-17	50	TPGH0902..L	M2.5	T8	0.07
BR1616-60	16-20	60	TPGH0902..L	M2.5	T8	0.09
BR1620-65	20-24	65	TPGH1103..L	M3	T8	0.11
BR1624-68	24-28	68	TPGH1103..L	M3	T8	0.12
BM5		60+SRTP2938 or SRTP3652 or SRTP4468		M5*12	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8		+SRTP5790		M8*20	L6	0.03
SRTP70110	70-110	+20	TPGH1103..L	M3	T8	0.10
SRTP110150	110-150	+20	TPGH1103..L	M3	T8	0.21

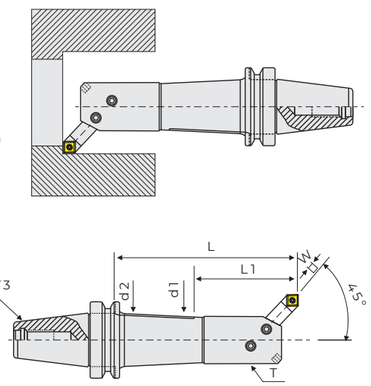




CK-HBOR63P

	Specification	L1	Boring range	Modular holder	weight
		(mm)Size			
BT30	-HBOR63P	60	29-150	BT40-CK6-60	8.2
BT40	-HBOR63P	65	29-150	BT50-CK6-65	10.8
BT50	-HBOR63P	95	29-150	BT50-CK6-95	11.3

Cutting bar	Boring range	L	Insert	Screw	Wrench	weight
BM5		60+SRTP2938 or SRTP3652 or SRTP4468		M5*12	L4	0.25
SRTP2938	29-38	+10	TPGH0902..L	M2.5	T8	0.01
SRTP3652	36-52	+12	TPGH0902..L	M2.5	T8	0.02
SRTP4468	44-68	+12	TPGH0902..L	M2.5	T8	0.03
BM8		+SRTP70110 or SRTP110150		M8*20	L6	0.03
SRTP70110	70-110	+20	TPGH1103..L	M3	T8	0.10
SRTP110150	110-150	+20	TPGH1103..L	M3	T8	0.21

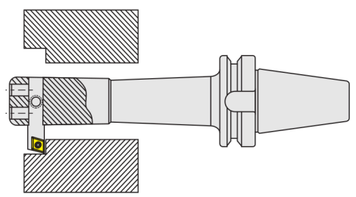


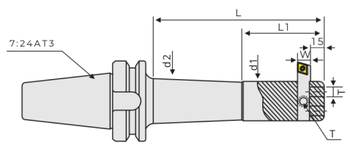
BSA45°ROUGHING BORING BAR

BSA 45

	Specification	d1	d2	L1	L	Boring range	W	Screw	weight
		(mm)Size							
BT40	BSA25-120	20	22	35	90	25-38	8	SM6	1.3
	BSA30-150	24	26	40	120	30-42	8	SM6	1.5
	BSA38-165	30	33	50	135	38-52	10	SM8	1.8
	BSA42-165	34	37	50	135	42-56	10	SM8	2.1
	BSA50-165	40	44	65	135	50-65	13	SM8	2.4
	BSA62-180	50	56	80	150	62-90	16	SM10	2.5
	BSA72-180	60	-	95	150	72-110	19	SM10	4.0
	BSA90-180	75	-	-	150	90-125	19	SM10	5.3
BT50	BSA25-135	20	22	35	92	25-38	8	SM6	4.3
	BSA30-165	24	26	40	122	30-42	8	SM6	4.5
	BSA38-180	30	33	50	137	38-52	10	SM8	4.9
	BSA42-210	34	37	60	167	42-56	10	SM8	5.1
	BSA50-180	40	44	65	137	50-65	13	SM10	5.5
	BSA50-240	40	44	65	197	50-65	13	SM10	5.8
	BSA62-195	50	56	80	152	62-90	16	SM10	6.3
	BSA62-270	50	56	80	227	62-90	16	SM10	7.7
	BSA72-195	60	66	95	152	72-110	19	SM10	7.1
	BSA72-285	60	66	95	242	72-110	19	SM10	9.4
	BSA90-210	75	80	110	267	90-125	19	SM12	9.5
	BSA90-300	75	80	110	257	90-125	19	SM12	12.6
	BSA105-195	90	-	-	152	105-160	25	SM12	11.0
	BSA105-285	90	94	130	242	105-160	25	SM12	15.3

Feature



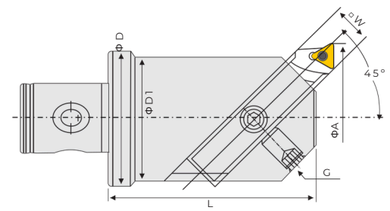


BSB90°ROUGHING BORING BAR

BSB 90

	Specification	d1	d2	L1	L	Boring range	W	Screw	weight
		(mm)Size							
BT40	BSB25-120	20	22	35	90	25-52	8	SM6	1.3
	BSB38-150	30	33	55	120	38-70	10	SM8	1.8
	BSB50-165	40	44	70	135	50-90	13	SM10	2.6
	BSB62-180	50	56	80	150	62-115	16	SM10	3.7
	BSB90-180	75	-	-	150	90-150	19	SM12	6.0
BT50	BSB25-135	20	22	35	92	25-52	8	SM6	4.5
	BSB38-180	30	33	55	137	38-70	10	SM8	5.1
	BSB50-180	40	44	70	137	50-90	13	SM10	5.7
	BSB50-240	40	44	70	197	50-90	13	SM10	6.0
	BSB62-195	50	56	80	152	62-115	16	SM10	6.7
	BSB62-270	50	56	80	227	62-115	16	SM10	8.1
	BSB72-195	60	66	95	152	72-135	19	SM12	7.6
	BSB72-285	60	66	95	242	72-135	19	SM12	9.9
	BSB90-210	75	80	115	167	90-150	19	SM12	10.0
	BSB90-300	75	80	115	257	90-150	19	SM12	13.1
	BSB105-195	90	90	-	152	105-190	25	SM12	11.7
	BSB105-285	90	94	135	242	105-190	25	SM12	16.0

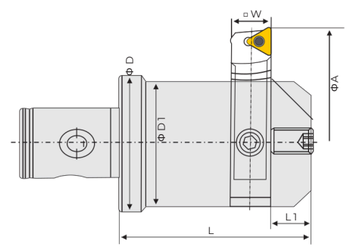
Feature



MODULAR BORING CUTTER

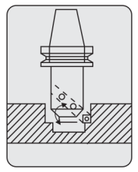
BSA45

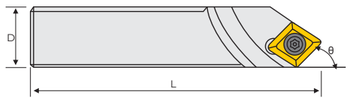
Specification	Boring Range ΦA min	ΦA max	Size ΦD	ΦD1	L	E	□W	G
BSA30-CK2	Φ30	Φ42	24	24	40	1.6	8	M6×1.00P
BSA38-CK3	Φ38	Φ52	31	60	60	2.6	10	M8×1.25P
BSA50-CK4	Φ50	Φ65	42	40	70	3	13	M10×1.50P
BSA62-CK5	Φ62	Φ90	55	50	85	2	16	M12×1.75P
BSA72-CK6	Φ72	Φ110	63	60	98	2.4	19	M12×1.75P



BSB90

Specification	Boring Range ΦA min	ΦA max	Size ΦD	ΦD1	L	L1	□W	G
BSB25-CK2	Φ26	Φ52	24	20	45	10	8	M6×1.00P
BSB38-CK3	Φ38	Φ70	31	30	55	10	10	M8×1.25P
BSB50-CK4	Φ50	Φ90	42	40	60	10	13	M10×1.50P
BSB62-CK5	Φ62	Φ115	55	50	70	1	16	M12×1.75P
BSB72-CK6	Φ72	Φ135	63	60	85	12	19	M12×1.75P

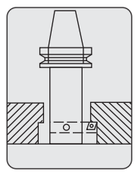


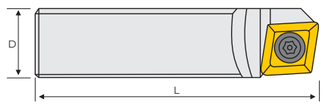


MODULAR BORING CUTTER

CBS

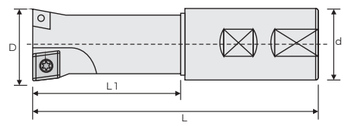
Specification	D	L	Angle	Insert	Clamp Screw	Wrench
CBS-408	8	50	45°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS-410	10	60	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-413	13	70	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-416	16	100	45°	CCMT0602	M4-10-5.7-60	T15
CBS-419	19	150	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-425	25	150	45°	CCMT09T3	M4-10-5.7-60	T15
CBS-908	8	50	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS-910	10	60	90°	CCMT0602	M4-10-5.7-60	T15
CBS-913	13	70	90°	CCMT09T3	M4-10-5.7-60	T15
CBS-916	16	100	90°	CCMT09T3	M4-10-5.7-60	T15
CBS-919	19	150	90°	CCMT0602	M4-10-5.7-60	T15
CBS-925	25	150	90°	CCMT09T3	M4-10-5.7-60	T15





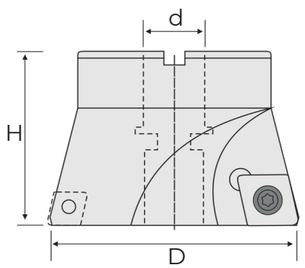
BSB

Specification	D	L	Angle	Insert	Clamp Screw	Wrench
CBS908L	8	50	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS910L	10	60	90°	CCMT0602	M2.5-6.0-3.5-60	T9
CBS913L	13	70	90°	CCMT09T3	M4-10-5.7-60	T15
CBS916L	16	100	90°	CCMT0602	M4-10-5.7-60	T15
CBS919L	19	150	90°	CCMT09T3	M4-10-5.7-60	T15



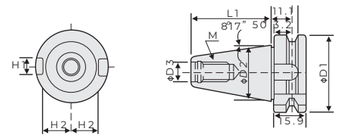
Specification	No.of flutes	Size D	Size d	Size L	Size L1
SB11.7-12-120	1	11.7	16	120	30
SB12.7-13-120	1	12.7	16	120	30
SB13.7-14-120	1	13.7	16	120	30
SB14.7-15-120	1	14.7	16	130	30
SB15.7-16-135	2	15.7	16	135	70
SB16.7-17-135	2	16.7	16	135	70
SB17.7-18-135	2	17.7	16	135	70
SB18.7-19-160	2	18.7	16	160	90
SB19.7-20-160	2	19.7	20	160	90
SB21.7-22-160	2	20.7	20	160	90
SB23.7-24-180	2	23.7	20	180	100
SB24.7-25-190	2	24.7	25	190	110
SB25.7-26-200	2	25.7	25	200	120
SB26.7-27-200	2	26.7	25	200	120
SB27.7-28-200	2	27.7	25	200	120
SB29.7-30-210	2	29.7	25	210	130
SB31.7-32-210	2	31.7	25	210	130
SB34.7-35-250	2	34.7	32	250	150
SB36.7-37-250	2	36.7	32	250	150
SB39.7-40-270	2	39.7	32	270	170
SB41.7-42-250	2	41.7	32	250	150
SB44.7-45-310	2	44.7	32	310	210
SB46.7-47-260	2	46.7	32	260	160
SB49.7-50-260	2	49.7	42	260	160
SB49.7-50-310	2	49.7	42	310	210
SB51.7-52-260	2	51.7	42	260	160
SB54.7-55-330	2	54.7	42	330	230
SB59.7-60-260	2	59.7	42	260	160
SB59.7-60-350	2	59.7	42	350	250

Specification	Insert	Clamp screw	wrench
SB12-SB20	CCMT060204	M2.5×6	T8
SB22-SB60	CCMT09T308	M4×10	T15



Specification	No.of flutes	D	Size d	L1
GC44.7-45-22	2	44.7	22	50
GC49.7-50.22	2	49.7	22	50
GC54.7-55-22	2	54.7	22	50
GC59.7-60-22	2	59.7	22	50
GC61.7-62-22	2	61.7	22	50
GC61.7-62-25.4	2	61.7	25.4	50
GC64.7-65-25.4	2	64.7	25.4	50
GC69.7-70-25.4	2	69.7	25.4	50
GC71.7-72-25.4	2	71.7	25.4	50
GC74.7-75-25.4	2	74.7	25.4	50
GC79.7-80-25.4	2	79.7	25.4	50
GC84.7-85-25.4	2	84.7	25.4	50
GC89.7-90-31.75	2	89.7	31.75	50
GC94.7-95-31.75	2	94.7	31.75	50
GC99.7-100-31.75	2	99.7	31.75	50

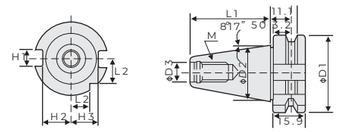
Specification	Insert	Clamp screw	wrench
GC45~100	CCMT09T308	M4×10	T15



SPECIFICATIONS

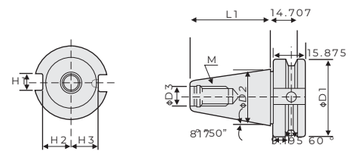
BT

BT.NO	ΦD1	ΦD2	ΦD3	L1	L2	L3	L4	L5	H1	H2	M
BT30	46	31.75	12.5	48.4	20	2	13.6	8	16.1	16.3	M12
BT40	63	44.45	17	65.4	25	2	16.6	10	16.1	22.6	M16
BT50	100	69.85	25	101.8	35	3	23.2	15	25.7	35.4	M24



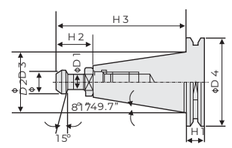
SK

SK.NO	ΦD1	ΦD2	ΦD3	L1	L2	H1	H2	H3	M
SK40	63.55	44.45	17	68.4	18.5	16.1	22.8	25	M16
SK50	97.5	69.85	25	101.75	30	25.7	35.5	37.7	M24



CAT

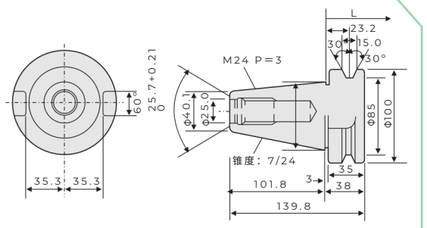
CAT.NO	ΦD1	ΦD2	ΦD3	L1	H1	H2	H3	M
CAT40	63.5	44.45	16.28	68.25	16.28	22.6	25.02	5/8"-11UNC
CAT50	98.43	69.85	26.38	101.6	305.31	35.31	37.72	1"-8UNC



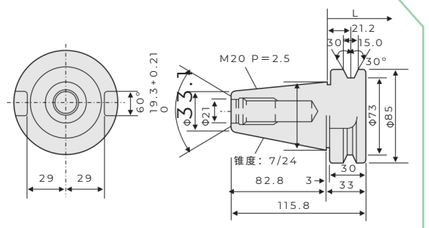
ISO

ISO.NO	D1	D2	D3	D4	H1	H2	H3
ISO20	6	9	22.225	33	8	12	45.3
ISO25	7	10	25.4	37	8	16	55.7
ISO30	9	13	31.75	50	15.9	24	71.8

Bt50



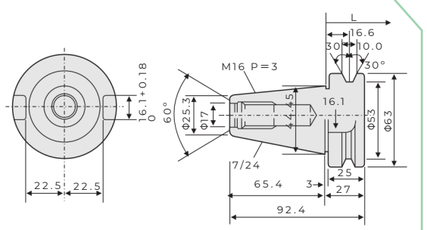
BT45



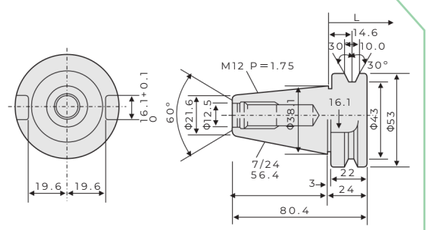
SPECIFICATIONS

NC

Bt40



MAS BT



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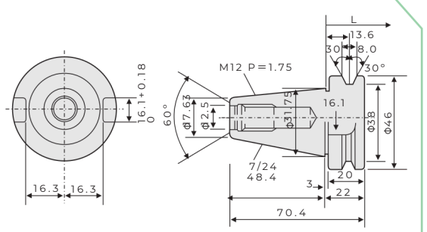

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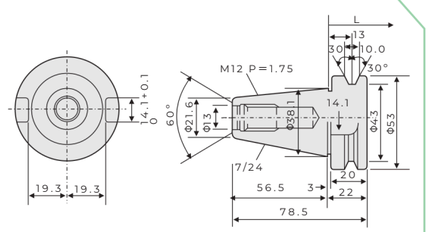
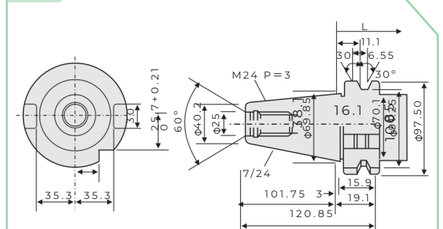


Sk50



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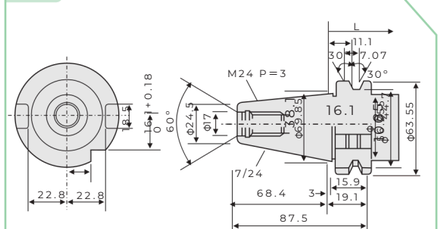
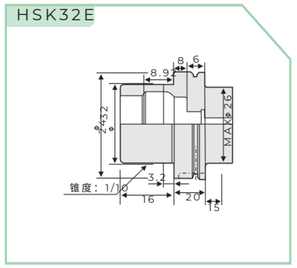


HSK32E



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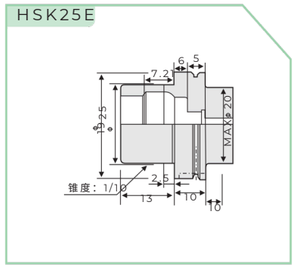
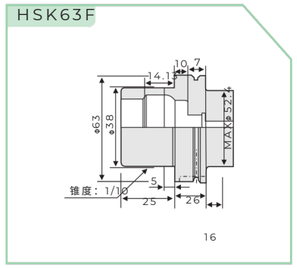


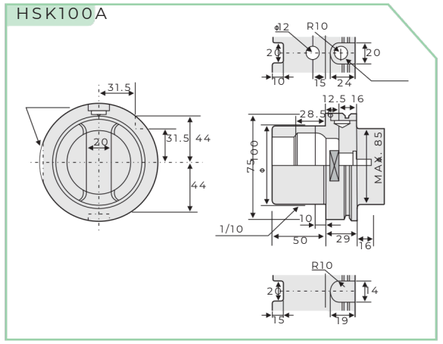
HSK63F



SPECIFICATIONS

HSK

HSK100A



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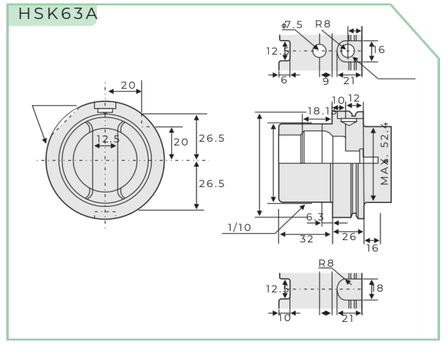
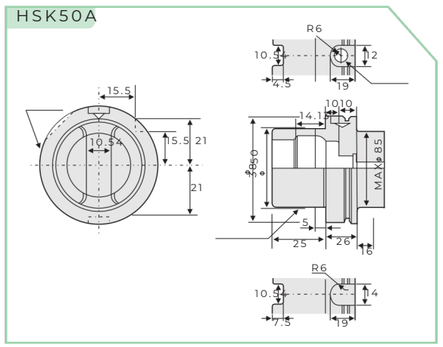
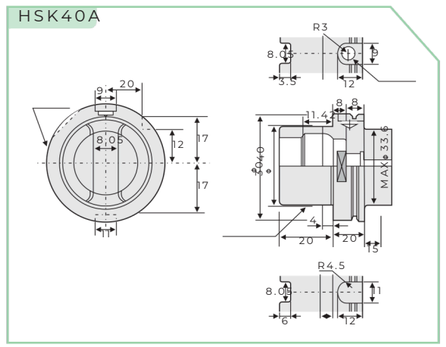


HSK50A



HSK40A



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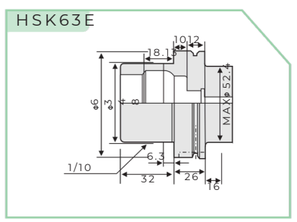

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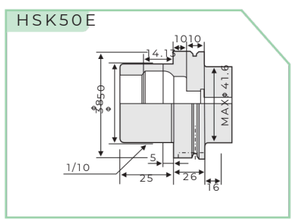

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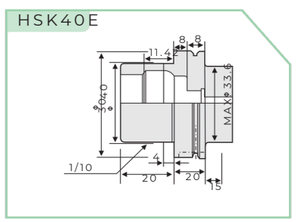


THE WORLD`S SMALLEST

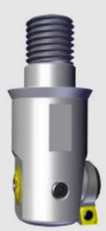
digital fine boring head from Ø 0.3 mm

WELTNEUHEIT

kleinster digitaler Feinbohrkopf ab Ø 0.3 mm

SWISS DAMPING TECHNOLOGY

schwingungsgedämpfte Lösungen
damped boring solutions



DIGITAL BORING HEAD I

PSC DIGITALE FEINBOHRWERKZEUGE DIGITAL FINE BORING HEADS

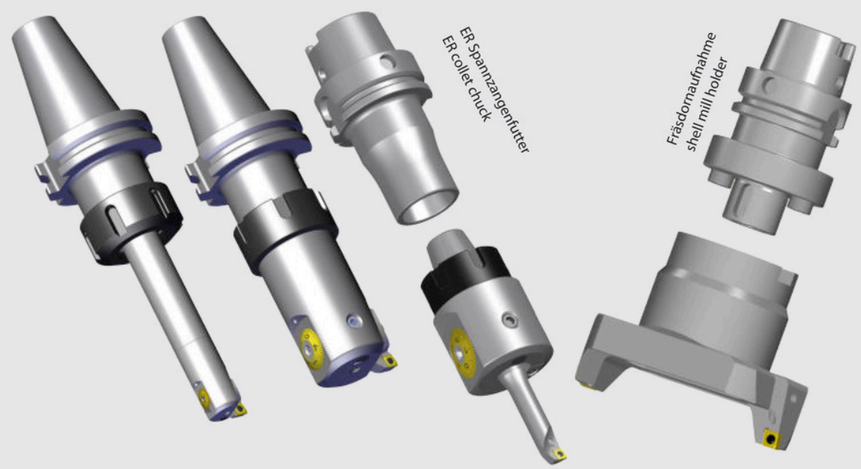
- ein Display für alle Feinbohrköpfe Ø 0.3 mm - 2205.0 mm
- Anzeige umkehrbar (Links-/ Rechtshänder)
- mm/inch umschaltbar
- Standard AAA Batterie zur Stromversorgung
- Display wird über Magnetkraft am Werkzeug gehalten
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar

- one display for all fine boring heads diameter 0.3 mm – 2205 mm
- display reversible (LH/RH)
- mm/inch switchable
- standard AAA battery required
- display unit will docked with magnetic forces at the tool
- 0.001 accuracy in diameter
- direct measurement system (no backlash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use

PSC
ISO 26623-1

ECO LINE

MODULAR BORING SYSTEM Ø 9.75 - 650.1 mm
don't think about the interface you already have it



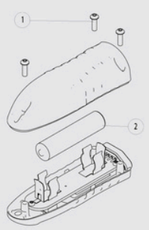
266 DIGITALE Anzeigeeinheit / DIGITAL display unit

NEW

- ein Display für alle Feinbohrköpfe Ø 0.3 mm - 2205.0 mm
- Anzeige umkehrbar (Links-/ Rechtshänder)
- mm/inch umschaltbar
- Standard AAA Batterie zur Stromversorgung
- Display wird über Magnetkraft am Werkzeug gehalten
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar

- one display for all fine boring heads diameter 0.3 mm – 2205 mm
- display reversible (LH/RH)
- mm/inch switchable
- standard AAA battery required
- display unit will docked with magnetic forces at the tool
- 0.001 accuracy in diameter
- direct measurement system (no backlash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use

Bestell-Nr. / Order number	Anzeigeeinheit/ display unit
266.028.077	



Ersatzteile / Zubehör — Spare parts / Accessories 266

Für Anzeigeeinheit For display unit	Bestell-Nr. / Order number Torx-Schraube / Torx screw (1)	Bestell-Nr. / Order number Batterie / Battery (2)	Bestell-Nr. / Order number Torx-Schlüssel / Torx driver
266.028.077	879.028.077	879.011.045	842.005.000

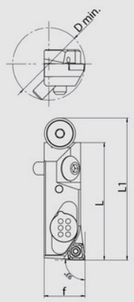
Ø 150.0 mm - 2205.0 mm

Ø 3.0 mm - 88.1 mm

Ø 23.9 mm - 203.1 mm

DIGITAL BORING HEAD I

Digital einstellbarer Feinbohr-Kurzklemmhalter / Digital adjustable fine boring module KKH



- Einfaches Handling
- Präzise Masskorrektur
- Direktes Weg-Messsystem
- Wartungsfrei

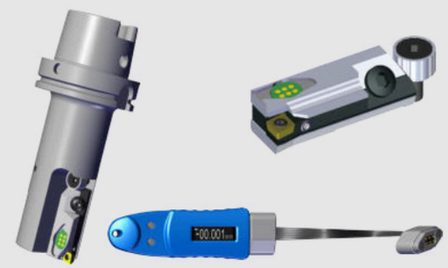
- Easy handling
- Precise adjustment
- No backlash
- Maintenance-free

Bestell-Nr. / Order number	f	Ø D min.	L	L	Wendeplatte / Insert
KKH.WCA.016.045	16	25	45	55	CC.. 06 02 ..

NEW

- Feinverstellung digitale Anzeige 0.001mm
- Radialer Verstellweg: min. 0,4 mm
- Axiale Längenverstellung: 1.5 mm über Keilelement
- Drehzahl: max.10.000 U/min
- Innenkühlung direkt auf die Werkzeugschneide

- Fine adjustment digital display 0.001mm
- Radial adjustment: min. 0.4 mm
- Axial length adjustment: 1.5 mm
- Speed: max.10.000 rpm
- Internal cooling directly on the tool cutting edge



Anzeigeeinheit für Feinbohr-Kurzklemmhalter / Display unit for fine boring module GH1

Bestell-Nr. / Order number	Anzeigeeinheit/ display unit
GH1.DA2.BGK.077	

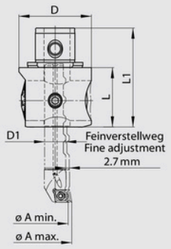
- Anzeige umkehrbar (Links-/ Rechtshänder)
- mm/inch umschaltbar
- Standard AAA Batterie zur Stromversorgung
- Display wird über Magnetkraft am Werkzeug gehalten
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar

- display reversible (LH/RH)
- mm/inch switchable
- standard AAA battery required
- display unit will docked with magnetic forces at the tool
- 0.001 accuracy in diameter
- direct measurement system (no backlash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use

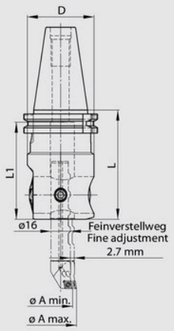
528 Ausdrehset ø9.75-30.1 / Fine boring set ø9.75-30.1

- erweiterbar von ø3 bis ø88.1
- can be upgraded from ø3 up to ø88.1

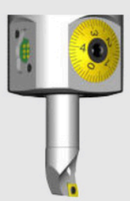
Bestell-Nr. / Order number	D	ø A min.	ø A max.	L	L1	Ausdrehkopf / Fine boring head
MBM 55 modular						
528.000.030	55	9.75	30.1	45	75	262.550.045
DIN 69893 HSK 63 A						
528.063.030	55	9.75	30.1	95	70	269.063.095
DIN 69871 AD 40						
528.415.030	55	9.75	30.1	90	80	269.415.090
MAS BT 40						
528.412.030	55	9.75	30.1	90	80	269.412.090



Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	



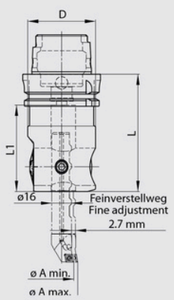
521 Ausdrehset ø9.75-30.1 DIGITAL / Fine boring set ø9.75-30.1 DIGITAL



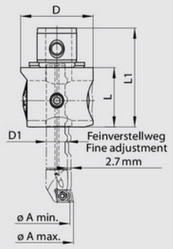
- erweiterbar von ø3 bis ø88.1
- can be upgraded from ø3 up to ø88.1

Bestell-Nr. / Order number	D	ø A min.	ø A max.	L	L1	Ausdrehkopf / Fine boring head
MBM 55 modular						
521.000.030	55	9.75	30.1	45	75	266.550.045
DIN 69893 HSK 63 A						
521.063.030	55	9.75	30.1	95	70	266.063.095
DIN 69871 AD 40						
521.415.030	55	9.75	30.1	90	80	266.415.090
MAS BT 40						
521.412.030	55	9.75	30.1	90	80	266.412.090

Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	
1 Digitale Anzeigeeinheit / dig. display		266.028.077



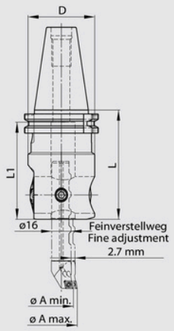
Ausdrehset ø9.75-88.1 / Fine boring set ø9.75-88.1 527



- erweiterbar von ø3 bis ø88.1
- can be upgraded from ø3 up to ø88.1

Bestell-Nr. / Order number	D	ø A min.	ø A max.	L	L1	Ausdrehkopf / Fine boring head
MBM 55 modular						
527.000.088	55	9.75	88.1	45	75	262.550.045
DIN 69893 HSK 63 A						
527.063.088	55	9.75	88.1	95	70	269.063.095
DIN 69871 AD 40						
527.415.088	55	9.75	88.1	90	80	269.415.090
MAS BT 40						
527.412.088	55	9.75	88.1	90	80	269.412.090

Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Schaft / shank	ø29.75-48.1	271.030.048
1 Schaft / shank	ø47.75-88.1	271.048.088
1 Wendeplattenhalter / Insert holder	ø29.75-48.1	253.030.006
1 Wendeplattenhalter / Insert holder	ø47.75-88.1	253.048.006
1 Inbusschlüssel / Allen wrench	SW4	
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	

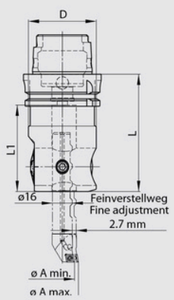


Ausdrehset ø9.75-88.1 DIGITAL / Fine boring set ø9.75-88.1 DIGITAL 521

- erweiterbar von ø3 bis ø88.1
- can be upgraded from ø3 up to ø88.1

Bestell-Nr. / Order number	D	ø A min.	ø A max.	L	L1	Ausdrehkopf / Fine boring head
MBM 55 modular						
521.000.088	55	9.75	88.1	45	75	266.550.045
DIN 69893 HSK 63 A						
521.063.088	55	9.75	88.1	95	70	266.063.095
DIN 69871 AD 40						
521.415.088	55	9.75	88.1	90	80	266.415.090
MAS BT 40						
521.412.088	55	9.75	88.1	90	80	266.412.090

Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Schaft / shank	ø29.75-48.1	271.030.048
1 Schaft / shank	ø47.75-88.1	271.048.088
1 Wendeplattenhalter / Insert holder	ø29.75-48.1	253.030.006
1 Wendeplattenhalter / Insert holder	ø47.75-88.1	253.048.006
1 Inbusschlüssel / Allen wrench	SW4	
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	
1 Digitale Anzeigeeinheit / dig. display		266.028.077

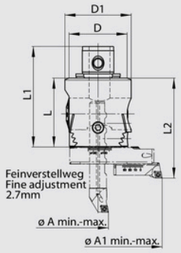


MULTI-HEAD

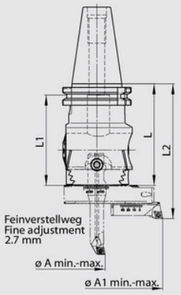
530 Ausdrehset ø9.75-164 / Fine boring set ø9.75-164

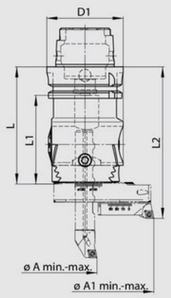
- erweiterbar von ø3 bis ø320
- can be upgraded from ø3 up to ø320

Bestell-Nr. / Order number	D1	ø A / ø A1 min.-max.	L	L1	L2	Ausdrehkopf / Fine boring head
MBM 55 modular						
530.000.164	63	9.75-164	66	96	95	261.550.065
DIN 69893 HSK 63 A						
530.063.164	63	9.75-164	96	72.5	125	261.063.095
DIN 69871 AD 40						
530.415.164	63	9.75-164	91	81	120	261.415.090
MAS BT 40						
530.412.164	63	9.75-164	91	81	120	261.412.090



Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Schaft / shank	ø29.75-48.1	271.030.048
1 Schaft / shank	ø47.75-88.1	271.048.088
1 Brücke / Bridge	ø80	886.086.164
1 Wendeplattenhalter / Insert holder	ø29.75-48.1	253.030.006
1 Wendeplattenhalter / Insert holder	ø47.75-88.1	253.048.006
1 Inbusschlüssel / Allen wrench	SW4	
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	



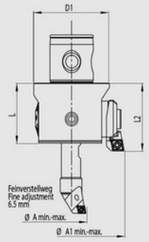


VARIO-HEAD

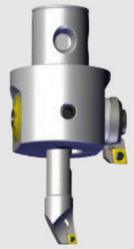
525 Ausdrehset ø9.75-101.1 / Fine boring set Ø9.75-101.1

- Zustellgenauigkeit 0.01mm resp. über Nonius 0.002mm im Durchmesser
- erweiterbar von ø3 bis ø152.1

- 0.01mm diametrical adjustment resp. 0.002mm by nonius
- can be upgraded from ø3 up to ø152.1



Bestell-Nr. / Order number	D1	L	L2	ø A min.	ø A max.	Ausdrehkopf / Fine boring head
525.550.101	63	50.5	57	9.75	101.1	267.550.152

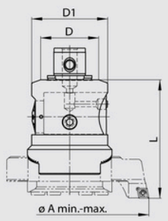


Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head	MBM 55	267.550.152
1 Ausdrehstahl / Boring Bar	ø 9.75 - 20.1	272.010.006
1 Ausdrehstahl / Boring Bar	ø 19.75 - 30.1	272.020.006
1 Schaft / Shank	ø 29.75 - 48.1	271.030.048
1 Schaft / Shank	ø 47.75 - 88.1	271.048.088
1 Wendeplattenhalter / Insert holder	ø 29.75 - 48.1	253.030.006
1 Wendeplattenhalter / Insert holder	ø 47.75 - 88.1	253.048.006
1 Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 87.75 - 101.1 (Ø114.1)	254.261.009
1 Kühlmitteleinsatz / Coolant plug		918.000.032
2 Torx-Schlüssel / Torx driver	T7 / T15	842.006.000 842.009.000
4 Inbusschlüsselset / Allen wrench set	SW 2.5/4/5/8	

Zubehör	Accesories	
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 105.75 - 119.0 (ø 132.0)	254.262.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 125.75 - 139.0 (ø 152.0)	254.263.009
Distanzstück / Adapter F = 6.5 mm	ø 114.0 / ø 132.0 / ø 152.0	889.000.006

551 Ausdrehset ø86-302 / Fine boring set ø86-302

- erweiterbar bis ø402
- can be upgraded up to ø402



Bestell-Nr. / Order number	D	D1	ø A min.	ø A max.	L	Feinbohrkopf / Fine boring head
MBM 55 modular						
551.000.302	55	72	86	302	112	256.550.000

Inhalt	Content	
1 Koffer / Case		
1 Feinbohrkopf / Fine boring head		256.550.000
1 Wendeplattenhalter / Insert holder	ø86-138	190.550.109
1 Wendeplattenhalter / Insert holder	ø136-220	190.550.209
1 Wendeplattenhalter / Insert holder	ø188-302	190.550.309
1 Abstützung / Support block		885.190.109
1 Abstützung / Support block		885.190.209
1 Druckplatte / Clamp plate		884.190.109
1 Druckplatte / Clamp plate		884.190.209
10 Wendeplatten / Inserts	CC . . 09 T3 . .	600.200.094
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T15	

DIGITAL BORING HEAD I
ANMI SYNCHRONOUS SOLUTION

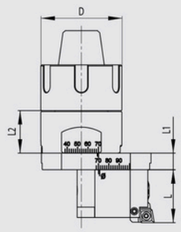
ECO-HEAD

526 Ausdrehkopf ø39.9-70.1 / Fine boring head ø39.9-70.1

- Schnittstelle ER25 DIN6499
- Zustellgenauigkeit 0.01mm im Durchmesser
- für Wendeplatten CC . . 06 02 . .
- erweiterbar bis ø100.1

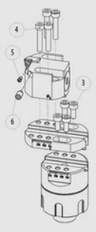
- connection ER25 DIN 6499
- 0.01mm diametrical adjustment
- for inserts CC . . 06 02 . .
- can be upgraded to ø100.1

Bestell-Nr. / Order number	D	L	L1	L2	ø A min.	ø A max.	Ausdrehkopf / Fine boring head
526.001.070	39	25.5	8	20.5	39.9	70.1	267.040.070



Inhalt	Content	
1 Grundkörper / Base unit	ER25	216.025.000
1 Feinbohrkopf / Fine boring head	ø 39.9 - 70.1	267.040.070
4 Schraube / Screw	M4 x 25	858.216.025
1 Torxschlüssel / Torx wrench	T7	842.006.000
2 Inbusschlüsselset / Allen key set	SW 2.5 / 3	

Zubehör	Accesories	
Erweiterung / Extension	ø 69.9 - 100.1	889.070.100



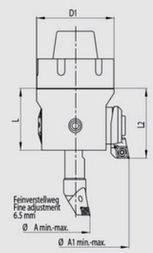
Für Feinbohrkopf / For fine boring head	Bestell-Nr. / Order number Schraube / Screw (3)	Bestell-Nr. / Order number Schraube / Screw (4)	Bestell-Nr. / Order number Torx-Schraube / Torx-Screw (5)	Bestell-Nr. / Order number Klemmschraube / Clamping screw (6)
267.040.070	858.216.010	858.216.025	843.006.000	881.216.008

VARIO-HEAD

Ausdrehset ø9.75-101.1 / Fine boring set Ø9.75-101.1 525

- Schnittstelle ER40 DIN6499
- Zustellgenauigkeit 0.01mm resp. über Nonius 0.002mm im Durchmesser
- erweiterbar von ø3 bis ø152.1

- connection ER40 DIN 6499
- 0.01mm diametrical adjustment resp. 0.002mm by nonius
- can be upgraded from ø3 up to ø152.1



Bestell-Nr. / Order number	D1	L	L2	ø A min.	ø A max.	Ausdrehkopf / Fine boring head
525.001.101	63	50.5	57	9.75	101.1	267.003.152

ECO LINE

Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head	ER40	267.003.152
1 Ausdrehstahl / Boring Bar	ø 9.75 - 20.1	272.010.006
1 Ausdrehstahl / Boring Bar	ø 19.75 - 30.1	272.020.006
1 Schaft / Shank	ø 29.75 - 48.1	271.030.048
1 Schaft / Shank	ø 47.75 - 88.1	271.048.088
1 Wendeplattenhalter / Insert holder	ø 29.75 - 48.1	253.030.006
1 Wendeplattenhalter / Insert holder	ø 47.75 - 88.1	253.048.006
1 Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 87.75 - 101.1 (Ø114.1)	254.261.009
1 Kühlmitteleinsatz / Coolant plug		918.000.032
2 Torx-Schlüssel / Torx driver	T7 / T15	842.006.000 842.009.000
4 Inbusschlüsselset / Allen wrench set	SW 2.5/4/5/8	

Zubehör	Accesories	
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 105.75 - 119.0 (ø 132.0)	254.262.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 125.75 - 139.0 (ø 152.0)	254.263.009
Distanzstück / Adapter F = 6.5 mm	ø 114.0 / ø 132.0 / ø 152.0	889.000.006

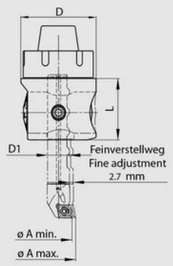
SMART-HEAD

Ausdrehset ø9.75-30.1 / Fine boring set ø9.75-30.1 528

- erweiterbar von ø3 bis ø88.1
- Schnittstelle ER32 DIN6499

- can be upgraded from ø3 up to ø88.1
- connection ER32 DIN 6499

Bestell-Nr./ Order number	D	ø A min.	ø A max.	L	Ausdrehkopf / Fine boring head
SMART ER32					
528.032.030	55	9.75	30.1	60	262.032.060



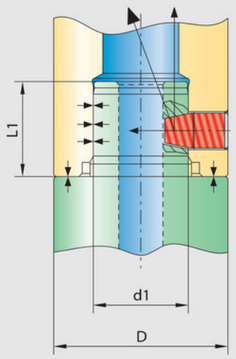
ECO LINE

Inhalt	Content	
1 Koffer / Case		
1 Ausdrehkopf / Fine boring head		262.032.060
1 Ausdrehstahl / Boring bar	ø9.75-15.1	272.010.006
1 Ausdrehstahl / Boring bar	ø14.75-20.1	272.015.006
1 Ausdrehstahl / Boring bar	ø19.75-25.1	272.020.006
1 Ausdrehstahl / Boring bar	ø24.75-30.1	272.025.006
1 Inbusschlüssel / Allen wrench	SW5	
1 Torx-Schlüssel / Torx driver	T7	

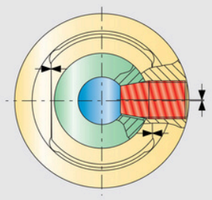
MBM-Spannsystem

MBM quick-change coupling system

Grosse Steifigkeit dank hoher Vorspannkräfte und grosser Auflageflächen. Höchste Drehmomentübertragung ohne Beeinträchtigung der Austauschbarkeit. Bohrung für Kühlmitteldurchgang.



Maximum rigidity due to high preloading forces and large bearing surfaces. Maximum torque transmission without loss of interchangeability or ease of maintenance. Bored for spindle coolant supply.

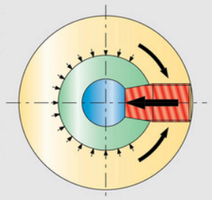


Symmetrisch angeordnete Mitnahmeflächen gewährleisten die konzentrische Übertragung von hohen Drehmomenten.

Symmetrical distribution of the torque forces through uniformly arranged driving surfaces.

Vibrationsarm, da das ohnehin kleine Passungsspiel mit dem Spannen der Verbindung aufgehoben wird.

Minimal operating vibrations since the small fitting play is-eliminated through the locking forces.

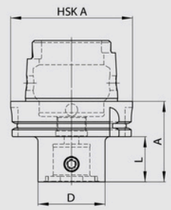


Dimensionen / Dimensions

System ø D	d1	L	M	SW / AF	Anzugsdrehmoment / Torque
20	11	11	M5x0.5	2.5	2.5Nm
25	14	14	M6x0.75	3	4.5Nm
32	18	18	M8x1	4	10Nm
42	24	24	M12x1	6	25Nm
55	30	30	M12x1	6	30Nm
72	40	40	M16x1.5	8	40Nm
94	50	50	M20x1.5	10	60Nm

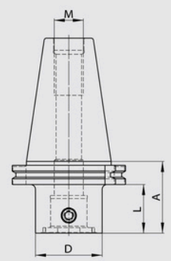
DIGITAL BORING HEAD I

Aufnahmen DIN 69893 — Master shanks to DIN 69893 — 102



Bestell-Nr./ Order number	HSK A	System ø D	L	A
102.032.251	32	25	15	35
102.032.321	32	32	30	50
102.040.421	40	42	35	55
102.050.551	50	55	40	66
102.063.201	63	20	24	50
102.063.251	63	25	24	50
102.063.321	63	32	24	50
102.063.421	63	42	24	50
102.063.551	63	55	40	66
102.063.552	63	55	74	100
102.063.721	63	72	50	76
102.063.941	63	94	79	105
102.080.321	80	32	25	51
102.080.421	80	42	30	56
102.080.551	80	55	40	66
102.080.721	80	72	50	76
102.080.941	80	94	56	82
102.100.321	100	32	22	51
102.100.421	100	42	27	56
102.100.551	100	55	37	66
102.100.721	100	72	47	76
102.100.941	100	94	57	86

Aufnahmen DIN 69871 A/D — Master shanks to DIN 69871 A/D — 102



Bestell-Nr./ Order number	ISO	System ø D	L	A	M
102.315.201	30	20	20	39.1	M12
102.315.251	30	25	20	39.1	M12
102.315.321	30	32	20	39.1	M12
102.315.421	30	42	20	39.1	M12
102.315.551	30	55	20	39.1*	M12
102.415.201	40	20	15	34.1	M16
102.415.202	40	20	40	59.1	M16
102.415.251	40	25	25	44.1	M16
102.415.252	40	25	55	74.1	M16
102.415.321	40	32	25	44.1	M16
102.415.322	40	32	65	84.1	M16
102.415.421	40	42	30	49.1	M16
102.415.422	40	42	80	99.1	M16
102.415.551	40	55	40	59.1	M16
102.415.552	40	55	100	119.1	M16
102.415.721	40	72	60	79.1	M16
102.415.941	40	94	60	79.1*	M16
102.515.201	50	20	15	34.1	M24
102.515.202	50	20	40	59.1	M24
102.515.251	50	25	25	44.1	M24
102.515.252	50	25	55	74.1	M24
102.515.321	50	32	25	44.1	M24
102.515.322	50	32	65	84.1	M24
102.515.421	50	42	30	49.1	M24
102.515.422	50	42	80	99.1	M24
102.515.551	50	55	40	59.1	M24
102.515.552	50	55	100	119.1	M24
102.515.721	50	72	60	79.1	M24
102.515.722	50	72	120	139.1	M24
102.515.941	50	94	60	79.1	M24
102.515.942	50	94	150	169.1	M24

* Entspricht nicht DIN 69871, keine Freistellung nach dem Bund

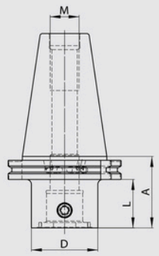
* Not according to DIN 69871, without groove

DIGITAL BORING HEAD I

102 Aufnahmen DIN 69871 B — Master shanks to DIN 69871 B

- Kühlmittelzufuhr über den Bund
- coolant supply through the tool flange

Bestell-Nr. / Order number	ISO	System ø D	L	A	M
102.325.201	30	20	20	39.1	M12
102.325.251	30	25	20	39.1	M12
102.325.321	30	32	20	39.1	M12
102.325.421	30	42	20	39.1	M12
102.325.551	30	55	20	39.1*	M12
102.425.201	40	20	15	34.1	M16
102.425.202	40	20	40	59.1	M16
102.425.251	40	25	25	44.1	M16
102.425.252	40	25	55	74.1	M16
102.425.321	40	32	25	44.1	M16
102.425.322	40	32	65	84.1	M16
102.425.421	40	42	30	49.1	M16
102.425.422	40	42	80	99.1	M16
102.425.551	40	55	40	59.1	M16
102.425.552	40	55	100	119.1	M16
102.425.721	40	72	60	79.1	M16
102.425.941	40	94	60	79.1*	M16
102.525.201	50	20	15	34.1	M24
102.525.202	50	20	40	59.1	M24
102.525.251	50	25	25	44.1	M24
102.525.252	50	25	55	74.1	M24
102.525.321	50	32	25	44.1	M24
102.525.322	50	32	65	84.1	M24
102.525.421	50	42	30	49.1	M24
102.525.422	50	42	80	99.1	M24
102.525.551	50	55	40	59.1	M24
102.525.552	50	55	100	119.1	M24
102.525.721	50	72	60	79.1	M24
102.525.722	50	72	120	139.1	M24
102.525.941	50	94	60	79.1	M24
102.525.942	50	94	150	169.1	M24

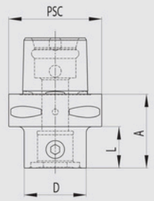


* Entspricht nicht DIN 69871, keine Freistellung nach dem Bund

* Not according to DIN 69871, without groove

102 Aufnahmen ISO 26623-1 — Master shanks to ISO 26623-1

Bestell-Nr. / Order number	PSC	System ø D	L	A
102.163.201	63	20	28	50
102.163.251	63	25	28	50
102.163.321	63	32	28	50
102.163.421	63	42	28	50
102.163.551	63	55	38	60
102.163.721	63	72	36	60
102.163.941	63	94	66	90



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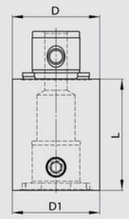
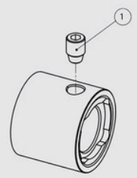
Verlängerungen — Extensions 132



Bestell-Nr. / Order number	System ø D / D1	L
132.200.001	20	25
132.200.002	20	35
132.250.001	25	30
132.250.002	25	45
132.320.001	32	40
132.320.002	32	60
132.420.001	42	50
132.420.002	42	80
132.550.001	55	70
132.550.002	55	105
132.720.001	72	75
132.720.002	72	135
132.940.001	94	100
132.940.002	94	180

Ersatzteile / Zubehör — Spare parts / Accessories 102/122/124/132



Für System ø D1 / For system ø D1	Bestell-Nr. / Order number		
	Klemmschraube / Clamping screw ①	Gewinde / Thread	SW / AF
20	800.000.200	M5x0.5	2.5
25	800.000.250	M6x0.75	3
32	800.000.320	M8x1	4
42	800.000.420	M12x1	6
55	800.000.550	M12x1	6
72	800.000.720	M16x1.5	8
94	800.000.940	M20x1.5	10

PAGE 107

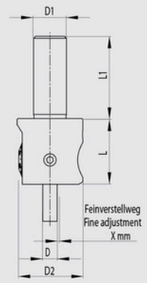
262 Micro Ausdrehköpfe ø 0.3-19.1 / Micro fine boring heads ø 0.3-19.1

- Durchmessereinstellung mit geringstem Umkehrspiel
- Zustellgenauigkeit von 0.002mm über Nonius im Durchmesser
- mit Innenkühlung

- diametrical adjustment with maximal reduced reversal backlash
- 0.002mm diametrical adjustment by nonius
- with inner coolant supply

Bestell-Nr. / Order number	D	D1	D2	X	L	L1
ANALOG						
262.025.025	4	10	25	1.5	25	25
262.032.032	7	16	32	2.5	32	40

- Schneideinsätze müssen separat bestellt werden.
- Boring bars must be ordered separately



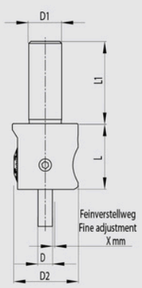
263 Micro Ausdrehköpfe ø 0.3-19.1 DIGITAL / Micro fine boring heads ø 0.3-19.1 DIGITAL

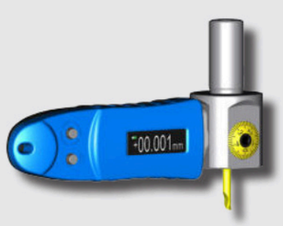
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar

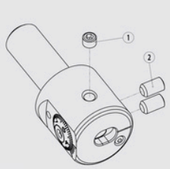
- 0.001 accuracy in diameter
- direct measurement system (no backlash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use

Bestell-Nr. / Order number	D	D1	D2	X	L	L1
DIGITAL						
263.025.025	4	10	25	1.5	25	25
263.032.032	7	16	32	2.5	32	40

- Anzeigeeinheit muss separat bestellt werden siehe Seite 6 (266.028.077).
- Display unit must be ordered separately see page 6 (266.028.077).





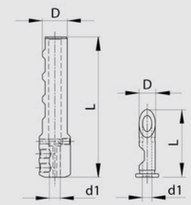


Ersatzteile / Zubehör — Spare parts / Accessories

Für Ausdrehkopf / For boring head	Bestell-Nr. / Order number	Bestell-Nr. / Order number
	Klemmschraube/ Clamping screw (1)	Befestigungsschraube / Fastening screw (2)
262/263.025.025	881.262.250	882.262.250
262/263.032.032	881.262.320	882.262.320

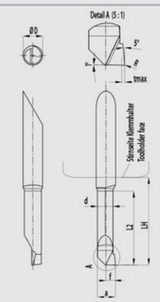
DIGITAL BORING HEAD I

Reduktionshülsen — Reduction sleeves 265/268



Bestell-Nr. / Order number	D	d1	L
265.007.004	7	4	(30)
268.016.004	16	4	90
268.016.007	16	7	90

Schneideinsätze — Boring bars 273



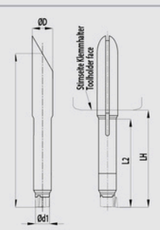
Bestell-Nr. / Order number	ØD	L2	Ød min	Ød max	R	a	d	f	LH	t max	Typ
273.004.003	4.0	1.2	0.3	0.7	-	0.25	0.15	0.15	11.0	0.03	A
273.004.006	4.0	2.5	0.6	1.1	-	0.55	0.46	0.30	11.0	0.05	A
273.004.010	4.0	4.0	1.0	2.3	0.05	0.95	0.65	0.50	11.0	0.1	B
273.004.022	4.0	6.0	2.2	3.3	0.05	2.00	1.55	1.10	11.0	0.2	B
273.004.032	4.0	10.2	3.2	4.3	0.05	3.00	2.55	1.60	11.0	0.2	B
273.004.039	4.0	15.2	3.9	(7.1)	0.05	3.70	3.45	1.95	16.0	0.3	B
273.007.052	7.0	20.3	5.2	6.3	0.05	5.00	4.25	2.60	21.0	0.5	B
273.007.062	7.0	20.3	6.2	7.3	0.05	6.00	5.25	3.10	21.0	0.5	B
273.007.069	7.0	25.4	6.9	(12.1)	0.20	6.70	6.25	3.45	26.0	0.5	B

Schneidplatten — inserts 277

Bestell-Nr. / Order number	Ød min	Ød max	R	f	Ød	S	tmax	Code
277.007.069	6.9	8.1	0.2	3.45	4.8	3.5	1.0	D07
277.007.079	7.9	9.1	0.2	3.95	4.8	3.5	1.0	D07
277.007.089	8.9	10.1	0.2	4.45	4.8	3.5	1.0	D07
277.010.099	9.9	12.1	0.2	4.95	7	3.9	1.0	D10
277.010.119	11.9	14.1	0.2	5.95	7	3.9	1.0	D10
277.010.139	13.9	19.1	0.2	6.95	7	3.9	1.0	D10

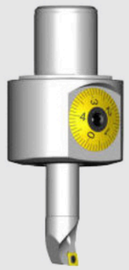
- Schnittwerte (Start) f 0.02 mm/U
- Cutting parameters (Start) f 0.02 mm/rev

Adapter für Schneidplatten — Adapter for inserts 276



Bestell-Nr. / Order number	ØD h6	L2	Ø d1	L1	LH	Schraube/ screw (1)	Torx	Code
276.007.007	7.0	30	4.8	56	31	M2x7.5 (843.013.000)	T7	D07
276.007.010	7.0	35	7.0	61	36	M3x9.0 (843.014.000)	T9	D10

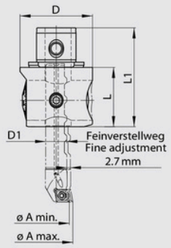
262/269 Ausdrehköpfe ø3-88.1 / Fine boring heads ø3-88.1



- Durchmessereinstellung mit geringstem Umkehrspiel
- Zustellgenauigkeit von 0.01mm resp. über Nonius 0.002mm im Durchmesser
- mit Innenkühlung
- Ausdrehstähle durchschiebbar (L1)

- diametrical adjustment with maximal reduced reversal backlash
- 0.01mm diametrical adjustment resp. 0.002mm by nonius
- with inner coolant supply
- boring bars go through head (L1)

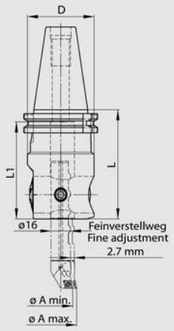
Bestell-Nr. / Order number	System ø D	D1	ø A min.	ø A max.	L	L1
MBM modular *ANALOG*						
262.420.000	42	10	3	19	45	40
262.550.045	55	16	3	88.1	45	75
DIN 69893 HSK 63 A						
269.063.095	55	16	3	88.1	95	70
DIN 69871 AD 40						
269.415.090	55	16	3	88.1	90	80
MAS BT 40						
269.412.090	55	16	3	88.1	90	80



- die Ausdrehdurchmesser ø A min. - A max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht

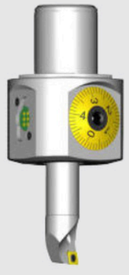
- boring diameter ø A min. - A max. are only available with boring bars from series 271 to 278

266 Ausdrehköpfe ø3-88.1 DIGITAL / Fine boring heads ø3-88.1 DIGITAL

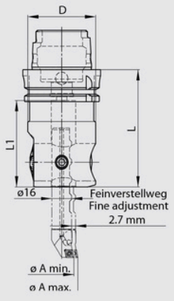


- für Ausdrehstähle mit Schaftdurchmesser 16mm
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßsystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar
- mit Innenkühlung
- Ausdrehstähle durchschiebbar

- for boring bars with a shank diameter of 16mm
- 0.001 accuracy in diameter
- direct measurement system (no back-lash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use
- with inner coolant supply
- boring bars go through head



Bestell-Nr. / Order number	System ø D	D1	ø A min.	ø A max.	L	L1
MBM modular *DIGITAL*						
266.550.045	55	16	3	88.1	45	75
DIN 69893 HSK 63 A						
266.063.095	55	16	3	88.1	95	70
DIN 69871 AD 40						
266.415.090	55	16	3	88.1	90	80
MAS BT 40						
266.412.090	55	16	3	88.1	90	80



- die Ausdrehdurchmesser ø A min. - A max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht

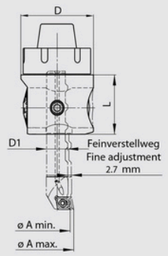
- boring diameter ø A min. - A max. are only available with boring bars from series 271 to 278

- Anzeigeeinheit muss separat bestellt werden siehe Seite 6 (266.028.077).

- Display unit must be ordered separately see page 6 (266.028.077).

DIGITAL BORING HEAD I

Ausdrehkopf ø3-88.1 / Fine boring head ø3-88.1 — ECO LINE 262



- Schnittstelle ER32 DIN6499

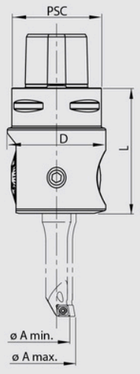
- connection ER32 DIN 6499

Bestell-Nr. / Order number	Ø D/ System	Ø A min.	Ø A max.	L (A)	L1
SMART ER32					
262.032.060	55 / ER32	9.75	88.1	60	-

- Werkzeug in einem Spannzangenfutter spannen.

- Clamp tool in a collet chuck.

Ausdrehköpfe ø3-88.1 DIGITAL / Fine boring heads ø3-88.1 DIGITAL — PSC FBHO



- für Ausdrehstähle mit Schaftdurchmesser 16mm
- Einstellgenauigkeit 0.001mm im Durchmesser
- direktes Wegmeßsystem (kein Umkehrspiel)
- keine Batterie und Auswerteelektronik im Werkzeug verbaut
- sehr einfache Bedienung
- digital und analog einsetzbar
- mit Innenkühlung

- for boring bars with a shank diameter of 16mm
- 0.001 accuracy in diameter
- direct measurement system (no back-lash)
- no battery and electronic evaluation unit inside the tool
- very easy operation
- for digital and analog use
- with inner coolant supply

Bestell-Nr. / Order number	System	D1	ø A min.	ø A max.	L (A)	L1
PSC *DIGITAL*						
PSC40-FBHO-DE-1665	PSC40	55	3	88.1	65	-
PSC50-FBHO-DE-1670	PSC50	55	3	88.1	70	-
PSC63-FBHO-DE-1690	PSC63	55	3	88.1	90	-

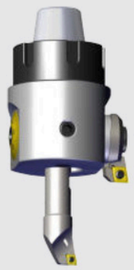
- die Ausdrehdurchmesser ø A min. - A max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht

- boring diameter ø A min. - A max. are only available with boring bars from series 271 to 278

- Anzeigeeinheit muss separat bestellt werden siehe Seite 6 (266.028.077).

- Display unit must be ordered separately see page 6 (266.028.077).

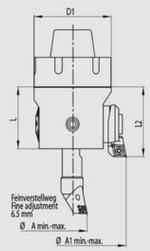
ECO LINE 267 — Ausdrehkopf ø3-152.1 — Fine boring head ø3-152.1



- Schnittstelle ER40 DIN6499
- Zustellgenauigkeit 0.01mm resp. über Nonius 0.002mm im Durchmesser
- erweiterbar von ø3 bis ø152.1

- connection ER40 DIN 6499
- 0.01mm diametrical adjustment resp. 0.002mm by nonius
- can be upgraded from ø3 up to ø152.1

Bestell-Nr. / Order number	Ø D/ System	Ø A min. - max.	Ø A1 min. - max.	L (A)	L2
VARIO ER40					
267.003.152	63 / ER40	3 - 88.1	87.75 - 152.1	50.5	57

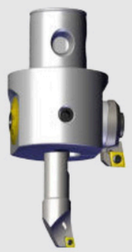


- die Ausdrehdurchmesser ø A min. - A max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht

- boring diameter ø A min. - A max. are only available with boring bars from series 271 to 278

Zubehör	Accesories	
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 87.75 - 101.1 (ø 114.1)	254.261.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 105.75 - 119.0 (ø 132.0)	254.262.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 125.75 - 139.0 (ø 152.0)	254.263.009
Distanzstück / Adapter F = 6.5 mm	ø 114.0 / ø 132.0 / ø 152.0	889.000.006

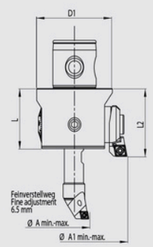
267 — Ausdrehkopf ø3-152.1 — Fine boring head ø3-152.1



- für Ausdrehstähle mit Schaftdurchmesser 16mm
- Durchmessereinstellung mit geringstem Umkehrspiel
- Zustellgenauigkeit von 0.01mm resp. über Nonius 0.002mm im Durchmesser
- mit Innenkühlung
- Ausdrehstähle durchschiebbar

- for boring bars with a shank diameter of 16mm
- diametrical adjustment with maximal reduced reversal backlash
- 0.01mm diametrical adjustment resp. 0.002mm by nonius
- with inner coolant supply
- boring bars go through head

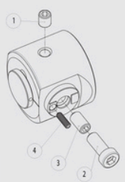
Bestell-Nr. / Order number	System	L	L2	Ø A min. - max.	Ø A1 min. - max.
VARIO MBM 55					
267.550.152	MBM 55	50	57	3 - 88.1	87.75 - 152.1



- die Ausdrehdurchmesser ø A min. - A max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht

- boring diameter ø A min. - A max. are only available with boring bars from series 271 to 278

Zubehör	Accesories	
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 87.75 - 101.1 (ø 114.1)	254.261.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 105.75 - 119.0 (ø 132.0)	254.262.009
Wendeplattenhalter / Insert holder CC . . 09 T3 . .	ø 125.75 - 139.0 (ø 152.0)	254.263.009
Distanzstück / Adapter F = 6.5 mm	ø 114.0 / ø 132.0 / ø 152.0	889.000.006

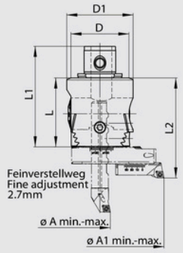


Ersatzteile / Zubehör — Spare parts / Accessories — 267

Für Feinbohrkopf	Bestell-Nr. / Order number	Bestell-Nr. / Order number	Bestell-Nr. / Order number	Bestell-Nr. / Order number
For fine boring head	Klemmschraube / Clamping screw (1)	Schraube / Screw (2)	Schraube / Screw (3)	Schraube / Screw (4)
267.003.152	881.267.012	880.267.025	881.267.018	881.267.014

swiss MBM

Ausdrehkopf ø3-320 — Fine boring head ø3-320 — 261



- für Ausdrehstähle mit Schaftdurchmesser 16mm und Feinbohrbrücken
- Durchmessereinstellung mit geringstem Umkehrspiel
- Zustellgenauigkeit von 0.002mm über Nonius im Durchmesser
- mit Innenkühlung
- Ausdrehstähle durchschiebbar

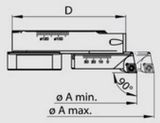
- for boring bars with a shank diameter of 16mm and fine boring bridges
- diametrical adjustment with maximal reduced reversal backlash
- 0.002mm diametrical adjustment by nonius
- with inner coolant supply
- boring bars go through head

Bestell-Nr. / Order number	System ø D	D1	ø A min.- max.	ø A1 min.- max.	L	L1	L2
MBM 55 modular							
261.550.065	55	63	3 - 88.1	86 - 320	66	96	95
DIN 69893 HSK 63 A							
261.063.095	-	63	3 - 88.1	86 - 320	96	72.5	125
DIN 69871 AD 40							
261.415.090	-	63	3 - 88.1	86 - 320	91	81	120
MAS BT 40							
261.412.090	-	63	3 - 88.1	86 - 320	91	81	120

- die Ausdrehdurchmesser ø A min.-max. werden mit Ausdrehstählen der Serien 271 bis 278 erreicht
- die Ausdrehdurchmesser ø A1 min.-max. werden mit Feinbohrbrücken der Serie 886 erreicht

- boring diameters ø A min.-max. are only available with boring bars from series 271 to 278
- boring diameters ø A min.-max. are only available with fine boring bridges from serie 886

Feinbohrbrücken ø86-320 — Fine boring bridges ø86-320 — 886



Aluminium-Brücken
- mit Innenkühlung

Aluminium bridges
- with inner coolant supply

Bestell-Nr. / Order number	D	ø A min.	ø A max.
886.086.164	80	86	164
886.162.320	158	162	320

Wendeplattenhalter
- mit Innenkühlung

Insert holders
- with inner coolant supply

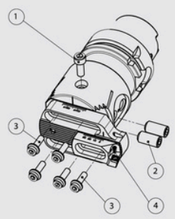
Bestell-Nr. / Order number	Wendeplatte / Insert	ø A min.	ø A max.
253.048.006	CC . . 06 02 . .	86	320
253.048.009	CC . . 09 T3 . .	86	320

Gegengewicht
- zum Feinwuchten auf Wuchtgerät

Counter weight
- to balance with balancing machine

Bestell-Nr. / Order number
886.038.045

Ersatzteile / Zubehör — Spare parts / Accessories — 253/261/262/266



Für Ausdrehkopf For boring head	Bestell-Nr. / Order number	Bestell-Nr. / Order number	Bestell-Nr. / Order number
	Klemmschraube / Clamping screw (1)	Befestigungsschraube / Fastening screw (2)	Befestigungsschraube / Fastening screw (3)
261.xxx.xxx	881.261.016	881.261.020	883.261.016
262.420.000	881.262.420	882.262.420	
262/266.550.045	881.262.551	882.262.551	

Für Wp-Halter For insert holder	Bestell-Nr. / Order number	Bestell-Nr. / Order number
	Torx-Schraube / Torx screw (4)	Torx-Schlüssel / Torx driver
253.048.006	843.006.000	842.006.000
253.048.009	843.009.000	842.009.000

DIGITAL BORING HEAD II

EWE Digital Boring Head (Finishing Round Bit Type)

An advanced digital boring head created using ultra-precision technology

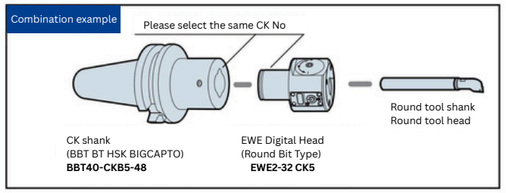
- Digital display lets you see the adjustment amount at a glance
- Completely waterproof and dustproof(IP69K equivalent)

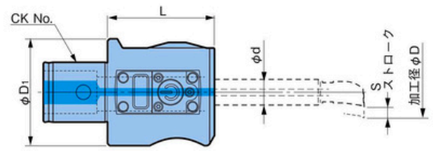
For finishing | Center through | MAX 16,000min^{-1} (EWE2-32)

*Please keep the center through coolant pressure below 4MPa

Display resolution 0.001mm/ø

Combination example





● Model description

EWE | 2 - 32 | CK5

- CK No.
- MAX. Machining diameter
- Finishing boring head

Please refer to the following page for information on the bite system of each head.

EWE2-32CK5・・・A70
EWE2-54CK6・・・A71

Machining diameter φD	Model	Applicable CK No.	φd	φD1	L	S	Mass (kg)
1～32	**EWE2-32CK5**	CK5	12	50	50	-0.5～2.0	0.65
1～54	**EWE2-54CK6**	CK6	16	63.5	45	-0.5～2.5	1.35

Battery used: 1CR1025 (included)
1. Round tool is not included.
2. It has a through hole so it can be used with a center through
3. Inserts are not included and must be purchased separately

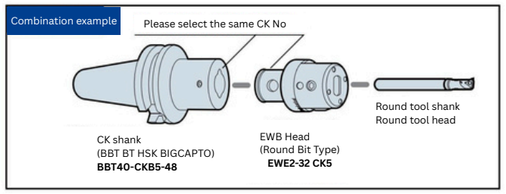
EWB round bit boring head

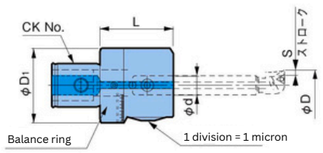
For high speed finishing
Built in manual balance adjustment function

For finishing | Center through | MAX 16,000min^{-1} (EWE2-32)

Manual balance adjustment mechanism
1. **The internal weight can be manually adjusted by turning the balance ring**
2. Vernier precision diameter adjustment mechanism with 5μm/1μm scale (EWB2-50 only)

Combination example





● Model description

EWB | 2 - 32 | CK5

- CK No.
- MAX. Machining diameter
- Finishing boring head

Machining diameter φD	Model	Applicable CK No.	φd	φD1	L	S	Mass (kg)
1 ～ 32	**EWB2-32CK5**	CK5	12	50	49	3.5	0.65
1 ～ 50	**EWB2-50CK6**	CK6	16	63.5	62	4.5	1.32

1. Round tool is not included.
- The balance ring setting values are listed in the instruction manual.
- Incorrect setting may result in greater imbalance.
- Please be sure to read the instruction manual carefully before use.

2. It has a through hole so it can be used with a center through

Please note

- The maximum allowable rotation speed of the EWB head itself depends on the protruding length of the bit and the usage
- To obtain the best balance performance , keep the head stroke within a range of 1 mm
- This head is equipped with the original round bit series of the KAISER boring system

Use only the appropriate