



KTA SPINDLE TOOLINGS

(A Tool Holder Company since 1985)

World's most preferred Indian Toolholding Company



Precision Tool Holders (G - Pack)



Vol. 3
Precision at it's Best

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Precision Tool Holders



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Declaration



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Proprietor
KTA Spindle Toolings,
Hinjawadi, Pune (INDIA)

**Precision Tool Holders
BT (MAS 403)
(DIN ISO 7388 - 2)**



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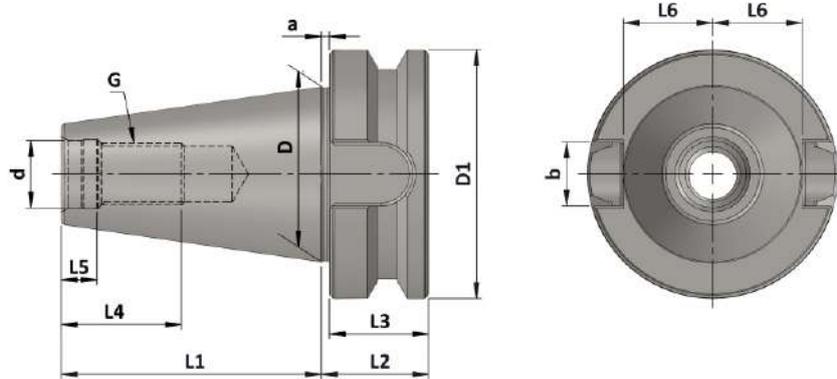
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BT (MAS 403) (DIN ISO 7388 - 2) Technical Information

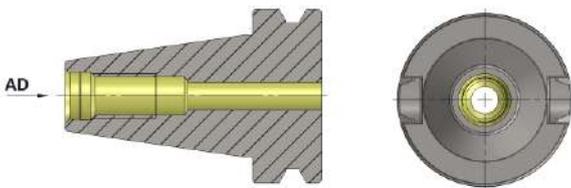


BT (MAS 403) Form A

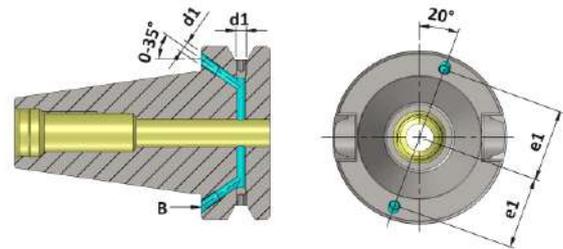


ISO	d	d1	D	D1	a	b	e1	G	L1	L2	L3	L4	L5	L6
30	12.5	-	31.75	46	2	16.1	-	M12	48.4	22	20	24	7.0	16.3
40	17	M4	44.45	63	2	16.1	27	M16	65.4	27	25	32	9.0	22.6
50	25	M6	69.85	100	3	25.7	42	M24	101.8	38	35	47	13.0	35.4

Old Name : BT (MAS 403) Form AD
New Name : BT (MAS 403) DIN ISO7388 - 2 JD
(Coolant Supply Through Center)

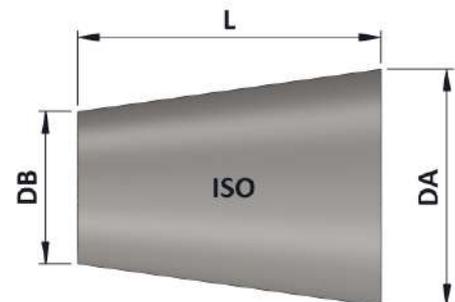


Old Name : BT (MAS 403) Form AD+B
New Name : BT (MAS 403) DIN ISO7388 - 2 JD/JF
(Coolant Supply Through Flange)



Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²
Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.
Accuracy :- 7:24 Taper Angle Class AT 3 As per DIN 2080

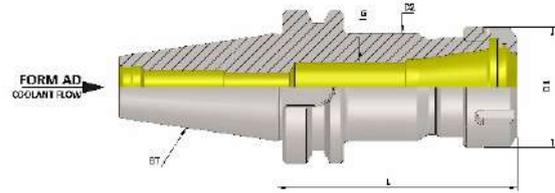
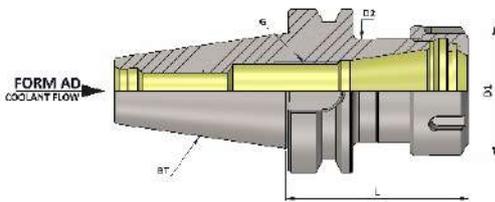
Taper Class AT 3 Details			
ISO	L	DA-DB	AT 3
30	42	12.280	+0.002
40	59	17.208	+0.003
50	92	26.833	+0.004



BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN-6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Collet Chuck ER (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
BT30 ER 16 060 AD/2.5G 25000 SL	K10101149117110	30	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
BT30 ER 16 100 AD/2.5G 25000 SL	K10101149148110	30	ER16	0.5-10	32	-	M10X1P	100	UM/ER16	E16	
BT30 ER 16 160 AD/2.5G 25000 SL	K10101149175110	30	ER16	0.5-10	32	-	M10X1P	160	UM/ER16	E16	
BT30 ER 20 060 AD/2.5G 25000 SL	K10101150117110	30	ER20	1.0-13	35	-	M10X1P	60	UM/ER20	E20	
BT30 ER 20 100 AD/2.5G 25000 SL	K10101150148110	30	ER20	1.0-13	35	-	M10X1P	100	UM/ER20	E20	
BT30 ER 25 060 AD/2.5G 25000 SL	K10101151117110	30	ER25	1.0-16	42	-	M18X1P	60	UM/ER25	E25	
BT30 ER 25 100 AD/2.5G 25000 SL	K10101151148110	30	ER25	1.0-16	42	-	M18X1P	100	UM/ER25	E25	
BT 30 ER 32 050 AD/2.5G 25000SL	K10101152111228	30	ER32	2.0-20	50	-	M22X1.5P	50	UM/ER32	E32	
BT30 ER 32 060 AD/2.5G 25000 SL	K10101152117110	30	ER32	2.0-20	50	-	M22X1.5P	60	UM/ER32	E32	
BT30 ER 32 100 AD/2.5G 25000 SL	K10101152148110	30	ER32	2.0-20	50	-	M22X1.5P	100	UM/ER32	E32	
BT30 ER 40 080 AD/2.5G 25000 SL	K10101153131110	30	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	

Accessories:



ER COLLET (DIN 6499)



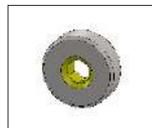
TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



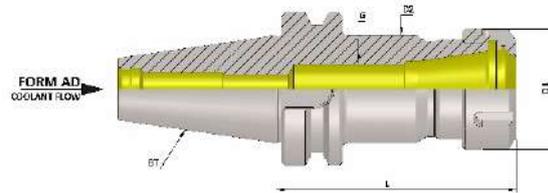
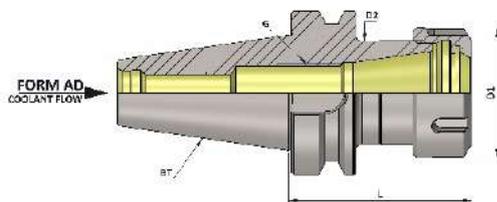
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN-6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Collet Chuck ER (AD) (JD)											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
BT40 ER 16 070 AD/2.5G 25000 SL	K10102149125110	40	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16		
BT40 ER 16 100 AD/2.5G 25000 SL	K10102149148110	40	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
BT40 ER 16 130 AD/2.5G 25000 SL	K10102149165110	40	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
BT40 ER 16 160 AD/2.5G 25000 SL	K10102149175110	40	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
BT40 ER 20 070 AD/2.5G 25000 SL	K10102150125110	40	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20		
BT40 ER 20 100 AD/2.5G 25000 SL	K10102150148110	40	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
BT40 ER 20 130 AD/2.5G 25000 SL	K10102150165110	40	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
BT40 ER 20 160 AD/2.5G 25000 SL	K10102150175110	40	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
BT40 ER 25 070 AD/2.5G 25000 SL	K10102151125110	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25		
BT40 ER 25 100 AD/2.5G 25000 SL	K10102151148110	40	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
BT40 ER 25 130 AD/2.5G 25000 SL	K10102151165110	40	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
BT40 ER 25 160 AD/2.5G 25000 SL	K10102151175110	40	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
BT40 ER 32 070 AD/2.5G 25000 SL	K10102152125110	40	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32		
BT40 ER 32 100 AD/2.5G 25000 SL	K10102152148110	40	ER32	2.0-20	50	48	M22X1.5P	100	UM/ER32	E32		
BT40 ER 32 130 AD/2.5G 25000 SL	K10102152165110	40	ER32	2.0-20	50	48	M22X1.5P	130	UM/ER32	E32		
BT40 ER 32 160 AD/2.5G 25000 SL	K10102152175110	40	ER32	2.0-20	50	48	M22X1.5P	160	UM/ER32	E32		
BT40 ER 40 070 AD/2.5G 25000 SL	K10102153125110	40	ER40	3.0-26	63	-	M30X1.5P	70	UM/ER40	E40		
BT40 ER 40 100 AD/2.5G 25000 SL	K10102153148110	40	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
BT40 ER 40 130 AD/2.5G 25000 SL	K10102153165110	40	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
BT40 ER 40 160 AD/2.5G 25000 SL	K10102153175110	40	ER40	3.0-26	63	-	M30X1.5P	160	UM/ER40	E40		
BT40 ER 50 100 AD/2.5G 25000 SL	K10102154148110	40	ER50	10.0-34	78	-	M16X2	100	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



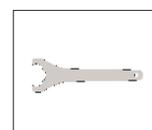
ER NUT



ER STOPPER SCREW



SEALING DISC



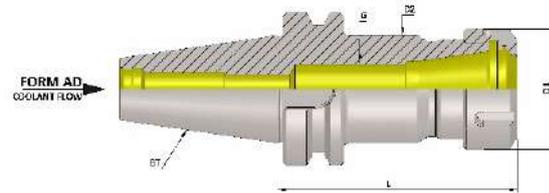
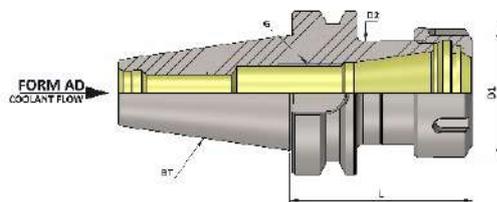
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN-6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Collet Chuck ER (AD) (JD)											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
BT50 ER 16 080 AD/2.5G 25000 SL	K10103149131110	50	ER16	0.5-10	32	-	M10X1P	80	UM/ER16	E16		
BT50 ER 16 100 AD/2.5G 25000 SL	K10103149148110	50	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
BT50 ER 16 130 AD/2.5G 25000 SL	K10103149165110	50	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
BT50 ER 16 160 AD/2.5G 25000 SL	K10103149175110	50	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
BT50 ER 20 100 AD/2.5G 25000 SL	K10103150148110	50	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
BT50 ER 20 130 AD/2.5G 25000 SL	K10103150165110	50	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
BT50 ER 20 160 AD/2.5G 25000 SL	K10103150175110	50	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
BT50 ER 25 080 AD/2.5G 25000 SL	K10103151131110	50	ER25	1.0-16	42	-	M18X1P	80	UM/ER25	E25		
BT50 ER 25 100 AD/2.5G 25000 SL	K10103151148110	50	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
BT50 ER 25 130 AD/2.5G 25000 SL	K10103151165110	50	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
BT50 ER 25 160 AD/2.5G 25000 SL	K10103151175110	50	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
BT50 ER 32 080 AD/2.5G 25000 SL	K10103152131110	50	ER32	2.0-20	50	-	M22X1.5P	80	UM/ER32	E32		
BT50 ER 32 100 AD/2.5G 25000 SL	K10103152148110	50	ER32	2.0-20	50	45	M22X1.5P	100	UM/ER32	E32		
BT50 ER 32 130 AD/2.5G 25000 SL	K10103152165110	50	ER32	2.0-20	50	45	M22X1.5P	130	UM/ER32	E32		
BT50 ER 32 160 AD/2.5G 25000 SL	K10103152175110	50	ER32	2.0-20	50	45	M22X1.5P	160	UM/ER32	E32		
BT50 ER 40 080 AD/2.5G 25000 SL	K10103153131110	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40		
BT50 ER 40 100 AD/2.5G 25000 SL	K10103153148110	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
BT50 ER 40 130 AD/2.5G 25000 SL	K10103153165110	50	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
BT50 ER 40 160 AD/2.5G 25000 SL	K10103153175110	50	ER40	3.0-26	63	60	M30X1.5P	160	UM/ER40	E40		
BT50 ER 50 100 AD/2.5G 25000 SL	K10103154148110	50	ER50	10.0-34	78	-	M16X2	100	UM/ER50	E50		
BT50 ER 50 160 AD/2.5G 25000 SL	K10103154175110	50	ER50	10.0-34	78	-	M16X2	160	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



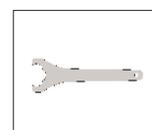
ER NUT



ER STOPPER SCREW



SEALING DISC



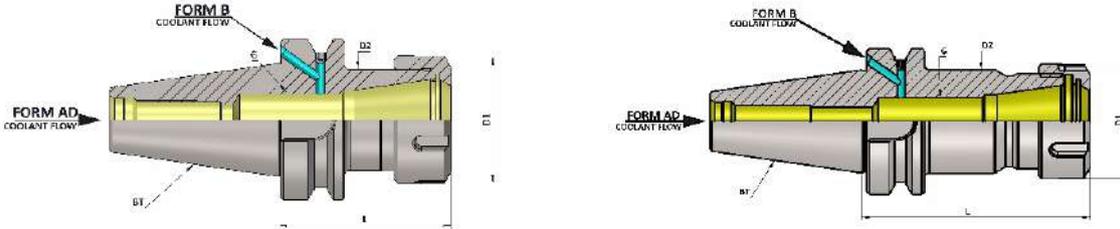
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN-6499) (AD+B) (JD/JF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Collet Chuck ER (AD+B) (JD/JF)											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
BT40 ER 16 070 AD+B/2.5G 25000 SL	K10102149125112	40	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16		
BT40 ER 16 100 AD+B/2.5G 25000 SL	K10102149148112	40	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
BT40 ER 16 130 AD+B/2.5G 25000 SL	K10102149165112	40	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
BT40 ER 16 160 AD+B/2.5G 25000 SL	K10102149175112	40	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
BT40 ER 20 070 AD+B/2.5G 25000 SL	K10102150125112	40	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20		
BT40 ER 20 100 AD+B/2.5G 25000 SL	K10102150148112	40	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
BT40 ER 20 130 AD+B/2.5G 25000 SL	K10102150165112	40	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
BT40 ER 20 160 AD+B/2.5G 25000 SL	K10102150175112	40	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
BT40 ER 25 070 AD+B/2.5G 25000 SL	K10102151125112	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25		
BT40 ER 25 100 AD+B/2.5G 25000 SL	K10102151148112	40	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
BT40 ER 25 130 AD+B/2.5G 25000 SL	K10102151165112	40	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
BT40 ER 25 160 AD+B/2.5G 25000 SL	K10102151175112	40	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
BT40 ER 32 070 AD+B/2.5G 25000 SL	K10102152125112	40	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32		
BT40 ER 32 100 AD+B/2.5G 25000 SL	K10102152148112	40	ER32	2.0-20	50	48	M22X1.5P	100	UM/ER32	E32		
BT40 ER 32 130 AD+B/2.5G 25000 SL	K10102152165112	40	ER32	2.0-20	50	48	M22X1.5P	130	UM/ER32	E32		
BT40 ER 32 160 AD+B/2.5G 25000 SL	K10102152175112	40	ER32	2.0-20	50	48	M22X1.5P	160	UM/ER32	E32		
BT40 ER 40 070 AD+B/2.5G 25000 SL	K10102153125112	40	ER40	3.0-26	63	-	M30X1.5P	70	UM/ER40	E40		
BT40 ER 40 100 AD+B/2.5G 25000 SL	K10102153148112	40	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
BT40 ER 40 130 AD+B/2.5G 25000 SL	K10102153165112	40	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
BT40 ER 40 160 AD+B/2.5G 25000 SL	K10102153175112	40	ER40	3.0-26	63	-	M30X1.5P	160	UM/ER40	E40		
BT40 ER 50 100 AD+B/2.5G 25000 SL	K10102154148112	40	ER50	10.0-34	78	-	M16X2	100	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



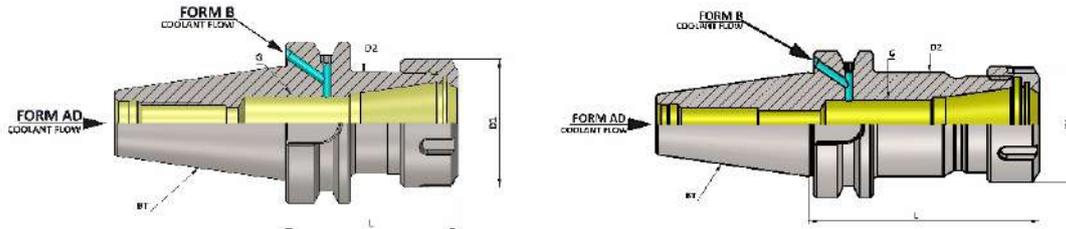
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN-6499) (AD+B) (JD/JF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Collet Chuck ER (AD+B) (JD/JF)											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
BT50 ER 16 080 AD+B/2.5G 25000 SL	K10103149131233	50	ER16	0.5-10	32	-	M10X1P	80	UM/ER16	E16		
BT50 ER 16 100 AD+B/2.5G 25000 SL	K10103149148112	50	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
BT50 ER 16 130 AD+B/2.5G 25000 SL	K10103149165233	50	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
BT50 ER 16 160 AD+B/2.5G 25000 SL	K10103149175112	50	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
BT50 ER 20 100 AD+B/2.5G 25000 SL	K10103179621563	50	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
BT50 ER 20 130 AD+B/2.5G 25000 SL	K10103179623563	50	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
BT50 ER 20 160 AD+B/2.5G 25000 SL	K10103179623309	50	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
BT50 ER 25 080 AD+B/2.5G 25000 SL	K10103151131112	50	ER25	1.0-16	42	-	M18X1P	80	UM/ER25	E25		
BT50 ER 25 100 AD+B/2.5G 25000 SL	K10103151148112	50	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
BT50 ER 25 130 AD+B/2.5G 25000 SL	K10103151165233	50	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
BT50 ER 25 160 AD+B/2.5G 25000 SL	K10103151175112	50	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
BT50 ER 32 080 AD+B/2.5G 25000 SL	K10103152131112	50	ER32	2.0-20	50	-	M22X1.5P	80	UM/ER32	E32		
BT50 ER 32 100 AD+B/2.5G 25000 SL	K10103152148112	50	ER32	2.0-20	50	45	M22X1.5P	100	UM/ER32	E32		
BT50 ER 32 130 AD+B/2.5G 25000 SL	K10103152165233	50	ER32	2.0-20	50	45	M22X1.5P	130	UM/ER32	E32		
BT50 ER 32 160 AD+B/2.5G 25000 SL	K10103152175112	50	ER32	2.0-20	50	45	M22X1.5P	160	UM/ER32	E32		
BT50 ER 40 080 AD+B/2.5G 25000 SL	K10103153131112	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40		
BT50 ER 40 100 AD+B/2.5G 25000 SL	K10103153148112	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
BT50 ER 40 130 AD+B/2.5G 25000 SL	K10103153165233	50	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
BT50 ER 40 160 AD+B/2.5G 25000 SL	K10103153175112	50	ER40	3.0-26	63	60	M30X1.5P	160	UM/ER40	E40		
BT50 ER 50 100 AD+B/2.5G 25000 SL	K10103154148112	50	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50		
BT50 ER 50 160 AD+B/2.5G 25000 SL	K10103154175112	50	ER50	10.0-34	78	-	M16X2P	160	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



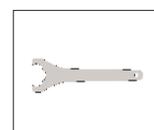
ER NUT



ER STOPPER SCREW



SEALING DISC



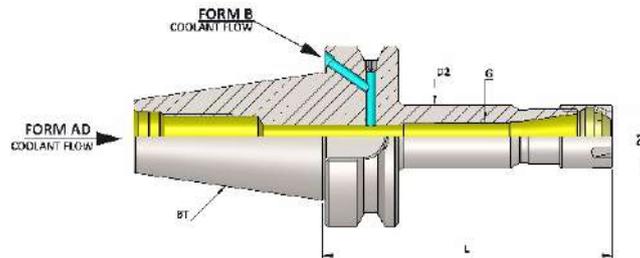
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Collet Chuck ER - M Type (DIN-6499) (AD+B) (JD/JF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) ER - M Type Collet Chuck (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
BT30 ER11M 070 AD/2.5G 25000 SL	K10101156125228	30	ER11	0.5-7	16	16	M6X1P	70	ER11M	E11M

BT (MAS 403) ER - M Type Collet Chucks (AD+B) (JD/JF) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
BT40 ER11M 070 AD+B/2.5G 25000 SL	K10102156125230	40	ER11	0.5-7	16	16	M6X1P	70	ER11M	E11M
BT40 ER11M 100 AD+B/2.5G 25000 SL	K10102156148230	40	ER11	0.5-7	16	16	M6X1P	100	ER11M	E11M
BT40 ER11M 130 AD+B/2.5G 25000 SL	K10102156165230	40	ER11	0.5-7	16	16	M6X1P	130	ER11M	E11M
BT40 ER11M 160 AD+B/2.5G 25000 SL	K10102156175230	40	ER11	0.5-7	16	16	M6X1P	160	ER11M	E11M
BT40 ER16M 070 AD+B/2.5G 25000 SL	K10102157125230	40	ER16	0.5-10	22	22	M10X1P	70	ER16M	E16M
BT40 ER16M 100 AD+B/2.5G 25000 SL	K10102157148230	40	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M
BT40 ER16M 120 AD+B/2.5G 25000 SL	K10102157162112	40	ER16	0.5-10	22	22	M10X1P	120	ER16M	E16M
BT40 ER16M 130 AD+B/2.5G 25000 SL	K10102157165230	40	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M
BT40 ER16M 160 AD+B/2.5G 25000 SL	K10102157175112	40	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M
BT40 ER20M 120 AD+B/2.5G 25000 SL	K10102158162112	40	ER20	1.0-13	28	28	M10X1P	120	ER20M	E20M
BT40 ER20M 130 AD+B/2.5G 25000 SL	K10345662105226	40	ER20	1.0-13	28	28	M10X1P	130	ER20M	E20M
BT40 ER20M 160 AD+B/2.5G 25000 SL	K10102158175112	40	ER20	1.0-13	28	28	M10X1P	160	ER20M	E20M
BT40 ER25M 070 AD+B/2.5G 25000 SL	K10102159125230	40	ER25	1.0-16	35	35	M18X1P	70	ER25M	E25M
BT40 ER25M 100 AD+B/2.5G 25000 SL	K10102159148230	40	ER25	1.0-16	35	35	M18X1P	100	ER25M	E25M
BT40 ER25M 120 AD+B/2.5G 25000 SL	K10102159162112	40	ER25	1.0-16	35	35	M18X1P	120	ER25M	E25M
BT40 ER25M 130 AD+B/2.5G 25000 SL	K10345662107226	40	ER25	1.0-16	35	35	M18X1P	130	ER25M	E25M
BT40 ER25M 160 AD+B/2.5G 25000 SL	K10102159175112	40	ER25	1.0-16	35	35	M18X1P	160	ER25M	E25M

BT50 ER16M 100 AD+B/2.5G 25000 SL	K10103157148230	50	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M
BT50 ER16M 130 AD+B/2.5G 25000 SL	K10103157165230	50	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M
BT50 ER16M 160 AD+B/2.5G 25000 SL	K10103157175230	50	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



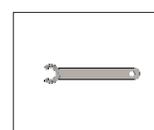
ER M NUT



ER STOPPER SCREW



SEALING DISC



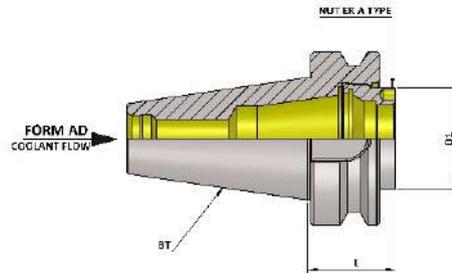
E - M SPANNER

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Short Length Collet Chuck ER-A (DIN-6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) Short Length Collet Chuck ER - A					(Balanced to 2.5 G 25000 RPM)		
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	L	Suitable Nut
BT30 ER 25A 27 AD/2.5G 25000 SL	K10101151500228	30	ER 25	1-16	32	27	ER25A
BT40 ER 32A 32 AD/2.5G 25000 SL	K10102244248110	40	ER 32	2-20	40	32	ER32A
BT50 ER 32A 43 AD/2.5G 25000 SL	K10103244249110	50	ER 32	2-20	40	43	ER32A

Accessories:



ER COLLET (DIN 6499)



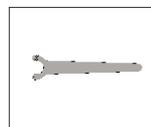
ER TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER A TYPE NUT



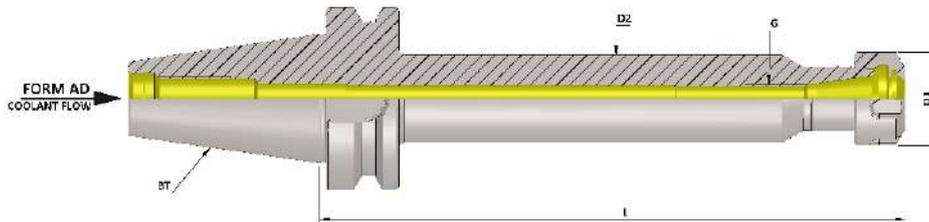
ER A TYPE SPANNER

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER Long Series (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) Collet Chuck ER (AD) (JD)

ITEM NAME	ITEM CODE	ISO	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
BT40 ER 16 200 AD	K10102149239543	40	ER 16	0.5-10	32	30	200	M10 X 1.5P	UM/ER16	E16
BT40 ER 16 250 AD	K10102149182543	40	ER 16	0.5-10	32	30	250	M10 X 1.5P	UM/ER16	E16
BT40 ER 16 300 AD	K10102149183543	40	ER 16	0.5-10	32	30	300	M10 X 1.5P	UM/ER16	E16
BT40 ER 20 200 AD	K10102150239543	40	ER 20	1.0-13	35	34	200	M10 X 1.5P	UM/ER20	E20
BT40 ER 20 250 AD	K10102150182543	40	ER 20	1.0-13	35	34	250	M10 X 1.5P	UM/ER20	E20
BT40 ER 20 300 AD	K10102150183543	40	ER 20	1.0-13	35	34	300	M10 X 1.5P	UM/ER20	E20
BT40 ER 25 200 AD	K10102151239543	40	ER 25	1.0-16	42	40	200	M16 X 2P	UM/ER25	E25
BT40 ER 25 250 AD	K10102151182543	40	ER 25	1.0-16	42	40	250	M16 X 2P	UM/ER25	E25
BT40 ER 25 300 AD	K10102151183543	40	ER 25	1.0-16	42	40	300	M16 X 2P	UM/ER25	E25
BT40 ER 32 200 AD	K10102152239543	40	ER 32	2.0-20	50	48	200	M16 X 2P	UM/ER32	E32
BT40 ER 32 250 AD	K10102152182543	40	ER 32	2.0-20	50	48	250	M16 X 2P	UM/ER32	E32
BT40 ER 32 300 AD	K10102152183543	40	ER 32	2.0-20	50	48	300	M16 X 2P	UM/ER32	E32
BT40 ER 40 200 AD	K10102153239543	40	ER 40	3.0-26	63	52	200	M16 X 2P	UM/ER40	E40
BT40 ER 40 250 AD	K10102153182543	40	ER 40	3.0-26	63	52	250	M16 X 2P	UM/ER40	E40
BT40 ER 40 300 AD	K10102153183543	40	ER 40	3.0-26	63	52	300	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



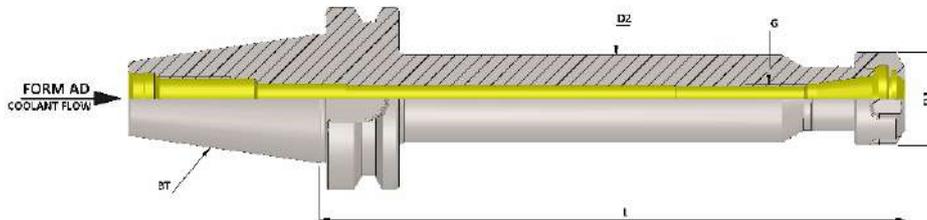
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER Long Series (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) Collet Chuck ER (AD) (JD)

ITEM NAME	ITEM CODE	ISO	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
BT50 ER 16 200 AD	K10103149239543	50	ER 16	0.5-10	32	30	200	M10 X 1.5P	UM/ER16	E16
BT50 ER 16 250 AD	K10103149182543	50	ER 16	0.5-10	32	30	250	M10 X 1.5P	UM/ER16	E16
BT50 ER 16 300 AD	K10103149183543	50	ER 16	0.5-10	32	30	300	M10 X 1.5P	UM/ER16	E16
BT50 ER 16 350 AD	K10103149184543	50	ER 16	0.5-10	32	30	350	M10 X 1.5P	UM/ER16	E16
BT50 ER 16 400 AD	K10103149540543	50	ER 16	0.5-10	32	30	400	M10 X 1.5P	UM/ER16	E16
BT50 ER 20 200 AD	K10103150239543	50	ER 20	1.0-13	35	34	200	M10 X 1.5P	UM/ER20	E20
BT50 ER 20 250 AD	K10103150182543	50	ER 20	1.0-13	35	34	250	M10 X 1.5P	UM/ER20	E20
BT50 ER 20 300 AD	K10103150183543	50	ER 20	1.0-13	35	34	300	M10 X 1.5P	UM/ER20	E20
BT50 ER 20 350 AD	K10103150184543	50	ER 20	1.0-13	35	34	350	M10 X 1.5P	UM/ER20	E20
BT50 ER 20 400 AD	K10103150540543	50	ER 20	1.0-13	35	34	400	M10 X 1.5P	UM/ER20	E20
BT50 ER 25 200 AD	K10103151239543	50	ER 25	1.0-16	42	40	200	M16 X 2P	UM/ER25	E25
BT50 ER 25 250 AD	K10103635182543	50	ER 25	1.0-16	42	40	250	M16 X 2P	UM/ER25	E25
BT50 ER 25 300 AD	K10103635183543	50	ER 25	1.0-16	42	40	300	M16 X 2P	UM/ER25	E25
BT50 ER 25 350 AD	K10103635184543	50	ER 25	1.0-16	42	40	350	M16 X 2P	UM/ER25	E25
BT50 ER 25 400 AD	K10103635540543	50	ER 25	1.0-16	42	40	400	M16 X 2P	UM/ER25	E25
BT50 ER 32 200 AD	K10103152239543	50	ER 32	2.0-20	50	48	200	M16 X 2P	UM/ER32	E32
BT50 ER 32 250 AD	K10103152182543	50	ER 32	2.0-20	50	48	250	M16 X 2P	UM/ER32	E32
BT50 ER 32 300 AD	K10103152183543	50	ER 32	2.0-20	50	48	300	M16 X 2P	UM/ER32	E32
BT50 ER 32 350 AD	K10103152184543	50	ER 32	2.0-20	50	48	350	M16 X 2P	UM/ER32	E32
BT50 ER 32 400 AD	K10103152540543	50	ER 32	2.0-20	50	48	400	M16 X 2P	UM/ER32	E32
BT50 ER 40 200 AD	K10103153239543	50	ER 40	3.0-26	63	60	200	M16 X 2P	UM/ER40	E40
BT50 ER 40 250 AD	K10103153182543	50	ER 40	3.0-26	63	60	250	M16 X 2P	UM/ER40	E40
BT50 ER 40 300 AD	K10103153183543	50	ER 40	3.0-26	63	60	300	M16 X 2P	UM/ER40	E40
BT50 ER 40 350 AD	K10103153184543	50	ER 40	3.0-26	63	60	350	M16 X 2P	UM/ER40	E40
BT50 ER 40 400 AD	K10103153540543	50	ER 40	3.0-26	63	60	400	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



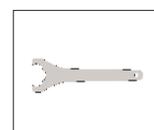
ER NUT



ER STOPPER SCREW



SEALING DISC



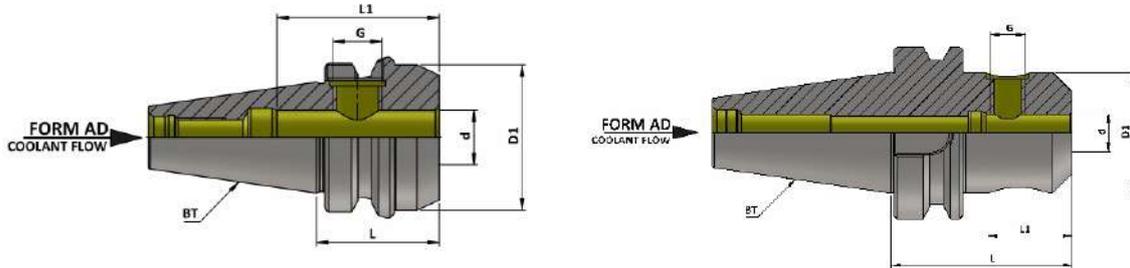
SPANNER E

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holders (DIN-6359) WE (AD) (JD)

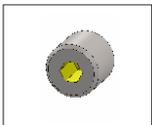


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT30 WE06 035 AD/2.5G 25000 SL	K10101111104228	30	6	25	-	M6	35	34	-	1	
BT30 WE06 050 AD/2.5G 25000 SL	K10101111111110	30	6	25	-	M6	50	34	-	1	
BT30 WE08 035 AD/2.5G 25000 SL	K10101670527555	30	8	28	-	M8	35	34	-	1	
BT30 WE08 050 AD/2.5G 25000 SL	K10101112111110	30	8	28	-	M8	50	34	-	1	
BT30 WE10 035 AD/2.5G 25000 SL	K10101113104228	30	10	35	-	M10	35	40	-	1	
BT30 WE10 050 AD/2.5G 25000 SL	K10101113111110	30	10	35	-	M10	50	40	-	1	
BT30 WE12 035 AD/2.5G 25000 SL	K10101114104228	30	12	42	-	M12	35	46	-	1	
BT30 WE12 055 AD/2.5G 25000 SL	K10101114115110	30	12	42	-	M12	55	46	-	1	
BT30 WE14 035 AD/2.5G 25000 SL	K10101258104228	30	14	42	-	M12	35	46	-	1	
BT30 WE14 055 AD/2.5G 25000 SL	K10101258115110	30	14	44	-	M12	55	46	-	1	
BT30 WE16 035 AD/2.5G 25000 SL	K10101632527555	30	16	42	-	M14	35	48	-	1	
BT30 WE16 063 AD/2.5G 25000 SL	K10101115119228	30	16	48	-	M14	63	48	-	1	
BT30 WE18 035 AD/2.5G 25000 SL	K10101259104228	30	18	42	-	M14	35	48	-	1	
BT30 WE18 063 AD/2.5G 25000 SL	K10101259119228	30	18	50	-	M14	63	48	-	1	
BT30 WE20 035 AD/2.5G 25000 SL	K10101116104228	30	20	42	-	M16	35	52	-	1	
BT30 WE20 070 AD/2.5G 25000 SL	K10101116125228	30	20	52	-	M16	70	52	-	1	

Accessories:



LOCKING SCREW WN

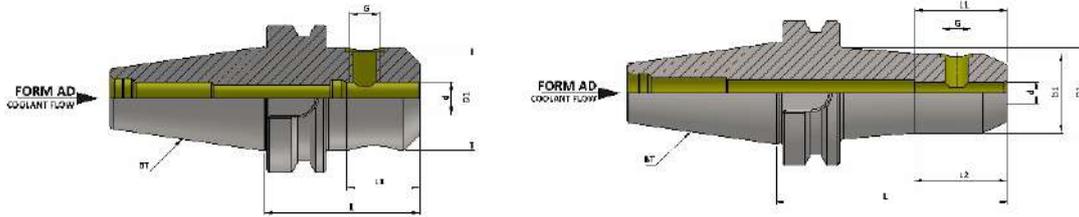
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holders (DIN-6359) WE (AD) (JD)

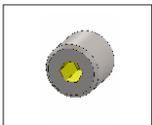


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE06 050 AD/2.5G 25000 SL	K10102111111110	40	6	25	-	M6	50	34	-	1	
BT40 WE06 100 AD/2.5G 25000 SL	K10102111148110	40	6	25	36	M6	100	34	40	1	
BT40 WE06 130 AD/2.5G 25000 SL	K10102669165110	40	6	25	36	M6	130	34	50	1	
BT40 WE06 160 AD/2.5G 25000 SL	K10102111175110	40	6	25	36	M6	160	34	80	1	
BT40 WE08 050 AD/2.5G 25000 SL	K10102112111110	40	8	28	-	M8	50	34	-	1	
BT40 WE08 100 AD/2.5G 25000 SL	K10102112148110	40	8	28	38	M8	100	34	40	1	
BT40 WE08 130 AD/2.5G 25000 SL	K10102670165110	40	8	28	40	M8	130	34	50	1	
BT40 WE08 160 AD/2.5G 25000 SL	K10102112175110	40	8	28	40	M8	160	34	80	1	
BT40 WE10 063 AD/2.5G 25000 SL	K10102113119110	40	10	35	-	M10	63	40	-	1	
BT40 WE10 100 AD/2.5G 25000 SL	K10102113148110	40	10	35	40	M10	100	40	40	1	
BT40 WE10 130 AD/2.5G 25000 SL	K10102674165110	40	10	35	40	M10	130	40	50	1	
BT40 WE10 160 AD/2.5G 25000 SL	K10102113175110	40	10	35	40	M10	160	40	80	1	
BT40 WE12 063 AD/2.5G 25000 SL	K10102114119110	40	12	42	-	M12	63	46	-	1	
BT40 WE12 100 AD/2.5G 25000 SL	K10102114148110	40	12	42	-	M12	100	46	-	1	
BT40 WE12 130 AD/2.5G 25000 SL	K10102672165110	40	12	42	-	M12	130	46	-	1	
BT40 WE12 160 AD/2.5G 25000 SL	K10102114175110	40	12	42	-	M12	160	46	-	1	
BT40 WE14 063 AD/2.5G 25000 SL	K10102258119110	40	14	44	-	M12	63	46	-	1	
BT40 WE14 100 AD/2.5G 25000 SL	K10102258148110	40	14	44	-	M12	100	46	-	1	
BT40 WE14 130 AD/2.5G 25000 SL	K10102675165110	40	14	44	-	M12	130	46	-	1	
BT40 WE14 160 AD/2.5G 25000 SL	K10102258175110	40	14	44	-	M12	160	46	-	1	
BT40 WE16 063 AD/2.5G 25000 SL	K10102115119110	40	16	48	-	M14	63	48	-	1	
BT40 WE16 100 AD/2.5G 25000 SL	K10102115148110	40	16	48	-	M14	100	48	-	1	
BT40 WE16 130 AD/2.5G 25000 SL	K10102632165110	40	16	48	-	M14	130	48	-	1	
BT40 WE16 160 AD/2.5G 25000 SL	K10102115175110	40	16	48	-	M14	160	48	-	1	

Accessories:



LOCKING SCREW WN

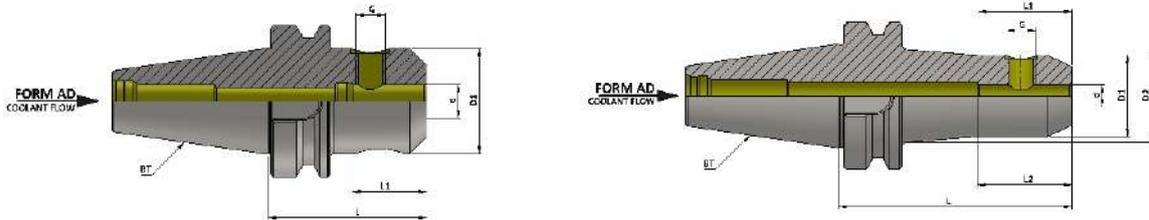
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holders (DIN-6359) WE (AD) (JD)

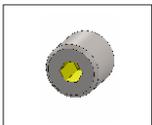


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE18 063 AD/2.5G 25000 SL	K10102259119110	40	18	50	-	M14	63	48	-	1	
BT40 WE18 100 AD/2.5G 25000 SL	K10102259148110	40	18	50	-	M14	100	48	-	1	
BT40 WE18 130 AD/2.5G 25000 SL	K10102676165110	40	18	50	-	M14	130	48	-	1	
BT40 WE18 160 AD/2.5G 25000 SL	K10102259175110	40	18	50	-	M14	160	48	-	1	
BT40 WE20 063 AD/2.5G 25000 SL	K10102116119110	40	20	52	-	M16	63	52	-	1	
BT40 WE20 100 AD/2.5G 25000 SL	K10102116148110	40	20	52	-	M16	100	52	-	1	
BT40 WE20 130 AD/2.5G 25000 SL	K10102633165110	40	20	52	-	M16	130	52	-	1	
BT40 WE20 160 AD/2.5G 25000 SL	K10102116175110	40	20	52	-	M16	160	52	-	1	
BT40 WE25 090 AD/2.5G 25000 SL	K10102117140110	40	25	65	-	M18X2	90	56	-	2	
BT40 WE25 130 AD/2.5G 25000 SL	K10102673165110	40	25	65	-	M18X2	130	56	-	2	
BT40 WE25 160 AD/2.5G 25000 SL	K10102117175110	40	25	65	-	M18X2	160	56	-	2	
BT40 WE32 100 AD/2.5G 25000 SL	K10102118148110	40	32	72	-	M20X2	100	60	-	2	
BT40 WE32 130 AD/2.5G 25000 SL	K10102677165110	40	32	72	-	M20X2	130	60	-	2	
BT40 WE32 160 AD/2.5G 25000 SL	K10102118175110	40	32	72	-	M20X2	160	60	-	2	
BT40 WE40 105 AD/2.5G 25000 SL	K10102119152110	40	40	80	-	M20X2	105	70	-	2	
BT40 WE40 130 AD/2.5G 25000 SL	K10345662627563	40	40	80	-	M20X2	130	70	-	2	
BT40 WE40 160 AD/2.5G 25000 SL	K10102119175110	40	40	80	-	M20X2	160	70	-	2	

Accessories:



LOCKING SCREW WN

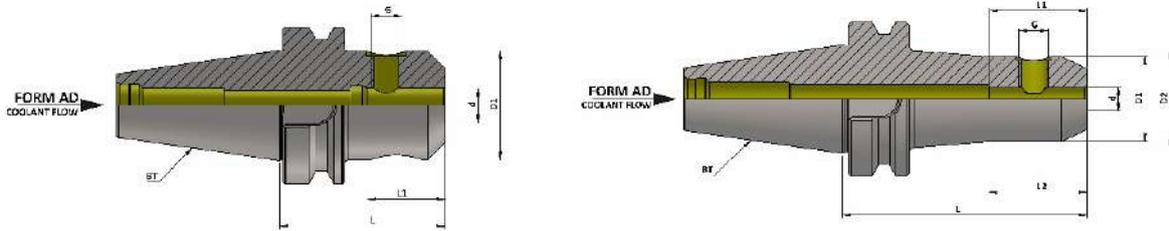
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holders (DIN-6359) WE (AD) (JD)

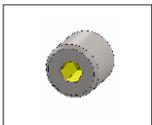


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QT	
BT50 WE06 063 AD/2.5G 25000 SL	K10103111119110	50	6	25	-	M6	63	34	-	1	
BT50 WE06 100 AD/2.5G 25000 SL	K10103111148110	50	6	25	36	M6	100	34	35	1	
BT50 WE06 130 AD/2.5G 25000 SL	K10103669165110	50	6	25	43	M6	130	34	50	1	
BT50 WE06 160 AD/2.5G 25000 SL	K10103111175110	50	6	25	43	M6	160	34	80	1	
BT50 WE08 063 AD/2.5G 25000 SL	K10103112119110	50	8	28	-	M8	63	34	-	1	
BT50 WE08 100 AD/2.5G 25000 SL	K10103112148110	50	8	28	38	M8	100	34	35	1	
BT50 WE08 130 AD/2.5G 25000 SL	K10103670165110	50	8	28	46	M8	130	34	50	1	
BT50 WE08 160 AD/2.5G 25000 SL	K10103112175110	50	8	28	46	M8	160	34	80	1	
BT50 WE10 080 AD/2.5G 25000 SL	K10103113125110	50	10	35	-	M10	80	40	-	1	
BT50 WE10 100 AD/2.5G 25000 SL	K10103113148110	50	10	35	42	M10	100	40	35	1	
BT50 WE10 130 AD/2.5G 25000 SL	K10103674165110	50	10	35	49	M10	130	40	50	1	
BT50 WE10 160 AD/2.5G 25000 SL	K10103113175110	50	10	35	49	M10	160	40	80	1	
BT50 WE12 080 AD/2.5G 25000 SL	K10103114131110	50	12	42	-	M12	80	46	-	1	
BT50 WE12 100 AD/2.5G 25000 SL	K10103114148110	50	12	42	48	M12	100	46	35	1	
BT50 WE12 130 AD/2.5G 25000 SL	K10103672165110	50	12	42	55	M12	130	46	50	1	
BT50 WE12 160 AD/2.5G 25000 SL	K10103114175110	50	12	42	55	M12	160	46	80	1	
BT50 WE14 080 AD/2.5G 25000 SL	K10103258131110	50	14	44	-	M12	80	46	-	1	
BT50 WE14 100 AD/2.5G 25000 SL	K10103258148110	50	14	44	50	M12	100	46	35	1	
BT50 WE14 130 AD/2.5G 25000 SL	K10103675165110	50	14	44	56	M12	130	46	50	1	
BT50 WE14 160 AD/2.5G 25000 SL	K10103258175110	50	14	44	56	M12	160	46	80	1	
BT50 WE16 080 AD/2.5G 25000 SL	K10103115131110	50	16	48	-	M14	80	48	-	1	
BT50 WE16 100 AD/2.5G 25000 SL	K10103115148110	50	16	48	54	M14	100	48	35	1	
BT50 WE16 130 AD/2.5G 25000 SL	K10103632165110	50	16	48	60	M14	130	48	50	1	
BT50 WE16 160 AD/2.5G 25000 SL	K10103115175110	50	16	48	60	M14	160	48	80	1	

Accessories:



LOCKING SCREW WN

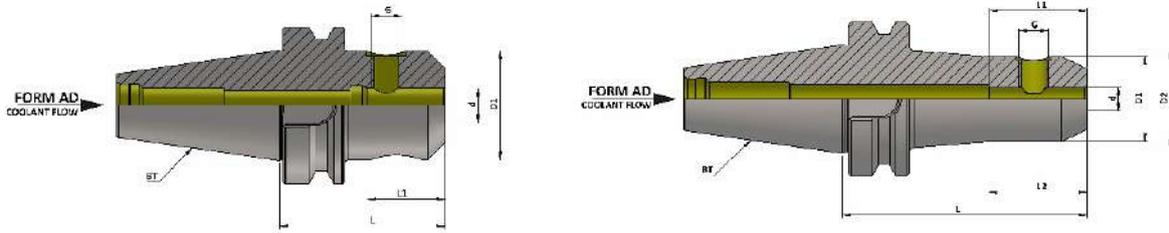
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holders (DIN-6359) WE (AD) (JD)

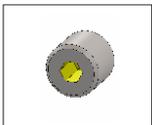


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QT	
BT50 WE18 080 AD/2.5G 25000 SL	K10103259131110	50	18	50	-	M14	80	48	-	1	
BT50 WE18 100 AD/2.5G 25000 SL	K10103259148110	50	18	50	62	M14	100	48	35	1	
BT50 WE18 130 AD/2.5G 25000 SL	K10103676165110	50	18	50	62	M14	130	48	50	1	
BT50 WE18 160 AD/2.5G 25000 SL	K10103259175110	50	18	50	62	M14	160	48	80	1	
BT50 WE20 080 AD/2.5G 25000 SL	K10103116131110	50	20	52	-	M16	80	52	-	1	
BT50 WE20 100 AD/2.5G 25000 SL	K10103116148110	50	20	52	65	M16	100	52	35	1	
BT50 WE20 130 AD/2.5G 25000 SL	K10103633165110	50	20	52	66	M16	130	52	50	1	
BT50 WE20 160 AD/2.5G 25000 SL	K10103116175110	50	20	52	66	M16	160	52	80	1	
BT50 WE25 100 AD/2.5G 25000 SL	K10103117148110	50	25	65	-	M18X2	100	56	-	2	
BT50 WE25 130 AD/2.5G 25000 SL	K10103673165110	50	25	65	-	M18X2	130	56	-	2	
BT50 WE25 160 AD/2.5G 25000 SL	K10103117175110	50	25	65	-	M18X2	160	56	-	2	
BT50 WE32 105 AD/2.5G 25000 SL	K10103118152110	50	32	72	-	M20X2	105	60	-	2	
BT50 WE32 130 AD/2.5G 25000 SL	K10103677165110	50	32	72	-	M20X2	130	60	-	2	
BT50 WE32 160 AD/2.5G 25000 SL	K10103118175110	50	32	72	-	M20X2	160	60	-	2	
BT50 WE40 115 AD/2.5G 25000 SL	K10103119159110	50	40	80	-	M20X2	115	70	-	2	
BT50 WE40 130 AD/2.5G 25000 SL	K10103678165110	50	40	80	-	M20X2	130	70	-	2	
BT50 WE40 160 AD/2.5G 25000 SL	K10103119175110	50	40	80	-	M20X2	160	70	-	2	
BT50 WE50 125 AD/2.5G 25000 SL	K10103120164110	50	50	100	-	M24X2	125	80	-	2	

Accessories:



LOCKING SCREW WN

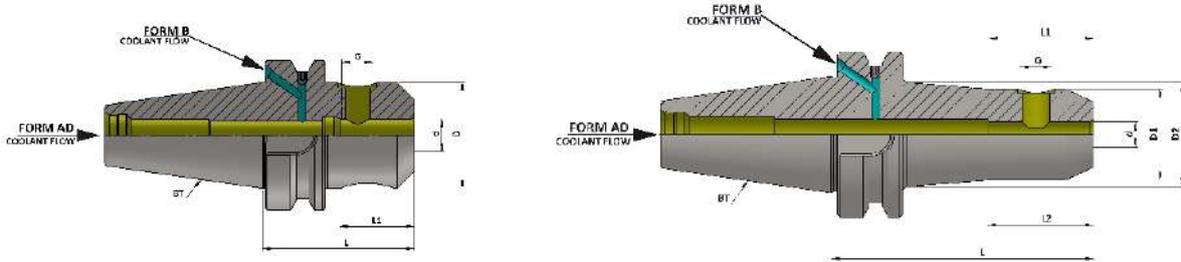
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (DIN 6359) (WE) (AD+B) (JD/JF)

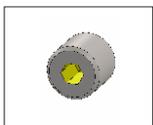


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE) (AD+B) (JD/JF)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE06 050 AD+B/2.5G 25000 SL	K10102669111280	40	6	25	-	M6	50	34	-	1	
BT40 WE06 100 AD+B/2.5G 25000 SL	K10102669148280	40	6	25	36	M6	100	34	40	1	
BT40 WE06 130 AD+B/2.5G 25000 SL	K10102669165280	40	6	25	36	M6	130	34	50	1	
BT40 WE06 160 AD+B/2.5G 25000 SL	K10102669175280	40	6	25	36	M6	160	34	80	1	
BT40 WE08 050 AD+B/2.5G 25000 SL	K10102670111280	40	8	28	-	M8	50	34	-	1	
BT40 WE08 100 AD+B/2.5G 25000 SL	K10102670148230	40	8	28	38	M8	100	34	40	1	
BT40 WE08 130 AD+B/2.5G 25000 SL	K10102670165280	40	8	28	40	M8	130	34	50	1	
BT40 WE08 160 AD+B/2.5G 25000 SL	K10102670175280	40	8	28	40	M8	160	34	80	1	
BT40 WE10 063 AD+B/2.5G 25000 SL	K10102674563230	40	10	35	-	M10	63	40	-	1	
BT40 WE10 100 AD+B/2.5G 25000 SL	K10102674148230	40	10	35	40	M10	100	40	40	1	
BT40 WE10 130 AD+B/2.5G 25000 SL	K10102674165280	40	10	35	40	M10	130	40	50	1	
BT40 WE10 160 AD+B/2.5G 25000 SL	K10102674175280	40	10	35	40	M10	160	40	80	1	
BT40 WE12 063 AD+B/2.5G 25000 SL	K10102672563230	40	12	42	-	M12	63	46	-	1	
BT40 WE12 100 AD+B/2.5G 25000 SL	K10102672148230	40	12	42	-	M12	100	46	-	1	
BT40 WE12 130 AD+B/2.5G 25000 SL	K10102672165280	40	12	42	-	M12	130	46	-	1	
BT40 WE12 160 AD+B/2.5G 25000 SL	K10102672175280	40	12	42	-	M12	160	46	-	1	
BT40 WE14 063 AD+B/2.5G 25000 SL	K10102258119112	40	14	44	-	M12	63	46	-	1	
BT40 WE14 100 AD+B/2.5G 25000 SL	K10102258148112	40	14	44	-	M12	100	46	-	1	
BT40 WE14 130 AD+B/2.5G 25000 SL	K10102675165280	40	14	44	-	M12	130	46	-	1	
BT40 WE14 160 AD+B/2.5G 25000 SL	K10102258175112	40	14	44	-	M12	160	46	-	1	

Accessories:



LOCKING SCREW WN

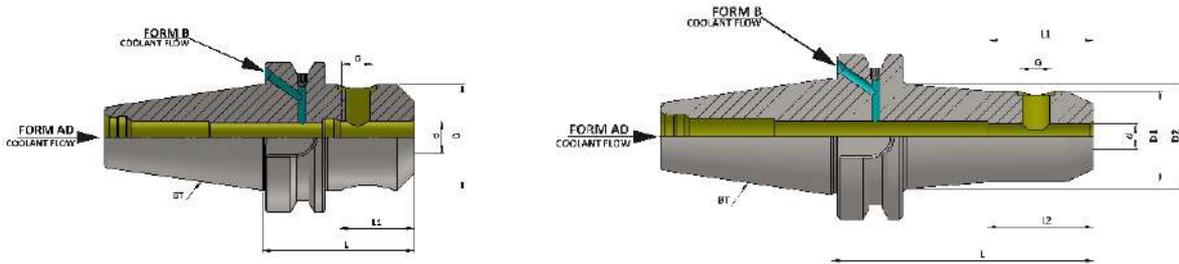
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (DIN 6359) (WE) (AD+B) (JD/JF)

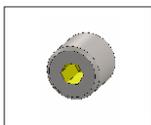


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE) (AD+B) (JD/JF)								(Balanced to 2.5 G 25000 RPM)			
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE16 063 AD+B/2.5G 25000 SL	K10102632563230	40	16	48	-	M14	63	48	-	1	
BT40 WE16 100 AD+B/2.5G 25000 SL	K10102632148280	40	16	48	-	M14	100	48	-	1	
BT40 WE16 130 AD+B/2.5G 25000 SL	K10102632165280	40	16	48	-	M14	130	48	-	1	
BT40 WE16 160 AD+B/2.5G 25000 SL	K10102632175280	40	16	48	-	M14	160	48	-	1	
BT40 WE18 063 AD+B/2.5G 25000 SL	K10102259119112	40	18	50	-	M14	63	48	-	1	
BT40 WE18 100 AD+B/2.5G 25000 SL	K10102259148112	40	18	50	-	M14	100	48	-	1	
BT40 WE18 130 AD+B/2.5G 25000 SL	K10102676165280	40	18	50	-	M14	130	48	-	1	
BT40 WE18 160 AD+B/2.5G 25000 SL	K10102259175112	40	18	50	-	M14	160	48	-	1	
BT40 WE20 063 AD+B/2.5G 25000 SL	K10102633563230	40	20	52	-	M16	63	52	-	1	
BT40 WE20 100 AD+B/2.5G 25000 SL	K10102633148230	40	20	52	-	M16	100	52	-	1	
BT40 WE20 130 AD+B/2.5G 25000 SL	K10102633165280	40	20	52	-	M16	130	52	-	1	
BT40 WE20 160 AD+B/2.5G 25000 SL	K10102633175230	40	20	52	-	M16	160	52	-	1	
BT40 WE25 090 AD+B/2.5G 25000 SL	K10102117140112	40	25	65	-	M18x2	90	56	-	2	
BT40 WE25 130 AD+B/2.5G 25000 SL	K10102673175280	40	25	65	-	M18x2	130	56	-	2	
BT40 WE25 160 AD+B/2.5G 25000 SL	K10102673175230	40	25	65	-	M18x2	160	56	-	2	
BT40 WE32 100 AD+B/2.5G 25000 SL	K10102677148280	40	32	72	-	M20x2	100	60	-	2	
BT40 WE32 130 AD+B/2.5G 25000 SL	K10102677165280	40	32	72	-	M20x2	130	60	-	2	
BT40 WE32 160 AD+B/2.5G 25000 SL	K10102118175112	40	32	72	-	M20x2	160	60	-	2	
BT40 WE40 105 AD+B/2.5G 25000 SL	K10102119152112	40	40	80	-	M20x2	105	70	-	2	
BT40 WE40 130 AD+B/2.5G 25000 SL	K10102678165280	40	40	80	-	M20x2	130	70	-	2	
BT40 WE40 160 AD+B/2.5G 25000 SL	K10102119175112	40	40	80	-	M20x2	160	70	-	2	

Accessories:



LOCKING SCREW WN

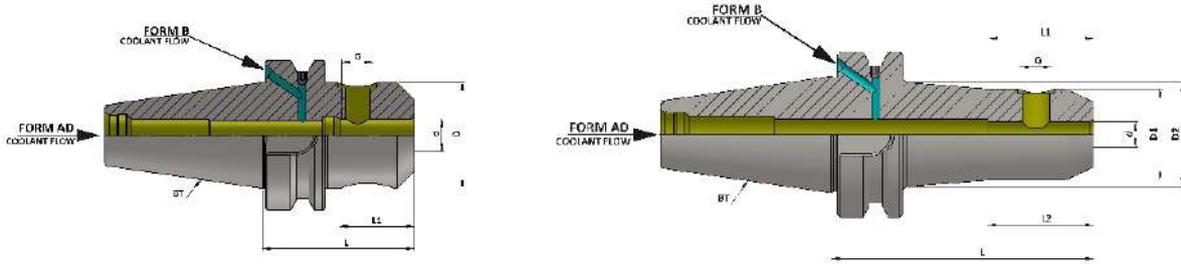
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (DIN 6359) (WE) (AD+B) (JD/JF)

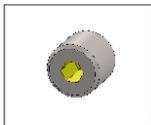


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE) (AD+B) (JD/JF)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT50 WE06 063 AD+B/2.5G 25000 SL	K10103669563230	50	6	25	-	M6	63	34	-	1	
BT50 WE06 100 AD+B/2.5G 25000 SL	K10103669148283	50	6	25	36	M6	100	34	35	1	
BT50 WE06 130 AD+B/2.5G 25000 SL	K10103669165280	50	6	25	43	M6	130	34	50	1	
BT50 WE06 160 AD+B/2.5G 25000 SL	K10103669175230	50	6	25	43	M6	160	34	80	1	
BT50 WE08 063 AD+B/2.5G 25000 SL	K10103670563230	50	8	28	-	M8	63	34	-	1	
BT50 WE08 100 AD+B/2.5G 25000 SL	K10103670148280	50	8	28	38	M8	100	34	35	1	
BT50 WE08 130 AD+B/2.5G 25000 SL	K10103670165280	50	8	28	46	M8	130	34	50	1	
BT50 WE08 160 AD+B/2.5G 25000 SL	K10103670175230	50	8	28	46	M8	160	34	80	1	
BT50 WE10 080 AD+B/2.5G 25000 SL	K10103113125112	50	10	35	-	M10	80	40	-	1	
BT50 WE10 100 AD+B/2.5G 25000 SL	K10103674148280	50	10	35	42	M10	100	40	35	1	
BT50 WE10 130 AD+B/2.5G 25000 SL	K10103674165280	50	10	35	49	M10	130	40	50	1	
BT50 WE10 160 AD+B/2.5G 25000 SL	K10103674175230	50	10	35	49	M10	160	40	80	1	
BT50 WE12 080 AD+B/2.5G 25000 SL	K10103672131280	50	12	42	-	M12	80	46	-	1	
BT50 WE12 100 AD+B/2.5G 25000 SL	K10103672148230	50	12	42	48	M12	100	46	35	1	
BT50 WE12 130 AD+B/2.5G 25000 SL	K10103672165280	50	12	42	55	M12	130	46	50	1	
BT50 WE12 160 AD+B/2.5G 25000 SL	K10103672175230	50	12	42	55	M12	160	46	80	1	
BT50 WE14 080 AD+B/2.5G 25000 SL	K10103258131112	50	14	44	-	M12	80	46	-	1	
BT50 WE14 100 AD+B/2.5G 25000 SL	K10103258148112	50	14	44	50	M12	100	46	35	1	
BT50 WE14 130 AD+B/2.5G 25000 SL	K10103675165280	50	14	44	56	M12	130	46	50	1	
BT50 WE14 160 AD+B/2.5G 25000 SL	K10103258175112	50	14	44	56	M12	160	46	80	1	

Accessories:



LOCKING SCREW WN

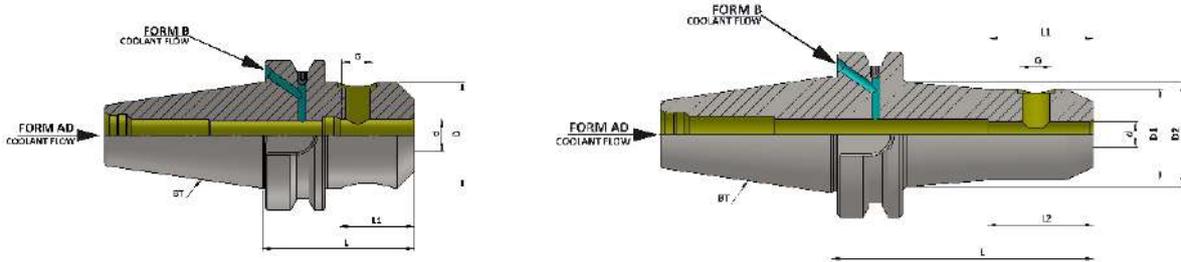
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (DIN 6359) (WE) (AD+B) (JD/JF)

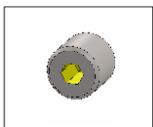


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE) (AD+B) (JD/JF)								(Balanced to 2.5 G 25000 RPM)			
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT50 WE16 080 AD+B/2.5G 25000 SL	K10103632131230	50	16	48	-	M14	80	48	-	1	
BT50 WE16 100 AD+B/2.5G 25000 SL	K10103632148280	50	16	48	54	M14	100	48	35	1	
BT50 WE16 130 AD+B/2.5G 25000 SL	K10103632165280	50	16	48	60	M14	130	48	50	1	
BT50 WE16 160 AD+B/2.5G 25000 SL	K10103632175280	50	16	48	60	M14	160	48	80	1	
BT50 WE18 080 AD+B/2.5G 25000 SL	K10103259131112	50	18	50	-	M14	80	48	-	1	
BT50 WE18 100 AD+B/2.5G 25000 SL	K10103259148112	50	18	50	62	M14	100	48	35	1	
BT50 WE18 130 AD+B/2.5G 25000 SL	K10103676165280	50	18	50	62	M14	130	48	50	1	
BT50 WE18 160 AD+B/2.5G 25000 SL	K10103259175112	50	18	50	62	M14	160	48	80	1	
BT50 WE20 080 AD+B/2.5G 25000 SL	K10103633131280	50	20	52	-	M16	80	52	-	1	
BT50 WE20 100 AD+B/2.5G 25000 SL	K10103633148230	50	20	52	65	M16	100	52	35	1	
BT50 WE20 130 AD+B/2.5G 25000 SL	K10103633165280	50	20	52	66	M16	130	52	50	1	
BT50 WE20 160 AD+B/2.5G 25000 SL	K10103633175230	50	20	52	66	M16	160	52	80	1	
BT50 WE25 100 AD+B/2.5G 25000 SL	K10103673148280	50	25	65	-	M18x2	100	56	-	2	
BT50 WE25 130 AD+B/2.5G 25000 SL	K10102673165280	50	25	65	-	M18x2	130	56	-	2	
BT50 WE25 160 AD+B/2.5G 25000 SL	K10103673175230	50	25	65	-	M18x2	160	56	-	2	
BT50 WE32 105 AD+B/2.5G 25000 SL	K10103118152112	50	32	72	-	M20x2	105	60	-	2	
BT50 WE32 130 AD+B/2.5G 25000 SL	K10103677165280	50	32	72	-	M20x2	130	60	-	2	
BT50 WE32 160 AD+B/2.5G 25000 SL	K10103677175230	50	32	72	-	M20x2	160	60	-	2	
BT50 WE40 115 AD+B/2.5G 25000 SL	K10103678156280	50	40	80	-	M20x2	115	70	-	2	
BT50 WE40 130 AD+B/2.5G 25000 SL	K10103678165280	50	40	80	-	M20x2	130	70	-	2	
BT50 WE40 160 AD+B/2.5G 25000 SL	K10103119175112	50	40	80	-	M20x2	160	70	-	2	
BT50 WE50 125 AD+B/2.5G 25000 SL	K10103120164112	50	50	100	-	M24x2	125	80	-	2	

Accessories:



LOCKING SCREW WN

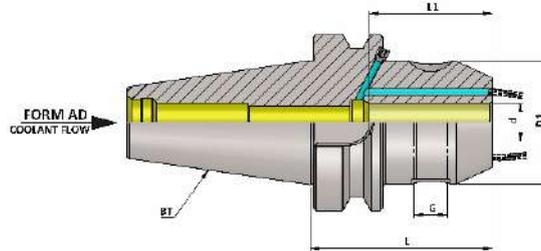
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE:FCC) (AD) (JD)

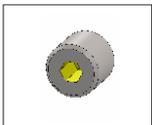


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE:FCC) (AD) (JD)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT30 WE06 050 FCC AD/2.5G 25000 SL	K10101111111262	30	6	25	-	M6	50	34	-	1	
BT30 WE08 050 FCC AD/2.5G 25000 SL	K10101112111262	30	8	28	-	M8	50	34	-	1	
BT30 WE10 050 FCC AD/2.5G 25000 SL	K10101113111262	30	10	35	-	M10	50	40	-	1	
BT30 WE12 055 FCC AD/2.5G 25000 SL	K10101114115262	30	12	42	-	M12	55	46	-	1	
BT30 WE14 055 FCC AD/2.5G 25000 SL	K10101258115262	30	14	44	-	M12	55	46	-	1	
BT30 WE16 063 FCC AD/2.5G 25000 SL	K10101115563262	30	16	48	-	M14	63	48	-	1	
BT30 WE18 063 FCC AD/2.5G 25000 SL	K10101259563262	30	18	50	-	M14	63	48	-	1	
BT30 WE20 070 FCC AD/2.5G 25000 SL	K10101116125262	30	20	52	-	M16	70	52	-	1	

Accessories:



LOCKING SCREW WN

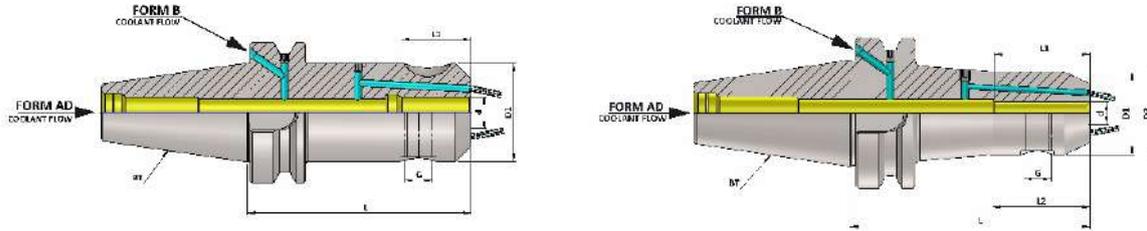
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE:FCC) (AD+B) (JD/JF)

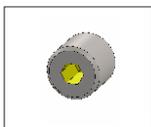


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE:FCC) (AD+B) (JD/JF)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE06 050 FCC AD+B/2.5G 25000 SL	K10102111111263	40	6	25	-	M6	50	34	-	1	
BT40 WE06 100 FCC AD+B/2.5G 25000 SL	K10102111148263	40	6	25	36	M6	100	34	40	1	
BT40 WE06 130 FCC AD+B/2.5G 25000 SL	K10102669165255	40	6	25	36	M6	130	34	50	1	
BT40 WE06 160 FCC AD+B/2.5G 25000 SL	K10102111175263	40	6	25	36	M6	160	34	80	1	
BT40 WE08 050 FCC AD+B/2.5G 25000 SL	K10102112111263	40	8	28	-	M8	50	34	-	1	
BT40 WE08 100 FCC AD+B/2.5G 25000 SL	K10102112148263	40	8	28	38	M8	100	34	40	1	
BT40 WE08 130 FCC AD+B/2.5G 25000 SL	K10102670165255	40	8	28	40	M8	130	34	50	1	
BT40 WE08 160 FCC AD+B/2.5G 25000 SL	K10102112175263	40	8	28	40	M8	160	34	80	1	
BT40 WE10 063 FCC AD+B/2.5G 25000 SL	K10102113563263	40	10	35	-	M10	63	40	-	1	
BT40 WE10 100 FCC AD+B/2.5G 25000 SL	K10102113148263	40	10	35	40	M10	100	40	40	1	
BT40 WE10 130 FCC AD+B/2.5G 25000 SL	K10102674165255	40	10	35	40	M10	130	40	50	1	
BT40 WE10 160 FCC AD+B/2.5G 25000 SL	K10102113175263	40	10	35	40	M10	160	40	80	1	
BT40 WE12 063 FCC AD+B/2.5G 25000 SL	K10102114563263	40	12	42	-	M12	63	46	-	1	
BT40 WE12 100 FCC AD+B/2.5G 25000 SL	K10102114148263	40	12	42	-	M12	100	46	-	1	
BT40 WE12 130 FCC AD+B/2.5G 25000 SL	K10102672165255	40	12	42	-	M12	130	46	-	1	
BT40 WE12 160 FCC AD+B/2.5G 25000 SL	K10102114175263	40	12	42	-	M12	160	46	-	1	
BT40 WE14 063 FCC AD+B/2.5G 25000 SL	K10102258563263	40	14	44	-	M12	63	46	-	1	
BT40 WE14 100 FCC AD+B/2.5G 25000 SL	K10102258148263	40	14	44	-	M12	100	46	-	1	
BT40 WE14 130 FCC AD+B/2.5G 25000 SL	K10102675165255	40	14	44	-	M12	130	46	-	1	
BT40 WE14 160 FCC AD+B/2.5G 25000 SL	K10102258175263	40	14	44	-	M12	160	46	-	1	
BT40 WE16 063 FCC AD+B/2.5G 25000 SL	K10102115563263	40	16	48	-	M14	63	48	-	1	
BT40 WE16 100 FCC AD+B/2.5G 25000 SL	K10102115148263	40	16	48	-	M14	100	48	-	1	
BT40 WE16 130 FCC AD+B/2.5G 25000 SL	K10102632165255	40	16	48	-	M14	130	48	-	1	
BT40 WE16 160 FCC AD+B/2.5G 25000 SL	K10102115175263	40	16	48	-	M14	160	48	-	1	
BT40 WE18 063 FCC AD+B/2.5G 25000 SL	K10102259563263	40	18	50	-	M14	63	48	-	1	
BT40 WE18 100 FCC AD+B/2.5G 25000 SL	K10102259148263	40	18	50	-	M14	100	48	-	1	
BT40 WE18 130 FCC AD+B/2.5G 25000 SL	K10102676165255	40	18	50	-	M14	130	48	-	1	
BT40 WE18 160 FCC AD+B/2.5G 25000 SL	K10102259175263	40	18	50	-	M14	160	48	-	1	

Accessories:



LOCKING SCREW WN

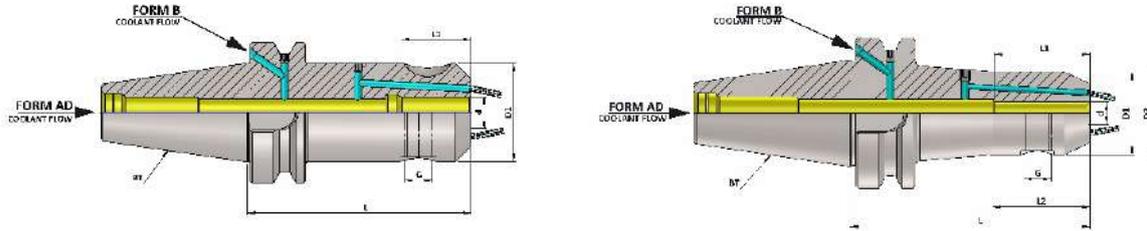
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE:FCC) (AD+B) (JD/JF)

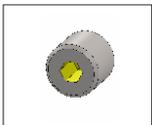


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE:FCC) (AD+B) (JD/JF) (Balanced to 2.5 G 25000 RPM)											
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT40 WE20 063 FCC AD+B/2.5G 25000 SL	K10102116563263	40	20	52	-	M16	63	52	-	1	
BT40 WE20 100 FCC AD+B/2.5G 25000 SL	K10102116148263	40	20	52	-	M16	100	52	-	1	
BT40 WE20 130 FCC AD+B/2.5G 25000 SL	K10102633165255	40	20	52	-	M16	130	52	-	1	
BT40 WE20 160 FCC AD+B/2.5G 25000 SL	K10102116175263	40	20	52	-	M16	160	52	-	1	
BT40 WE25 090 FCC AD+B/2.5G 25000 SL	K10102117140263	40	25	65	-	M18x2	90	56	-	2	
BT40 WE25 130 FCC AD+B/2.5G 25000 SL	K10102673165255	40	25	65	-	M18x2	130	56	-	2	
BT40 WE25 160 FCC AD+B/2.5G 25000 SL	K10102117175263	40	25	65	-	M18x2	160	56	-	2	
BT40 WE32 100 FCC AD+B/2.5G 25000 SL	K10102118148263	40	32	72	-	M20x2	100	60	-	2	
BT40 WE32 130 FCC AD+B/2.5G 25000 SL	K10102677165255	40	32	72	-	M20x2	130	60	-	2	
BT40 WE32 160 FCC AD+B/2.5G 25000 SL	K10102118175263	40	32	72	-	M20x2	160	60	-	2	
BT40 WE40 105 FCC AD+B/2.5G 25000 SL	K10102119152263	40	40	80	-	M20x2	105	70	-	2	
BT40 WE40 130 FCC AD+B/2.5G 25000 SL	K10345662627309	40	40	80	-	M20x2	130	70	-	2	
BT40 WE40 160 FCC AD+B/2.5G 25000 SL	K10102119175263	40	40	80	-	M20x2	160	70	-	2	

Accessories:



LOCKING SCREW WN

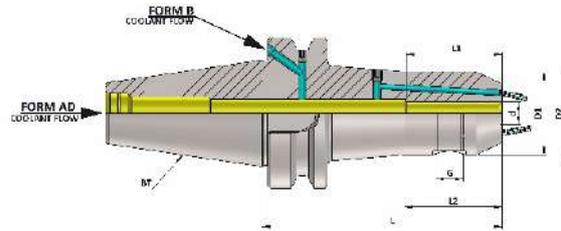
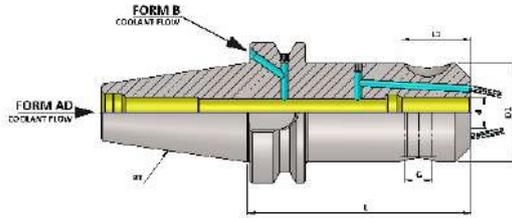
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE:FCC) (AD+B) (JD/JF)

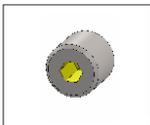


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE:FCC) (AD+B) (JD/JF) (Balanced to 2.5 G 25000 RPM)											
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT50 WE06 063 FCC AD+B/2.5G 25000 SL	K10103111563263	50	6	25	-	M6	63	34	-	1	
BT50 WE06 100 FCC AD+B/2.5G 25000 SL	K10103111148263	50	6	25	36	M6	100	34	35	1	
BT50 WE06 130 FCC AD+B/2.5G 25000 SL	K10103669165255	50	6	25	43	M6	130	34	50	1	
BT50 WE06 160 FCC AD+B/2.5G 25000 SL	K10103111175263	50	6	25	43	M6	160	34	80	1	
BT50 WE08 063 FCC AD+B/2.5G 25000 SL	K10103112563263	50	8	28	-	M8	63	34	-	1	
BT50 WE08 100 FCC AD+B/2.5G 25000 SL	K10103112148263	50	8	28	38	M8	100	34	35	1	
BT50 WE08 130 FCC AD+B/2.5G 25000 SL	K10103670165255	50	8	28	46	M8	130	34	50	1	
BT50 WE08 160 FCC AD+B/2.5G 25000 SL	K10103112175263	50	8	28	46	M8	160	34	80	1	
BT50 WE10 080 FCC AD+B/2.5G 25000 SL	K10103113131263	50	10	35	-	M10	80	40	-	1	
BT50 WE10 100 FCC AD+B/2.5G 25000 SL	K10103113148263	50	10	35	42	M10	100	40	35	1	
BT50 WE10 130 FCC AD+B/2.5G 25000 SL	K10103674165255	50	10	35	49	M10	130	40	50	1	
BT50 WE10 160 FCC AD+B/2.5G 25000 SL	K10103113175263	50	10	35	49	M10	160	40	80	1	
BT50 WE12 080 FCC AD+B/2.5G 25000 SL	K10103114131263	50	12	42	-	M12	80	46	-	1	
BT50 WE12 100 FCC AD+B/2.5G 25000 SL	K10103114148263	50	12	42	48	M12	100	46	35	1	
BT50 WE12 130 FCC AD+B/2.5G 25000 SL	K10103672165255	50	12	42	55	M12	130	46	50	1	
BT50 WE12 160 FCC AD+B/2.5G 25000 SL	K10103114175263	50	12	42	55	M12	160	46	80	1	
BT50 WE14 080 FCC AD+B/2.5G 25000 SL	K10103258131263	50	14	44	-	M12	80	46	-	1	
BT50 WE14 100 FCC AD+B/2.5G 25000 SL	K10103258148263	50	14	44	50	M12	100	46	35	1	
BT50 WE14 130 FCC AD+B/2.5G 25000 SL	K10103675165255	50	14	44	56	M12	130	46	50	1	
BT50 WE14 160 FCC AD+B/2.5G 25000 SL	K10103258175263	50	14	44	56	M12	160	46	80	1	

Accessories:



LOCKING SCREW WN

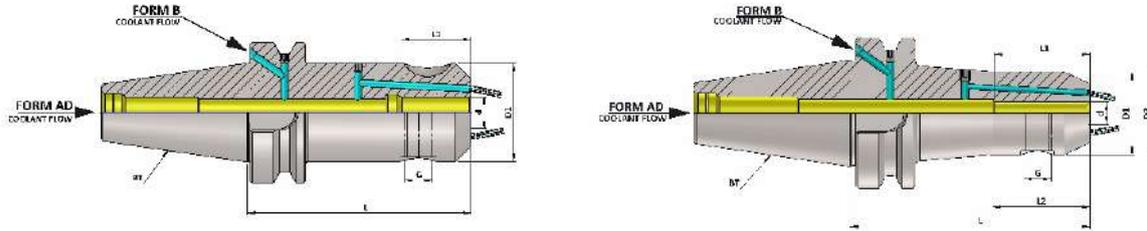
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE:FCC) (AD+B) (JD/JF)

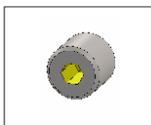


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (WE:FCC) (AD+B) (JD/JF) (Balanced to 2.5 G 25000 RPM)											
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
BT50 WE16 080 FCC AD+B/2.5G 25000 SL	K10103115131263	50	16	48	-	M14	80	48	-	1	
BT50 WE16 100 FCC AD+B/2.5G 25000 SL	K10103115148263	50	16	48	54	M14	100	48	35	1	
BT50 WE16 130 FCC AD+B/2.5G 25000 SL	K10103632165255	50	16	48	60	M14	130	48	50	1	
BT50 WE16 160 FCC AD+B/2.5G 25000 SL	K10103115175263	50	16	48	60	M14	160	48	80	1	
BT50 WE18 080 FCC AD+B/2.5G 25000 SL	K10103259131263	50	18	50	-	M14	80	48	-	1	
BT50 WE18 100 FCC AD+B/2.5G 25000 SL	K10103259148263	50	18	50	62	M14	100	48	35	1	
BT50 WE18 130 FCC AD+B/2.5G 25000 SL	K10103676165255	50	18	50	62	M14	130	48	50	1	
BT50 WE18 160 FCC AD+B/2.5G 25000 SL	K10103259175263	50	18	50	62	M14	160	48	80	1	
BT50 WE20 080 FCC AD+B/2.5G 25000 SL	K10103116131263	50	20	52	-	M16	80	52	-	1	
BT50 WE20 100 FCC AD+B/2.5G 25000 SL	K10103116148263	50	20	52	65	M16	100	52	35	1	
BT50 WE20 130 FCC AD+B/2.5G 25000 SL	K10103633165255	50	20	52	66	M16	130	52	50	1	
BT50 WE20 160 FCC AD+B/2.5G 25000 SL	K10103116175263	50	20	52	66	M16	160	52	80	1	
BT50 WE25 100 FCC AD+B/2.5G 25000 SL	K10103117148263	50	25	65	-	M18x2	100	56	-	2	
BT50 WE25 130 FCC AD+B/2.5G 25000 SL	K10103673165255	50	25	65	-	M18x2	130	56	-	2	
BT50 WE25 160 FCC AD+B/2.5G 25000 SL	K10103117175263	50	25	65	-	M18x2	160	56	-	2	
BT50 WE32 105 FCC AD+B/2.5G 25000 SL	K10103118152263	50	32	72	-	M20x2	105	60	-	2	
BT50 WE32 130 FCC AD+B/2.5G 25000 SL	K10103677165255	50	32	72	-	M20x2	130	60	-	2	
BT50 WE32 160 FCC AD+B/2.5G 25000 SL	K10103118175263	50	32	72	-	M20x2	160	60	-	2	
BT50 WE40 115 FCC AD+B/2.5G 25000 SL	K10103119159263	50	40	80	-	M20x2	115	70	-	2	
BT50 WE40 130 FCC AD+B/2.5G 25000 SL	K10103678165255	50	40	80	-	M20x2	130	70	-	2	
BT50 WE40 160 FCC AD+B/2.5G 25000 SL	K10103119175263	50	40	80	-	M20x2	160	70	-	2	
BT50 WE50 125 FCC AD+B/2.5G 25000 SL	K10103120164263	50	50	100	-	M24x2	125	80	-	2	

Accessories:



LOCKING SCREW WN

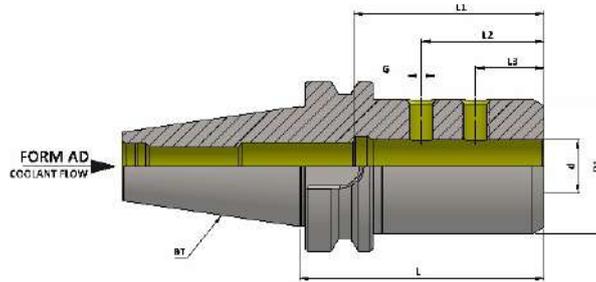
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

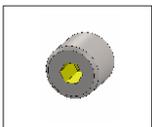


BT (MAS 403) (SLA) (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
BT30 SLA20 090 AD/6.3G 15000 SL	K10101106140110	30	20	50	M10	90	70	45	25	2
BT30 SLA25 090 AD/6.3G 15000 SL	K10101107140110	30	25	50	M10	90	70	45	25	2

BT30 SLA DIA 1/8"-2.375"AD/6.3G 15000 SL	K10101389331210	30	1/8"	0.69"	6-32UNCx1/4"	2.375"	17	-	0.370"	1
BT30 SLA DIA 3/16"-2.375" AD/6.3G 15000 SL	K10101389331212	30	3/16"	0.69"	8-32UNCx1/4"	2.375"	25	-	0.562"	1
BT30 SLA DIA 1/4"-2.375"AD/6.3G 15000 SL	K10101389331213	30	1/4"	0.78"	1/4"-28UNFx1/4"	2.375"	35	-	0.630"	1
BT30 SLA DIA 5/16"-2.375"AD/6.3G 15000SL	K10101389331214	30	5/16"	0.88"	5/16"-24UNFx1/4"	2.375"	35	-	0.630"	1
BT30 SLA DIA 3/8"-2.375"AD/6.3G 15000SL	K10101389331215	30	3/8"	1.0"	3/8"-24UNFx5/16"	2.375"	39	-	0.750"	1
BT30 SLA DIA 7/16"-2.375"AD/6.3G 15000 SL	K10101389331216	30	7/16"	1.25"	3/8"-24UNFx3/8"	2.375"	51	-	0.875"	1
BT30 SLA DIA 1/2"-2.375"AD/6.3G 15000 SL	K10101389331217	30	1/2"	1.25"	7/16"-20UNFx3/8"	2.375"	51	-	0.875"	1
BT30 SLA DIA 5/8" 2.375" AD/6.3G 15000 SL	K10101989681110	30	5/8"	1.5"	1/2"-20UNFx7/16"	2.375"	57	-	0.937"	1
BT30 SLA DIA 3/4" 2.375" AD/6.3G 15000 SL	K10101990681110	30	3/4"	1.75"	5/8"-18UNFx1/2"	2.375"	59	-	1.00"	1

Accessories:



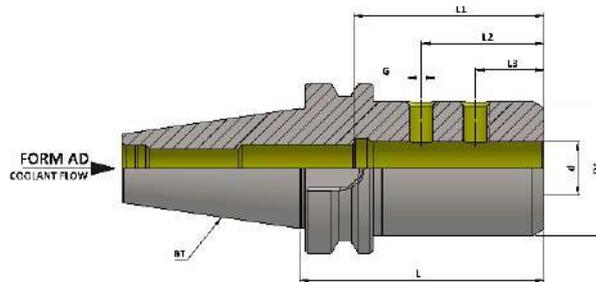
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

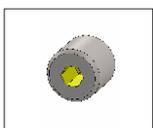


BT (MAS 403) (SLA) (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
BT40 SLA20 090 AD/6.3G 15000 SL	K10102106140110	40	20	50	M10	90	70	45	25	2
BT40 SLA25 090 AD/6.3G 15000 SL	K10102107140110	40	25	50	M10	90	70	45	25	2
BT40 SLA32 090 AD/6.3G 15000 SL	K10102108140110	40	32	60	M10	90	70	50	30	2
BT40 SLA40 090 AD/6.3G 15000 SL	K10102109140110	40	40	60	M10	90	70	50	30	2

BT40 SLA DIA 1/8" - 2 3/8" AD/6.3G 15000 SL	K10102389331151	40	1/8"	0.69"	6-32UNCx1/4"	2.375"	17	-	0.370"	1
BT40 SLA DIA 3/16" - 2 1/2" AD/6.3G 15000 SL	K10102389560127	40	3/16"	0.69"	8-32UNCx1/4"	2.50"	25	-	0.562"	1
BT40 SLA DIA 1/4" - 2 1/2" - AD/6.3G 15000 SL	K10266413301110	40	1/4"	0.78"	1/4"-28UNFx1/4"	2.50"	35	-	0.630"	1
BT40 SLA DIA 5/16"-2 1/2" - AD/6.3G 15000 SL	K10266414301110	40	5/16"	0.88"	5/16"-24UNFx1/4"	2.50"	35	-	0.630"	1
BT40 SLA DIA 3/8" - 2 1/2" - AD/6.3G 15000 SL	K10266415301110	40	3/8"	1.0"	3/8"-24UNFx5/16"	2.50"	39	-	0.750"	1
BT40 SLA DIA 7/16" - 2 1/2" - AD/6.3G 15000 SL	K10266516301110	40	7/16"	1.25"	3/8"-24UNFx3/8"	2.50"	51	-	0.875"	1
BT40 SLA DIA 1/2" - 2 1/2" - AD/6.3G 15000 SL	K10266507301110	40	1/2"	1.25"	7/16"-20UNFx3/8"	2.50"	51	-	0.875"	1
BT40 SLA DIA 5/8" - 2 1/2" - AD/6.3G 15000 SL	K10266513301110	40	5/8"	1.50"	1/2"-20UNFx7/16"	2.50"	57	-	0.937"	1
BT40 SLA DIA 3/4" - 2 1/2" - AD/6.3G 15000 SL	K10266517301110	40	3/4"	1.75"	5/8"-18UNFx1/2"	2.50"	59	-	1.0"	1
BT40 SLA DIA 7/8" - 3 3/8" - AD/6.3G 15000 SL	K10266512301110	40	7/8"	1.88"	5/8"-18UNFx1/2"	3.375"	70	1.938"	1.063"	2
BT40 SLA DIA 1.0"- 4.0"- AD/6.3G 15000 SL	K10266406301110	40	1.0"	2.0"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2
BT40 SLA DIA 1 1/4" - 4.0" - AD/6.3G 15000 SL	K10266514301110	40	1 1/4"	2.5"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2
BT40 SLA DIA 1 1/2" - 4 1/2" AD/6.3G 15000 SL	K10102389331161	40	1 1/2"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2

Accessories:



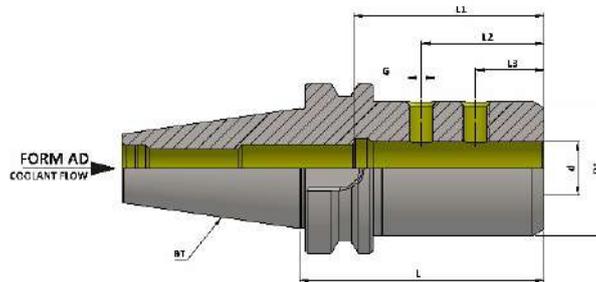
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

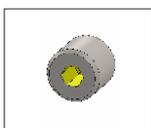


BT (MAS 403) (SLA) (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
BT50 SLA20 105 AD/6.3G 15000 SL	K10103106152110	50	20	50	M10	105	70	45	25	2
BT50 SLA25 105 AD/6.3G 15000 SL	K10103107152110	50	25	50	M10	105	70	45	25	2
BT50 SLA32 105 AD/6.3G 15000 SL	K10103108152110	50	32	60	M10	105	70	50	30	2
BT50 SLA40 105 AD/6.3G 15000 SL	K10103109152110	50	40	60	M10	105	70	50	30	2

BT50 SLA DIA 1/4" – 3.0" - AD/6.3G 15000 SL	K10265510301110	50	1/4"	0.78"	1/4"-28UNFx1/4"	3.0"	35	-	0.630"	1
BT50 SLA DIA 5/16" – 3.0" - AD/6.3G 15000 SL	K10265503301110	50	5/16"	0.88"	5/16"-24UNFx1/4"	3.0"	35	-	0.630"	1
BT50 SLA DIA 3/8" – 3.0" - AD/6.3G 15000 SL	K10265504301110	50	3/8"	1.0"	3/8"-24UNFx5/16"	3.0"	39	-	0.750"	1
BT50 SLA DIA 7/16" – 3.0" - AD/6.3G 15000 SL	K10265416301110	50	7/16"	1.25"	3/8"-24UNFx3/8"	3.0"	51	-	0.875"	1
BT50 SLA DIA 1/2" – 3.0" - AD/6.3G 15000 SL	K10265417301110	50	1/2"	1.25"	7/16"-20UNFx3/8"	3.0"	51	-	0.875"	1
BT50 SLA DIA 5/8" – 3.0" - AD/6.3G 15000 SL	K10265418301110	50	5/8"	1.50"	1/2"-20UNFx7/16"	3.0"	57	-	0.937"	1
BT50 SLA DIA 3/4" – 3.0" AD/6.3G 15000 SL	K10265419301110	50	3/4"	1.75"	5/8"-18UNFx1/2"	3.0"	59	-	1.0"	1
BT50 SLA DIA 7/8" – 4.0" - AD/6.3G 15000 SL	K10265424301110	50	7/8"	1.88"	5/8"-18UNFx1/2"	4.0"	70	1.938"	1.063"	2
BT50 SLA DIA 1.0" - 4 1/2" - AD/6.3G 15000 SL	K10265511301110	50	1.0"	2.0"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2
BT50 SLA DIA 1 1/4" - 4 1/2" - AD/6.3G 15000 SL	K10265508301110	50	1 1/4"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2
BT50 SLA DIA 1 1/2" – 4 1/2" AD/6.3G 15000 SL	K10265540301127	50	1 1/2"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2

Accessories:



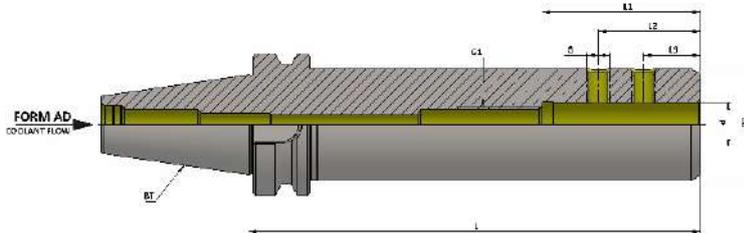
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

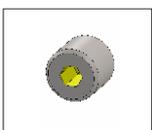


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) (SLA) (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
BT40 SLA16 200 AD	K10102105239543	40	16	48	M14	M12	200	57	-	23.50	1	
BT40 SLA16 250 AD	K10102105182543	40	16	48	M14	M12	250	57	-	23.50	1	
BT40 SLA16 300 AD	K10102105183543	40	16	48	M14	M12	300	57	-	23.50	1	
BT40 SLA20 200 AD	K10102106239543	40	20	50	M10	M16	200	70	45	25	2	
BT40 SLA20 250 AD	K10102106182543	40	20	50	M10	M16	250	70	45	25	2	
BT40 SLA20 300 AD	K10102106183543	40	20	50	M10	M16	300	70	45	25	2	
BT40 SLA25 200 AD	K10102107239543	40	25	50	M10	M16	200	70	45	25	2	
BT40 SLA25 250 AD	K10102107182543	40	25	50	M10	M16	250	70	45	25	2	
BT40 SLA25 300 AD	K10102107183543	40	25	50	M10	M16	300	70	45	25	2	
BT40 SLA32 200 AD	K10102108239543	40	32	60	M10	M16	200	70	50	30	2	
BT40 SLA32 250 AD	K10102108182543	40	32	60	M10	M16	250	70	50	30	2	
BT40 SLA32 300 AD	K10102108183543	40	32	60	M10	M16	300	70	50	30	2	
BT40 SLA40 200 AD	K10102109239543	40	40	60	M10	M16	200	70	50	30	2	
BT40 SLA40 250 AD	K10102109182543	40	40	60	M10	M16	250	70	50	30	2	
BT40 SLA40 300 AD	K10102109183543	40	40	60	M10	M16	300	70	50	30	2	

Accessories:



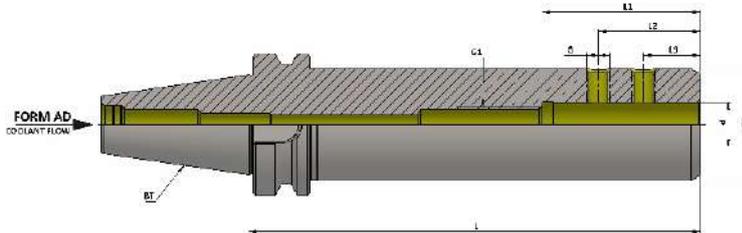
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

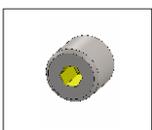


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) (SLA) (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
BT40 SLA DIA 5/8" 200 AD	K10102989239543	40	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1	
BT40 SLA DIA 5/8" 250 AD	K10102989182543	40	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1	
BT40 SLA DIA 5/8" 300 AD	K10102989183543	40	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1	
BT40 SLA DIA 3/4" 200 AD	K10102990239543	40	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1	
BT40 SLA DIA 3/4" 250 AD	K10102990182543	40	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1	
BT40 SLA DIA 3/4" 300 AD	K10102990183543	40	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1	
BT40 SLA DIA 1.0" 200 AD	K10102991239543	40	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT40 SLA DIA 1.0" 250 AD	K10102991182543	40	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT40 SLA DIA 1.0" 300 AD	K10102991183543	40	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/4" 200 AD	K10102992239543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/4" 250 AD	K10102992182543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/4" 300 AD	K10102992183543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/2" 200 AD	K10102993239543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/2" 250 AD	K10102993182543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT40 SLA DIA 1 1/2" 300 AD	K10102993183543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	

Accessories:



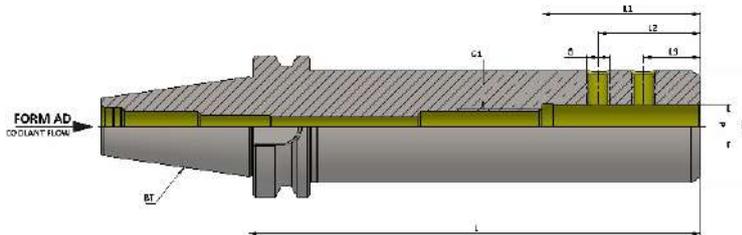
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

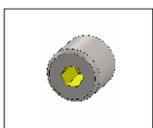


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) (SLA) (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
BT50 SLA16 200 AD	K10103105239543	50	16	48	M14	M12	200	57	-	23.50	1	
BT50 SLA16 250 AD	K10103105182543	50	16	48	M14	M12	250	57	-	23.50	1	
BT50 SLA16 300 AD	K10103105183543	50	16	48	M14	M12	300	57	-	23.50	1	
BT50 SLA16 350 AD	K10103105184543	50	16	48	M14	M12	350	57	-	23.50	1	
BT50 SLA16 400 AD	K10103105540543	50	16	48	M14	M12	400	57	-	23.50	1	
BT50 SLA20 200 AD	K10103106239543	50	20	50	M10	M16	200	70	45	25	2	
BT50 SLA20 250 AD	K10103106182543	50	20	50	M10	M16	250	70	45	25	2	
BT50 SLA20 300 AD	K10103106183543	50	20	50	M10	M16	300	70	45	25	2	
BT50 SLA20 350 AD	K10103106184543	50	20	50	M10	M16	350	70	45	25	2	
BT50 SLA20 400 AD	K10103106540543	50	20	50	M10	M16	400	70	45	25	2	
BT50 SLA25 200 AD	K10103107239543	50	25	50	M10	M16	200	70	45	25	2	
BT50 SLA25 250 AD	K10103107182543	50	25	50	M10	M16	250	70	45	25	2	
BT50 SLA25 300 AD	K10103107183543	50	25	50	M10	M16	300	70	45	25	2	
BT50 SLA25 350 AD	K10103107184543	50	25	50	M10	M16	350	70	45	25	2	
BT50 SLA25 400 AD	K10103107540543	50	25	50	M10	M16	400	70	45	25	2	
BT50 SLA32 200 AD	K10103108239543	50	32	60	M10	M16	200	70	50	30	2	
BT50 SLA32 250 AD	K10103108182543	50	32	60	M10	M16	250	70	50	30	2	
BT50 SLA32 300 AD	K10103108183543	50	32	60	M10	M16	300	70	50	30	2	
BT50 SLA32 350 AD	K10103108184543	50	32	60	M10	M16	350	70	50	30	2	
BT50 SLA32 400 AD	K10103108540543	50	32	60	M10	M16	400	70	50	30	2	
BT50 SLA40 200 AD	K10103109239543	50	40	60	M10	M16	200	70	50	30	2	
BT50 SLA40 250 AD	K10103109182543	50	40	60	M10	M16	250	70	50	30	2	
BT50 SLA40 300 AD	K10103109183543	50	40	60	M10	M16	300	70	50	30	2	
BT50 SLA40 350 AD	K10103109184543	50	40	60	M10	M16	350	70	50	30	2	
BT50 SLA40 400 AD	K10103109540543	50	40	60	M10	M16	400	70	50	30	2	

Accessories:



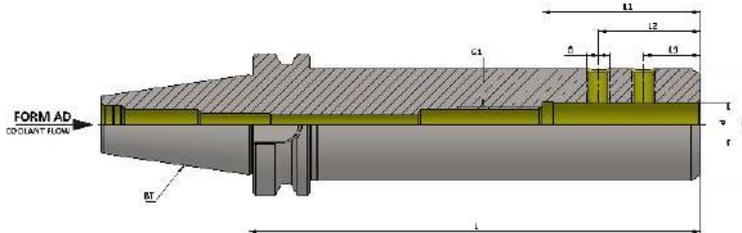
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

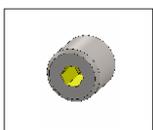


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



BT (MAS 403) (SLA) (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
BT50 SLA DIA 5/8" 200 AD	K10103989239543	50	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1	
BT50 SLA DIA 5/8" 250 AD	K10103989182543	50	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1	
BT50 SLA DIA 5/8" 300 AD	K10103989183543	50	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1	
BT50 SLA DIA 5/8" 350 AD	K10103989184543	50	5/8"	48	1/2"20UNFx7/16"	M12	350	57	-	0.937"	1	
BT50 SLA DIA 5/8" 400 AD	K10103989540543	50	5/8"	48	1/2"20UNFx7/16"	M12	400	57	-	0.937"	1	
BT50 SLA DIA 3/4" 200 AD	K10103990239543	50	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1	
BT50 SLA DIA 3/4" 250 AD	K10103990182543	50	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1	
BT50 SLA DIA 3/4" 300 AD	K10103990183543	50	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1	
BT50 SLA DIA 3/4" 350 AD	K10103990184543	50	3/4"	50	5/8"18UNFx1/2"	M16	350	59	-	1.00"	1	
BT50 SLA DIA 3/4" 400 AD	K10103990540543	50	3/4"	50	5/8"18UNFx1/2"	M16	400	59	-	1.00"	1	
BT50 SLA DIA 1.0" 200 AD	K10103991239543	50	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT50 SLA DIA 1.0" 250 AD	K10103991182543	50	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT50 SLA DIA 1.0" 300 AD	K10103991183543	50	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
BT50 SLA DIA 1.0" 350 AD	K10103991184543	50	1.0"	50	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
BT50 SLA DIA 1.0" 400 AD	K10103991540543	50	1.0"	50	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/4" 200 AD	K10103992239543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/4" 250 AD	K10103992182543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/4" 300 AD	K10103992183543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/4" 350 AD	K10103992184543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/4" 400 AD	K10103992540543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/2" 200 AD	K10103993239543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/2" 250 AD	K10103993182543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/2" 300 AD	K10103993183543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/2" 350 AD	K10103993184543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
BT50 SLA DIA 1 1/2" 400 AD	K10103993540543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	

Accessories:



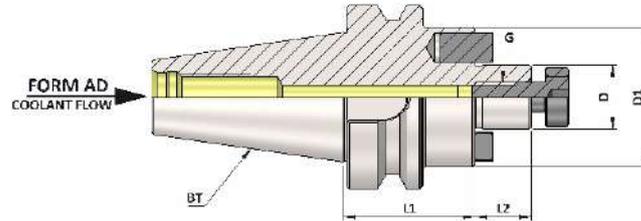
LOCKING SCREW SLA

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



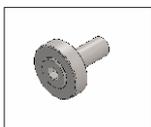
BT (MAS 403) FMH (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	G
BT30 FMH16 035 AD/2.5G 25000 SL SP.S	K10101126104232	30	16	38	35	17	M8 x 1.25P
BT30 FMH22 040 AD/2.5G 25000 SL SP.S	K10101127106232	30	22	48	40	19	M10 x 1.5P
BT30 FMH27 040 AD/2.5G 25000 SL SP.S	K10101128106232	30	27	58	40	21	M12 x 1.75P
BT30 FMH32 050 AD/2.5G 25000 SL SP.S	K10101129111110	30	32	78	50	24	M16 x 2P

BT30 FMH 3/4" 45 AD/2.5G 25000 SL	K10101388331220	30	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
BT30 FMH 1.0" 45 AD/2.5G 25000 SL	K10101388331219	30	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT30 FMH 1 1/4" 45 AD/2.5G 25000 SL	K10246509301110	30	1-1/4"	2.875"	45	0.687"	5/8"-18 UNF-2B x 1 1/4"

BT40 FMH16 045 AD/2.5G 25000 SL SP.S	K10102126108232	40	16	38	45	17	M8 x 1.25P
BT40 FMH16 100 AD/2.5G 25000 SL SP.S	K10102126148232	40	16	38	100	17	M8 x 1.25P
BT40 FMH16 130 AD/2.5G 25000 SL SP.S	K10102126165232	40	16	38	130	17	M8 x 1.25P
BT40 FMH16 160 AD/2.5G 25000 SL SP.S	K10102126175232	40	16	38	160	17	M8 x 1.25P
BT40 FMH22 045 AD/2.5G 25000 SL SP.S	K10102127108232	40	22	48	45	19	M10 x 1.5P
BT40 FMH22 100 AD/2.5G 25000 SL SP.S	K10102127148232	40	22	48	100	19	M10 x 1.5P
BT40 FMH22 130 AD/2.5G 25000 SL SP.S	K10102127165232	40	22	48	130	19	M10 x 1.5P
BT40 FMH22 160 AD/2.5G 25000 SL SP.S	K10102127175232	40	22	48	160	19	M10 x 1.5P
BT40 FMH27 045 AD/2.5G 25000 SL SP.S	K10102128108232	40	27	58	45	21	M12 x 1.75P
BT40 FMH27 100 AD/2.5G 25000 SL SP.S	K10102128148232	40	27	58	100	21	M12 x 1.75P
BT40 FMH27 130 AD/2.5G 25000 SL SP.S	K10102128165232	40	27	58	130	21	M12 x 1.75P
BT40 FMH27 160 AD/2.5G 25000 SL SP.S	K10102128175232	40	27	58	160	21	M12 x 1.75P
BT40 FMH32 050 AD/2.5G 25000 SL SP.S	K10102129111232	40	32	78	50	24	M16 x 2P
BT40 FMH32 100 AD/2.5G 25000 SL SP.S	K10102129148232	40	32	78	100	24	M16 x 2P
BT40 FMH32 130 AD/2.5G 25000 SL SP.S	K10102129165232	40	32	78	130	24	M16 x 2P
BT40 FMH32 160 AD/2.5G 25000 SL SP.S	K10102129175232	40	32	78	160	24	M16 x 2P

Accessories:



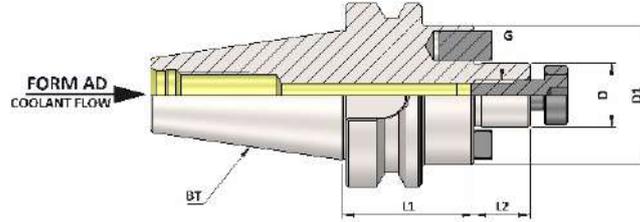
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied

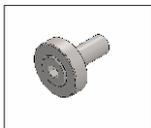


BT (MAS 403) FMH (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	G
BT40 FMH40 055 AD/2.5G 25000 SL SP.S	K10102130115232	40	40	88	55	27	M20 x 2.5P
BT40 FMH40 100 AD/2.5G 25000 SL SP.S	K10102130148232	40	40	88	100	27	M20 x 2.5P
BT40 FMH40 130 AD/2.5G 25000 SL SP.S	K10102130165232	40	40	88	130	27	M20 x 2.5P
BT40 FMH40 160 AD/2.5G 25000 SL SP.S	K10102130175232	40	40	88	160	27	M20 x 2.5P

BT40 FMH 3/4" 045 AD/2.5G 25000 SL	K10247434301106	40	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH 3/4" 100 AD/2.5G 25000 SL	K10102958148110	40	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH 3/4" 130 AD/2.5G 25000 SL	K10314497641183	40	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH 3/4" 160 AD/2.5G 25000 SL	K10102958175110	40	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH 1.0" 045 AD/2.5G 25000 SL	K10102616369110	40	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH 1.0" 100 AD/2.5G 25000 SL	K10102616148110	40	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH 1.0" 130 AD/2.5G 25000 SL	K10102616165110	40	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH 1.0" 160 AD/2.5G 25000 SL	K10102959175110	40	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH 1 1/4" 045 AD/2.5G 25000 SL	K10102618369110	40	1-1/4"	2.875"	45	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH 1 1/4" 100 AD/2.5G 25000 SL	K10102618148110	40	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH 1 1/4" 130 AD/2.5G 25000 SL	K10102618165110	40	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH 1 1/4" 160 AD/2.5G 25000 SL	K10102618175110	40	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH 1 1/2" 060 AD/2.5G 25000 SL	K10102620357110	40	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH 1 1/2" 100 AD/2.5G 25000 SL	K10102620148110	40	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH 1 1/2" 130 AD/2.5G 25000 SL	K10102620165110	40	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH 1 1/2" 160 AD/2.5G 25000 SL	K10102620175110	40	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



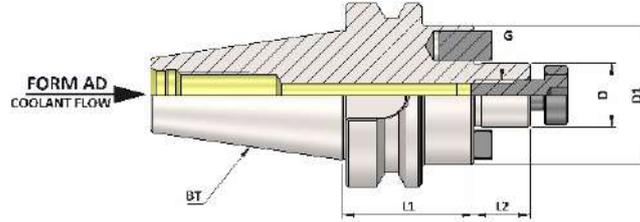
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)

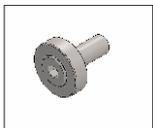


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH (AD) (JD)								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	ISO	D	D1	L1	L2	G	
BT50 FMH16 060 AD/2.5G 25000 SL SP.S	K10103126117232	50	16	38	60	17	M8 x 1.25P	
BT50 FMH16 100 AD/2.5G 25000 SL SP.S	K10103126148232	50	16	38	100	17	M8 x 1.25P	
BT50 FMH16 130 AD/2.5G 25000 SL SP.S	K10103126165232	50	16	38	130	17	M8 x 1.25P	
BT50 FMH16 160 AD/2.5G 25000 SL SP.S	K10103126175232	50	16	38	160	17	M8 x 1.25P	
BT50 FMH22 060 AD/2.5G 25000 SL SP.S	K10103127117232	50	22	48	60	19	M10 x 1.5P	
BT50 FMH22 100 AD/2.5G 25000 SL SP.S	K10103127148232	50	22	48	100	19	M10 x 1.5P	
BT50 FMH22 130 AD/2.5G 25000 SL SP.S	K10103127165232	50	22	48	130	19	M10 x 1.5P	
BT50 FMH22 160 AD/2.5G 25000 SL SP.S	K10103127175232	50	22	48	160	19	M10 x 1.5P	
BT50 FMH27 060 AD/2.5G 25000 SL SP.S	K10103128117232	50	27	58	60	21	M12 x 1.75P	
BT50 FMH27 100 AD/2.5G 25000 SL SP.S	K10103128148232	50	27	58	100	21	M12 x 1.75P	
BT50 FMH27 130 AD/2.5G 25000 SL SP.S	K10103128165232	50	27	58	130	21	M12 x 1.75P	
BT50 FMH27 160 AD/2.5G 25000 SL SP.S	K10103128175232	50	27	58	160	21	M12 x 1.75P	
BT50 FMH32 060 AD/2.5G 25000 SL SP.S	K10103129117232	50	32	78	60	24	M16 x 2P	
BT50 FMH32 100 AD/2.5G 25000 SL SP.S	K10103129148232	50	32	78	100	24	M16 x 2P	
BT50 FMH32 130 AD/2.5G 25000 SL SP.S	K10103129165232	50	32	78	130	24	M16 x 2P	
BT50 FMH32 160 AD/2.5G 25000 SL SP.S	K10103129175232	50	32	78	160	24	M16 x 2P	
BT50 FMH40 060 AD/2.5G 25000 SL SP.S	K10103130117232	50	40	88	60	27	M20 x 2.5P	
BT50 FMH40 100 AD/2.5G 25000 SL SP.S	K10103130148232	50	40	88	100	27	M20 x 2.5P	
BT50 FMH40 130 AD/2.5G 25000 SL SP.S	K10103130165232	50	40	88	130	27	M20 x 2.5P	
BT50 FMH40 160 AD/2.5G 25000 SL SP.S	K10103130175232	50	40	88	160	27	M20 x 2.5P	
BT50 FMH60 080 AD/2.5G 25000 SL SP.S	K10103260127232	50	60	128	80	40	-	

Accessories:



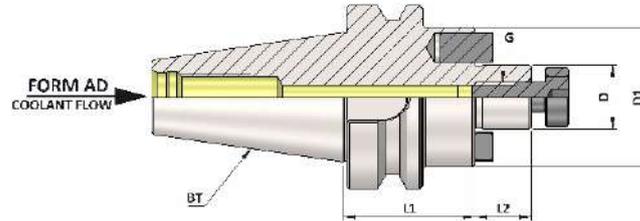
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)

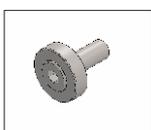


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH (AD) (JD)								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	ISO	D	D1	L1	L2	G	
BT50 FMH 3/4" 060 AD/2.5G 25000 SL	K10103617857110	50	3/4"	2"	60	0.687"	3/8"-24 UNF-2B x 1.0"	
BT50 FMH3/4" 100 AD/2.5G 25000 SL	K10248442301122	50	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"	
BT50 FMH 3/4" 130 AD/2.5G 25000 SL	K10103617165110	50	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"	
BT50 FMH3/4" 160 AD/2.5G 25000 SL	K10248441301110	50	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"	
BT50 FMH 1.0" 060 AD/2.5G 25000 SL	K10103616369110	50	1.0"	2.375"	60	0.687"	1/2"-20 UNF-2B x 1 1/4"	
BT50 FMH 1.0" 100 AD/2.5G 25000 SL	K10103616148110	50	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"	
BT50 FMH 1.0" 130 AD/2.5G 25000 SL	K10103616165110	50	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"	
BT50 FMH 1.0" 160 AD/2.5G 25000 SL	K10103616175110	50	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"	
BT50 FMH 1 1/4" 60 AD/2.5G 25000 SL	K10103618667110	50	1-1/4"	2.875"	60	0.687"	5/8"-18 UNF-2B x 1 1/4"	
BT50 FMH 1 1/4" 100 AD/2.5G 25000 SL	K10103618148110	50	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"	
BT50 FMH1 1/4" 130 AD/2.5G 25000 SL	K10103618165110	50	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"	
BT50 FMH 1 1/4" 160 AD/2.5G 25000 SL	K10103618175110	50	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"	
BT50 FMH 1 1/2" 060 AD/2.5G 25000 SL	K10103617369110	50	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"	
BT50 FMH 1 1/2" 100 AD/2.5G 25000 SL	K10103617148110	50	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"	
BT50 FMH 1 1/2" 130 AD/2.5G 25000 SL	K10103620165110	50	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"	
BT50 FMH 1 1/2" 160 AD/2.5G 25000 SL	K10103617175110	50	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"	

Accessories:



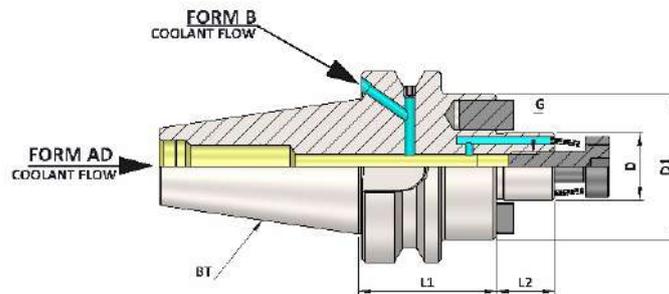
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Face Mill Holder (Through Coolant) (DIN 6357) FMH-K (AD+B)(JD/JF)

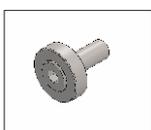


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH-K (AD+B) (JD/JF)			(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	D	D1	L1	L2	G
BT40 FMH-K16 045 AD+B/2.5G 25000 SL SP.S	K10102131108234	40	16	38	45	17	M8 x 1.25P
BT40 FMH-K16 100 AD+B/2.5G 25000 SL SP.S	K10102131148234	40	16	38	100	17	M8 x 1.25P
BT40 FMH-K16 130 AD+B/2.5G 25000 SL SP.S	K10102131165234	40	16	38	130	17	M8 x 1.25P
BT40 FMH-K16 160 AD+B/2.5G 25000 SL SP.S	K10102131175234	40	16	38	160	17	M8 x 1.25P
BT40 FMH-K22 045 AD+B/2.5G 25000 SL SP.S	K10102132108234	40	22	48	45	19	M10 x 1.50P
BT40 FMH-K22 100 AD+B/2.5G 25000 SL SP.S	K10102132148234	40	22	48	100	19	M10 x 1.50P
BT40 FMH-K22 130 AD+B/2.5G 25000 SL SP.S	K10102132165234	40	22	48	130	19	M10 x 1.50P
BT40 FMH-K22 160 AD+B/2.5G 25000 SL SP.S	K10102132175234	40	22	48	160	19	M10 x 1.50P
BT40 FMH-K27 045 AD+B/2.5G 25000 SL SP.S	K10102133108234	40	27	58	45	21	M12 x 1.75P
BT40 FMH-K27 100 AD+B/2.5G 25000 SL SP.S	K10102133148234	40	27	58	100	21	M12 x 1.75P
BT40 FMH-K27 130 AD+B/2.5G 25000 SL SP.S	K10102133165234	40	27	58	130	21	M12 x 1.75P
BT40 FMH-K27 160 AD+B/2.5G 25000 SL SP.S	K10102133175234	40	27	58	160	21	M12 x 1.75P
BT40 FMH-K32 050 AD+B/2.5G 25000 SL SP.S	K10102134111234	40	32	78	50	24	M16 x 2P
BT40 FMH-K32 100 AD+B/2.5G 25000 SL SP.S	K10102134148234	40	32	78	100	24	M16 x 2P
BT40 FMH-K32 130 AD+B/2.5G 25000 SL SP.S	K10102134165234	40	32	78	130	24	M16 x 2P
BT40 FMH-K32 160 AD+B/2.5G 25000 SL SP.S	K10102134175234	40	32	78	160	24	M16 x 2P
BT40 FMH-K40 055 AD+B/2.5G 25000 SL SP.S	K10102135115234	40	40	88	55	27	M20 x 2.5P
BT40 FMH-K40 100 AD+B/2.5G 25000 SL SP.S	K10102135148234	40	40	88	100	27	M20 x 2.5P
BT40 FMH-K40 130 AD+B/2.5G 25000 SL SP.S	K10102576165234	40	40	88	130	27	M20 x 2.5P
BT40 FMH-K40 160 AD+B/2.5G 25000 SL SP.S	K10102135175234	40	40	88	160	27	M20 x 2.5P

Accessories:



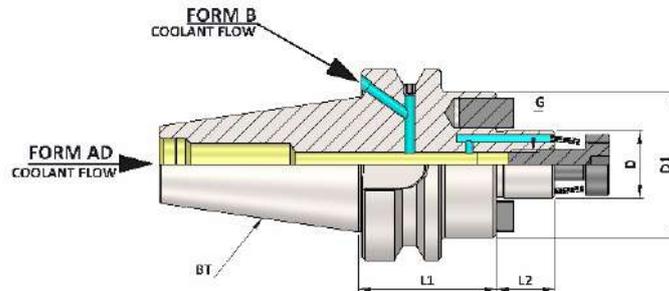
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Face Mill Holder (Through Coolant) (DIN 6357) FMH-K (AD+B)(JD/JF)

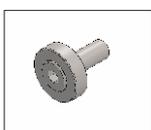


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH-K (AD+B) (JD/JF)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
BT40 FMH-K3/4" 045 AD+B/2.5G 25000 SL	K10102958369232	40	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH-K3/4" 100 AD+B/2.5G 25000 SL	K10102958148234	40	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH-K3/4" 130 AD+B/2.5G 25000 SL	K10314497641219	40	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH-K3/4" 160 AD+B/2.5G 25000 SL	K10102958175234	40	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
BT40 FMH-K1.0" 045 AD+B/2.5G 25000 SL	K10102959369112	40	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH-K1.0" 100 AD+B/2.5G 25000 SL	K10102959148112	40	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH-K1.0" 130 AD+B/2.5G 25000 SL	K10102959165233	40	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH-K1.0" 160 AD+B/2.5G 25000 SL	K10102959175112	40	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT40 FMH-K1-1/4" 045 AD+B/2.5G 25000 SL	K10102960369112	40	1-1/4"	2.875"	45	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH-K1-1/4" 100 AD+B/2.5G 25000 SL	K10102960148112	40	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH-K1-1/4" 130 AD+B/2.5G 25000 SL	K10102960165233	40	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH-K1-1/4" 160 AD+B/2.5G 25000 SL	K10102960175112	40	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT40 FMH-K1-1/2" 060 AD+B/2.5G 25000 SL	K10102639369112	40	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH-K1-1/2" 100 AD+B/2.5G 25000 SL	K10102639148112	40	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH-K1-1/2" 130 AD+B/2.5G 25000 SL	K10102639165233	40	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT40 FMH-K1-1/2" 160 AD+B/2.5G 25000 SL	K10102639175112	40	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



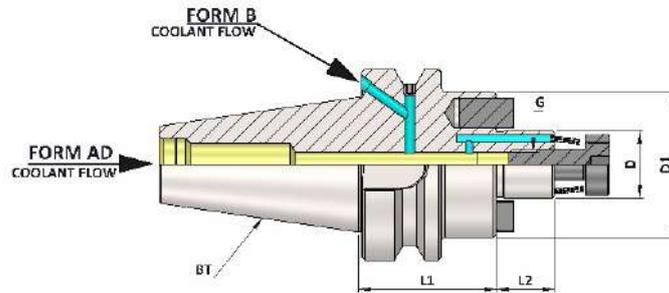
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Face Mill Holder (Through Coolant) (DIN 6357) FMH-K (AD+B)(JD/JF)

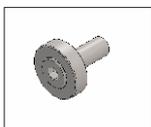


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH-K (AD+B) (JD/JF)			(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	D	D1	L1	L2	G
BT50 FMH-K16 060 AD+B/2.5G 25000 SL SP.S	K10103131117234	50	16	38	60	17	M8 x 1.25P
BT50 FMH-K16 100 AD+B/2.5G 25000 SL SP.S	K10103131148234	50	16	38	100	17	M8 x 1.25P
BT50 FMH-K16 130 AD+B/2.5G 25000 SL SP.S	K10103131165234	50	16	38	130	17	M8 x 1.25P
BT50 FMH-K16 160 AD+B/2.5G 25000 SL SP.S	K10103131175234	50	16	38	160	17	M8 x 1.25P
BT50 FMH-K22 060 AD+B/2.5G 25000 SL SP.S	K10103132117234	50	22	48	60	19	M10 x 1.50P
BT50 FMH-K22 100 AD+B/2.5G 25000 SL SP.S	K10103132148234	50	22	48	100	19	M10 x 1.50P
BT50 FMH-K22 130 AD+B/2.5G 25000 SL SP.S	K10103132165234	50	22	48	130	19	M10 x 1.50P
BT50 FMH-K22 160 AD+B/2.5G 25000 SL SP.S	K10103132175234	50	22	48	160	19	M10 x 1.50P
BT50 FMH-K27 060 AD+B/2.5G 25000 SL SP.S	K10103133117234	50	27	58	60	21	M12 x 1.75P
BT50 FMH-K27 100 AD+B/2.5G 25000 SL SP.S	K10103133148234	50	27	58	100	21	M12 x 1.75P
BT50 FMH-K27 130 AD+B/2.5G 25000 SL SP.S	K10103133165234	50	27	58	130	21	M12 x 1.75P
BT50 FMH-K27 160 AD+B/2.5G 25000 SL SP.S	K10103133175234	50	27	58	160	21	M12 x 1.75P
BT50 FMH-K32 060 AD+B/2.5G 25000 SL SP.S	K10103134117234	50	32	78	60	24	M16 x 2P
BT50 FMH-K32 100 AD+B/2.5G 25000 SL SP.S	K10103134148234	50	32	78	100	24	M16 x 2P
BT50 FMH-K32 130 AD+B/2.5G 25000 SL SP.S	K10103134165234	50	32	78	130	24	M16 x 2P
BT50 FMH-K32 160 AD+B/2.5G 25000 SL SP.S	K10103134175234	50	32	78	160	24	M16 x 2P
BT50 FMH-K40 060 AD+B/2.5G 25000 SL SP.S	K10103135117234	50	40	88	60	27	M20 x 2.5P
BT50 FMH-K40 100 AD+B/2.5G 25000 SL SP.S	K10103135148234	50	40	88	100	27	M20 x 2.5P
BT50 FMH-K40 130 AD+B/2.5G 25000 SL SP.S	K10103576165234	50	40	88	130	27	M20 x 2.5P
BT50 FMH-K40 160 AD+B/2.5G 25000 SL SP.S	K10103135175234	50	40	88	160	27	M20 x 2.5P
BT50 FMH-K60 080 AD+B/2.5G 25000 SL SP.S	K10103577131112	50	60	128	80	40	-

Accessories:



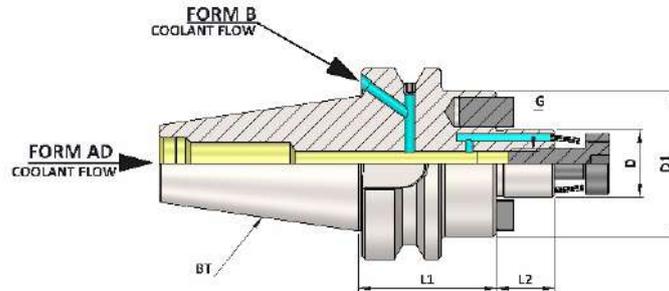
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Face Mill Holder (Through Coolant) (DIN 6357) FMH-K (AD+B)(JD/JF)

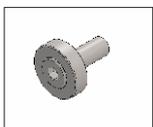


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) FMH-K (AD+B) (JD/JF)			(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	D	D1	L1	L2	G
BT50 FMH-K3/4" 060 AD+B/2.5G 25000 SL	K10103958857110	50	3/4"	2"	60	0.687"	3/8"-24 UNF-2B x 1.0"
BT50 FMH-K3/4" 100 AD+B/2.5G 25000 SL	K10103958148110	50	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
BT50 FMH-K3/4" 130 AD+B/2.5G 25000 SL	K10103958165110	50	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
BT50 FMH-K3/4" 160 AD+B/2.5G 25000 SL	K10103958175110	50	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
BT50 FMH-K1.0" 060 AD+B/2.5G 25000 SL	K10103959857112	50	1.0"	2.375"	60	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT50 FMH-K1.0" 100 AD+B/2.5G 25000 SL	K10103959148112	50	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT50 FMH-K1.0" 130 AD+B/2.5G 25000 SL	K10103959165233	50	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT50 FMH-K1.0" 160 AD+B/2.5G 25000 SL	K10103959175112	50	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
BT50 FMH-K1-1/4" 060 AD+B/2.5G 25000 SL	K10103960667112	50	1-1/4"	2.875"	60	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT50 FMH-K1-1/4" 100 AD+B/2.5G 25000 SL	K10103960148112	50	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT50 FMH-K1-1/4" 130 AD+B/2.5G 25000 SL	K10103960165233	50	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT50 FMH-K1-1/4" 160 AD+B/2.5G 25000 SL	K10103960175112	50	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
BT50 FMH-K1-1/2" 060 AD+B/2.5G 25000 SL	K10103639667112	50	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT50 FMH-K1-1/2" 100 AD+B/2.5G 25000 SL	K10103639148112	50	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT50 FMH-K1-1/2" 130 AD+B/2.5G 25000 SL	K10103639165233	50	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
BT50 FMH-K1-1/2" 160 AD+B/2.5G 25000 SL	K10103639175112	50	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



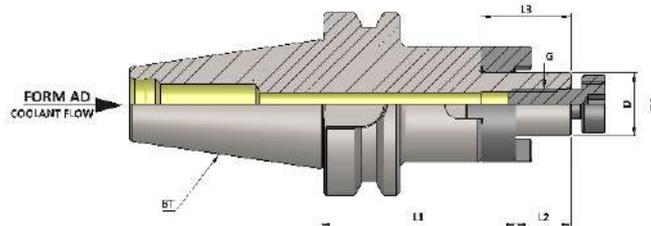
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Combi Shell Mill Adaptor (DIN 6358) CSMA (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) CSMA (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	L3	G
BT30 CSMA16 050 AD/2.5G 25000 SL SP.S	K10101121111232	30	16	32	50	17	27	M8 x 1.25P
BT30 CSMA22 050 AD/2.5G 25000 SL SP.S	K10101122111232	30	22	40	50	19	31	M10 x 1.5P
BT30 CSMA27 055 AD/2.5G 25000 SL SP.S	K10101123115232	30	27	48	55	21	33	M12 x 1.75P
BT30 CSMA32 050 AD/2.5G 25000 SL SP.S	K10101124111110	30	32	58	50	24	38	M16 x 2P

BT40 CSMA16 055 AD/2.5G 25000 SL SP.S	K10102121115232	40	16	32	55	17	27	M8 x 1.25P
BT40 CSMA16 100 AD/2.5G 25000 SL SP.S	K10102121148232	40	16	32	100	17	27	M8 x 1.25P
BT40 CSMA16 130 AD/2.5G 25000 SL SP.S	K10102121165232	40	16	32	130	17	27	M8 x 1.25P
BT40 CSMA16 160 AD/2.5G 25000 SL SP.S	K10102121175232	40	16	32	160	17	27	M8 x 1.25P
BT40 CSMA22 055 AD/2.5G 25000 SL SP.S	K10102122115232	40	22	40	55	19	31	M10 x 1.5P
BT40 CSMA22 100 AD/2.5G 25000 SL SP.S	K10102122148232	40	22	40	100	19	31	M10 x 1.5P
BT40 CSMA22 130 AD/2.5G 25000 SL SP.S	K10102122165232	40	22	40	130	19	31	M10 x 1.5P
BT40 CSMA22 160 AD/2.5G 25000 SL SP.S	K10102122175232	40	22	40	160	19	31	M10 x 1.5P
BT40 CSMA27 055 AD/2.5G 25000 SL SP.S	K10102123115232	40	27	48	55	21	33	M12 x 1.75P
BT40 CSMA27 100 AD/2.5G 25000 SL SP.S	K10102123148232	40	27	48	100	21	33	M12 x 1.75P
BT40 CSMA27 130 AD/2.5G 25000 SL SP.S	K10102123165232	40	27	48	130	21	33	M12 x 1.75P
BT40 CSMA27 160 AD/2.5G 25000 SL SP.S	K10102123175232	40	27	48	160	21	33	M12 x 1.75P
BT40 CSMA32 060 AD/2.5G 25000 SL SP.S	K10102124117232	40	32	58	60	24	38	M16 x 2P
BT40 CSMA32 100 AD/2.5G 25000 SL SP.S	K10102124148232	40	32	58	100	24	38	M16 x 2P
BT40 CSMA32 130 AD/2.5G 25000 SL SP.S	K10102124165232	40	32	58	130	24	38	M16 x 2P
BT40 CSMA32 160 AD/2.5G 25000 SL SP.S	K10102124175232	40	32	58	160	24	38	M16 x 2P
BT40 CSMA40 060 AD/2.5G 25000 SL SP.S	K10102125117232	40	40	70	60	27	41	M20 x 2.5P
BT40 CSMA40 100 AD/2.5G 25000 SL SP.S	K10102125148232	40	40	70	100	27	41	M20 x 2.5P
BT40 CSMA40 130 AD/2.5G 25000 SL SP.S	K10102125165232	40	40	70	130	27	41	M20 x 2.5P
BT40 CSMA40 160 AD/2.5G 25000 SL SP.S	K10102125175232	40	40	70	160	27	41	M20 x 2.5P

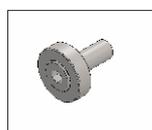
Accessories:



CSMA DRIVER RING



CSMA KEY



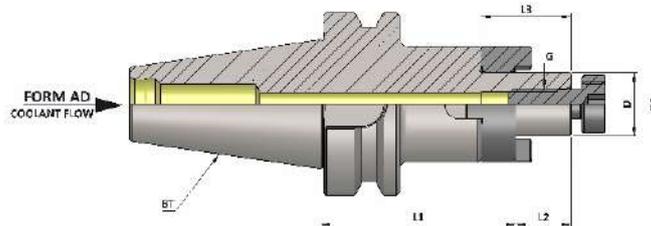
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Combi Shell Mill Adaptor (DIN 6358) CSMA (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) CSMA (AD) (JD) (Balanced to 2.5 G 25000 RPM)								
Item Name	Item Code	ISO	D	D1	L1	L2	L3	G
BT50 CSMA16 070 AD/2.5G 25000 SL SP.S	K10103121125232	50	16	32	70	17	27	M8 x 1.25P
BT50 CSMA16 100 AD/2.5G 25000 SL SP.S	K10103121148232	50	16	32	100	17	27	M8 x 1.25P
BT50 CSMA16 130 AD/2.5G 25000 SL SP.S	K10103121165232	50	16	32	130	17	27	M8 x 1.25P
BT50 CSMA16 160 AD/2.5G 25000 SL SP.S	K10103121175232	50	16	32	160	17	27	M8 x 1.25P
BT50 CSMA22 070 AD/2.5G 25000 SL SP.S	K10103122125232	50	22	40	70	19	31	M10 x 1.5P
BT50 CSMA22 100 AD/2.5G 25000 SL SP.S	K10103122148232	50	22	40	100	19	31	M10 x 1.5P
BT50 CSMA22 130 AD/2.5G 25000 SL SP.S	K10103122165232	50	22	40	130	19	31	M10 x 1.5P
BT50 CSMA22 160 AD/2.5G 25000 SL SP.S	K10103122175232	50	22	40	160	19	31	M10 x 1.5P
BT50 CSMA27 070 AD/2.5G 25000 SL SP.S	K10103123125232	50	27	48	70	21	33	M12 x 1.75P
BT50 CSMA27 100 AD/2.5G 25000 SL SP.S	K10103123148232	50	27	48	100	21	33	M12 x 1.75P
BT50 CSMA27 130 AD/2.5G 25000 SL SP.S	K10103123165232	50	27	48	130	21	33	M12 x 1.75P
BT50 CSMA27 160 AD/2.5G 25000 SL SP.S	K10103123175232	50	27	48	160	21	33	M12 x 1.75P
BT50 CSMA32 070 AD/2.5G 25000 SL SP.S	K10103124125232	50	32	58	70	24	38	M16 x 2P
BT50 CSMA32 100 AD/2.5G 25000 SL SP.S	K10103124148232	50	32	58	100	24	38	M16 x 2P
BT50 CSMA32 130 AD/2.5G 25000 SL SP.S	K10103124165232	50	32	58	130	24	38	M16 x 2P
BT50 CSMA32 160 AD/2.5G 25000 SL SP.S	K10103124175232	50	32	58	160	24	38	M16 x 2P
BT50 CSMA40 070 AD/2.5G 25000 SL SP.S	K10103125125232	50	40	70	70	27	41	M20 x 2.5P
BT50 CSMA40 100 AD/2.5G 25000 SL SP.S	K10103125148232	50	40	70	100	27	41	M20 x 2.5P
BT50 CSMA40 130 AD/2.5G 25000 SL SP.S	K10103125165232	50	40	70	130	27	41	M20 x 2.5P
BT50 CSMA40 160 AD/2.5G 25000 SL SP.S	K10103125175232	50	40	70	160	27	41	M20 x 2.5P

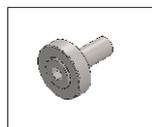
Accessories:



CSMA DRIVER RING



CSMA KEY



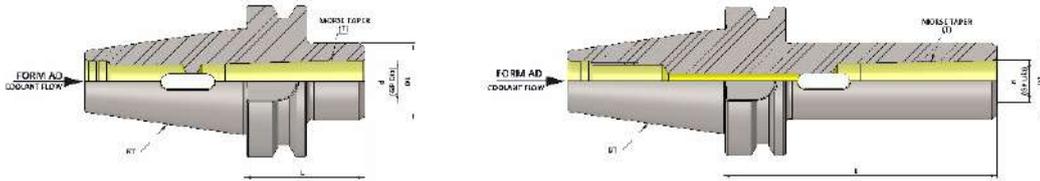
FMH / CSMA CLAMPING SCREW

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Morse Taper Adaptor (DIN 6383) (MTA)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



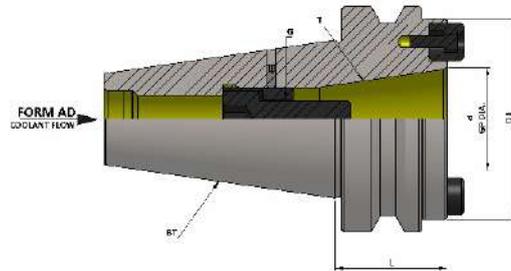
BT (MAS 403) MTA				(Balanced to 6.3 G 15000 RPM)			
Item Name	Item Code	ISO	Morse Taper(T)	d (GP)	D1	L	
BT30 MT01 050 6.3G 15000 SL	K10101447111122	30	1	12.065	25	50	
BT30 MT02 060 6.3G 15000 SL	K10101448117122	30	2	17.780	32	60	
BT30 MT03 075 6.3G 15000 SL	K10101449127122	30	3	23.825	40	75	
BT40 MT01 050 6.3G 15000 SL	K10102447111122	40	1	12.065	25	50	
BT40 MT01 115 6.3G 15000 SL	K10102447159122	40	1	12.065	25	115	
BT40 MT02 050 6.3G 15000 SL	K10102448111122	40	2	17.780	32	50	
BT40 MT02 125 6.3G 15000 SL	K10102448164122	40	2	17.780	32	125	
BT40 MT03 070 6.3G 15000 SL	K10102449125122	40	3	23.825	40	70	
BT40 MT03 140 6.3G 15000 SL	K10102449169122	40	3	23.825	40	140	
BT40 MT04 095 6.3G 15000 SL	K10102451145122	40	4	31.267	48	95	
BT50 MT01 050 6.3G 15000 SL	K10103447111122	50	1	12.065	25	50	
BT50 MT01 120 6.3G 15000 SL	K10103447162122	50	1	12.065	25	120	
BT50 MT02 060 6.3G 15000 SL	K10103448117122	50	2	17.780	32	60	
BT50 MT02 140 6.3G 15000 SL	K10103448169122	50	2	17.780	32	140	
BT50 MT03 065 6.3G 15000 SL	K10103449123122	50	3	23.825	40	65	
BT50 MT03 150 6.3G 15000 SL	K10103449173122	50	3	23.825	40	150	
BT50 MT04 095 6.3G 15000 SL	K10103451145122	50	4	31.267	48	95	
BT50 MT04 180 6.3G 15000 SL	K10103451178122	50	4	31.267	48	180	
BT50 MT05 120 6.3G 15000 SL	K10103450162122	50	5	44.399	63	120	
BT50 MT05 220 6.3G 15000 SL	K10103450180122	50	5	44.399	63	220	

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Reduction Sleeve



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied

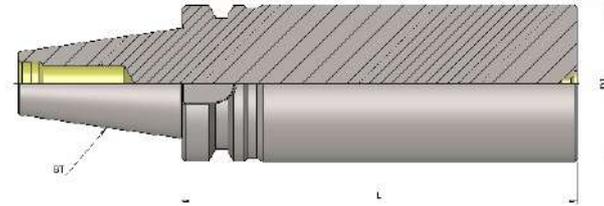


BT (MAS 403) Reduction Sleeve

Item Name	Item Code	ISO	d (GP)	D1	T	L	G
BT50 x BT40 REDUCTION SLEEVE	K10103345486127	50	44.45	88.80	7.24	49	M16

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Boring Bar Blank



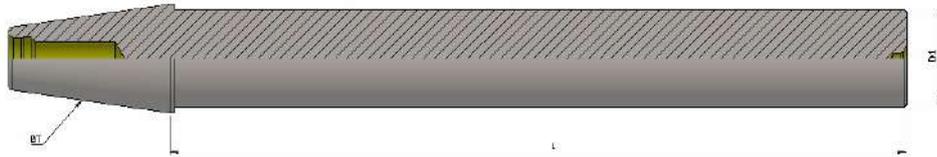
BT (MAS 403) Boring Bar Blank				
Item Name	Item Code	ISO	D1	L
BT30 BORING BAR BLANK DIA 50.0 L 175	K10101266328127	30	50	175
BT40 BORING BAR BLANK DIA 63.5 L 120	K10102173498127	40	63.5	120
BT40 BORING BAR BLANK DIA 63.5 L 160	K10102173330127	40	63.5	160
BT40 BORING BAR BLANK DIA 63.5 L 250	K10102173256224	40	63.5	250
BT50 BORING BAR BLANK DIA 80.0 L 160	K10103264330127	50	80	160
BT50 BORING BAR BLANK DIA 80.0 L 200	K10103264237127	50	80	200
BT50 BORING BAR BLANK DIA 80.0 L 300	K10103264257127	50	80	300
BT50 BORING BAR BLANK DIA 97.0 L 315	K10103265329127	50	97	315

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388-2) Master Mandrell



Maximum Run out of the External Dia with respect to the External Taper 0.003 mm as supplied



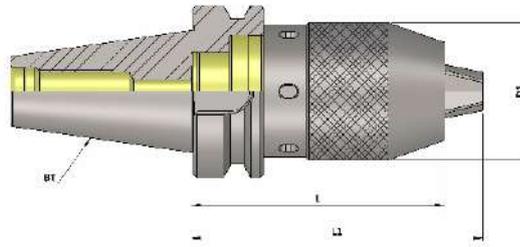
BT (MAS 403) Master Mandrell		(Sub Zero Treated)		
Item Name	Item Code	ISO	D1	L
BT30 MAS 403 MASTER MANDRELL DIA 32 L 250	K10192164256127	30	32	250
BT40 MAS 403 MASTER MANDRELL DIA 40 L 300	K10102166257127	40	40	300
BT50 MAS 403 MASTER MANDRELL DIA 50 L 350	K10103166258127	50	50	350

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) NC Drill Chuck (NCDC)



Maximum Run out on the Mandrell with respect to the External Taper 0.050 mm as supplied



BT (MAS 403) (NCDC)					
Item Name	Item Code	ISO	D1	L	L1
BT30 NCDC113 112.5	K10101167345122	30	50	112.5	125
BT40 NCDC113 092.5	K10102167143110	40	50	92.5	105
BT50 NCDC113 107.5	K10103167151110	50	50	107.5	120

Accessories:



SPANNER NCDC

Note: All Dimensions are in mm

Application:

- For Mounting of Screw type Modular Milling Cutters.
- Slim Design & hence easy to reach at deep cavities.
- Unibody Construction.
- All "KTA" Milling Cutter Arbors are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

Available In Mountings:

- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)

Balancing:

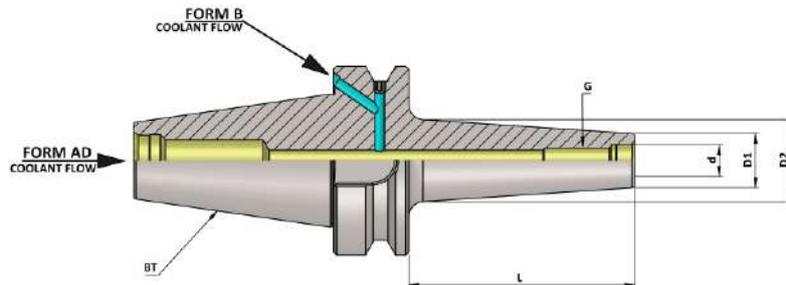
- Balanced To 2.5 G 25000RPM



BT (MAS 403) (DIN ISO 7388 - 2) Milling Cutter Arbor (MCA) (AD+B) (JD/JF)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



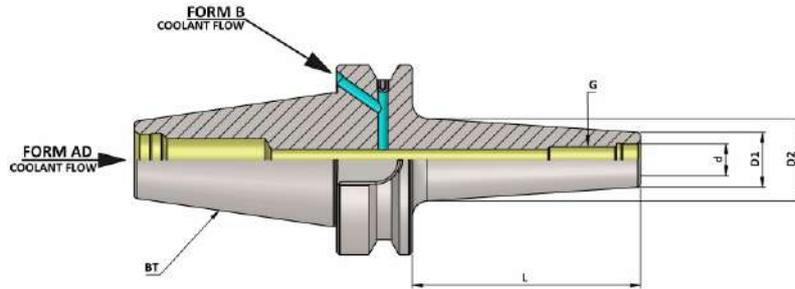
BT (MAS 403) (MCA) (AD+B) (JD/JF)			(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	d	D1	D2	G	L
BT40 MCA06 025 AD+B/2.5G 25000 SL	K10102137101230	40	6.50	10	13	M6	25
BT40 MCA06 050 AD+B/2.5G 25000 SL	K10102137111230	40	6.50	10	20	M6	50
BT40 MCA06 075 AD+B/2.5G 25000 SL	K10102137127230	40	6.50	10	23	M6	75
BT40 MCA08 025 AD+B/2.5G 25000 SL	K10102138101230	40	8.50	13	15	M8	25
BT40 MCA08 050 AD+B/2.5G 25000 SL	K10102138111230	40	8.50	13	23	M8	50
BT40 MCA08 075 AD+B/2.5G 25000 SL	K10102138127230	40	8.50	13	23	M8	75
BT40 MCA08 100 AD+B/2.5G 25000 SL	K10102138148230	40	8.50	13	25	M8	100
BT40 MCA10 025 AD+B/2.5G 25000 SL	K10102139101230	40	10.50	18	20	M10	25
BT40 MCA10 050 AD+B/2.5G 25000 SL	K10102139111230	40	10.50	18	23	M10	50
BT40 MCA10 075 AD+B/2.5G 25000 SL	K10102139127230	40	10.50	18	28	M10	75
BT40 MCA10 100 AD+B/2.5G 25000 SL	K10102139148230	40	10.50	18	32	M10	100
BT40 MCA12 025 AD+B/2.5G 25000 SL	K10102140101230	40	12.50	21	24	M12	25
BT40 MCA12 050 AD+B/2.5G 25000 SL	K10102140111230	40	12.50	21	24	M12	50
BT40 MCA12 075 AD+B/2.5G 25000 SL	K10102140127230	40	12.50	21	31	M12	75
BT40 MCA12 100 AD+B/2.5G 25000 SL	K10102140148230	40	12.50	21	33	M12	100
BT40 MCA12 125 AD+B/2.5G 25000 SL	K10102140164230	40	12.50	21	36	M12	125
BT40 MCA16 025 AD+B/2.5G 25000 SL	K10102141101230	40	17	29	29	M16	25
BT40 MCA16 050 AD+B/2.5G 25000 SL	K10102141111230	40	17	29	34	M16	50
BT40 MCA16 075 AD+B/2.5G 25000 SL	K10102141127230	40	17	29	34	M16	75
BT40 MCA16 100 AD+B/2.5G 25000 SL	K10102141148230	40	17	29	36	M16	100
BT40 MCA16 125 AD+B/2.5G 25000 SL	K10102141164230	40	17	29	40	M16	125
BT40 MCA16 150 AD+B/2.5G 25000 SL	K10102141173230	40	17	29	42.5	M16	150

Note: All Dimensions are in mm

BT (MAS 403) (DIN ISO 7388 - 2) Milling Cutter Arbor (MCA) (AD+B) (JD/JF)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



BT (MAS 403) (MCA) (AD+B) (JD/JF)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	d	D1	D2	G	L
BT50 MCA08 050 AD+B/2.5G 25000 SL	K10103138111140	50	8.50	13	23.00	M8	50
BT50 MCA08 100 AD+B/2.5G 25000 SL	K10103138148140	50	8.50	13	25.00	M8	100
BT50 MCA08 150 AD+B/2.5G 25000 SL	K10103138173140	50	8.50	13	30.00	M8	150
BT50 MCA10 050 AD+B/2.5G 25000 SL	K10103139111140	50	10.50	18	23.00	M10	50
BT50 MCA10 100 AD+B/2.5G 25000 SL	K10103139148140	50	10.50	18	32.00	M10	100
BT50 MCA10 150 AD+B/2.5G 25000 SL	K10103139173140	50	10.50	18	36.50	M10	150
BT50 MCA12 050 AD+B/2.5G 25000 SL	K10103140111230	50	12.50	21	24.00	M12	50
BT50 MCA12 100 AD+B/2.5G 25000 SL	K10103140148230	50	12.50	21	33.00	M12	100
BT50 MCA12 150 AD+B/2.5G 25000 SL	K10103140173140	50	12.50	21	40.00	M12	150
BT50 MCA16 050 AD+B/2.5G 25000 SL	K10103141111230	50	17	29	34.00	M16	50
BT50 MCA16 100 AD+B/2.5G 25000 SL	K10103141148140	50	17	29	36.00	M16	100
BT50 MCA16 150 AD+B/2.5G 25000 SL	K10103141173140	50	17	29	42.50	M16	150

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant supply only.

Features:

- Quick Change features to suit KTA-Quick Change Adaptors with and without safety clutch.
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences.
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

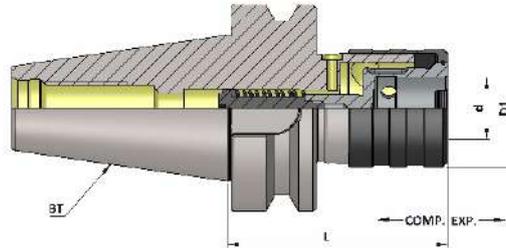
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- VDI Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



BT (MAS 403) (DIN ISO 7388 - 2) Quick Change Tapping Chuck (KWFLK)



BT (MAS 403) (KWFLK)

Item Name	Item Code	ISO	Capacity	Suitable Adaptor	Compr.	Expan.	d	D1	L
BT30 KWFLK1 64.0	K10101169278127	30	M3-M12	KWES1B	7.50	7.50	19	36	64
BT30 KWFLK2 99.0	K10101170457127	30	M6-M20	KWES2B	12.50	12.50	31	53	99
BT40 KWFLK1 67.5	K10102169124127	40	M3-M12	KWES1B	7.50	7.50	19	36	67.5
BT40 KWFLK2 94.5	K10102170144127	40	M6-M20	KWES2B	12.50	12.50	31	53	94.5
BT40 KWFLK3 164.5	K10102171176127	40	M14-M33	KWES3B	20.00	20.00	48	78	164.5
BT40 KWFLK4 180.0	K10102172478127	40	M22-M48	KWES4B	22.50	22.50	60	96	180.0
BT50 KWFLK1 77.0	K10103169279127	50	M3-M12	KWES1B	7.50	7.50	19	36	77.0
BT50 KWFLK2 102.5	K10103170280127	50	M6-M20	KWES2B	12.50	12.50	31	53	102.5
BT50 KWFLK3 142.5	K10103171171127	50	M14-M33	KWES3B	20.00	20.00	48	78	142.5
BT50 KWFLK4 164.5	K10103172176127	50	M22-M48	KWES4B	22.50	22.50	60	96	164.5

Accessories:



Tap Adaptor KWES B & KWESK B



Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

Precision Tool Holders
KBT (BT MAS 403) (DIN ISO 7388-2)
(Taper & Face Contact Holders)



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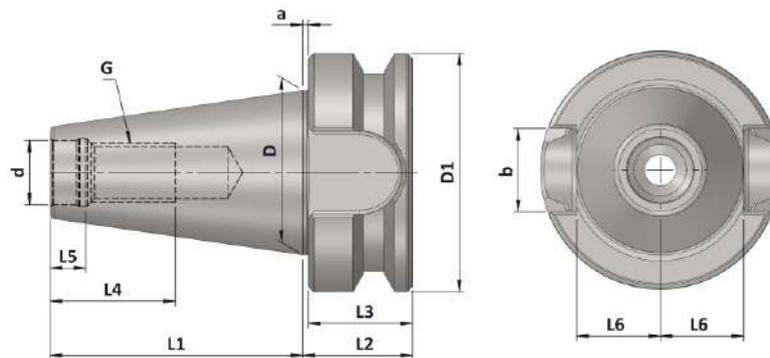
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KBT (MAS 403) (DIN ISO 7388 - 2): Technical Information



KBT (BT MAS 403) (DIN ISO 7388-2)



ISO	d	D	D1	a	b	G	L1	L2	L3	L4	L5	L6
30	12.5	31.75	46	1	16.1	M12	48.4	21	20	24	7.0	16.3
40	17	44.45	63	1	16.1	M16	65.4	27	26	32	9.0	22.6
50	25	69.85	100	1.5	25.7	M24	101.8	38	36.5	47	13.0	35.4

Features:

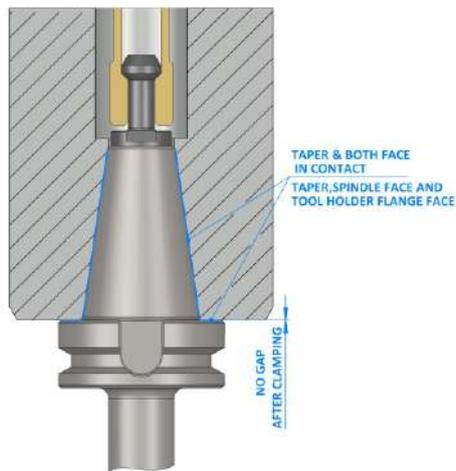
- KBT Tool Holder Provides More "Rigid" Clamping than the Standard " BT" Tool Holders.
- Achieves Higher " Radial Ragidity"
- Improves Tool Life.
- Balanced to 2.5 G, 25000RPM

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

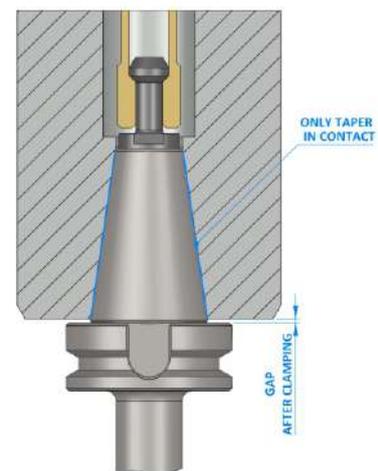
Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

Accuracy :- 7:24 Taper Angle Class AT 3 As per DIN 2080

**KBT Holder
After Clamping**



**BT Holder
After Clamping**



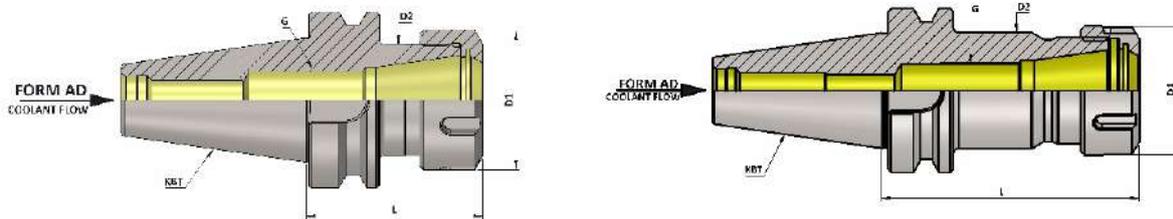
In KBT Tool Holder as Mentioned Taper and both faces are in contact, due to which spindle and holder acts as one single unit, this allows a Higher "Radial Rigidity" hence we get good surface finish and dimensional accuracy while machining, also low vibration at higher speeds which increases Tool Life. hence KBT Tool Holder has a remarkable significant as compared to Standard Tool Holders.

Note : KBT Tool holders are only recommended to use in Calibrated KBT Spindle Machines.

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) Collet Chuck ER (AD) (JD)					(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
KBT30 ER 16 060 AD/2.5G 25000 SL	K10307149117110	30	ER 16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
KBT30 ER 16 100 AD/2.5G 25000 SL	K10307149148110	30	ER 16	0.5-10	32	-	M10X1P	100	UM/ER16	E16	
KBT30 ER 16 160 AD/2.5G 25000 SL	K10345662622309	30	ER 16	0.5-10	32	-	M10X1P	160	UM/ER16	E16	
KBT30 ER 20 060 AD/2.5G 25000 SL	K10307150117110	30	ER 20	1.0-13	35	-	M10X1P	60	UM/ER20	E20	
KBT30 ER 20 100 AD/2.5G 25000 SL	K10307150148110	30	ER 20	1.0-13	35	-	M10X1P	100	UM/ER20	E20	
KBT30 ER 25 060 AD/2.5G 25000 SL	K10307151117110	30	ER 25	1.0-16	42	-	M18X1P	60	UM/ER25	E25	
KBT30 ER 25 100 AD/2.5G 25000 SL	K10307151148110	30	ER 25	1.0-16	42	-	M18X1P	100	UM/ER25	E25	
KBT30 ER 32 050 AD/2.5G 25000 SL	K10307152111228	30	ER 32	2.0-20	50	-	M22X1.5P	50	UM/ER32	E32	
KBT30 ER 32 060 AD/2.5G 25000 SL	K10307152117110	30	ER 32	2.0-20	50	-	M22X1.5P	60	UM/ER32	E32	
KBT30 ER 32 100 AD/2.5G 25000 SL	K10307152148110	30	ER 32	2.0-20	50	-	M22X1.5P	100	UM/ER32	E32	
KBT30 ER 40 080 AD/2.5G 25000 SL	K10307153131110	30	ER 40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



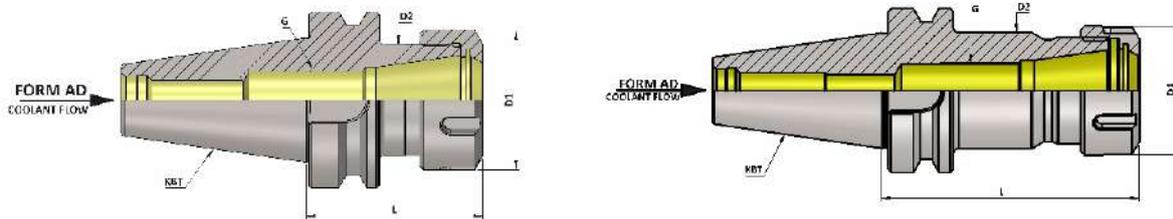
SPANNER E

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) Collet Chuck ER (AD) (JD)					(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
KBT40 ER 16 070 AD/2.5G 25000 SL	K10291149125110	40	ER 16	0.5-10	32	-	M10X1P	70	UM/ER16	E16	
KBT40 ER 16 100 AD/2.5G 25000 SL	K10291149148110	40	ER 16	0.5-10	32	28	M10X1P	100	UM/ER16	E16	
KBT40 ER 16 130 AD/2.5G 25000 SL	K10314149165228	40	ER 16	0.5-10	32	28	M10X1P	130	UM/ER16	E16	
KBT40 ER 16 160 AD/2.5G 25000 SL	K10291149175110	40	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16	
KBT40 ER 20 070 AD/2.5G 25000 SL	K10291150125110	40	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20	
KBT40 ER 20 100 AD/2.5G 25000 SL	K10291150148110	40	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20	
KBT40 ER 20 130 AD/2.5G 25000 SL	K10314150165228	40	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20	
KBT40 ER 20 160 AD/2.5G 25000 SL	K10291150175110	40	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20	
KBT40 ER 25 070 AD/2.5G 25000 SL	K10291151125110	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
KBT40 ER 25 100 AD/2.5G 25000 SL	K10291151148110	40	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25	
KBT40 ER 25 130 AD/2.5G 25000 SL	K10314151165228	40	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25	
KBT40 ER 25 160 AD/2.5G 25000 SL	K10291151175110	40	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25	
KBT40 ER 32 070 AD/2.5G 25000 SL	K10291152125110	40	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32	
KBT40 ER 32 100 AD/2.5G 25000 SL	K10291152148110	40	ER32	2.0-20	50	48	M22X1.5P	100	UM/ER32	E32	
KBT40 ER 32 130 AD/2.5G 25000 SL	K10314152165228	40	ER32	2.0-20	50	48	M22X1.5P	130	UM/ER32	E32	
KBT40 ER 32 160 AD/2.5G 25000 SL	K10291152175110	40	ER32	2.0-20	50	48	M22X1.5P	160	UM/ER32	E32	
KBT40 ER 40 070 AD/2.5G 25000 SL	K10291153125110	40	ER40	3.0-26	63	-	M30X1.5P	70	UM/ER40	E40	
KBT40 ER 40 100 AD/2.5G 25000 SL	K10291153148110	40	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40	
KBT40 ER 40 130 AD/2.5G 25000 SL	K10314153165228	40	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40	
KBT40 ER 40 160 AD/2.5G 25000 SL	K10291153175110	40	ER40	3.0-26	63	-	M30X1.5P	160	UM/ER40	E40	
KBT40 ER 50 100 AD/2.5G 25000 SL	K10291154148110	40	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



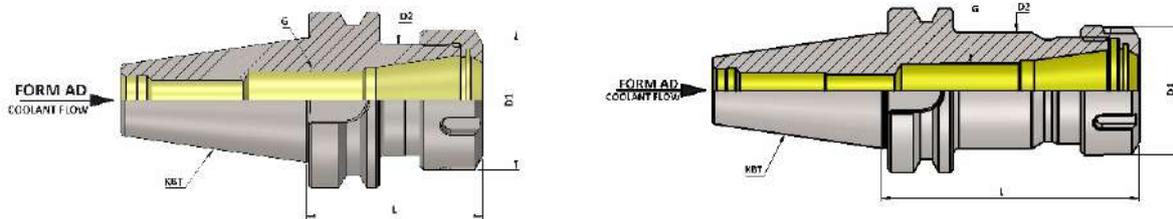
SPANNER E

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) Collet Chuck ER (AD) (JD)					(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
KBT50 ER 16 080 AD/2.5G 25000 SL	K10308149131110	50	ER16	0.5-10	32	-	M10X1P	80	UM/ER16	E16	
KBT50 ER 16 100 AD/2.5G 25000 SL	K10308149148110	50	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16	
KBT50 ER 16 130 AD/2.5G 25000 SL	K10315149165228	50	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16	
KBT50 ER 16 160 AD/2.5G 25000 SL	K10308149175110	50	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16	
KBT50 ER 20 100 AD/2.5G 25000 SL	K10308150148110	50	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20	
KBT50 ER 20 130 AD/2.5G 25000 SL	K10315150165228	50	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20	
KBT50 ER 20 160 AD/2.5G 25000 SL	K10308150175110	50	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20	
KBT50 ER 25 080 AD/2.5G 25000 SL	K10308151131110	50	ER25	1.0-16	42	-	M18X1P	80	UM/ER25	E25	
KBT50 ER 25 100 AD/2.5G 25000 SL	K10308151148110	50	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25	
KBT50 ER 25 130 AD/2.5G 25000 SL	K10315151165228	50	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25	
KBT50 ER 25 160 AD/2.5G 25000 SL	K10308151175110	50	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25	
KBT50 ER 32 080 AD/2.5G 25000 SL	K10308152131110	50	ER32	2.0-20	50	-	M22X1.5P	80	UM/ER32	E32	
KBT50 ER 32 100 AD/2.5G 25000 SL	K10308152148110	50	ER32	2.0-20	50	45	M22X1.5P	100	UM/ER32	E32	
KBT50 ER 32 130 AD/2.5G 25000 SL	K10315152165228	50	ER32	2.0-20	50	45	M22X1.5P	130	UM/ER32	E32	
KBT50 ER 32 160 AD/2.5G 25000 SL	K10308152175110	50	ER32	2.0-20	50	45	M22X1.5P	160	UM/ER32	E32	
KBT50 ER 40 080 AD/2.5G 25000 SL	K10308153131110	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	
KBT50 ER 40 100 AD/2.5G 25000 SL	K10308153148110	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40	
KBT50 ER 40 130 AD/2.5G 25000 SL	K10315153165228	50	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40	
KBT50 ER 40 160 AD/2.5G 25000 SL	K10308153175110	50	ER40	3.0-26	63	60	M30X1.5P	160	UM/ER40	E40	
KBT50 ER 50 100 AD/2.5G 25000 SL	K10308154148110	50	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50	
KBT50 ER 50 160 AD/2.5G 25000 SL	K10308154175110	50	ER50	10.0-34	78	-	M16X2P	160	UM/ER50	E50	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



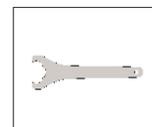
ER NUT



ER STOPPER SCREW



SEALING DISC



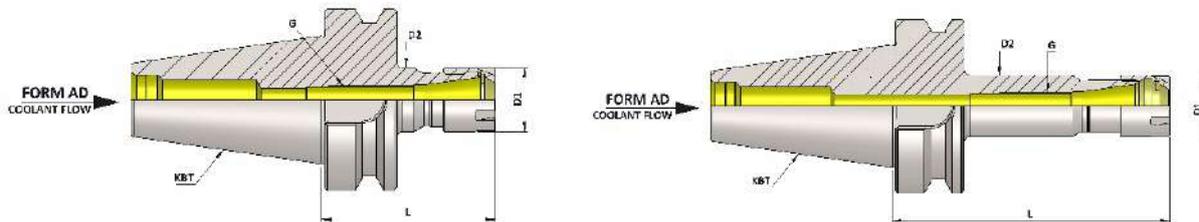
SPANNER E

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER - M Type (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) Collet Chuck ER - M Type (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
KBT30 ER11M 070 AD/2.5G 25000 SL	K10345662917563	30	ER11	0.5-7	16	16	M6X1P	70	ER11M	E11M
KBT40 ER11M 070 AD/2.5G 25000 SL	K10291156125228	40	ER11	0.5-7	16	16	M6X1P	70	ER11M	E11M
KBT40 ER11M 100 AD/2.5G 25000 SL	K10291156148228	40	ER11	0.5-7	16	16	M6X1P	100	ER11M	E11M
KBT40 ER11M 130 AD/2.5G 25000 SL	K10314156165128	40	ER11	0.5-7	16	16	M6X1P	130	ER11M	E11M
KBT40 ER11M 160 AD/2.5G 25000 SL	K10291156175228	40	ER11	0.5-7	16	16	M6X1P	160	ER11M	E11M
KBT40 ER16M 070 AD/2.5G 25000 SL	K10291157125228	40	ER16	0.5-10	22	22	M10X1P	70	ER16M	E16M
KBT40 ER16M 100 AD/2.5G 25000 SL	K10291157148228	40	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M
KBT40 ER16M 120 AD/2.5G 25000 SL	K10291157162228	40	ER16	0.5-10	22	22	M10X1P	120	ER16M	E16M
KBT40 ER16M 130 AD/2.5G 25000 SL	K10314157165128	40	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M
KBT40 ER16M 160 AD/2.5G 25000 SL	K10291157175228	40	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M
KBT40 ER20M 120 AD/2.5G 25000 SL	K10291158162228	40	ER20	1.0-13	28	28	M10X1P	120	ER20M	E20M
KBT40 ER20M 130 AD/2.5G 25000 SL	K10345662107145	40	ER20	1.0-13	28	28	M10X1P	130	ER20M	E20M
KBT40 ER20M 160 AD/2.5G 25000 SL	K10291158175228	40	ER20	1.0-13	28	28	M10X1P	160	ER20M	E20M
KBT40 ER25M 070 AD/2.5G 25000 SL	K10291159125228	40	ER25	1.0-16	35	35	M18X1P	70	ER25M	E25M
KBT40 ER25M 100 AD/2.5G 25000 SL	K10291159148228	40	ER25	1.0-16	35	35	M18X1P	100	ER25M	E25M
KBT40 ER25M 120 AD/2.5G 25000 SL	K10291159162228	40	ER25	1.0-16	35	35	M18X1P	120	ER25M	E25M
KBT40 ER25M 130 AD/2.5G 25000 SL	K10345664107145	40	ER25	1.0-16	35	35	M18X1P	130	ER25M	E25M
KBT40 ER25M 160 AD/2.5G 25000 SL	K10291159175228	40	ER25	1.0-16	35	35	M18X1P	160	ER25M	E25M
KBT50 ER16M 100 AD/2.5G 25000 SL	K10315157148129	50	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M
KBT50 ER16M 130 AD/2.5G 25000 SL	K10315157165129	50	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M
KBT50 ER16M 160 AD/2.5G 25000 SL	K10315157175129	50	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



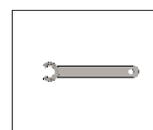
ER M NUT



ER STOPPER SCREW



SEALING DISC



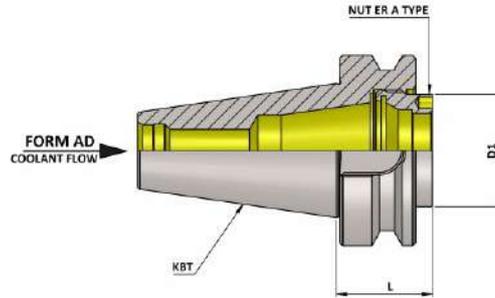
E - M SPANNER

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Short Length Collet Chuck ER-A (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) Short Length Collet Chuck ER - A						(Balanced to 2.5 G 25000 RPM)		
Item Name	Item Code	ISO	Suitable Collet	Collet Capacity	D1	L	Suitable Nut	
KBT30 ER 25A 27 AD/2.5G 25000 SL	K10307243500228	30	ER 25	1-16	32	27	ER25A	
KBT40 ER 32A 32 AD/2.5G 25000 SL	K10345662621563	40	ER 32	2-20	40	32	ER32A	
KBT50 ER 32A 43 AD/2.5G 25000 SL	K10345662624563	50	ER 32	2-20	40	43	ER32A	

Accessories:



ER COLLET (DIN 6499)



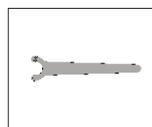
ER TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



ER A TYPE NUT



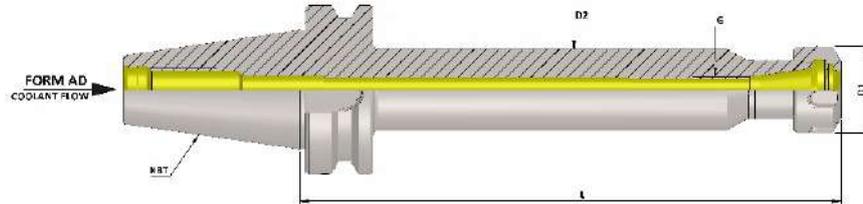
ER A TYPE SPANNER

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER Long Series (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) Collet Chuck ER (AD) (JD)										
ITEM NAME	ITEM CODE	ISO	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
KBT40 ER 16 200 AD	K10314149239543	40	ER 16	0.5-10	32	30	200	M10 X 1.5P	UM/ER16	E16
KBT40 ER 16 250 AD	K10314149182543	40	ER 16	0.5-10	32	30	250	M10 X 1.5P	UM/ER16	E16
KBT40 ER 16 300 AD	K10314149183543	40	ER 16	0.5-10	32	30	300	M10 X 1.5P	UM/ER16	E16
KBT40 ER 20 200 AD	K10314150239543	40	ER 20	1.0-13	35	34	200	M10 X 1.5P	UM/ER20	E20
KBT40 ER 20 250 AD	K10314150182543	40	ER 20	1.0-13	35	34	250	M10 X 1.5P	UM/ER20	E20
KBT40 ER 20 300 AD	K10314150183543	40	ER 20	1.0-13	35	34	300	M10 X 1.5P	UM/ER20	E20
KBT40 ER 25 200 AD	K10314635239543	40	ER 25	1.0-16	42	40	200	M16 X 2P	UM/ER25	E25
KBT40 ER 25 250 AD	K10314635182543	40	ER 25	1.0-16	42	40	250	M16 X 2P	UM/ER25	E25
KBT40 ER 25 300 AD	K10314635183543	40	ER 25	1.0-16	42	40	300	M16 X 2P	UM/ER25	E25
KBT40 ER 32 200 AD	K10314152239543	40	ER 32	2.0-20	50	48	200	M16 X 2P	UM/ER32	E32
KBT40 ER 32 250 AD	K10314152182543	40	ER 32	2.0-20	50	48	250	M16 X 2P	UM/ER32	E32
KBT40 ER 32 300 AD	K10314152183543	40	ER 32	2.0-20	50	48	300	M16 X 2P	UM/ER32	E32
KBT40 ER 40 200 AD	K10314153239543	40	ER 40	3.0-26	63	52	200	M16 X 2P	UM/ER40	E40
KBT40 ER 40 250 AD	K10314153182543	40	ER 40	3.0-26	63	52	250	M16 X 2P	UM/ER40	E40
KBT40 ER 40 300 AD	K10314153183543	40	ER 40	3.0-26	63	52	300	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



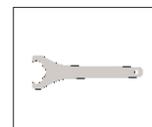
ER NUT



ER STOPPER SCREW



SEALING DISC



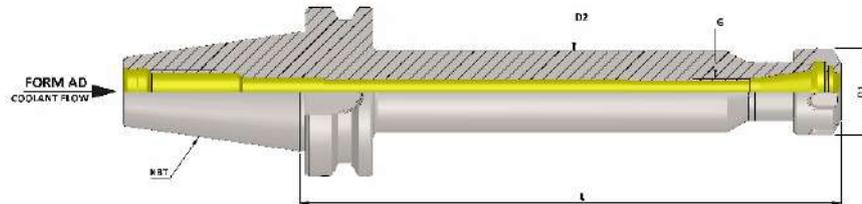
SPANNER E

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Collet Chuck ER Long Series (DIN 6499) (AD) (JD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) Collet Chuck ER (AD) (JD)										
ITEM NAME	ITEM CODE	ISO	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
KBT50 ER 16 200 AD	K10315149239543	50	ER 16	0.5-10	32	30	200	M10 X 1.5P	UM/ER16	E16
KBT50 ER 16 250 AD	K10315149182543	50	ER 16	0.5-10	32	30	250	M10 X 1.5P	UM/ER16	E16
KBT50 ER 16 300 AD	K10315149183543	50	ER 16	0.5-10	32	30	300	M10 X 1.5P	UM/ER16	E16
KBT50 ER 16 350 AD	K10315149184543	50	ER 16	0.5-10	32	30	350	M10 X 1.5P	UM/ER16	E16
KBT50 ER 16 400 AD	K10315149540543	50	ER 16	0.5-10	32	30	400	M10 X 1.5P	UM/ER16	E16
KBT50 ER 20 200 AD	K10315150239543	50	ER 20	1.0-13	35	34	200	M10 X 1.5P	UM/ER20	E20
KBT50 ER 20 250 AD	K10315150182543	50	ER 20	1.0-13	35	34	250	M10 X 1.5P	UM/ER20	E20
KBT50 ER 20 300 AD	K10315150183543	50	ER 20	1.0-13	35	34	300	M10 X 1.5P	UM/ER20	E20
KBT50 ER 20 350 AD	K10315150184543	50	ER 20	1.0-13	35	34	350	M10 X 1.5P	UM/ER20	E20
KBT50 ER 20 400 AD	K10315150540543	50	ER 20	1.0-13	35	34	400	M10 X 1.5P	UM/ER20	E20
KBT50 ER 25 200 AD	K10315151239543	50	ER 25	1.0-16	42	40	200	M16 X 2P	UM/ER25	E25
KBT50 ER 25 250 AD	K10315151182543	50	ER 25	1.0-16	42	40	250	M16 X 2P	UM/ER25	E25
KBT50 ER 25 300 AD	K10315151183543	50	ER 25	1.0-16	42	40	300	M16 X 2P	UM/ER25	E25
KBT50 ER 25 350 AD	K10315151184543	50	ER 25	1.0-16	42	40	350	M16 X 2P	UM/ER25	E25
KBT50 ER 25 400 AD	K10315151540543	50	ER 25	1.0-16	42	40	400	M16 X 2P	UM/ER25	E25
KBT50 ER 32 200 AD	K10315152239543	50	ER 32	2.0-20	50	48	200	M16 X 2P	UM/ER32	E32
KBT50 ER 32 250 AD	K10315152182543	50	ER 32	2.0-20	50	48	250	M16 X 2P	UM/ER32	E32
KBT50 ER 32 300 AD	K10315152183543	50	ER 32	2.0-20	50	48	300	M16 X 2P	UM/ER32	E32
KBT50 ER 32 350 AD	K10315152184543	50	ER 32	2.0-20	50	48	350	M16 X 2P	UM/ER32	E32
KBT50 ER 32 400 AD	K10315152540543	50	ER 32	2.0-20	50	48	400	M16 X 2P	UM/ER32	E32
KBT50 ER 40 200 AD	K10315153239543	50	ER 40	3.0-26	63	60	200	M16 X 2P	UM/ER40	E40
KBT50 ER 40 250 AD	K10315153182543	50	ER 40	3.0-26	63	60	250	M16 X 2P	UM/ER40	E40
KBT50 ER 40 300 AD	K10315153183543	50	ER 40	3.0-26	63	60	300	M16 X 2P	UM/ER40	E40
KBT50 ER 40 350 AD	K10315153184543	50	ER 40	3.0-26	63	60	350	M16 X 2P	UM/ER40	E40
KBT50 ER 40 400 AD	K10315153540543	50	ER 40	3.0-26	63	60	400	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol. 2 Catalogue)



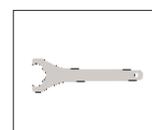
ER NUT



ER STOPPER SCREW



SEALING DISC



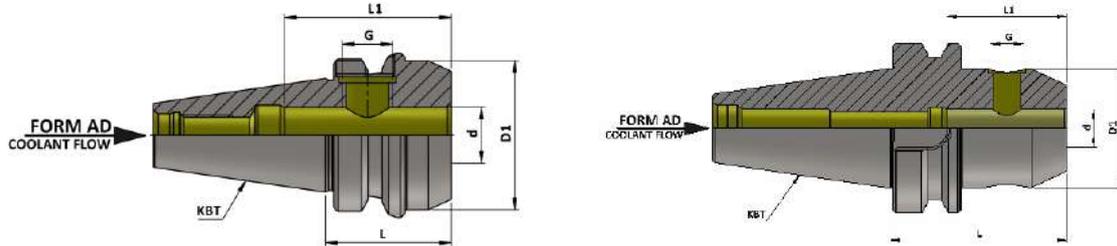
SPANNER E

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holders (DIN 6359) WE (AD) (JD)

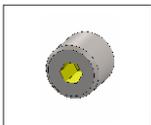


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT30 WE06 35 AD/2.5G 25000 SL	K10307111599228	30	6	25	-	M6	35	34	-	1	
KBT30 WE06 50 AD/2.5G 25000 SL	K10307111111110	30	6	25	-	M6	50	34	-	1	
KBT30 WE08 35 AD/2.5G 25000 SL	K10307112599228	30	8	28	-	M8	35	34	-	1	
KBT30 WE08 50 AD/2.5G 25000 SL	K10307112111110	30	8	28	-	M8	50	34	-	1	
KBT30 WE10 35 AD/2.5G 25000 SL	K10307113599228	30	10	35	-	M10	35	40	-	1	
KBT30 WE10 50 AD/2.5G 25000 SL	K10307113111110	30	10	35	-	M10	50	40	-	1	
KBT30 WE12 35 AD/2.5G 25000 SL	K10307114599228	30	12	42	-	M12	35	46	-	1	
KBT30 WE12 55 AD/2.5G 25000 SL	K10307114115110	30	12	42	-	M12	55	46	-	1	
KBT30 WE14 35 AD/2.5G 25000 SL	K10307258599228	30	14	42	-	M12	35	46	-	1	
KBT30 WE14 55 AD/2.5G 25000 SL	K10307258115110	30	14	44	-	M12	55	46	-	1	
KBT30 WE16 35 AD/2.5G 25000 SL	K10307115599228	30	16	42	-	M14	35	48	-	1	
KBT30 WE16 63 AD/2.5G 25000 SL	K10345662638226	30	16	48	-	M14	63	48	-	1	
KBT30 WE18 35 AD/2.5G 25000 SL	K10307259599228	30	18	42	-	M14	35	48	-	1	
KBT30 WE18 63 AD/2.5G 25000 SL	K10345662475226	30	18	50	-	M14	63	48	-	1	
KBT30 WE20 35 AD/2.5G 25000 SL	K10307116599228	30	20	42	-	M16	35	52	-	1	
KBT30 WE20 70 AD/2.5G 25000 SL	K10345662102226	30	20	52	-	M16	70	52	-	1	

Accessories:



LOCKING SCREW WN

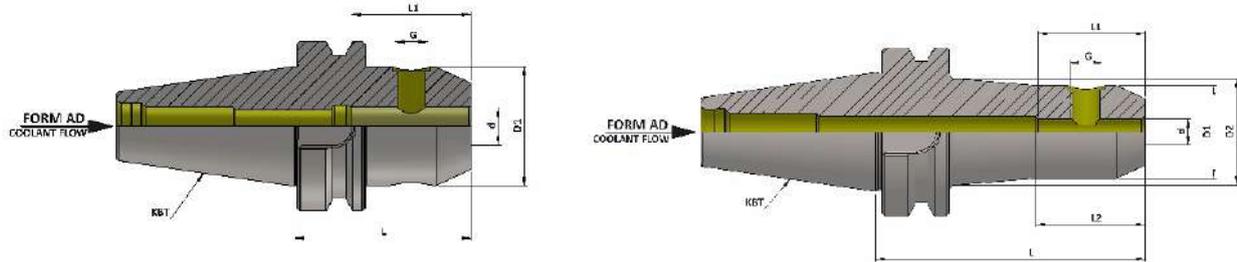
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holders (DIN 6359) WE (AD) (JD)

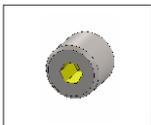


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT40 WE06 050 AD/2.5G 25000 SL	K10291111111110	40	6	25	-	M6	50	34	-	1	
KBT40 WE06 100 AD/2.5G 25000 SL	K10291111148110	40	6	25	36	M6	100	34	40	1	
KBT40 WE06 130 AD/2.5G 25000 SL	K10314669165110	40	6	25	36	M6	130	34	50	1	
KBT40 WE06 160 AD/2.5G 25000 SL	K10291111175110	40	6	25	36	M6	160	34	80	1	
KBT40 WE08 050 AD/2.5G 25000 SL	K10291112111110	40	8	28	-	M8	50	34	-	1	
KBT40 WE08 100 AD/2.5G 25000 SL	K10291112148110	40	8	28	38	M8	100	34	40	1	
KBT40 WE08 130 AD/2.5G 25000 SL	K10314670165110	40	8	28	40	M8	130	34	50	1	
KBT40 WE08 160 AD/2.5G 25000 SL	K10291112175110	40	8	28	40	M8	160	34	80	1	
KBT40 WE10 063 AD/2.5G 25000 SL	K10291113111110	40	10	35	-	M10	63	40	-	1	
KBT40 WE10 100 AD/2.5G 25000 SL	K10291113148110	40	10	35	40	M10	100	40	40	1	
KBT40 WE10 130 AD/2.5G 25000 SL	K10314674165110	40	10	35	40	M10	130	40	50	1	
KBT40 WE10 160 AD/2.5G 25000 SL	K10291113175110	40	10	35	40	M10	160	40	80	1	
KBT40 WE12 063 AD/2.5G 25000 SL	K10291114563110	40	12	42	-	M12	63	46	-	1	
KBT40 WE12 100 AD/2.5G 25000 SL	K10291114148110	40	12	42	-	M12	100	46	-	1	
KBT40 WE12 130 AD/2.5G 25000 SL	K10314672165110	40	12	42	-	M12	130	46	-	1	
KBT40 WE12 160 AD/2.5G 25000 SL	K10291114175110	40	12	42	-	M12	160	46	-	1	
KBT40 WE14 063 AD/2.5G 25000 SL	K10291258563110	40	14	44	-	M12	63	46	-	1	
KBT40 WE14 100 AD/2.5G 25000 SL	K10291258148110	40	14	44	-	M12	100	46	-	1	
KBT40 WE14 130 AD/2.5G 25000 SL	K10314675165110	40	14	44	-	M12	130	46	-	1	
KBT40 WE14 160 AD/2.5G 25000 SL	K10291258175110	40	14	44	-	M12	160	46	-	1	

Accessories:



LOCKING SCREW WN

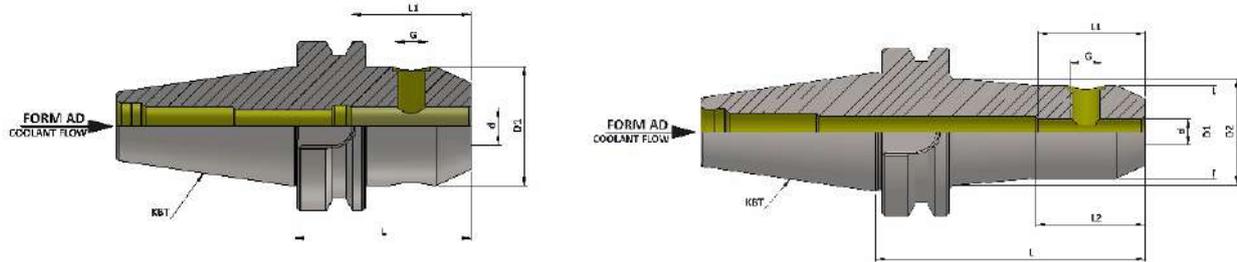
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holders (DIN 6359) WE (AD) (JD)

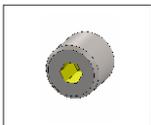


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) WE (AD) (JD)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT40 WE16 063 AD/2.5G 25000 SL	K10291115563110	40	16	48	-	M14	63	48	-	1	
KBT40 WE16 100 AD/2.5G 25000 SL	K10291115148110	40	16	48	-	M14	100	48	-	1	
KBT40 WE16 130 AD/2.5G 25000 SL	K10314632165110	40	16	48	-	M14	130	48	-	1	
KBT40 WE16 160 AD/2.5G 25000 SL	K10291115175110	40	16	48	-	M14	160	48	-	1	
KBT40 WE18 063 AD/2.5G 25000 SL	K10291259563110	40	18	50	-	M14	63	48	-	1	
KBT40 WE18 100 AD/2.5G 25000 SL	K10291259148110	40	18	50	-	M14	100	48	-	1	
KBT40 WE18 130 AD/2.5G 25000 SL	K10314676165110	40	18	50	-	M14	130	48	-	1	
KBT40 WE18 160 AD/2.5G 25000 SL	K10291259175110	40	18	50	-	M14	160	48	-	1	
KBT40 WE20 063 AD/2.5G 25000 SL	K10291116563110	40	20	52	-	M16	63	52	-	1	
KBT40 WE20 100 AD/2.5G 25000 SL	K10291116148110	40	20	52	-	M16	100	52	-	1	
KBT40 WE20 130 AD/2.5G 25000 SL	K10314633165110	40	20	52	-	M16	130	52	-	1	
KBT40 WE20 160 AD/2.5G 25000 SL	K10291116175110	40	20	52	-	M16	160	52	-	1	
KBT40 WE25 090 AD/2.5G 25000 SL	K10291117140110	40	25	65	-	M18X2	90	56	-	2	
KBT40 WE25 130 AD/2.5G 25000 SL	K10314673165110	40	25	65	-	M18X2	130	56	-	2	
KBT40 WE25 160 AD/2.5G 25000 SL	K10291117175110	40	25	65	-	M18X2	160	56	-	2	
KBT40 WE32 100 AD/2.5G 25000 SL	K10291118148110	40	32	72	-	M20X2	100	60	-	2	
KBT40 WE32 130 AD/2.5G 25000 SL	K10314677165110	40	32	72	-	M20X2	130	60	-	2	
KBT40 WE32 160 AD/2.5G 25000 SL	K10291118175110	40	32	72	-	M20X2	160	60	-	2	
KBT40 WE40 105 AD/2.5G 25000 SL	K10291119152110	40	40	80	-	M20X2	105	70	-	2	
KBT40 WE40 130 AD/2.5G 25000 SL	K10314678165110	40	40	80	-	M20X2	130	70	-	2	
KBT40 WE40 160 AD/2.5G 25000 SL	K10291119175110	40	40	80	-	M20X2	160	70	-	2	

Accessories:



LOCKING SCREW WN

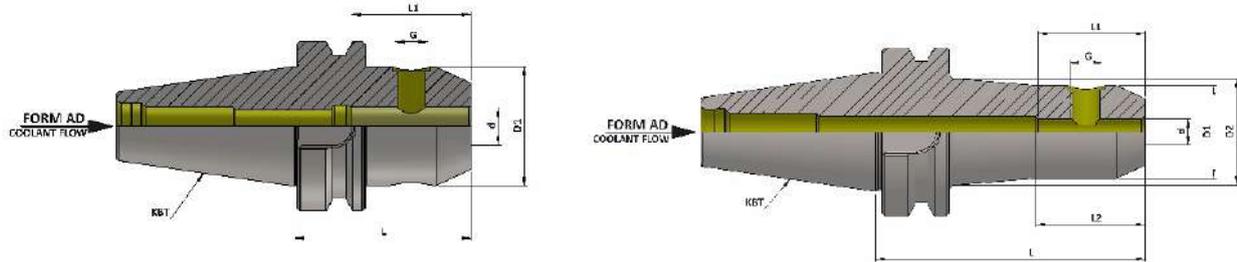
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holders (DIN 6359) WE (AD) (JD)

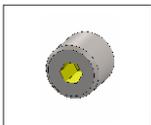


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT50 WE06 063 AD/2.5G 25000 SL	K10308111563110	50	6	25	-	M6	63	34	-	1	
KBT50 WE06 100 AD/2.5G 25000 SL	K10308111148110	50	6	25	36	M6	100	34	35	1	
KBT50 WE06 130 AD/2.5G 25000 SL	K10315669165110	50	6	25	43	M6	130	34	50	1	
KBT50 WE06 160 AD/2.5G 25000 SL	K10308111175110	50	6	25	43	M6	160	34	80	1	
KBT50 WE08 063 AD/2.5G 25000 SL	K10308112563110	50	8	28	-	M8	63	34	-	1	
KBT50 WE08 100 AD/2.5G 25000 SL	K10308112148110	50	8	28	38	M8	100	34	35	1	
KBT50 WE08 130 AD/2.5G 25000 SL	K10315670165110	50	8	28	46	M8	130	34	50	1	
KBT50 WE08 160 AD/2.5G 25000 SL	K10308112175110	50	8	28	46	M8	160	34	80	1	
KBT50 WE10 080 AD/2.5G 25000 SL	K10308113563110	50	10	35	-	M10	80	40	-	1	
KBT50 WE10 100 AD/2.5G 25000 SL	K10308113148110	50	10	35	42	M10	100	40	35	1	
KBT50 WE10 130 AD/2.5G 25000 SL	K10315674165110	50	10	35	49	M10	130	40	50	1	
KBT50 WE10 160 AD/2.5G 25000 SL	K10308113175110	50	10	35	49	M10	160	40	80	1	
KBT50 WE12 080 AD/2.5G 25000 SL	K10308114563110	50	12	42	-	M12	80	46	-	1	
KBT50 WE12 100 AD/2.5G 25000 SL	K10308114148110	50	12	42	48	M12	100	46	35	1	
KBT50 WE12 130 AD/2.5G 25000 SL	K10315672165110	50	12	42	55	M12	130	46	50	1	
KBT50 WE12 160 AD/2.5G 25000 SL	K10308114175110	50	12	42	55	M12	160	46	80	1	
KBT50 WE14 080 AD/2.5G 25000 SL	K10308258563110	50	14	44	-	M12	80	46	-	1	
KBT50 WE14 100 AD/2.5G 25000 SL	K10308258148110	50	14	44	50	M12	100	46	35	1	
KBT50 WE14 130 AD/2.5G 25000 SL	K10315675165110	50	14	44	56	M12	130	46	50	1	
KBT50 WE14 160 AD/2.5G 25000 SL	K10308258175110	50	14	44	56	M12	160	46	80	1	

Accessories:



LOCKING SCREW WN

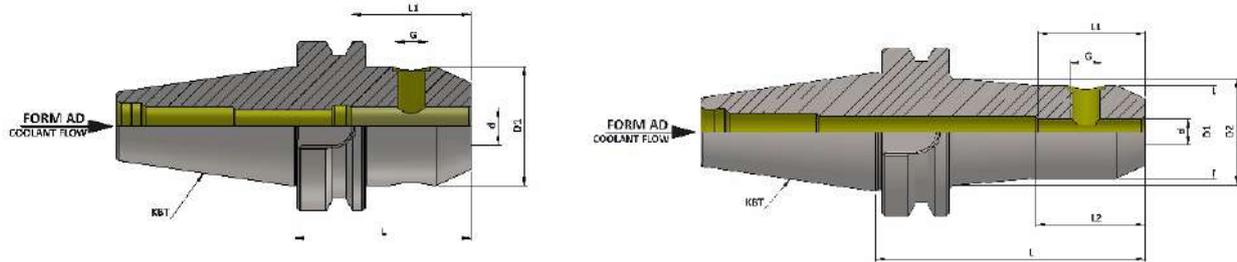
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holders (DIN 6359) WE (AD) (JD)

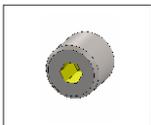


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) WE (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT50 WE16 080 AD/2.5G 25000 SL	K10308115563110	50	16	48	-	M14	80	48	-	1	
KBT50 WE16 100 AD/2.5G 25000 SL	K10308115148110	50	16	48	54	M14	100	48	35	1	
KBT50 WE16 130 AD/2.5G 25000 SL	K10315632165110	50	16	48	60	M14	130	48	50	1	
KBT50 WE16 160 AD/2.5G 25000 SL	K10308115175110	50	16	48	60	M14	160	48	80	1	
KBT50 WE18 080 AD/2.5G 25000 SL	K10308259563110	50	18	50	-	M14	80	48	-	1	
KBT50 WE18 100 AD/2.5G 25000 SL	K10308259148110	50	18	50	62	M14	100	48	35	1	
KBT50 WE18 130 AD/2.5G 25000 SL	K10315676165110	50	18	50	62	M14	130	48	50	1	
KBT50 WE18 160 AD/2.5G 25000 SL	K10308259175110	50	18	50	62	M14	160	48	80	1	
KBT50 WE20 080 AD/2.5G 25000 SL	K10308116131110	50	20	52	-	M16	80	52	-	1	
KBT50 WE20 100 AD/2.5G 25000 SL	K10308116148110	50	20	52	65	M16	100	52	35	1	
KBT50 WE20 130 AD/2.5G 25000 SL	K10315633165110	50	20	52	66	M16	130	52	50	1	
KBT50 WE20 160 AD/2.5G 25000 SL	K10308116175110	50	20	52	66	M16	160	52	80	1	
KBT50 WE25 100 AD/2.5G 25000 SL	K10308117148110	50	25	65	-	M18X2	100	56	-	2	
KBT50 WE25 130 AD/2.5G 25000 SL	K10315673165110	50	25	65	-	M18X2	130	56	-	2	
KBT50 WE25 160 AD/2.5G 25000 SL	K10308117175110	50	25	65	-	M18X2	160	56	-	2	
KBT50 WE32 105 AD/2.5G 25000 SL	K10308118152110	50	32	72	-	M20X2	105	60	-	2	
KBT50 WE32 130 AD/2.5G 25000 SL	K10315677165110	50	32	72	-	M20X2	130	60	-	2	
KBT50 WE32 160 AD/2.5G 25000 SL	K10308118175110	50	32	72	-	M20X2	160	60	-	2	
KBT50 WE40 115 AD/2.5G 25000 SL	K10308119159110	50	40	80	-	M20X2	115	70	-	2	
KBT50 WE40 130 AD/2.5G 25000 SL	K10315678165110	50	40	80	-	M20X2	130	70	-	2	
KBT50 WE40 160 AD/2.5G 25000 SL	K10308119175110	50	40	80	-	M20X2	160	70	-	2	
KBT50 WE50 125 AD/2.5G 25000 SL	K10308120164110	50	50	100	-	M24X2	125	80	-	2	

Accessories:



LOCKING SCREW WN

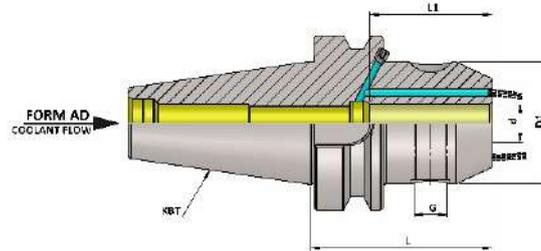
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE : FCC) (AD) (JD)

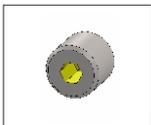


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (WE : FCC) (AD) (JD)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT30 WE06 050 FCC 2.5G 25000 SL	K10307111111256	30	6	25	-	M6	50	34	-	1	
KBT30 WE08 050 FCC 2.5G 25000 SL	K10307112111256	30	8	28	-	M8	50	34	-	1	
KBT30 WE10 050 FCC 2.5G 25000 SL	K10307113111256	30	10	35	-	M10	50	40	-	1	
KBT30 WE12 055 FCC 2.5G 25000 SL	K10307114115256	30	12	42	-	M12	55	46	-	1	
KBT30 WE14 055 FCC 2.5G 25000 SL	K10307258115256	30	14	44	-	M12	55	46	-	1	
KBT30 WE16 063 FCC 2.5G 25000 SL	K10307115563256	30	16	48	-	M14	63	48	-	1	
KBT30 WE18 063 FCC 2.5G 25000 SL	K10307259563256	30	18	50	-	M14	63	48	-	1	
KBT30 WE20 070 FCC 2.5G 25000 SL	K10307116125256	30	20	52	-	M16	70	52	-	1	

Accessories:



LOCKING SCREW WN

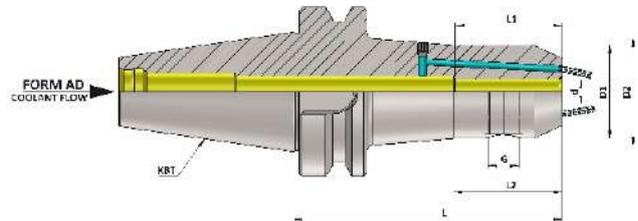
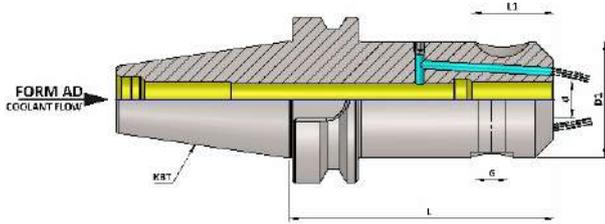
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE : FCC) (AD) (JD)

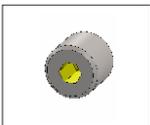


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (WE : FCC) (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT40 WE06 050 FCC 2.5G 25000 SL	K10291111111256	40	6	25	-	M6	50	34	-	1	
KBT40 WE06 100 FCC 2.5G 25000 SL	K10291111148256	40	6	25	36	M6	100	34	40	1	
KBT40 WE06 130 FCC 2.5G 25000 SL	K10314669165256	40	6	25	36	M6	130	34	50	1	
KBT40 WE06 160 FCC 2.5G 25000 SL	K10291111175256	40	6	25	36	M6	160	34	80	1	
KBT40 WE08 050 FCC 2.5G 25000 SL	K10291112111256	40	8	28	-	M8	50	34	-	1	
KBT40 WE08 100 FCC 2.5G 25000 SL	K10291112148256	40	8	28	38	M8	100	34	40	1	
KBT40 WE08 130 FCC 2.5G 25000 SL	K10314670165256	40	8	28	40	M8	130	34	50	1	
KBT40 WE08 160 FCC 2.5G 25000 SL	K10291112175256	40	8	28	40	M8	160	34	80	1	
KBT40 WE10 063 FCC 2.5G 25000 SL	K10291113563256	40	10	35	-	M10	63	40	-	1	
KBT40 WE10 100 FCC 2.5G 25000 SL	K10291113148256	40	10	35	40	M10	100	40	40	1	
KBT40 WE10 130 FCC 2.5G 25000 SL	K10314674165256	40	10	35	40	M10	130	40	50	1	
KBT40 WE10 160 FCC 2.5G 25000 SL	K10291113175256	40	10	35	40	M10	160	40	80	1	
KBT40 WE12 063 FCC 2.5G 25000 SL	K10291114563256	40	12	42	-	M12	63	46	-	1	
KBT40 WE12 100 FCC 2.5G 25000 SL	K10291114148256	40	12	42	-	M12	100	46	-	1	
KBT40 WE12 130 FCC 2.5G 25000 SL	K10314672165256	40	12	42	-	M12	130	46	-	1	
KBT40 WE12 160 FCC 2.5G 25000 SL	K10291114175256	40	12	42	-	M12	160	46	-	1	
KBT40 WE14 063 FCC 2.5G 25000 SL	K10291258563256	40	14	44	-	M12	63	46	-	1	
KBT40 WE14 100 FCC 2.5G 25000 SL	K10291258148256	40	14	44	-	M12	100	46	-	1	
KBT40 WE14 130 FCC 2.5G 25000 SL	K10314675165256	40	14	44	-	M12	130	46	-	1	
KBT40 WE14 160 FCC 2.5G 25000 SL	K10291258175256	40	14	44	-	M12	160	46	-	1	
KBT40 WE16 063 FCC 2.5G 25000 SL	K10291115563256	40	16	48	-	M14	63	48	-	1	
KBT40 WE16 100 FCC 2.5G 25000 SL	K10291115148256	40	16	48	-	M14	100	48	-	1	
KBT40 WE16 130 FCC 2.5G 25000 SL	K10314632165256	40	16	48	-	M14	130	48	-	1	
KBT40 WE16 160 FCC 2.5G 25000 SL	K10291115175256	40	16	48	-	M14	160	48	-	1	

Accessories:



LOCKING SCREW WN

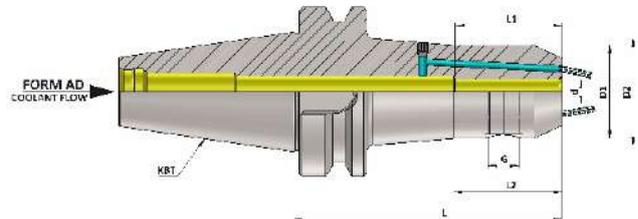
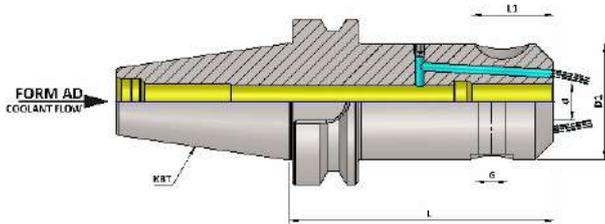
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE : FCC) (AD) (JD)

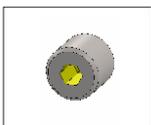


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (WE : FCC) (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT40 WE18 063 FCC 2.5G 25000 SL	K10291259563256	40	18	50	-	M14	63	48	-	1	
KBT40 WE18 100 FCC 2.5G 25000 SL	K10291259148256	40	18	50	-	M14	100	48	-	1	
KBT40 WE18 130 FCC 2.5G 25000 SL	K10314676165256	40	18	50	-	M14	130	48	-	1	
KBT40 WE18 160 FCC 2.5G 25000 SL	K10291259175256	40	18	50	-	M14	160	48	-	1	
KBT40 WE20 063 FCC 2.5G 25000 SL	K10291116563256	40	20	52	-	M16	63	52	-	1	
KBT40 WE20 100 FCC 2.5G 25000 SL	K10291116148256	40	20	52	-	M16	100	52	-	1	
KBT40 WE20 130 FCC 2.5G 25000 SL	K10314633165256	40	20	52	-	M16	130	52	-	1	
KBT40 WE20 160 FCC 2.5G 25000 SL	K10291116175256	40	20	52	-	M16	160	52	-	1	
KBT40 WE25 090 FCC 2.5G 25000 SL	K10291117140256	40	25	65	-	M18x2	90	56	-	2	
KBT40 WE25 130 FCC 2.5G 25000 SL	K10314673165256	40	25	65	-	M18x2	130	56	-	2	
KBT40 WE25 160 FCC 2.5G 25000 SL	K10291117175256	40	25	65	-	M18x2	160	56	-	2	
KBT40 WE32 100 FCC 2.5G 25000 SL	K10291118148256	40	32	72	-	M20x2	100	60	-	2	
KBT40 WE32 130 FCC 2.5G 25000 SL	K10314677165256	40	32	72	-	M20x2	130	60	-	2	
KBT40 WE32 160 FCC 2.5G 25000 SL	K10291118175256	40	32	72	-	M20x2	160	60	-	2	
KBT40 WE40 105 FCC 2.5G 25000 SL	K10291119152256	40	40	80	-	M20x2	105	70	-	2	
KBT40 WE40 130 FCC 2.5G 25000 SL	K10314678165256	40	40	80	-	M20x2	130	70	-	2	
KBT40 WE40 160 FCC 2.5G 25000 SL	K10291119175256	40	40	80	-	M20x2	160	70	-	2	

Accessories:



LOCKING SCREW WN

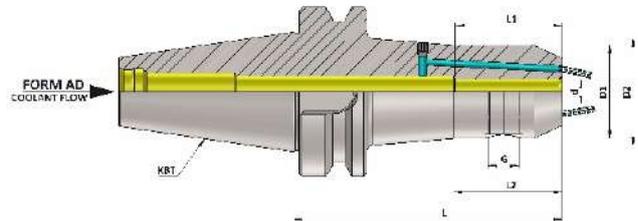
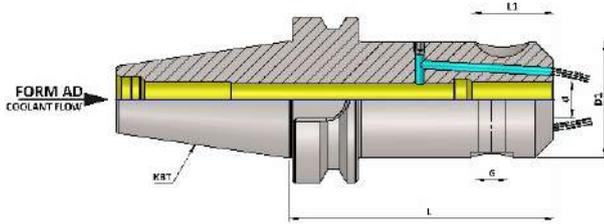
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE : FCC) (AD) (JD)

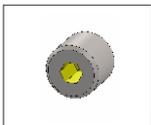


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (WE : FCC) (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT50 WE06 063 FCC 2.5G 25000 SL	K10308111563256	50	6	25	-	M6	63	34	-	1	
KBT50 WE06 100 FCC 2.5G 25000 SL	K10308111148256	50	6	25	36	M6	100	34	35	1	
KBT50 WE06 130 FCC 2.5G 25000 SL	K10315669165256	50	6	25	43	M6	130	34	50	1	
KBT50 WE06 160 FCC 2.5G 25000 SL	K10308111175256	50	6	25	43	M6	160	34	80	1	
KBT50 WE08 063 FCC 2.5G 25000 SL	K10308112563256	50	8	28	-	M8	63	34	-	1	
KBT50 WE08 100 FCC 2.5G 25000 SL	K10308112148256	50	8	28	38	M8	100	34	35	1	
KBT50 WE08 130 FCC 2.5G 25000 SL	K10315670165256	50	8	28	46	M8	130	34	50	1	
KBT50 WE08 160 FCC 2.5G 25000 SL	K10308112175256	50	8	28	46	M8	160	34	80	1	
KBT50 WE10 080 FCC 2.5G 25000 SL	K10308113131256	50	10	35	-	M10	80	40	-	1	
KBT50 WE10 100 FCC 2.5G 25000 SL	K10308113148256	50	10	35	42	M10	100	40	35	1	
KBT50 WE10 130 FCC 2.5G 25000 SL	K10315674165256	50	10	35	49	M10	130	40	50	1	
KBT50 WE10 160 FCC 2.5G 25000 SL	K10308113175256	50	10	35	49	M10	160	40	80	1	
KBT50 WE12 080 FCC 2.5G 25000 SL	K10308114131256	50	12	42	-	M12	80	46	-	1	
KBT50 WE12 100 FCC 2.5G 25000 SL	K10308114148256	50	12	42	48	M12	100	46	35	1	
KBT50 WE12 130 FCC 2.5G 25000 SL	K10315672165256	50	12	42	55	M12	130	46	50	1	
KBT50 WE12 160 FCC 2.5G 25000 SL	K10308114175256	50	12	42	55	M12	160	46	80	1	
KBT50 WE14 080 FCC 2.5G 25000 SL	K10308258131256	50	14	44	-	M12	80	46	-	1	
KBT50 WE14 100 FCC 2.5G 25000 SL	K10308258148256	50	14	44	50	M12	100	46	35	1	
KBT50 WE14 130 FCC 2.5G 25000 SL	K10315675165256	50	14	44	56	M12	130	46	50	1	
KBT50 WE14 160 FCC 2.5G 25000 SL	K10308258175256	50	14	44	56	M12	160	46	80	1	
KBT50 WE16 080 FCC 2.5G 25000 SL	K10308115131256	50	16	48	-	M14	80	48	-	1	
KBT50 WE16 100 FCC 2.5G 25000 SL	K10308115148256	50	16	48	54	M14	100	48	35	1	
KBT50 WE16 130 FCC 2.5G 25000 SL	K10315632165256	50	16	48	60	M14	130	48	50	1	
KBT50 WE16 160 FCC 2.5G 25000 SL	K10308115175256	50	16	48	60	M14	160	48	80	1	

Accessories:



LOCKING SCREW WN

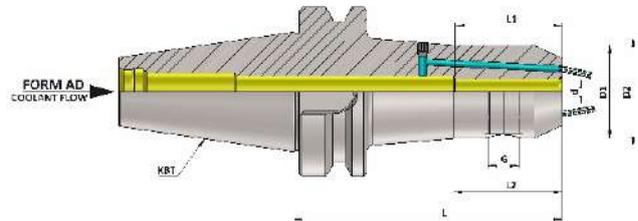
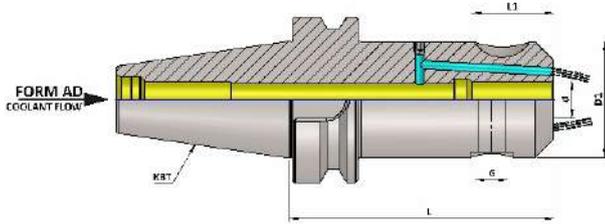
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Weldon Type End Mill Holder (Face Coolant Channel) (DIN 6359) (WE : FCC) (AD) (JD)

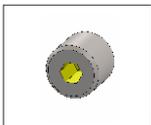


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (WE : FCC) (AD) (JD)											(Balanced to 2.5 G 25000 RPM)
ITEM NAME	ITEM CODE	ISO	d	D1	D2	G	L	L1	L2	SCREW QTY.	
KBT50 WE18 080 FCC 2.5G 25000 SL	K10308259131256	50	18	50	-	M14	80	48	-	1	
KBT50 WE18 100 FCC 2.5G 25000 SL	K10308259148256	50	18	50	62	M14	100	48	35	1	
KBT50 WE18 130 FCC 2.5G 25000 SL	K10315676165256	50	18	50	62	M14	130	48	50	1	
KBT50 WE18 160 FCC 2.5G 25000 SL	K10308259175256	50	18	50	62	M14	160	48	80	1	
KBT50 WE20 080 FCC 2.5G 25000 SL	K10308116131256	50	20	52	-	M16	80	52	-	1	
KBT50 WE20 100 FCC 2.5G 25000 SL	K10308116148256	50	20	52	65	M16	100	52	35	1	
KBT50 WE20 130 FCC 2.5G 25000 SL	K10315633165256	50	20	52	66	M16	130	52	50	1	
KBT50 WE20 160 FCC 2.5G 25000 SL	K10308116175256	50	20	52	66	M16	160	52	80	1	
KBT50 WE25 100 FCC 2.5G 25000 SL	K10308117148256	50	25	65	-	M18x2	100	56	-	2	
KBT50 WE25 130 FCC 2.5G 25000 SL	K10315673165256	50	25	65	-	M18x2	130	56	-	2	
KBT50 WE25 160 FCC 2.5G 25000 SL	K10308117175256	50	25	65	-	M18x2	160	56	-	2	
KBT50 WE32 105 FCC 2.5G 25000 SL	K10308118152256	50	32	72	-	M20x2	105	60	-	2	
KBT50 WE32 130 FCC 2.5G 25000 SL	K10315677165256	50	32	72	-	M20x2	130	60	-	2	
KBT50 WE32 160 FCC 2.5G 25000 SL	K10308118175256	50	32	72	-	M20x2	160	60	-	2	
KBT50 WE40 115 FCC 2.5G 25000 SL	K10308119159256	50	40	80	-	M20x2	115	70	-	2	
KBT50 WE40 130 FCC 2.5G 25000 SL	K10315678165256	50	40	80	-	M20x2	130	70	-	2	
KBT50 WE40 160 FCC 2.5G 25000 SL	K10308119175256	50	40	80	-	M20x2	160	70	-	2	
KBT50 WE50 125 FCC 2.5G 25000 SL	K10308120164256	50	50	100	-	M24x2	125	80	-	2	

Accessories:



LOCKING SCREW WN

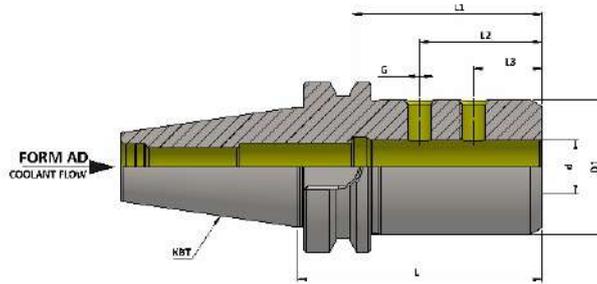
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388-2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

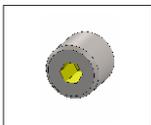


KBT (BT MAS 403) SLA (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
KBT30 SLA20 090 AD/6.3G 15000 SL	K10346665622562	30	20	50	M10	90	70	45	25	2
KBT30 SLA25 090 AD/6.3G 15000 SL	K10191665622562	30	25	50	M10	90	70	45	25	2

KBT30 SLA DIA 1/8"-2.375"AD/6.3G 15000 SL	K10345217917521	30	1/8"	0.69"	6-32UNCx1/4"	2.375"	17	-	0.370"	1
KBT30 SLA DIA 3/16"-2.375" AD/6.3G 15000 SL	K10313217917521	30	3/16"	0.69"	8-32UNCx1/4"	2.375"	25	-	0.562"	1
KBT30 SLA DIA 1/4"-2.375"AD/6.3G 15000 SL	K10313217917225	30	1/4"	0.78"	1/4"-28UNFx1/4"	2.375"	35	-	0.630"	1
KBT30 SLA DIA 5/16"-2.375"AD/6.3G 15000SL	K10313217621225	30	5/16"	0.88"	5/16"-24UNFx1/4"	2.375"	35	-	0.630"	1
KBT30 SLADIA 3/8"-2.375"AD/6.3G 15000SL	K10313218621225	30	3/8"	1.0"	3/8"-24UNFx5/16"	2.375"	39	-	0.750"	1
KBT30 SLA DIA 7/16"-2.375"AD/6.3G 15000 SL	K10313218623225	30	7/16"	1.25"	3/8"-24UNFx3/8"	2.375"	51	-	0.875"	1
KBT30 SLA DIA 1/2"-2.375"AD/6.3G 15000 SL	K10313218628225	30	1/2"	1.25"	7/16"-20UNFx3/8"	2.375"	51	-	0.875"	1
KBT30 SLA DIA 5/8" 2.375" AD/6.3G 15000 SL	K10313218620225	30	5/8"	1.5"	1/2"-20UNFx7/16"	2.375"	57	-	0.937"	1
KBT30 SLA DIA 3/4" 2.375" AD/6.3G 15000 SL	K10313218627225	30	3/4"	1.75"	5/8"-18UNFx1/2"	2.375"	59	-	1.00"	1

Accessories:



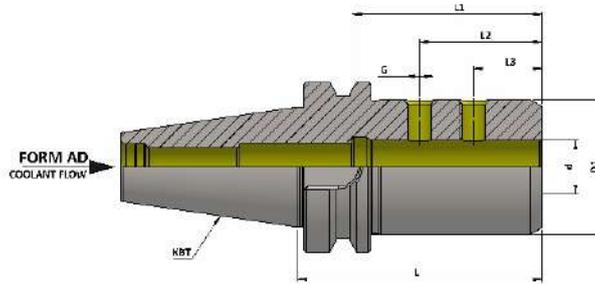
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388-2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

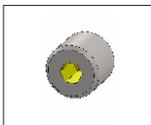


KBT (BT MAS 403) SLA (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
KBT40 SLA20 090 AD/6.3G 15000 SL	K10205665622562	40	20	50	M10	90	70	45	25	2
KBT40 SLA25 090 AD/6.3G 15000 SL	K10205658622562	40	25	50	M10	90	70	45	25	2
KBT40 SLA32 090 AD/6.3G 15000 SL	K10205664622562	40	32	60	M10	90	70	50	30	2
KBT40 SLA40 090 AD/6.3G 15000 SL	K10205664620562	40	40	60	M10	90	70	50	30	2

KBT40 SLA DIA 1/8" - 2 3/8" AD/6.3G 15000 SL	K10314218627225	40	1/8"	0.69"	6-32UNCx1/4"	2.375"	17	-	0.370"	1
KBT 40 SLA DIA 3/16" - 2 1/2" AD/6.3G 15000 SL	K10314220627225	40	3/16"	0.69"	8-32UNCx1/4"	2.50"	25	-	0.562"	1
KBT 40 SLA DIA 1/4" - 2 1/2" - AD/6.3G 15000 SL	K10314221627225	40	1/4"	0.78"	1/4"-28UNFx1/4"	2.50"	35	-	0.630"	1
KBT40 SLA DIA 5/16"-2 1/2" - AD/6.3G 15000 SL	K10314221626225	40	5/16"	0.88"	5/16"-24UNFx1/4"	2.50"	35	-	0.630"	1
KBT40 SLA DIA 3/8" - 2 1/2" - AD/6.3G 15000 SL	K10314221641182	40	3/8"	1.0"	3/8"-24UNFx5/16"	2.50"	39	-	0.750"	1
KBT40 SLA DIA 7/16" - 2 1/2" - AD/6.3G 15000 SL	K10314221641146	40	7/16"	1.25"	3/8"-24UNFx3/8"	2.50"	51	-	0.875"	1
KBT40 SLA DIA 1/2" - 2 1/2" - AD/6.3G 15000 SL	K10207665919563	40	1/2"	1.25"	7/16"-20UNFx3/8"	2.50"	51	-	0.875"	1
KBT40 SLA DIA 5/8" - 2 1/2" - AD/6.3G 15000 SL	K10314497641146	40	5/8"	1.50"	1/2"-20UNFx7/16"	2.50"	57	-	0.937"	1
KBT40 SLA DIA 3/4" - 2 1/2" - AD/6.3G 15000 SL	K10346662919248	40	3/4"	1.75"	5/8"-18UNFx1/2"	2.50"	59	-	1.0"	1
KBT40 SLA DIA 7/8" - 3 3/8" - AD/6.3G 15000 SL	K10346662919309	40	7/8"	1.88"	5/8"-18UNFx1/2"	3.375"	70	1.938"	1.063"	2
KBT40 SLA DIA 1.0"- 4.0"- AD/6.3G 15000 SL	K10346662621309	40	1.0"	2.0"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2
KBT40 SLA DIA 1 1/4" - 4.0" - AD/6.3G 15000 SL	K10346662621521	40	1 1/4"	2.5"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2
KBT40 SLA DIA 1 1/2" - 4 1/2" AD/6.3G 15000 SL	K10346662621182	40	1 1/2"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2

Accessories:



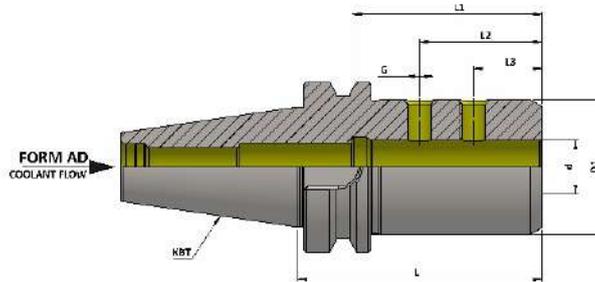
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388-2) Side Lock Adaptor (SLA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

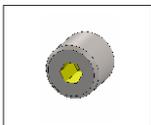


KBT (BT MAS 403) SLA (AD) (JD) (Balanced 6.3 G 15000 RPM)

ITEM NAME	ITEM CODE	ISO	d	D1	G	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
KBT50 SLA20 105 AD/6.3G 15000 SL	K10198664620562	50	20	50	M10	105	70	45	25	2
KBT50 SLA25 105 AD/6.3G 15000 SL	K10198667620562	50	25	50	M10	105	70	45	25	2
KBT50 SLA32 105 AD/6.3G 15000 SL	K10198198620562	50	32	60	M10	105	70	50	30	2
KBT50 SLA40 105 AD/6.3G 15000 SL	K10198201620562	50	40	60	M10	105	70	50	30	2

KBT50 SLA DIA 1/4" – 3.0" - AD/6.3G 15000 SL	K10347662621182	50	1/4"	0.78"	1/4"-28UNFx1/4"	3.0"	35	-	0.630"	1
KBT50 SLA DIA 5/16" – 3.0" - AD/6.3G 15000 SL	K10347662621145	50	5/16"	0.88"	5/16"-24UNFx1/4"	3.0"	35	-	0.630"	1
KBT50 SLA DIA 3/8" – 3.0" - AD/6.3G 15000 SL	K10347662621187	50	3/8"	1.0"	3/8"-24UNFx5/16"	3.0"	39	-	0.750"	1
KBT50 SLA DIA 7/16" – 3.0" - AD/6.3G 15000 SL	K10347658621187	50	7/16"	1.25"	3/8"-24UNFx3/8"	3.0"	51	-	0.875"	1
KBT50 SLA DIA 1/2" – 3.0" - AD/6.3G 15000 SL	K10347666621187	50	1/2"	1.25"	7/16"-20UNFx3/8"	3.0"	51	-	0.875"	1
KBT50 SLA DIA 5/8" – 3.0" - AD/6.3G 15000 SL	K10347666621183	50	5/8"	1.50"	1/2"-20UNFx7/16"	3.0"	57	-	0.937"	1
KBT50 SLA DIA 3/4" – 3.0" AD/6.3G 15000 SL	K10347666621147	50	3/4"	1.75"	5/8"-18UNFx1/2"	3.0"	59	-	1.0"	1
KBT50 SLA DIA 7/8" – 4.0" - AD/6.3G 15000 SL	K10347666623147	50	7/8"	1.88"	5/8"-18UNFx1/2"	4.0"	70	1.938"	1.063"	2
KBT50 SLA DIA 1.0" - 4 1/2" - AD/6.3G 15000 SL	K10347666620147	50	1.0"	2.0"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2
KBT50 SLA DIA 1 1/4" - 4 1/2" - AD/6.3G 15000 SL	K10347666625147	50	1 1/4"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2
KBT50 SLA DIA 1 1/2" – 4 1/2" AD/6.3G 15000 SL	K10347666643147	50	1 1/2"	2.5"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2

Accessories:



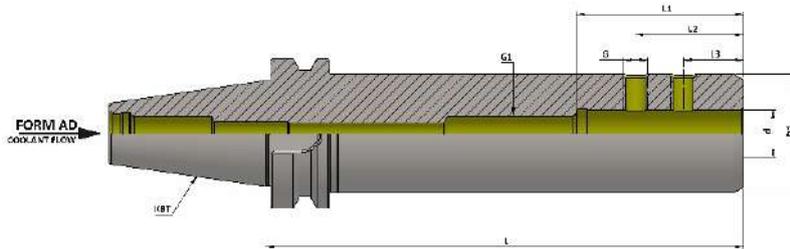
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

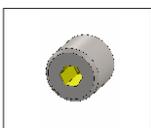


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) SLA (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
KBT40 SLA16 200 AD	K10314105239543	40	16	48	M14	M12	200	57	-	23.50	1	
KBT40 SLA16 250 AD	K10314105182543	40	16	48	M14	M12	250	57	-	23.50	1	
KBT40 SLA16 300 AD	K10314105183543	40	16	48	M14	M12	300	57	-	23.50	1	
KBT40 SLA20 200 AD	K10314972239543	40	20	50	M10	M16	200	70	45	25	2	
KBT40 SLA20 250 AD	K10314972182543	40	20	50	M10	M16	250	70	45	25	2	
KBT40 SLA20 300 AD	K10314972183543	40	20	50	M10	M16	300	70	45	25	2	
KBT40 SLA25 200 AD	K10314107239543	40	25	50	M10	M16	200	70	45	25	2	
KBT40 SLA25 250 AD	K10314107182543	40	25	50	M10	M16	250	70	45	25	2	
KBT40 SLA25 300 AD	K10314107183543	40	25	50	M10	M16	300	70	45	25	2	
KBT40 SLA32 200 AD	K10314108239543	40	32	60	M10	M16	200	70	50	30	2	
KBT40 SLA32 250 AD	K10314108182543	40	32	60	M10	M16	250	70	50	30	2	
KBT40 SLA32 300 AD	K10314108183543	40	32	60	M10	M16	300	70	50	30	2	
KBT40 SLA40 200 AD	K10314109239543	40	40	60	M10	M16	200	70	50	30	2	
KBT40 SLA40 250 AD	K10314109182543	40	40	60	M10	M16	250	70	50	30	2	
KBT40 SLA40 300 AD	K10314109183543	40	40	60	M10	M16	300	70	50	30	2	

Accessories:



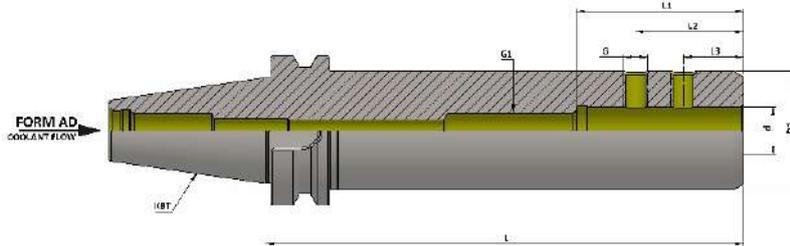
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

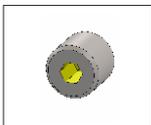


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) SLA (AD) (JD)											
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
KBT40 SLA5/8" 200 AD	K10314989239543	40	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1
KBT40 SLA5/8" 250 AD	K10314989182543	40	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1
KBT40 SLA5/8" 300 AD	K10314989183543	40	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1
KBT40 SLA3/4" 200 AD	K10314990239543	40	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1
KBT40 SLA3/4" 250 AD	K10314990182543	40	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1
KBT40 SLA3/4" 300 AD	K10314990183543	40	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1
KBT40 SLA1.0" 200 AD	K10314991239543	40	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
KBT40 SLA1.0" 250 AD	K10314991182543	40	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
KBT40 SLA1.0" 300 AD	K10314991183543	40	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
KBT40 SLA1 1/4" 200 AD	K10314992239543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
KBT40 SLA1 1/4" 250 AD	K10314992182543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
KBT40 SLA1 1/4" 300 AD	K10314992183543	40	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
KBT40 SLA1 1/2" 200 AD	K10314993239543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
KBT40 SLA1 1/2" 250 AD	K10314993182543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
KBT40 SLA1 1/2" 300 AD	K10314993183543	40	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2

Accessories:



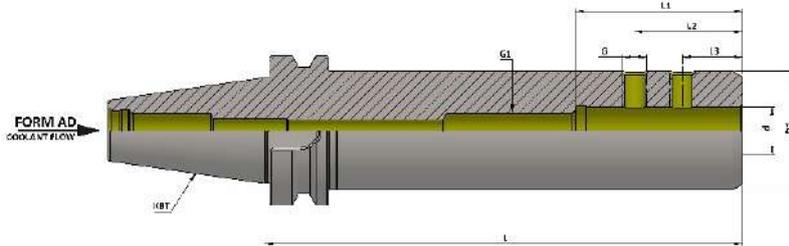
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

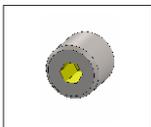


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) SLA (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
KBT50 SLA16 200 AD	K10315105239543	50	16	48	M14	M12	200	57	-	23.50	1	
KBT50 SLA16 250 AD	K10315105182543	50	16	48	M14	M12	250	57	-	23.50	1	
KBT50 SLA16 300 AD	K10315105183543	50	16	48	M14	M12	300	57	-	23.50	1	
KBT50 SLA16 350 AD	K10315105184543	50	16	48	M14	M12	350	57	-	23.50	1	
KBT50 SLA16 400 AD	K10315105540543	50	16	48	M14	M12	400	57	-	23.50	1	
KBT50 SLA20 200 AD	K10315972239543	50	20	50	M10	M16	200	70	45	25	2	
KBT50 SLA20 250 AD	K10315972182543	50	20	50	M10	M16	250	70	45	25	2	
KBT50 SLA20 300 AD	K10315972183543	50	20	50	M10	M16	300	70	45	25	2	
KBT50 SLA20 350 AD	K10315972184543	50	20	50	M10	M16	350	70	45	25	2	
KBT50 SLA20 400 AD	K10315972540543	50	20	50	M10	M16	400	70	45	25	2	
KBT50 SLA25 200 AD	K10315107239543	50	25	50	M10	M16	200	70	45	25	2	
KBT50 SLA25 250 AD	K10315107182543	50	25	50	M10	M16	250	70	45	25	2	
KBT50 SLA25 300 AD	K10315107183543	50	25	50	M10	M16	300	70	45	25	2	
KBT50 SLA25 350 AD	K10315107184543	50	25	50	M10	M16	350	70	45	25	2	
KBT50 SLA25 400 AD	K10315107540543	50	25	50	M10	M16	400	70	45	25	2	
KBT50 SLA32 200 AD	K10315108239543	50	32	60	M10	M16	200	70	50	30	2	
KBT50 SLA32 250 AD	K10315108182543	50	32	60	M10	M16	250	70	50	30	2	
KBT50 SLA32 300 AD	K10315108183543	50	32	60	M10	M16	300	70	50	30	2	
KBT50 SLA32 350 AD	K10315108184543	50	32	60	M10	M16	350	70	50	30	2	
KBT50 SLA32 400 AD	K10315108540543	50	32	60	M10	M16	400	70	50	30	2	
KBT50 SLA40 200 AD	K10315109239543	50	40	60	M10	M16	200	70	50	30	2	
KBT50 SLA40 250 AD	K10315109182543	50	40	60	M10	M16	250	70	50	30	2	
KBT50 SLA40 300 AD	K10315109183543	50	40	60	M10	M16	300	70	50	30	2	
KBT50 SLA40 350 AD	K10315109184543	50	40	60	M10	M16	350	70	50	30	2	
KBT50 SLA40 400 AD	K10315109540543	50	40	60	M10	M16	400	70	50	30	2	

Accessories:



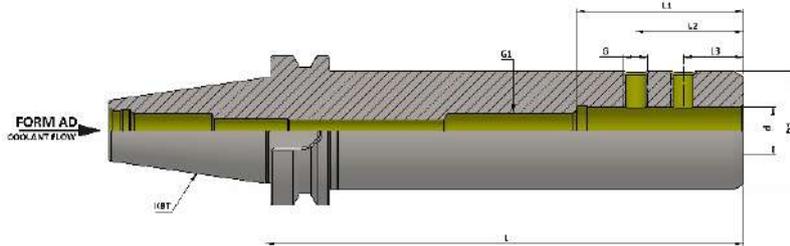
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Side Lock Adaptor Long Series (SLA) (AD) (JD)

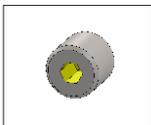


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



KBT (BT MAS 403) SLA (AD) (JD)												
ITEM NAME	ITEM CODE	ISO	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
KBT50 SLA5/8" 200 AD	K10315989239543	50	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1	
KBT50 SLA5/8" 250 AD	K10315989182543	50	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1	
KBT50 SLA5/8" 300 AD	K10315989183543	50	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1	
KBT50 SLA5/8" 350 AD	K10315989184543	50	5/8"	48	1/2"20UNFx7/16"	M12	350	57	-	0.937"	1	
KBT50 SLA5/8" 400 AD	K10315989540543	50	5/8"	48	1/2"20UNFx7/16"	M12	400	57	-	0.937"	1	
KBT50 SLA3/4" 200 AD	K10315990239543	50	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1	
KBT50 SLA3/4" 250 AD	K10315990182543	50	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1	
KBT50 SLA3/4" 300 AD	K10315990183543	50	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1	
KBT50 SLA3/4" 350 AD	K10315990184543	50	3/4"	50	5/8"18UNFx1/2"	M16	350	59	-	1.00"	1	
KBT50 SLA3/4" 400 AD	K10315990540543	50	3/4"	50	5/8"18UNFx1/2"	M16	400	59	-	1.00"	1	
KBT50 SLA1.0" 200 AD	K10315991239543	50	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
KBT50 SLA1.0" 250 AD	K10315991182543	50	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
KBT50 SLA1.0" 300 AD	K10315991183543	50	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
KBT50 SLA1.0" 350 AD	K10315991184543	50	1.0"	50	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
KBT50 SLA1.0" 400 AD	K10315991540543	50	1.0"	50	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	
KBT50 SLA1 1/4" 200 AD	K10315992239543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
KBT50 SLA1 1/4" 250 AD	K10315992182543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
KBT50 SLA1 1/4" 300 AD	K10315992183543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
KBT50 SLA1 1/4" 350 AD	K10315992184543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
KBT50 SLA1 1/4" 400 AD	K10315992540543	50	1-1/4"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	
KBT50 SLA1 1/2" 200 AD	K10315993239543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
KBT50 SLA1 1/2" 250 AD	K10315993182543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
KBT50 SLA1 1/2" 300 AD	K10315993183543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
KBT50 SLA1 1/2" 350 AD	K10315993184543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2	
KBT50 SLA1 1/2" 400 AD	K10315993540543	50	1-1/2"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2	

Accessories:



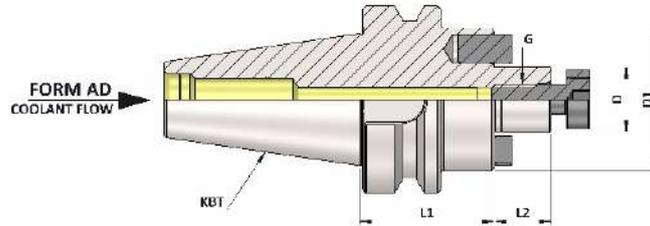
LOCKING SCREW SLA

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



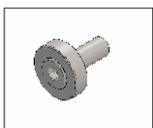
KBT (BT MAS 403) FMH (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT30 FMH16 035 AD/2.5G 25000 SL SP.S	K10307126104232	30	16	38	35	17	M8 x 1.25P
KBT30 FMH22 040 AD/2.5G 25000 SL SP.S	K10307127106232	30	22	48	40	19	M10 x 1.5P
KBT30 FMH27 040 AD/2.5G 25000 SL SP.S	K10307128106232	30	27	58	40	21	M12 x 1.75P

KBT30 FMH 3/4" 045 AD/2.5G 25000 SL	K10313617369110	30	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
KBT30 FMH 1.0" 045 AD/2.5G 25000 SL	K10313994369110	30	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"

KBT40 FMH16 045 AD/2.5G 25000 SL SP.S	K10291126108232	40	16	38	45	17	M8 x 1.25P
KBT40 FMH16 100 AD/2.5G 25000 SL SP.S	K10291126148232	40	16	38	100	17	M8 x 1.25P
KBT40 FMH16 130 AD/2.5G 25000 SL SP.S	K10314126165240	40	16	38	130	17	M8 x 1.25P
KBT40 FMH16 160 AD/2.5G 25000 SL SP.S	K10291126175232	40	16	38	160	17	M8 x 1.25P
KBT40 FMH22 045 AD/2.5G 25000 SL SP.S	K10291127108232	40	22	48	45	19	M10 x 1.5P
KBT40 FMH22 100 AD/2.5G 25000 SL SP.S	K10291127148232	40	22	48	100	19	M10 x 1.5P
KBT40 FMH22 130 AD/2.5G 25000 SL SP.S	K10314127165240	40	22	48	130	19	M10 x 1.5P
KBT40 FMH22 160 AD/2.5G 25000 SL SP.S	K10291127175232	40	22	48	160	19	M10 x 1.5P
KBT40 FMH27 045 AD/2.5G 25000 SL SP.S	K10291128108232	40	27	58	45	21	M12 x 1.75P
KBT40 FMH27 100 AD/2.5G 25000 SL SP.S	K10291128148232	40	27	58	100	21	M12 x 1.75P
KBT40 FMH27 130 AD/2.5G 25000 SL SP.S	K10314128165240	40	27	58	130	21	M12 x 1.75P
KBT40 FMH27 160 AD/2.5G 25000 SL SP.S	K10291128175232	40	27	58	160	21	M12 x 1.75P
KBT40 FMH32 050 AD/2.5G 25000 SL SP.S	K10291129111232	40	32	78	50	24	M16 x 2P
KBT40 FMH32 100 AD/2.5G 25000 SL SP.S	K10291129148232	40	32	78	100	24	M16 x 2P
KBT40 FMH32 130 AD/2.5G 25000 SL SP.S	K10314129165240	40	32	78	130	24	M16 x 2P
KBT40 FMH32 160 AD/2.5G 25000 SL SP.S	K10291129175232	40	32	78	160	24	M16 x 2P
KBT40 FMH40 055 AD/2.5G 25000 SL SP.S	K10291130115232	40	40	88	55	27	M20 x 2.5P
KBT40 FMH40 100 AD/2.5G 25000 SL SP.S	K10291130148232	40	40	88	100	27	M20 x 2.5P
KBT40 FMH40 130 AD/2.5G 25000 SL SP.S	K10314130165240	40	40	88	130	27	M20 x 2.5P
KBT40 FMH40 160 AD/2.5G 25000 SL SP.S	K10291130175232	40	40	88	160	27	M20 x 2.5P

Accessories:



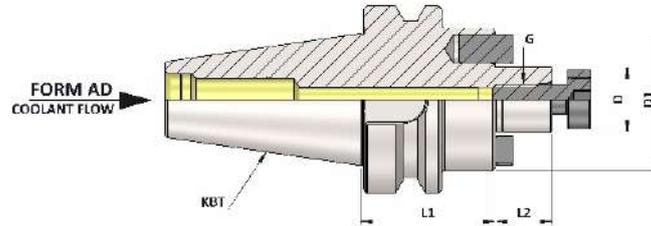
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)

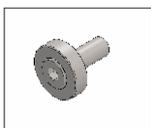


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT40 FMH 3/4" 045 AD/2.5G 25000 SL	K10314617369110	40	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH 3/4" 100 AD/2.5G 25000 SL	K10314617148110	40	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH 3/4" 130 AD/2.5G 25000 SL	K10207665877562	40	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH 3/4" 160 AD/2.5G 25000 SL	K10314617175110	40	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH 1.0" 045 AD/2.5G 25000 SL	K10314616666110	40	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH 1.0" 100 AD/2.5G 25000 SL	K10314616148110	40	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH 1.0" 130 AD/2.5G 25000 SL	K10314616165282	40	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH 1.0" 160 AD/2.5G 25000 SL	K10314616175110	40	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH 1 1/4" 045 AD/2.5G 25000 SL	K10314618666110	40	1-1/4"	2.875"	45	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH 1 1/4" 100 AD/2.5G 25000 SL	K10314618148110	40	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH 1 1/4" 130 AD/ 2.5G 25000 SL	K10314618165282	40	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH 1 1/4" 160 AD/2.5G 25000 SL	K10314618175110	40	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH 1 1/2" 060 AD/2.5G 25000 SL	K10314620666110	40	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH 1 1/2" 100 AD/2.5G 25000 SL	K10314620148110	40	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH 1 1/2" 130 AD/ 2.5G 25000 SL	K10314620165282	40	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH 1 1/2" 160 AD/2.5G 25000 SL	K10314620175110	40	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



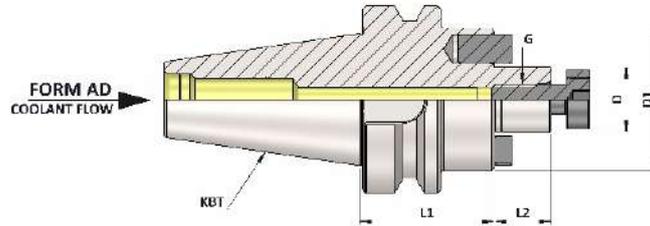
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)

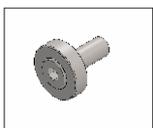


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT50 FMH16 060 AD/2.5G 25000 SL SP.S	K10308126117232	50	16	38	60	17	M8 x 1.25P
KBT50 FMH16 100 AD/2.5G 25000 SL SP.S	K10308126148232	50	16	38	100	17	M8 x 1.25P
KBT50 FMH16 130 AD/2.5G 25000 SL SP.S	K10315126165240	50	16	38	130	17	M8 x 1.25P
KBT50 FMH16 160 AD/2.5G 25000 SL SP.S	K10308126175232	50	16	38	160	17	M8 x 1.25P
KBT50 FMH22 060 AD/2.5G 25000 SL SP.S	K10308127117232	50	22	48	60	19	M10 x 1.5P
KBT50 FMH22 100 AD/2.5G 25000 SL SP.S	K10308127148232	50	22	48	100	19	M10 x 1.5P
KBT50 FMH22 130 AD/2.5G 25000 SL SP.S	K10315127165240	50	22	48	130	19	M10 x 1.5P
KBT50 FMH22 160 AD/2.5G 25000 SL SP.S	K10308127175232	50	22	48	160	19	M10 x 1.5P
KBT50 FMH27 060 AD/2.5G 25000 SL SP.S	K10308128117232	50	27	58	60	21	M12 x 1.75P
KBT50 FMH27 100 AD/2.5G 25000 SL SP.S	K10308128148232	50	27	58	100	21	M12 x 1.75P
KBT50 FMH27 130 AD/2.5G 25000 SL SP.S	K10315128165240	50	27	58	130	21	M12 x 1.75P
KBT50 FMH27 160 AD/2.5G 25000 SL SP.S	K10308128175232	50	27	58	160	21	M12 x 1.75P
KBT50 FMH32 060 AD/2.5G 25000 SL SP.S	K10308129117232	50	32	78	60	24	M16 x 2P
KBT50 FMH32 100 AD/2.5G 25000 SL SP.S	K10308129148232	50	32	78	100	24	M16 x 2P
KBT50 FMH32 130 AD/2.5G 25000 SL SP.S	K10315129165240	50	32	78	130	24	M16 x 2P
KBT50 FMH32 160 AD/2.5G 25000 SL SP.S	K10308129175232	50	32	78	160	24	M16 x 2P
KBT50 FMH40 060 AD/2.5G 25000 SL SP.S	K10308130117232	50	40	88	60	27	M20 x 2.5P
KBT50 FMH40 100 AD/2.5G 25000 SL SP.S	K10308130148232	50	40	88	100	27	M20 x 2.5P
KBT50 FMH40 130 AD/2.5G 25000 SL SP.S	K10315130165240	50	40	88	130	27	M20 x 2.5P
KBT50 FMH40 160 AD/2.5G 25000 SL SP.S	K10308130175232	50	40	88	160	27	M20 x 2.5P
KBT50 FMH60 080 AD/2.5G 25000 SL SP.S	K10315268131240	50	60	128	80	40	-

Accessories:



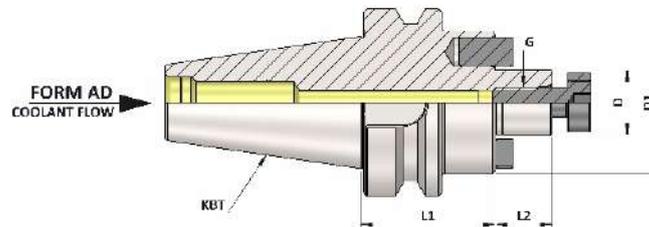
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (DIN 6357) FMH (AD) (JD)

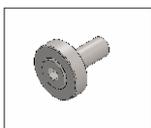


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH (AD) (JD)				(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	D	D1	L1	L2	G	
KBT50 FMH 3/4" 060 AD/2.5G 25000 SL	K10315617857110	50	3/4"	2"	60	0.687"	3/8"-24 UNF-2B x 1.0"	
KBT50 FMH 3/4" 100 AD/2.5G 25000 SL	K10315617148110	50	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"	
KBT50 FMH 3/4" 130 AD/2.5G 25000 SL	K10315617165110	50	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"	
KBT50 FMH 3/4" 160 AD/2.5G 25000 SL	K10315617175110	50	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"	
KBT50 FMH 1.0" 060 AD/2.5G 25000 SL	K10315616857110	50	1.0"	2.375"	60	0.687"	1/2"-20 UNF-2B x 1 1/4"	
KBT50 FMH 1.0" 100 AD/2.5G 25000 SL	K10315616148110	50	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"	
KBT50 FMH 1.0" 130 AD/ 2.5G 25000 SL	K10315616165282	50	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"	
KBT50 FMH 1.0" 160 AD/2.5G 25000 SL	K10315616175110	50	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"	
KBT50 FMH 1 1/4" 060 AD/2.5G 25000 SL	K10315618857110	50	1-1/4"	2.875"	60	0.687"	5/8"-18 UNF-2B x 1 1/4"	
KBT50 FMH 1 1/4" 100 AD/2.5G 25000 SL	K10315618148110	50	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"	
KBT50 FMH 1 1/4" 130 AD/ 2.5G 25000 SL	K10315618165282	50	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"	
KBT50 FMH 1 1/4" 160 AD/2.5G 25000 SL	K10315618175110	50	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"	
KBT50 FMH 1 1/2" 060 AD/2.5G 25000 SL	K10315620857110	50	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"	
KBT50 FMH 1 1/2" 100 AD/2.5G 25000 SL	K10315620148110	50	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"	
KBT50 FMH 1 1/2" 130 AD/ 2.5G 25000 SL	K10315620165282	50	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"	
KBT50 FMH 1 1/2" 160 AD/2.5G 25000 SL	K10315620175110	50	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"	

Accessories:



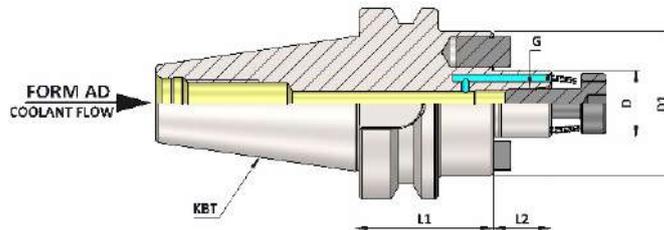
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD) (JD)

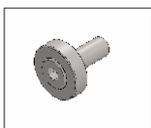


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH-K (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT40 FMH-K16 045 AD/2.5G 25000 SL SP.S	K10291131108232	40	16	38	45	17	M8 x 1.25P
KBT40 FMH-K16 100 AD/2.5G 25000 SL SP.S	K10291131148232	40	16	38	100	17	M8 x 1.25P
KBT40 FMH-K16 130 AD/2.5G 25000 SL SP.S	K10314131165240	40	16	38	130	17	M8 x 1.25P
KBT40 FMH-K16 160 AD/2.5G 25000 SL SP.S	K10291131175232	40	16	38	160	17	M8 x 1.25P
KBT40 FMH-K22 045 AD/2.5G 25000 SL SP.S	K10291132108232	40	22	48	45	19	M10 x 1.50P
KBT40 FMH-K22 100 AD/2.5G 25000 SL SP.S	K10291132148232	40	22	48	100	19	M10 x 1.50P
KBT40 FMH-K22 130 AD/2.5G 25000 SL SP.S	K10314132165240	40	22	48	130	19	M10 x 1.50P
KBT40 FMH-K22 160 AD/2.5G 25000 SL SP.S	K10291132175232	40	22	48	160	19	M10 x 1.50P
KBT40 FMH-K27 045 AD/2.5G 25000 SL SP.S	K10291133108232	40	27	58	45	21	M12 x 1.75P
KBT40 FMH-K27 100 AD/2.5G 25000 SL SP.S	K10291133148232	40	27	58	100	21	M12 x 1.75P
KBT40 FMH-K27 130 AD/2.5G 25000 SL SP.S	K10314133165240	40	27	58	130	21	M12 x 1.75P
KBT40 FMH-K27 160 AD/2.5G 25000 SL SP.S	K10291133175232	40	27	58	160	21	M12 x 1.75P
KBT40 FMH-K32 050 AD/2.5G 25000 SL SP.S	K10291134111232	40	32	78	50	24	M16 x 2P
KBT40 FMH-K32 100 AD/2.5G 25000 SL SP.S	K10291134148232	40	32	78	100	24	M16 x 2P
KBT40 FMH-K32 130 AD/2.5G 25000 SL SP.S	K10314134165240	40	32	78	130	24	M16 x 2P
KBT40 FMH-K32 160 AD/2.5G 25000 SL SP.S	K10291134175232	40	32	78	160	24	M16 x 2P
KBT40 FMH-K40 055 AD/2.5G 25000 SL SP.S	K10291576115232	40	40	88	55	27	M20 x 2.5P
KBT40 FMH-K40 100 AD/2.5G 25000 SL SP.S	K10291576148232	40	40	88	100	27	M20 x 2.5P
KBT40 FMH-K40 130 AD/2.5G 25000 SL SP.S	K10314576165240	40	40	88	130	27	M20 x 2.5P
KBT40 FMH-K40 160 AD/2.5G 25000 SL SP.S	K10291576175232	40	40	88	160	27	M20 x 2.5P

Accessories:



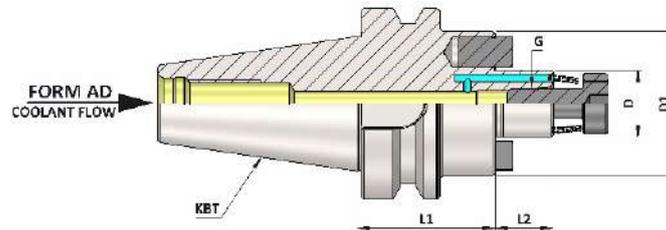
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD) (JD)

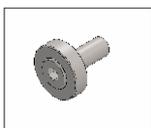


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH-K (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT40 FMH-K3/4" 045 AD/2.5G 25000 SL	K10314958369228	40	3/4"	2"	45	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH-K3/4" 100 AD/2.5G 25000 SL	K10314958148228	40	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH-K3/4" 130 AD/2.5G 25000 SL	K10207665622562	40	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH-K3/4" 160 AD/2.5G 25000 SL	K10314958175228	40	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
KBT40 FMH-K1.0" 045 AD/2.5G 25000 SL	K10314959369110	40	1.0"	2.375"	45	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH-K1.0" 100 AD/2.5G 25000 SL	K10314959148110	40	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH-K1.0" 130 AD/ 2.5G 25000 SL	K10314959165282	40	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH-K1.0" 160 AD/2.5G 25000 SL	K10314959175110	40	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT40 FMH-K1-1/4" 045 AD/2.5G 25000 SL	K10314960369110	40	1-1/4"	2.875"	45	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH-K1-1/4" 100 AD/2.5G 25000 SL	K10314960148110	40	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH-K1-1/4" 130 AD/ 2.5G 25000 SL	K10314960165282	40	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH-K1-1/4" 160 AD/2.5G 25000 SL	K10314960175110	40	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT40 FMH-K1-1/2" 060 AD/2.5G 25000 SL	K10314639369110	40	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH-K1-1/2" 100 AD/2.5G 25000 SL	K10314639148110	40	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH-K1-1/2" 130 AD/2.5G 25000 SL	K10314639165282	40	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT40 FMH-K1-1/2" 160 AD/2.5G 25000 SL	K10314639175110	40	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



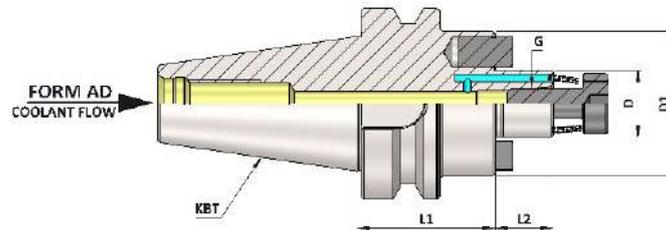
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD) (JD)

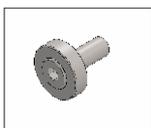


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH-K (AD) (JD)				(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	ISO	D	D1	L1	L2	G	
KBT50 FMH-K16 060 AD/2.5G 25000 SL SP.S	K10308131117232	50	16	38	60	17	M8 x 1.25P	
KBT50 FMH-K16 100 AD/2.5G 25000 SL SP.S	K10308131148232	50	16	38	100	17	M8 x 1.25P	
KBT50 FMH-K16 130 AD/2.5G 25000 SL SP.S	K10315131165240	50	16	38	130	17	M8 x 1.25P	
KBT50 FMH-K16 160 AD/2.5G 25000 SL SP.S	K10308131175232	50	16	38	160	17	M8 x 1.25P	
KBT50 FMH-K22 060 AD/2.5G 25000 SL SP.S	K10308132117232	50	22	48	60	19	M10 x 1.50P	
KBT50 FMH-K22 100 AD/2.5G 25000 SL SP.S	K10308132148232	50	22	48	100	19	M10 x 1.50P	
KBT50 FMH-K22 130 AD/2.5G 25000 SL SP.S	K10315132165240	50	22	48	130	19	M10 x 1.50P	
KBT50 FMH-K22 160 AD/2.5G 25000 SL SP.S	K10308132175232	50	22	48	160	19	M10 x 1.50P	
KBT50 FMH-K27 060 AD/2.5G 25000 SL SP.S	K10308133117232	50	27	58	60	21	M12 x 1.75P	
KBT50 FMH-K27 100 AD/2.5G 25000 SL SP.S	K10308133148232	50	27	58	100	21	M12 x 1.75P	
KBT50 FMH-K27 130 AD/2.5G 25000 SL SP.S	K10315133165240	50	27	58	130	21	M12 x 1.75P	
KBT50 FMH-K27 160 AD/2.5G 25000 SL SP.S	K10308133175232	50	27	58	160	21	M12 x 1.75P	
KBT50 FMH-K32 060 AD/2.5G 25000 SL SP.S	K10308134117232	50	32	78	60	24	M16 x 2P	
KBT50 FMH-K32 100 AD/2.5G 25000 SL SP.S	K10308134148232	50	32	78	100	24	M16 x 2P	
KBT50 FMH-K32 130 AD/2.5G 25000 SL SP.S	K10315134165240	50	32	78	130	24	M16 x 2P	
KBT50 FMH-K32 160 AD/2.5G 25000 SL SP.S	K10308134175232	50	32	78	160	24	M16 x 2P	
KBT50 FMH-K40 060 AD/2.5G 25000 SL SP.S	K10308576117232	50	40	88	60	27	M20 x 2.5P	
KBT50 FMH-K40 100 AD/2.5G 25000 SL SP.S	K10308576148232	50	40	88	100	27	M20 x 2.5P	
KBT50 FMH-K40 130 AD/2.5G 25000 SL SP.S	K10315576165240	50	40	88	130	27	M20 x 2.5P	
KBT50 FMH-K40 160 AD/2.5G 25000 SL SP.S	K10308576175232	50	40	88	160	27	M20 x 2.5P	
KBT50 FMH-K60 080 AD/2.5G 25000 SL SP.S	K10315577131240	50	60	128	80	40	-	

Accessories:



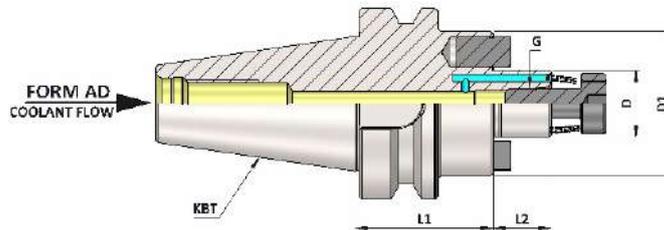
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD) (JD)

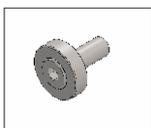


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) FMH-K (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	D	D1	L1	L2	G
KBT50 FMH-K3/4" 060 AD/ 2.5G 25000 SL	K10315958857110	50	3/4"	2"	60	0.687"	3/8"-24 UNF-2B x 1.0"
KBT50 FMH-K3/4" 100 AD/ 2.5G 25000 SL	K10315958148110	50	3/4"	2"	100	0.687"	3/8"-24 UNF-2B x 1.0"
KBT50 FMH-K3/4" 130 AD/ 2.5G 25000 SL	K10315958165110	50	3/4"	2"	130	0.687"	3/8"-24 UNF-2B x 1.0"
KBT50 FMH-K3/4" 160 AD/ 2.5G 25000 SL	K10315958175110	50	3/4"	2"	160	0.687"	3/8"-24 UNF-2B x 1.0"
KBT50 FMH-K1.0" 060 AD/ 2.5G 25000 SL	K10315959123282	50	1.0"	2.375"	60	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT50 FMH-K1.0" 100 AD/ 2.5G 25000 SL	K10315959148282	50	1.0"	2.375"	100	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT50 FMH-K1.0" 130 AD/ 2.5G 25000 SL	K10315959165282	50	1.0"	2.375"	130	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT50 FMH-K1.0" 160 AD/ 2.5G 25000 SL	K10315959175282	50	1.0"	2.375"	160	0.687"	1/2"-20 UNF-2B x 1 1/4"
KBT50 FMH-K1-1/4" 060 AD/ 2.5G 25000 SL	K10315960857282	50	1-1/4"	2.875"	60	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT50 FMH-K1-1/4" 100 AD/ 2.5G 25000 SL	K10315960148282	50	1-1/4"	2.875"	100	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT50 FMH-K1-1/4" 130 AD/ 2.5G 25000 SL	K10315960165282	50	1-1/4"	2.875"	130	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT50 FMH-K1-1/4" 160 AD/ 2.5G 25000 SL	K10315960175282	50	1-1/4"	2.875"	160	0.687"	5/8"-18 UNF-2B x 1 1/4"
KBT50 FMH-K1-1/2" 060 AD/ 2.5G 25000 SL	K10315639857282	50	1-1/2"	3.75"	60	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT50 FMH-K1-1/2" 100 AD/ 2.5G 25000 SL	K10315639148282	50	1-1/2"	3.75"	100	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT50 FMH-K1-1/2" 130 AD/ 2.5G 25000 SL	K10315639165282	50	1-1/2"	3.75"	130	0.938"	3/4"-16 UNF-2B x 1 1/2"
KBT50 FMH-K1-1/2" 160 AD/ 2.5G 25000 SL	K10315639175282	50	1-1/2"	3.75"	160	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



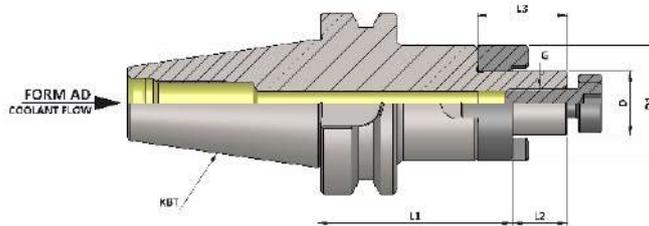
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Combi Shell Mill Adaptor (DIN 6358) CSMA (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) CSMA (AD) (JD) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	L3	G
KBT30 CSMA16 050 AD/2.5G 25000 SL SP.S	K10307121111232	30	16	32	50	17	27	M8 x 1.25P
KBT30 CSMA22 050 AD/2.5G 25000 SL SP.S	K10307122111232	30	22	40	50	19	31	M10 x 1.5P
KBT30 CSMA27 055 AD/2.5G 25000 SL SP.S	K10307123115232	30	27	48	55	21	33	M12 x 1.75P
KBT30 CSMA32 050 AD/2.5G 25000 SL SP.S	K10313124617240	30	32	58	50	24	38	M16 x 2P

KBT40 CSMA16 055 AD/2.5G 25000 SL SP.S	K10291121115232	40	16	32	55	17	27	M8 x 1.25P
KBT40 CSMA16 100 AD/2.5G 25000 SL SP.S	K10291121148232	40	16	32	100	17	27	M8 x 1.25P
KBT40 CSMA16 130 AD/2.5G 25000 SL SP.S	K10314121165240	40	16	32	130	17	27	M8 x 1.25P
KBT40 CSMA16 160 AD/2.5G 25000 SL SP.S	K10291121175232	40	16	32	160	17	27	M8 x 1.25P
KBT40 CSMA22 055 AD/2.5G 25000 SL SP.S	K10291122111232	40	22	40	55	19	31	M10 x 1.5P
KBT40 CSMA22 100 AD/2.5G 25000 SL SP.S	K10291122148232	40	22	40	100	19	31	M10 x 1.5P
KBT40 CSMA22 130 AD/2.5G 25000 SL SP.S	K10314122165240	40	22	40	130	19	31	M10 x 1.5P
KBT40 CSMA22 160 AD/2.5G 25000 SL SP.S	K10291122175232	40	22	40	160	19	31	M10 x 1.5P
KBT40 CSMA27 055 AD/2.5G 25000 SL SP.S	K10291123115232	40	27	48	55	21	33	M12 x 1.75P
KBT40 CSMA27 100 AD/2.5G 25000 SL SP.S	K10291123148232	40	27	48	100	21	33	M12 x 1.75P
KBT40 CSMA27 130 AD/2.5G 25000 SL SP.S	K10314123165240	40	27	48	130	21	33	M12 x 1.75P
KBT40 CSMA27 160 AD/2.5G 25000 SL SP.S	K10291123175232	40	27	48	160	21	33	M12 x 1.75P
KBT40 CSMA32 060 AD/2.5G 25000 SL SP.S	K10291124117232	40	32	58	60	24	38	M16 x 2P
KBT40 CSMA32 100 AD/2.5G 25000 SL SP.S	K10291124148232	40	32	58	100	24	38	M16 x 2P
KBT40 CSMA32 130 AD/2.5G 25000 SL SP.S	K10314124165240	40	32	58	130	24	38	M16 x 2P
KBT40 CSMA32 160 AD/2.5G 25000 SL SP.S	K10291124175232	40	32	58	160	24	38	M16 x 2P
KBT40 CSMA40 060 AD/2.5G 25000 SL SP.S	K10291125117232	40	40	70	60	27	41	M20 x 2.5P
KBT40 CSMA40 100 AD/2.5G 25000 SL SP.S	K10291125148232	40	40	70	100	27	41	M20 x 2.5P
KBT40 CSMA40 130 AD/2.5G 25000 SL SP.S	K10314125165240	40	40	70	130	27	41	M20 x 2.5P
KBT40 CSMA40 160 AD/2.5G 25000 SL SP.S	K10291125175232	40	40	70	160	27	41	M20 x 2.5P

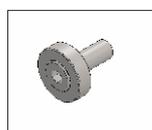
Accessories:



CSMA DRIVER RING



CSMA KEY



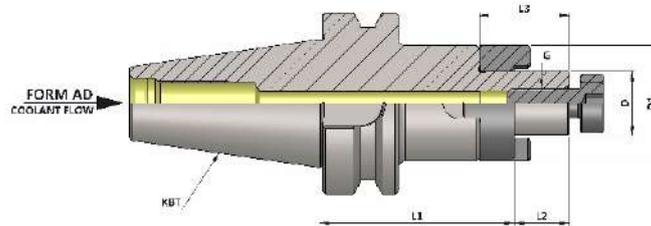
FMH / CSMA CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Combi Shell Mill Adaptor (DIN 6358) CSMA (AD) (JD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) CSMA (AD) (JD)								(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	ISO	D	D1	L1	L2	L3	G	
KBT50 CSMA16 070 AD/2.5G 25000 SL SP.S	K10308121125232	50	16	32	70	17	27	M8 x 1.25P	
KBT50 CSMA16 100 AD/2.5G 25000 SL SP.S	K10308121148232	50	16	32	100	17	27	M8 x 1.25P	
KBT50 CSMA16 130 AD/2.5G 25000 SL SP.S	K10315121165240	50	16	32	130	17	27	M8 x 1.25P	
KBT50 CSMA16 160 AD/2.5G 25000 SL SP.S	K10308121175232	50	16	32	160	17	27	M8 x 1.25P	
KBT50 CSMA22 070 AD/2.5G 25000 SL SP.S	K10308122125232	50	22	40	70	19	31	M10 x 1.5P	
KBT50 CSMA22 100 AD/2.5G 25000 SL SP.S	K10308122148232	50	22	40	100	19	31	M10 x 1.5P	
KBT50 CSMA22 130 AD/2.5G 25000 SL SP.S	K10315122165240	50	22	40	130	19	31	M10 x 1.5P	
KBT50 CSMA22 160 AD/2.5G 25000 SL SP.S	K10308122175232	50	22	40	160	19	31	M10 x 1.5P	
KBT50 CSMA27 070 AD/2.5G 25000 SL SP.S	K10308123125232	50	27	48	70	21	33	M12 x 1.75P	
KBT50 CSMA27 100 AD/2.5G 25000 SL SP.S	K10308123148232	50	27	48	100	21	33	M12 x 1.75P	
KBT50 CSMA27 130 AD/2.5G 25000 SL SP.S	K10315123165240	50	27	48	130	21	33	M12 x 1.75P	
KBT50 CSMA27 160 AD/2.5G 25000 SL SP.S	K10308123175232	50	27	48	160	21	33	M12 x 1.75P	
KBT50 CSMA32 070 AD/2.5G 25000 SL SP.S	K10308124125232	50	32	58	70	24	38	M16 x 2P	
KBT50 CSMA32 100 AD/2.5G 25000 SL SP.S	K10308124148232	50	32	58	100	24	38	M16 x 2P	
KBT50 CSMA32 130 AD/2.5G 25000 SL SP.S	K10315124165240	50	32	58	130	24	38	M16 x 2P	
KBT50 CSMA32 160 AD/2.5G 25000 SL SP.S	K10308124175232	50	32	58	160	24	38	M16 x 2P	
KBT50 CSMA40 070 AD/2.5G 25000 SL SP.S	K10308125125232	50	40	70	70	27	41	M20 x 2.5P	
KBT50 CSMA40 100 AD/2.5G 25000 SL SP.S	K10308125148232	50	40	70	100	27	41	M20 x 2.5P	
KBT50 CSMA40 130 AD/2.5G 25000 SL SP.S	K10315125165240	50	40	70	130	27	41	M20 x 2.5P	
KBT50 CSMA40 160 AD/2.5G 25000 SL SP.S	K10308125175232	50	40	70	160	27	41	M20 x 2.5P	

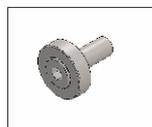
Accessories:



CSMA DRIVER RING



CSMA KEY



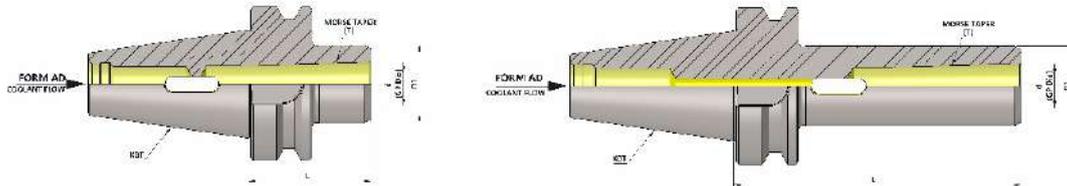
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Morse Taper Adaptor (DIN 6383) (MTA)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



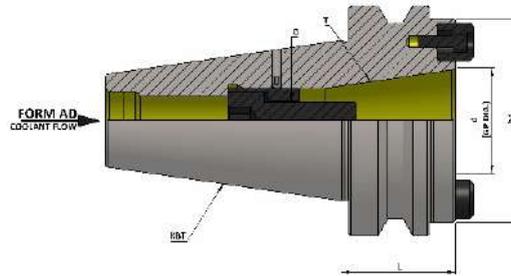
KBT (BT MAS 403) MTA				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	Morse Taper(T)	d (GP)	D1	L	
KBT30 MT01 050 2.5G 25000 SL	K10307447111110	30	1	12.065	25	50	
KBT30 MT02 060 2.5G 25000 SL	K10307448117110	30	2	17.780	32	60	
KBT30 MT03 075 2.5G 25000 SL	K10307449127110	30	3	23.825	40	75	
KBT40 MT01 050 2.5G 25000 SL	K10291447111110	40	1	12.065	25	50	
KBT40 MT01 115 2.5G 25000 SL	K10291447159110	40	1	12.065	25	115	
KBT40 MT02 050 2.5G 25000 SL	K10291448111110	40	2	17.780	32	50	
KBT40 MT02 125 2.5G 25000 SL	K10291448164110	40	2	17.780	32	125	
KBT40 MT03 070 2.5G 25000 SL	K10291449125110	40	3	23.825	40	70	
KBT40 MT03 140 2.5G 25000 SL	K10291449169110	40	3	23.825	40	140	
KBT40 MT04 095 2.5G 25000 SL	K10291451145110	40	4	31.267	48	95	
KBT50 MT01 050 2.5G 25000 SL	K10308447111110	50	1	12.065	25	50	
KBT50 MT01 120 2.5G 25000 SL	K10308447162110	50	1	12.065	25	120	
KBT50 MT02 060 2.5G 25000 SL	K10308448117110	50	2	17.780	32	60	
KBT50 MT02 140 2.5G 25000 SL	K10308448169110	50	2	17.780	32	140	
KBT50 MT03 065 2.5G 25000 SL	K10308449123110	50	3	23.825	40	65	
KBT50 MT03 150 2.5G 25000 SL	K10308449173110	50	3	23.825	40	150	
KBT50 MT04 095 2.5G 25000 SL	K10308451145110	50	4	31.267	48	95	
KBT50 MT04 180 2.5G 25000 SL	K10308451178110	50	4	31.267	48	180	
KBT50 MT05 120 2.5G 25000 SL	K10308450162110	50	5	44.399	63	120	
KBT50 MT05 220 2.5G 25000 SL	K10308450180110	50	5	44.399	63	220	

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Reduction Sleeve



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied

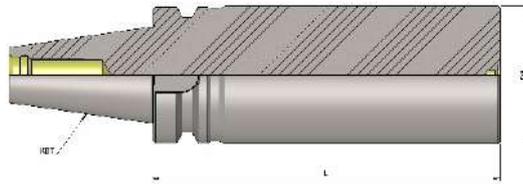


KBT (BT MAS 403) REDUCTION SLEEVE

Item Name	Item Code	ISO	d (GP)	D1	T	L	G
KBT50 x KBT40 REDUCTION SLEEVE	K10315610877127	50	44.45	88.80	7.24	49	M16

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Boring Bar Blank



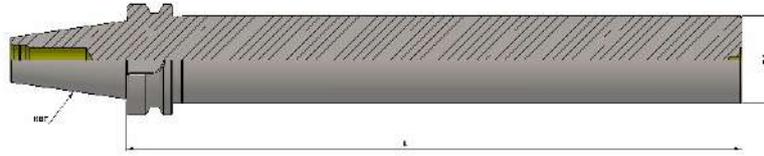
KBT (BT MAS 403) Boring Bar Blank				
Item Name	Item Code	ISO	D1	L
KBT30 BORING BAR BLANK DIA 50.0 L 175	K10345662622224	30	50	175
KBT40 BORING BAR BLANK DIA 63.5 L 120	K10291173498127	40	63.5	120
KBT40 BORING BAR BLANK DIA 63.5 L 160	K10291173330127	40	63.5	160
KBT40 BORING BAR BLANK DIA 63.5 L 250	K10291173256127	40	63.5	250
KBT50 BORING BAR BLANK DIA 80.0 L 160	K10308264330127	50	80	160
KBT50 BORING BAR BLANK DIA 80.0 L 200	K10308264237127	50	80	200
KBT50 BORING BAR BLANK DIA 80.0 L 300	K10308264257127	50	80	300
KBT50 BORING BAR BLANK DIA 97.0 L 315	K10308265329127	50	97	315

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Master Mandrell



Maximum Run out of the External Dia with respect to the External Taper 0.003 mm as supplied



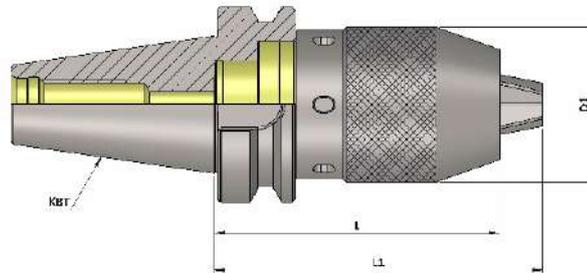
KBT (BT MAS 403) Master Mandrell				(Sub Zero Treated)	
Item Name	Item Code	ISO	D1	L	
KBT30 MASTER MANDRELL DIA 32 L 235	K10313164612127	30	32	235	
KBT40 MASTER MANDRELL DIA 50 L 350	K10314166258127	40	50	350	
KBT50 MASTER MANDRELL DIA 50 L 360	K10315166613127	50	50	360	

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) NC Drill Chuck (NCDC)



Maximum Run out on the Mandrell with respect to the External Taper 0.050 mm as supplied



KBT (BT MAS 403) (NCDC)

Item Name	Item Code	ISO	D1	L	L1
KBT30 NCDC113 112.5	K10307167345127	30	50	112.5	125
KBT40 NCDC113 092.5	K10291167142127	40	50	92.5	105
KBT50 NCDC113 107.5	K10308167154127	50	50	107.5	120

Accessories:



SPANNER NCDC

Note: All Dimensions are in mm

Features:

- For Mounting of Screw type Modular Milling Cutters.
- Slim Design & hence easy to reach at deep cavities.
- Unibody Construction
- All "KTA" Milling Cutter Arbors are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

Available In Mountings:

- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)

Balancing:

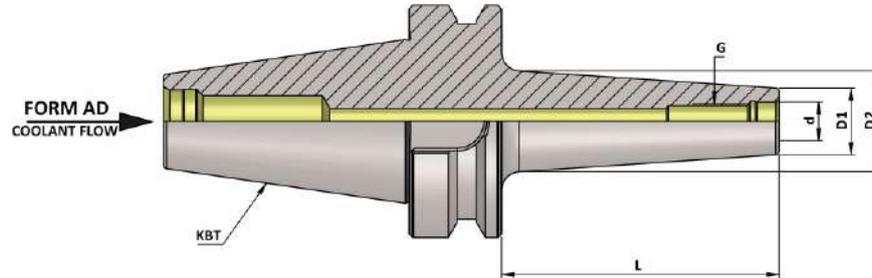
- Balanced To 2.5 G 25000RPM



KBT (BT MAS 403) (DIN ISO 7388 - 2) Milling Cutter Arbor (MCA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



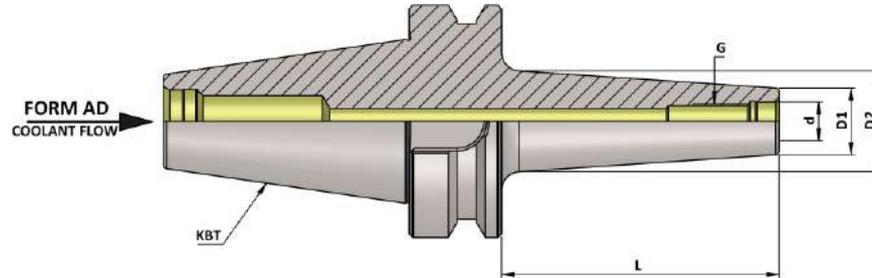
KBT (BT MAS 403) (MCA) (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	d	D1	D2	G	L
KBT40 MCA06 025 AD/2.5G 25000 SL	K10291137101228	40	6.5	10	13	M6	25
KBT40 MCA06 050 AD/2.5G 25000 SL	K10291137111228	40	6.5	10	20	M6	50
KBT40 MCA06 075 AD/2.5G 25000 SL	K10291137127228	40	6.5	10	23	M6	75
KBT40 MCA08 025 AD/2.5G 25000 SL	K10291138101228	40	8.5	13	15	M8	25
KBT40 MCA08 050 AD/2.5G 25000 SL	K10291138111228	40	8.5	13	23	M8	50
KBT40 MCA08 075 AD/2.5G 25000 SL	K10291138127228	40	8.5	13	23	M8	75
KBT40 MCA08 100 AD/2.5G 25000 SL	K10291138148228	40	8.5	13	25	M8	100
KBT40 MCA10 025 AD/2.5G 25000 SL	K10291139101228	40	10.5	18	20	M10	25
KBT40 MCA10 050 AD/2.5G 25000 SL	K10291139111228	40	10.5	18	23	M10	50
KBT40 MCA10 075 AD/2.5G 25000 SL	K10291139127228	40	10.5	18	28	M10	75
KBT40 MCA10 100 AD/2.5G 25000 SL	K10291139148228	40	10.5	18	32	M10	100
KBT40 MCA12 025 AD/2.5G 25000 SL	K10291140101228	40	12.5	21	24	M12	25
KBT40 MCA12 050 AD/2.5G 25000 SL	K10291140111228	40	12.5	21	24	M12	50
KBT40 MCA12 075 AD/2.5G 25000 SL	K10291140127118	40	12.5	21	31	M12	75
KBT40 MCA12 100 AD/2.5G 25000 SL	K10291140148228	40	12.5	21	33	M12	100
KBT40 MCA12 125 AD/2.5G 25000 SL	K10291140164228	40	12.5	21	36	M12	125
KBT40 MCA16 025 AD/2.5G 25000 SL	K10291141101228	40	17.0	29	29	M16	25
KBT40 MCA16 050 AD/2.5G 25000 SL	K10291141111228	40	17.0	29	34	M16	50
KBT40 MCA16 075 AD/2.5G 25000 SL	K10291141127228	40	17.0	29	34	M16	75
KBT40 MCA16 100 AD/2.5G 25000 SL	K10291141148228	40	17.0	29	36	M16	100
KBT40 MCA16 125 AD/2.5G 25000 SL	K10291141164228	40	17.0	29	40	M16	125
KBT40 MCA16 150 AD/2.5G 25000 SL	K10291141173228	40	17.0	29	42.5	M16	150

Note: All Dimensions are in mm

KBT (BT MAS 403) (DIN ISO 7388 - 2) Milling Cutter Arbor (MCA) (AD) (JD)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



KBT (BT MAS 403) (MCA) (AD) (JD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	ISO	d	D1	D2	G	L
KBT50 MCA08 050 AD/2.5G 25000 SL	K10308138111129	50	8.5	13	23	M8	50
KBT50 MCA08 100 AD/2.5G 25000 SL	K10308138148129	50	8.5	13	25	M8	100
KBT50 MCA08 150 AD/2.5G 25000 SL	K10308138173129	50	8.5	13	30	M8	150
KBT50 MCA10 050 AD/2.5G 25000 SL	K10308139111129	50	10.5	18	23	M10	50
KBT50 MCA10 100 AD/2.5G 25000 SL	K10308139148129	50	10.5	18	32	M10	100
KBT50 MCA10 150 AD/2.5G 25000 SL	K10308139173129	50	10.5	18	36.5	M10	150
KBT50 MCA12 050 AD/2.5G 25000 SL	K10308140111129	50	12.5	21	24	M12	50
KBT50 MCA12 100 AD/2.5G 25000 SL	K10308140148129	50	12.5	21	33	M12	100
KBT50 MCA12 150 AD/2.5G 25000 SL	K10308140173129	50	12.5	21	40	M12	150
KBT50 MCA16 050 AD/2.5G 25000 SL	K10308141111129	50	17.0	29	34	M16	50
KBT50 MCA16 100 AD/2.5G 25000 SL	K10308141148129	50	17.0	29	36	M16	100
KBT50 MCA16 150 AD/2.5G 25000 SL	K10308141173129	50	17.0	29	42.5	M16	150

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant supply only.

Features:

- Quick Change features to suit KTA-Quick Change Adaptors with and without safety clutch.
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences.
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

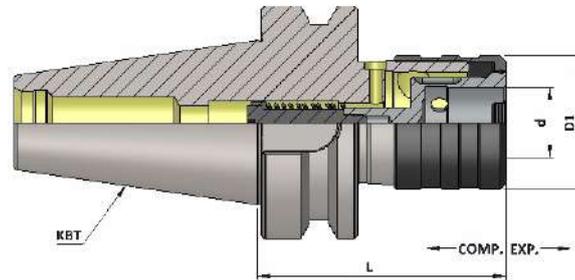
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871)(DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- VDI Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



KBT (MAS 403) (DIN ISO 7388 - 2) Quick Change Tapping Chuck (KWFLK)



KBT (BT MAS 403) (KWFLK)

Item Name	Item Code	ISO	Capacity	Suitable Adaptor	Comp.	Exp.	d	D1	L
KBT30 KWFLK1 064	K10307169120127	30	M3-M12	KWES1B	7.50	7.50	19	36	64
KBT30 KWFLK2 99.0	K10345662622248	30	M6-M20	KWES2B	12.50	12.50	31	53	99
KBT40 KWFLK1 67.5	K10291169124127	40	M3-M12	KWES1B	7.50	7.50	19	36	67.5
KBT40 KWFLK2 94.5	K10291169144127	40	M6-M20	KWES2B	12.50	12.50	31	53	94.5
KBT40 KWFLK3 164.5	K10291171176127	40	M14-M33	KWES3B	20.00	20.00	48	78	164.5
KBT40 KWFLK4 180.0	K10291172478127	40	M22-M48	KWES4B	22.50	22.50	60	96	180.0
KBT50 KWFLK1 77.0	K10308169279127	50	M3-M12	KWES1B	7.50	7.50	19	36	77.0
KBT50 KWFLK2 102.5	K10308170280127	50	M6-M20	KWES2B	12.50	12.50	31	53	102.5
KBT50 KWFLK3 142.5	K10308171171127	50	M14-M33	KWES3B	20.00	20.00	48	78	142.5
KBT50 KWFLK4 164.5	K10308172176127	50	M22-M48	KWES4B	22.50	22.50	60	96	164.5

Accessories:



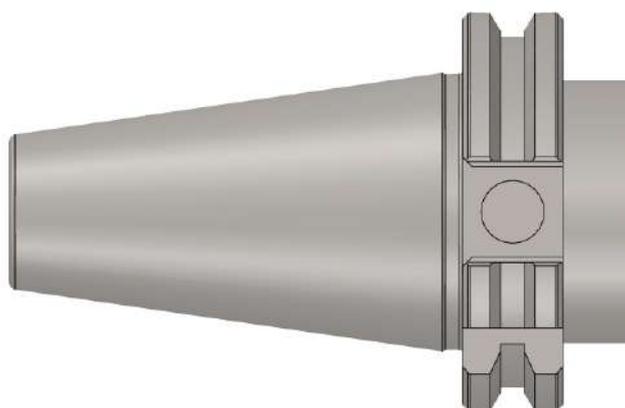
Tap Adaptor KWES B & KWESK B



Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

**Precision Tool Holders
SK (DIN 69871)
(DIN ISO 7388-1)**



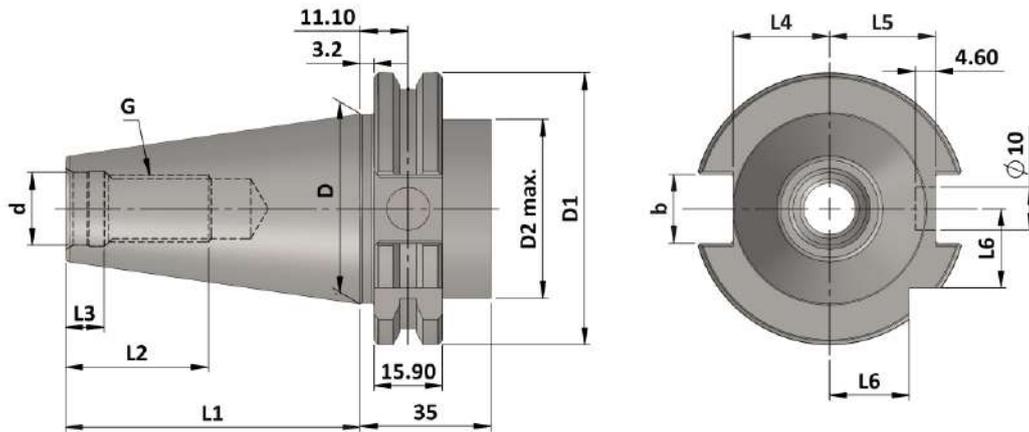
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Sr. No.	Contents		Page No.
①	Technical Information : SK (DIN 69871) (DIN ISO 7388-1)		109
②	Collet Chuck ER (DIN 6499) <ul style="list-style-type: none"> ● Collet Chuck ER (AD) ● Collet Chuck ER (AD+B) (AD/AF) ● Collet Chuck ER 'M' Type (AD+B) (AD/AF) ● Collet Chuck ER-'A' Type Short G.P ● Collet Chuck ER (AD) Long Series 		110 - 117
③	Weldon Type End Mill Holders (DIN 6359) <ul style="list-style-type: none"> ● Weldon (WE) (AD) ● Weldon (WE) (AD+B) (AD/AF) ● Weldon (WE : FCC) (AD+B) (AD/AF) 		118 - 129
④	Side Lock Adaptors (SLA) <ul style="list-style-type: none"> ● Side Lock Adaptors Long Series (SLA) (AD) 		130 - 131
⑤	Face Mill Holders (FMH) (DIN 6357) <ul style="list-style-type: none"> ● FMH (AD) ● FMH-K (Through Coolant) (AD+B) (AD/AF) 		132 - 135
⑥	Combi Shell Mill Adaptor (CSMA) (DIN 6358)		136 - 137
⑦	Morse Taper Adaptor (MTA) (DIN 6383)		138
⑧	Reduction Sleeve (SK50 x SK40)		139

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⑫	Milling Cutter Arbor (MCA)		143 - 145
⑬	Quick Change Tapping Chuck (KWFLK)		146 - 147

SK (DIN 69871) (DIN ISO 7388 - 1) Technical Information



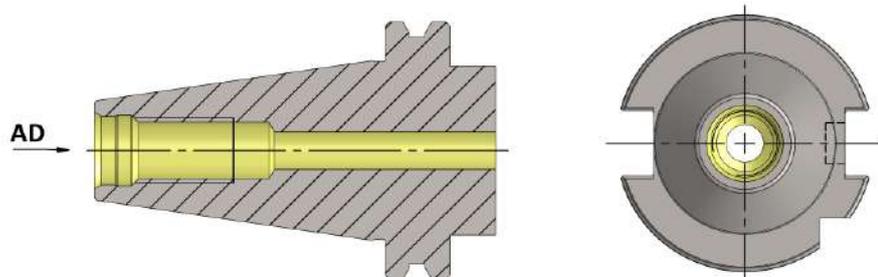
SK	d	d1	D	D1	D2	e	b	G	L1	L2	L3	L4	L5	L6
30	13	4	31.75	50	45	21	16.1	M12	47.8	24	5.5	16.4	19.0	15.00
40	17	4	44.45	63.55	50	27	16.1	M16	68.4	32	8.2	22.80	25.0	18.50
50	25	6	69.85	97.50	80	42	25.7	M24	101.75	47	11.5	35.50	37.7	30.00

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

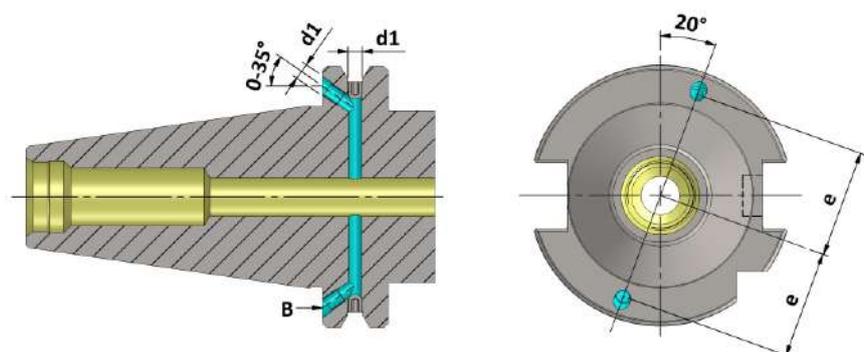
Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

Accuracy :- 7:24 Taper Angle Class AT 3 As per DIN 2080

Old Name : SK (DIN 69871) AD
New Name : SK (DIN 69871) DIN ISO 7388- 1 AD
 (Coolant Supply Through Center)



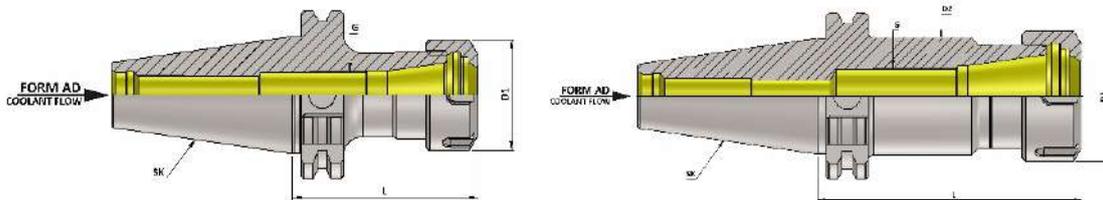
Old Name : SK (DIN 69871) AD+ B
New Name : SK (DIN 69871) DIN ISO 7388- 1 AD / AF
 (Coolant Supply Through Flange)



SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck ER (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD)											(Balanced to 2.5G 25000 RPM)
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
SK40 ER 16 070 AD/2.5G 25000 SL	K10104149125110	40	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16	
SK40 ER 16 100 AD/2.5G 25000 SL	K10104149148110	40	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16	
SK40 ER 16 130 AD/2.5G 25000 SL	K10104149165110	40	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16	
SK40 ER 16 160 AD/2.5G 25000 SL	K10104149175110	40	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16	
SK40 ER 20 070 AD/2.5G 25000 SL	K10104150125110	40	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20	
SK40 ER 20 100 AD/2.5G 25000 SL	K10104150148110	40	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20	
SK40 ER 20 130 AD/2.5G 25000 SL	K10104150165110	40	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20	
SK40 ER 20 160 AD/2.5G 25000 SL	K10104150175110	40	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20	
SK40 ER 25 070 AD/2.5G 25000 SL	K10104151125110	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
SK40 ER 25 100 AD/2.5G 25000 SL	K10104151148110	40	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25	
SK40 ER 25 130 AD/2.5G 25000 SL	K10104151165110	40	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25	
SK40 ER 25 160 AD/2.5G 25000 SL	K10104151175110	40	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25	
SK40 ER 32 070 AD/2.5G 25000 SL	K10104152125110	40	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32	
SK40 ER 32 100 AD/2.5G 25000 SL	K10104152148110	40	ER32	2.0-20	50	45	M22X1.5P	100	UM/ER32	E32	
SK40 ER 32 130 AD/2.5G 25000 SL	K10104152165110	40	ER32	2.0-20	50	45	M22X1.5P	130	UM/ER32	E32	
SK40 ER 32 160 AD/2.5G 25000 SL	K10104152175110	40	ER32	2.0-20	50	45	M22X1.5P	160	UM/ER32	E32	
SK40 ER 40 070 AD/2.5G 25000 SL	K10104153125110	40	ER40	3.0-26	63	-	M30X1.5P	70	UM/ER40	E40	
SK40 ER 40 100 AD/2.5G 25000 SL	K10104153148110	40	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40	
SK40 ER 40 130 AD/2.5G 25000 SL	K10104153165110	40	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40	
SK40 ER 40 160 AD/2.5G 25000 SL	K10104153175110	40	ER40	3.0-26	63	-	M30X1.5P	160	UM/ER40	E40	
SK40 ER 50 100 AD/2.5G 25000 SL	K10104154148110	40	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



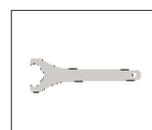
ER NUT



ER STOPPER SCREW



SEALING DISC



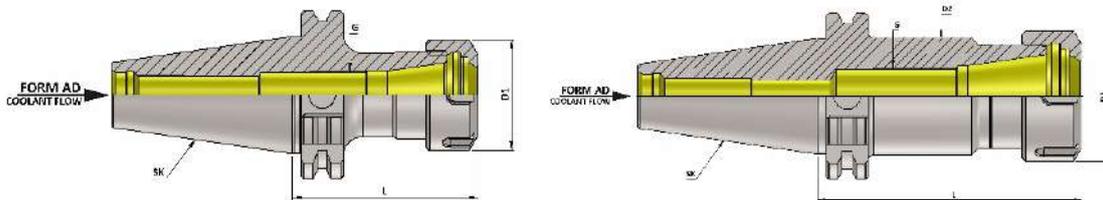
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck ER (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD)											(Balanced to 2.5G 25000 RPM)
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
SK50 ER 16 070 AD/2.5G 25000 SL	K10105149125110	50	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16	
SK50 ER 16 100 AD/2.5G 25000 SL	K10105149148110	50	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16	
SK50 ER 16 130 AD/2.5G 25000 SL	K10105149165110	50	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16	
SK50 ER 16 160 AD/2.5G 25000 SL	K10105149175110	50	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16	
SK50 ER 20 070 AD/2.5G 25000 SL	K10105150125110	50	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20	
SK50 ER 20 100 AD/2.5G 25000 SL	K10105150148110	50	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20	
SK50 ER 20 130 AD/2.5G 25000 SL	K10105150165110	50	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20	
SK50 ER 20 160 AD/2.5G 25000 SL	K10105150175122	50	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20	
SK50 ER 25 070 AD/2.5G 25000 SL	K10105151125110	50	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
SK50 ER 25 100 AD/2.5G 25000 SL	K10105151148110	50	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25	
SK50 ER 25 130 AD/2.5G 25000 SL	K10105151165110	50	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25	
SK50 ER 25 160 AD/2.5G 25000 SL	K10105151175110	50	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25	
SK50 ER 32 070 AD/2.5G 25000 SL	K10105152125110	50	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32	
SK50 ER 32 100 AD/2.5G 25000 SL	K10105152148110	50	ER32	2.0-20	50	48	M22X1.5P	100	UM/ER32	E32	
SK50 ER 32 130 AD/2.5G 25000 SL	K10105152165110	50	ER32	2.0-20	50	48	M22X1.5P	130	UM/ER32	E32	
SK50 ER 32 160 AD/2.5G 25000 SL	K10105152175110	50	ER32	2.0-20	50	48	M22X1.5P	160	UM/ER32	E32	
SK50 ER 40 080 AD/2.5G 25000 SL	K10105153131110	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	
SK50 ER 40 100 AD/2.5G 25000 SL	K10105153148110	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40	
SK50 ER 40 130 AD/2.5G 25000 SL	K10105153165110	50	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40	
SK50 ER 40 160 AD/2.5G 25000 SL	K10105153175110	50	ER40	3.0-26	63	60	M30X1.5P	160	UM/ER40	E40	
SK50 ER 50 100 AD/2.5G 25000 SL	K10105154148110	50	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50	
SK50 ER 50 160 AD/2.5G 25000 SL	K10105154175110	50	ER50	10.0-34	78	-	M16X2P	160	UM/ER50	E50	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



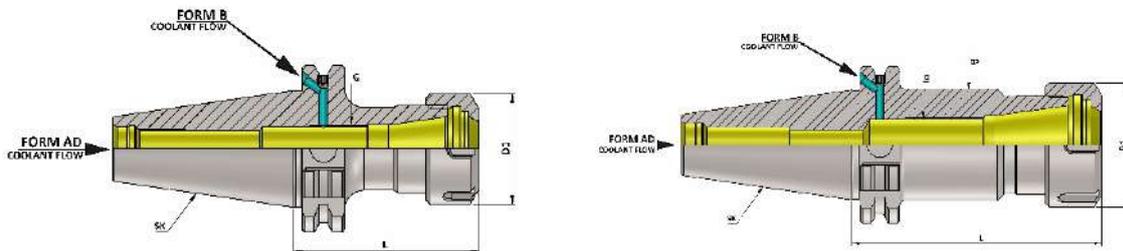
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck ER (DIN 6499) (AD+B) (AD/AF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD+B) (AD/AF)											(Balanced to 2.5G 25000 RPM)	
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
SK40 ER 16 070 AD+B/2.5G 25000 SL	K10104149125112	40	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16		
SK40 ER 16 100 AD+B/2.5G 25000 SL	K10104149148112	40	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
SK40 ER 16 130 AD+B/2.5G 25000 SL	K10104149165112	40	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
SK40 ER 16 160 AD+B/2.5G 25000 SL	K10104149175112	40	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
SK40 ER 20 070 AD+B/2.5G 25000 SL	K10104150125112	40	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20		
SK40 ER 20 100 AD+B/2.5G 25000 SL	K10104150148112	40	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
SK40 ER 20 130 AD+B/2.5G 25000 SL	K10104150165112	40	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
SK40 ER 20 160 AD+B/2.5G 25000 SL	K10104150175112	40	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
SK40 ER 25 070 AD+B/2.5G 25000 SL	K10104151125112	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25		
SK40 ER 25 100 AD+B/2.5G 25000 SL	K10104151148112	40	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
SK40 ER 25 130 AD+B/2.5G 25000 SL	K10104151165112	40	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
SK40 ER 25 160 AD+B/2.5G 25000 SL	K10104151175112	40	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
SK40 ER 32 070 AD+B/2.5G 25000 SL	K10104152125112	40	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32		
SK40 ER 32 100 AD+B/2.5G 25000 SL	K10104152148112	40	ER32	2.0-20	50	45	M22X1.5P	100	UM/ER32	E32		
SK40 ER 32 130 AD+B/2.5G 25000 SL	K10104152165112	40	ER32	2.0-20	50	45	M22X1.5P	130	UM/ER32	E32		
SK40 ER 32 160 AD+B/2.5G 25000 SL	K10104152175112	50	ER32	2.0-20	50	45	M22X1.5P	160	UM/ER32	E32		
SK40 ER 40 070 AD+B/2.5G 25000 SL	K10104153125112	40	ER40	3.0-26	63	-	M30X1.5P	70	UM/ER40	E40		
SK40 ER 40 100 AD+B/2.5G 25000 SL	K10104153148112	40	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
SK40 ER 40 130 AD+B/2.5G 25000 SL	K10104153165112	40	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
SK40 ER 40 160 AD+B/2.5G 25000 SL	K10104153175112	40	ER40	3.0-26	63	-	M30X1.5P	160	UM/ER40	E40		
SK40 ER 50 100 AD+B/2.5G 25000 SL	K10104154148112	40	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



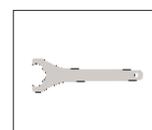
ER NUT



ER STOPPER SCREW



SEALING DISC



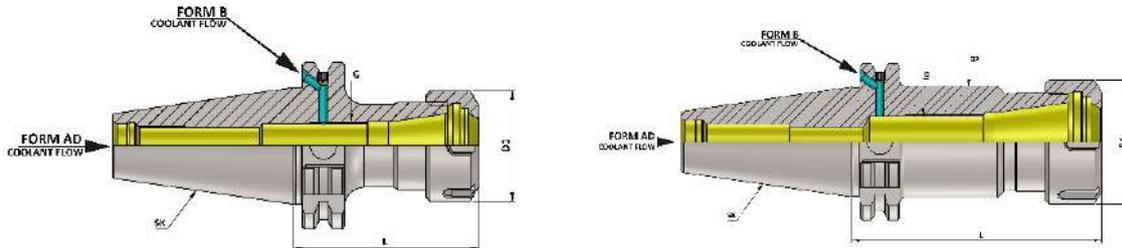
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck ER (DIN 6499) (AD+B) (AD/AF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD+B) (AD/AF)											(Balanced to 2.5G 25000 RPM)	
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
SK50 ER 16 070 AD+B/2.5G 25000 SL	K10105149125112	50	ER16	0.5-10	32	-	M10X1P	70	UM/ER16	E16		
SK50 ER 16 100 AD+B/2.5G 25000 SL	K10105149148112	50	ER16	0.5-10	32	28	M10X1P	100	UM/ER16	E16		
SK50 ER 16 130 AD+B/2.5G 25000 SL	K10105149165233	50	ER16	0.5-10	32	28	M10X1P	130	UM/ER16	E16		
SK50 ER 16 160 AD+B/2.5G 25000 SL	K10105149175112	50	ER16	0.5-10	32	28	M10X1P	160	UM/ER16	E16		
SK50 ER 20 070 AD+B/2.5G 25000 SL	K10344210101562	50	ER20	1.0-13	35	-	M10X1P	70	UM/ER20	E20		
SK50 ER 20 100 AD+B/2.5G 25000 SL	K10344214101562	50	ER20	1.0-13	35	33	M10X1P	100	UM/ER20	E20		
SK50 ER 20 130 AD+B/2.5G 25000 SL	K10344216101562	50	ER20	1.0-13	35	33	M10X1P	130	UM/ER20	E20		
SK50 ER 20 160 AD+B/2.5G 25000 SL	K10344426101562	50	ER20	1.0-13	35	33	M10X1P	160	UM/ER20	E20		
SK50 ER 25 070 AD+B/2.5G 25000 SL	K10105151125112	50	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25		
SK50 ER 25 100 AD+B/2.5G 25000 SL	K10105151148112	50	ER25	1.0-16	42	40	M18X1P	100	UM/ER25	E25		
SK50 ER 25 130 AD+B/2.5G 25000 SL	K10105151165233	50	ER25	1.0-16	42	40	M18X1P	130	UM/ER25	E25		
SK50 ER 25 160 AD+B/2.5G 25000 SL	K10105151175112	50	ER25	1.0-16	42	40	M18X1P	160	UM/ER25	E25		
SK50 ER 32 070 AD+B/2.5G 25000 SL	K10105152125112	50	ER32	2.0-20	50	-	M22X1.5P	70	UM/ER32	E32		
SK50 ER 32 100 AD+B/2.5G 25000 SL	K10105152148112	50	ER32	2.0-20	50	48	M22X1.5P	100	UM/ER32	E32		
SK50 ER 32 130 AD+B/2.5G 25000 SL	K10105152165233	50	ER32	2.0-20	50	48	M22X1.5P	130	UM/ER32	E32		
SK50 ER 32 160 AD+B/2.5G 25000 SL	K10105152175112	50	ER32	2.0-20	50	48	M22X1.5P	160	UM/ER32	E32		
SK50 ER 40 080 AD+B/2.5G 25000 SL	K10105153131112	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40		
SK50 ER 40 100 AD+B/2.5G 25000 SL	K10105153148112	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40		
SK50 ER 40 130 AD+B/2.5G 25000 SL	K10105153165233	50	ER40	3.0-26	63	-	M30X1.5P	130	UM/ER40	E40		
SK50 ER 40 160 AD+B/2.5G 25000 SL	K10105153175112	50	ER40	3.0-26	63	60	M30X1.5P	160	UM/ER40	E40		
SK50 ER 50 100 AD+B/2.5G 25000 SL	K10105154148112	50	ER50	10.0-34	78	-	M16X2P	100	UM/ER50	E50		
SK50 ER 50 160 AD+B/2.5G 25000 SL	K10105154175112	50	ER50	10.0-34	78	-	M16X2P	160	UM/ER50	E50		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



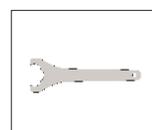
ER NUT



ER STOPPER SCREW



SEALING DISC



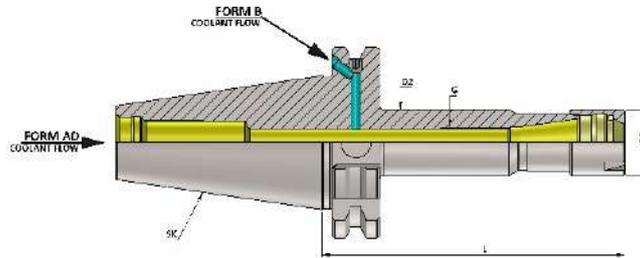
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck ER-M (DIN 6499) (AD+B) (AD/AF)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Collet Chuck ER-M (AD+B) (AD/AF)										(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
SK40 ER11M 050 AD+B/2.5G 25000 SL	K10104156111230	40	ER11	0.5-7	16	16	M6X1P	50	ER11M	E11M	
SK40 ER11M 100 AD+B/2.5G 25000 SL	K10104156148230	40	ER11	0.5-7	16	16	M6X1P	100	ER11M	E11M	
SK40 ER11M 130 AD+B/2.5G 25000 SL	K10104156165230	40	ER11	0.5-7	16	16	M6X1P	130	ER11M	E11M	
SK40 ER11M 160 AD+B/2.5G 25000 SL	K10104156175230	40	ER11	0.5-7	16	16	M6X1P	160	ER11M	E11M	
SK40 ER16M 070 AD+B/2.5G 25000 SL	K10104157125230	40	ER16	0.5-10	22	22	M10X1P	70	ER16M	E16M	
SK40 ER16M 100 AD+B/2.5G 25000 SL	K10104157148140	40	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M	
SK40 ER16M 130 AD+B/2.5G 25000 SL	K10104157165230	40	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M	
SK40 ER16M 160 AD+B/2.5G 25000 SL	K10104157175230	40	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M	
SK40 ER20M 070 AD+B/2.5G 25000 SL	K10344217101562	40	ER20	1.0-13	28	28	M10X1P	70	ER20M	E20M	
SK40 ER20M 100 AD+B/2.5G 25000 SL	K10104158148230	40	ER20	1.0-13	28	28	M10X1P	100	ER20M	E20M	
SK40 ER20M 130 AD+B/2.5G 25000 SL	K10344219101562	40	ER20	1.0-13	28	28	M10X1P	130	ER20M	E20M	
SK40 ER20M 160 AD+B/2.5G 25000 SL	K10104158175230	40	ER20	1.0-13	28	28	M10X1P	160	ER20M	E20M	
SK40 ER25M 070 AD+B/2.5G 25000 SL	K10104159125230	40	ER25	1.0-16	35	35	M18X1P	70	ER25M	E25M	
SK40 ER25M 100 AD+B/2.5G 25000 SL	K10104159148230	40	ER25	1.0-16	35	35	M18X1P	100	ER25M	E25M	
SK40 ER25M 130 AD+B/2.5G 25000 SL	K10345660621562	40	ER25	1.0-16	35	35	M18X1P	130	ER25M	E25M	
SK40 ER25M 160 AD+B/2.5G 25000 SL	K10104159175230	40	ER25	1.0-16	35	35	M18X1P	160	ER25M	E25M	
SK50 ER16M 100 AD+B/2.5G 25000 SL	K10105157148230	50	ER16	0.5-10	22	22	M10X1P	100	ER16M	E16M	
SK50 ER16M 130 AD+B/2.5G 25000 SL	K10105157165230	50	ER16	0.5-10	22	22	M10X1P	130	ER16M	E16M	
SK50 ER16M 160 AD+B/2.5G 25000 SL	K10105157175230	50	ER16	0.5-10	22	22	M10X1P	160	ER16M	E16M	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



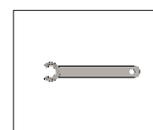
ER M NUT



ER STOPPER SCREW



SEALING DISC



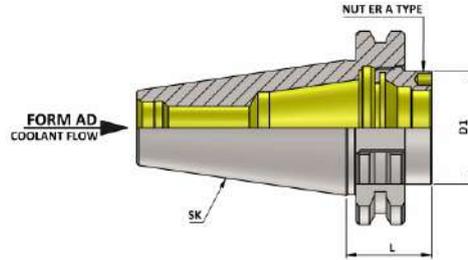
E - M SPANNER

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Short Length Collet Chuck ER-A (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) Short Length Collet Chuck ER-A (AD)					(Balanced to 2.5 G 25000 RPM)		
Item Name	Item Code	SK	Suitable Collet	Collet Capacity	D1	L	Suitable Nut
SK40 ER 32A 24 AD/2.5G 25000 SL	K10104244248110	40	ER32	2-20	40	24	ER32A
SK50 ER 32A 24 AD/2.5G 25000 SL	K10105244248110	50	ER32	2-20	40	24	ER32A

Accessories:



ER COLLET (DIN 6499)



ER TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER A TYPE NUT



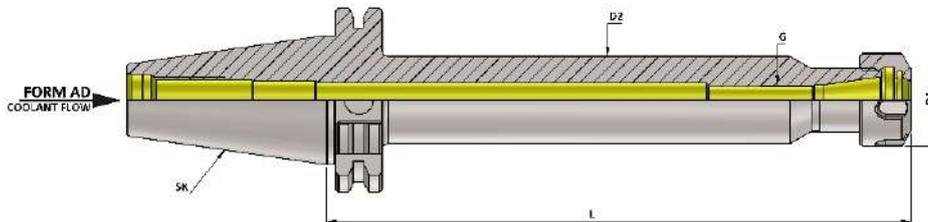
ER A TYPE SPANNER

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck Long Series ER (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD)

ITEM NAME	ITEM CODE	SK	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
SK40 ER 16 200 AD	K10104149239543	40	ER 16	0.5-10	32	30	200	M10 x 1.5P	UM/ER16	E16
SK40 ER 16 250 AD	K10104149182543	40	ER 16	0.5-10	32	30	250	M10 x 1.5P	UM/ER16	E16
SK40 ER 16 300 AD	K10104149183543	40	ER 16	0.5-10	32	30	300	M10 x 1.5P	UM/ER16	E16
SK40 ER 20 200 AD	K10104150239543	40	ER 20	1.0-13	35	34	200	M10 x 1.5P	UM/ER20	E20
SK40 ER 20 250 AD	K10104150182543	40	ER 20	1.0-13	35	34	250	M10 x 1.5P	UM/ER20	E20
SK40 ER 20 300 AD	K10104150183543	40	ER 20	1.0-13	35	34	300	M10 x 1.5P	UM/ER20	E20
SK40 ER 25 200 AD	K10104151239543	40	ER 25	1.0-16	42	40	200	M16 x 2P	UM/ER25	E25
SK40 ER 25 250 AD	K10104151182543	40	ER 25	1.0-16	42	40	250	M16 x 2P	UM/ER25	E25
SK40 ER 25 300 AD	K10104151183543	40	ER 25	1.0-16	42	40	300	M16 x 2P	UM/ER25	E25
SK40 ER 32 200 AD	K10104152239543	40	ER 32	2.0-20	50	48	200	M16 x 2P	UM/ER32	E32
SK40 ER 32 250 AD	K10104152182543	40	ER 32	2.0-20	50	48	250	M16 x 2P	UM/ER32	E32
SK40 ER 32 300 AD	K10104152183543	40	ER 32	2.0-20	50	48	300	M16 x 2P	UM/ER32	E32
SK40 ER 40 200 AD	K10104153239543	40	ER 40	3.0-26	63	52	200	M16 x 2P	UM/ER40	E40
SK40 ER 40 250 AD	K10104153182543	40	ER 40	3.0-26	63	52	250	M16 x 2P	UM/ER40	E40
SK40 ER 40 300 AD	K10104153183543	40	ER 40	3.0-26	63	52	300	M16 x 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



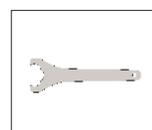
ER NUT



ER STOPPER SCREW



SEALING DISC



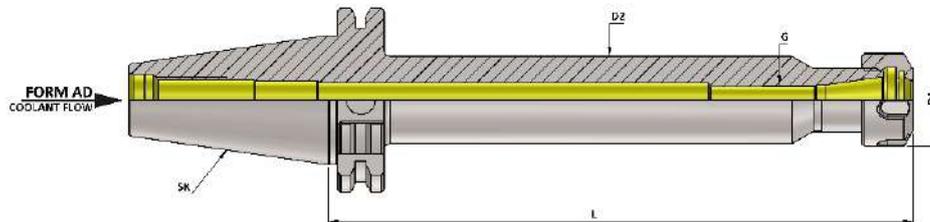
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Collet Chuck Long Series ER (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



SK (DIN 69871) Collet Chuck ER (AD)

ITEM NAME	ITEM CODE	SK	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
SK50 ER 16 200 AD	K10105149239543	50	ER 16	0.5-10	32	30	200	M10 x 1.5P	UM/ER16	E16
SK50 ER 16 250 AD	K10105149182543	50	ER 16	0.5-10	32	30	250	M10 x 1.5P	UM/ER16	E16
SK50 ER 16 300 AD	K10105149183543	50	ER 16	0.5-10	32	30	300	M10 x 1.5P	UM/ER16	E16
SK50 ER 16 350 AD	K10105149184543	50	ER 16	0.5-10	32	30	350	M10 x 1.5P	UM/ER16	E16
SK50 ER 16 400 AD	K10105149540543	50	ER 16	0.5-10	32	30	400	M10 x 1.5P	UM/ER16	E16
SK50 ER 20 200 AD	K10105150239543	50	ER 20	1.0-13	35	34	200	M10 x 1.5P	UM/ER20	E20
SK50 ER 20 250 AD	K10105150182543	50	ER 20	1.0-13	35	34	250	M10 x 1.5P	UM/ER20	E20
SK50 ER 20 300 AD	K10105150183543	50	ER 20	1.0-13	35	34	300	M10 x 1.5P	UM/ER20	E20
SK50 ER 20 350 AD	K10105150184543	50	ER 20	1.0-13	35	34	350	M10 x 1.5P	UM/ER20	E20
SK50 ER 20 400 AD	K10105150540543	50	ER 20	1.0-13	35	34	400	M10 x 1.5P	UM/ER20	E20
SK50 ER 25 200 AD	K10105151239543	50	ER 25	1.0-16	42	40	200	M16 x 2P	UM/ER25	E25
SK50 ER 25 250 AD	K10105151182543	50	ER 25	1.0-16	42	40	250	M16 x 2P	UM/ER25	E25
SK50 ER 25 300 AD	K10105151183543	50	ER 25	1.0-16	42	40	300	M16 x 2P	UM/ER25	E25
SK50 ER 25 350 AD	K10105151184543	50	ER 25	1.0-16	42	40	350	M16 x 2P	UM/ER25	E25
SK50 ER 25 400 AD	K10105151540543	50	ER 25	1.0-16	42	40	400	M16 x 2P	UM/ER25	E25
SK50 ER 32 200 AD	K10105152239543	50	ER 32	2.0-20	50	48	200	M16 x 2P	UM/ER32	E32
SK50 ER 32 250 AD	K10105152182543	50	ER 32	2.0-20	50	48	250	M16 x 2P	UM/ER32	E32
SK50 ER 32 300 AD	K10105152183543	50	ER 32	2.0-20	50	48	300	M16 x 2P	UM/ER32	E32
SK50 ER 32 350 AD	K10105152184543	50	ER 32	2.0-20	50	48	350	M16 x 2P	UM/ER32	E32
SK50 ER 32 400 AD	K10105152540543	50	ER 32	2.0-20	50	48	400	M16 x 2P	UM/ER32	E32
SK50 ER 40 200 AD	K10105153239543	50	ER 40	3.0-26	63	60	200	M16 x 2P	UM/ER40	E40
SK50 ER 40 250 AD	K10105153182543	50	ER 40	3.0-26	63	60	250	M16 x 2P	UM/ER40	E40
SK50 ER 40 300 AD	K10105153183543	50	ER 40	3.0-26	63	60	300	M16 x 2P	UM/ER40	E40
SK50 ER 40 350 AD	K10105153184543	50	ER 40	3.0-26	63	60	350	M16 x 2P	UM/ER40	E40
SK50 ER 40 400 AD	K10105153540543	50	ER 40	3.0-26	63	60	400	M16 x 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



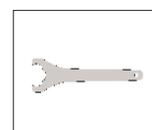
ER NUT



ER STOPPER SCREW



SEALING DISC



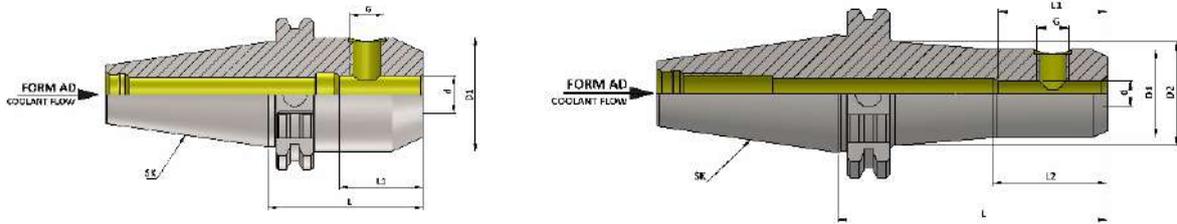
SPANNER E

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) WE (AD)

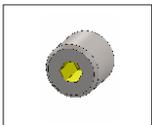


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD) (Balanced to 2.5 G 25000 RPM)										
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.
SK40 WE06 050 AD/2.5G 25000 SL	K10104111111110	40	6	25	-	M6	50	34	-	1
SK40 WE06 100 AD/2.5G 25000 SL	K10104111148110	40	6	25	36	M6	100	34	40	1
SK40 WE06 130 AD/2.5G 25000 SL	K10104669165110	40	6	25	36	M6	130	34	50	1
SK40 WE06 160 AD/2.5G 25000 SL	K10104111175110	40	6	25	36	M6	160	34	80	1
SK40 WE08 050 AD/2.5G 25000 SL	K10104112111110	40	8	28	-	M8	50	34	-	1
SK40 WE08 100 AD/2.5G 25000 SL	K10104112148110	40	8	28	38	M8	100	34	40	1
SK40 WE08 130 AD/2.5G 25000 SL	K10104670165110	40	8	28	40	M8	130	34	50	1
SK40 WE08 160 AD/2.5G 25000 SL	K10104112175110	40	8	28	40	M8	160	34	80	1
SK40 WE10 050 AD/2.5G 25000 SL	K10104113111110	40	10	35	-	M10	50	40	-	1
SK40 WE10 100 AD/2.5G 25000 SL	K10104113148110	40	10	35	40	M10	100	40	40	1
SK40 WE10 130 AD/2.5G 25000 SL	K10104674165110	40	10	35	40	M10	130	40	50	1
SK40 WE10 160 AD/2.5G 25000 SL	K10104113175110	40	10	35	40	M10	160	40	80	1
SK40 WE12 050 AD/2.5G 255000 SL	K10104114111110	40	12	42	-	M12	50	46	-	1
SK40 WE12 100 AD/2.5G 25000 SL	K10104114148110	40	12	42	-	M12	100	46	-	1
SK40 WE12 130 AD/2.5G 25000 SL	K10104672165110	40	12	42	-	M12	130	46	-	1
SK40 WE12 160 AD/2.5G 25000 SL	K10104114175110	40	12	42	-	M12	160	46	-	1
SK40 WE14 050 AD/2.5G 25000 SL	K10104258111110	40	14	44	-	M12	50	46	-	1
SK40 WE14 100 AD/2.5G 25000 SL	K10104258148110	40	14	44	-	M12	100	46	-	1
SK40 WE14 130 AD/2.5G 25000 SL	K10104675165110	40	14	44	-	M12	130	46	-	1
SK40 WE14 160 AD/2.5G 25000 SL	K10104258175110	40	14	44	-	M12	160	46	-	1
SK40 WE16 063 AD/2.5G 25000 SL	K10104115119110	40	16	48	-	M14	63	48	-	1
SK40 WE16 100 AD/2.5G 25000 SL	K10104115148110	40	16	48	-	M14	100	48	-	1
SK40 WE16 130 AD/2.5G 25000 SL	K10104632165110	40	16	48	-	M14	130	48	-	1
SK40 WE16 160 AD/2.5G 25000 SL	K10104115175110	40	16	48	-	M14	160	48	-	1

Accessories:



LOCKING SCREW WN

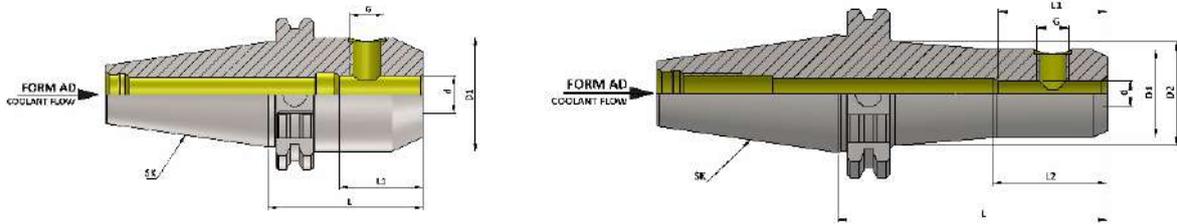
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) WE (AD)

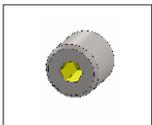


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD)							(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
Sk40 WE18 063 AD/2.5G 25000 SL	K10104259119110	40	18	50	-	M14	63	48	-	1	
SK40 WE18 100 AD/2.5G 25000 SL	K10104259148110	40	18	50	-	M14	100	48	-	1	
SK40 WE18 130 AD/2.5G 25000 SL	K10104676165110	40	18	50	-	M14	130	48	-	1	
SK40 WE18 160 AD/2.5G 25000 SL	K10104259175110	40	18	50	-	M14	160	48	-	1	
SK40 WE20 063 AD/2.5G 25000 SL	K10104116119110	40	20	52	-	M16	63	52	-	1	
SK40 WE20 100 AD/2.5G 25000 SL	K10104116148110	40	20	52	-	M16	100	52	-	1	
SK40 WE20 130 AD/2.5G 25000 SL	K10104633165110	40	20	52	-	M16	130	52	-	1	
SK40 WE20 160 AD/2.5G 25000 SL	K10104116175110	40	20	52	-	M16	160	52	-	1	
SK40 WE25 100 AD/2.5G 25000 SL	K10104117148110	40	25	65	-	M18X2	100	56	-	2	
SK40 WE25 130 AD/2.5G 25000 SL	K10104673165110	40	25	65	-	M18X2	130	56	-	2	
SK40 WE25 160 AD/2.5G 25000 SL	K10104117175110	40	25	65	-	M18X2	160	56	-	2	
SK40 WE32 100 AD/2.5G 25000 SL	K10104118148110	40	32	72	-	M20X2	100	60	-	2	
SK40 WE32 130 AD/2.5G 25000 SL	K10104677165110	40	32	72	-	M20X2	130	60	-	2	
SK40 WE32 160 AD/2.5G 25000 SL	K10104118175110	40	32	72	-	M20X2	160	60	-	2	
SK40 WE40 115 AD/2.5G 25000 SL	K10104119159110	40	40	80	-	M20X2	115	70	-	2	
SK40 WE40 130 AD/2.5G 25000 SL	K10104678165110	40	40	80	-	M20X2	130	70	-	2	
SK40 WE40 160 AD/2.5G 25000 SL	K10104119175110	40	40	80	-	M20X2	160	70	-	2	

Accessories:



LOCKING SCREW WN

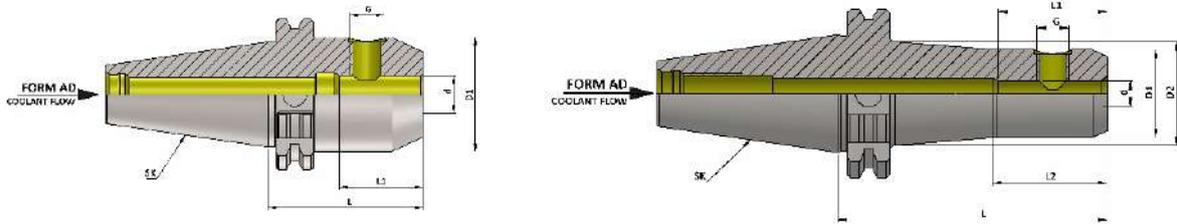
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) WE (AD)

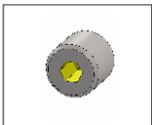


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
SK50 WE06 063 AD/2.5G 25000 SL	K10105111119110	50	6	25	-	M6	63	34	-	1	
SK50 WE06 100 AD/2.5G 25000 SL	K10105111148110	50	6	25	36	M6	100	34	45	1	
SK50 WE06 130 AD/2.5G 25000 SL	K10105669165110	50	6	25	36	M6	130	34	50	1	
SK50 WE06 160 AD/2.5G 25000 SL	K10105111175110	50	6	25	36	M6	160	34	80	1	
SK50 WE08 063 AD/2.5G 25000 SL	K10105112119110	50	8	28	-	M8	63	34	-	1	
SK50 WE08 100 AD/2.5G 25000 SL	K10105112148110	50	8	28	38	M8	100	34	45	1	
SK50 WE08 130 AD/2.5G 25000 SL	K10105670165110	50	8	28	38	M8	130	34	50	1	
SK50 WE08 160 AD/2.5G 25000 SL	K10105112175110	50	8	28	38	M8	160	34	80	1	
SK50 WE10 063 AD/2.5G 25000 SL	K10105113119110	50	10	35	-	M10	63	40	-	1	
SK50 WE10 100 AD/2.5G 25000 SL	K10105113148110	50	10	35	42	M10	100	40	45	1	
SK50 WE10 130 AD/2.5G 25000 SL	K10105674165110	50	10	35	42	M10	130	40	50	1	
SK50 WE10 160 AD/2.5G 25000 SL	K10105113175110	50	10	35	42	M10	160	40	80	1	
SK50 WE12 063 AD/2.5G 25000 SL	K10105114119110	50	12	42	-	M12	63	46	-	1	
SK50 WE12 100 AD/2.5G 25000 SL	K10105114148110	50	12	42	48	M12	100	46	45	1	
SK50 WE12 130 AD/2.5G 25000 SL	K10105672165110	50	12	42	48	M12	130	46	50	1	
SK50 WE12 160 AD/2.5G 25000 SL	K10105114175110	50	12	42	48	M12	160	46	80	1	
SK50 WE14 063 AD/2.5G 25000 SL	K10105258119110	50	14	44	-	M12	63	46	-	1	
SK50 WE14 100 AD/2.5G 25000 SL	K10105258148110	50	14	44	50	M12	100	46	45	1	
SK50 WE14 130 AD/2.5G 25000 SL	K10105675165110	50	14	44	50	M12	130	46	50	1	
SK50 WE14 160 AD/2.5G 25000 SL	K10105258175110	50	14	44	50	M12	160	46	80	1	
SK50 WE16 063 AD/2.5G 25000 SL	K10105115119110	50	16	48	-	M14	63	48	-	1	
SK50 WE16 100 AD/2.5G 25000 SL	K10105115148110	50	16	48	54	M14	100	48	45	1	
SK50 WE16 130 AD/2.5G 25000 SL	K10105632165110	50	16	48	54	M14	130	48	50	1	
SK50 WE16 160 AD/2.5G 25000 SL	K10105115175110	50	16	48	54	M14	160	48	80	1	

Accessories:



LOCKING SCREW WN

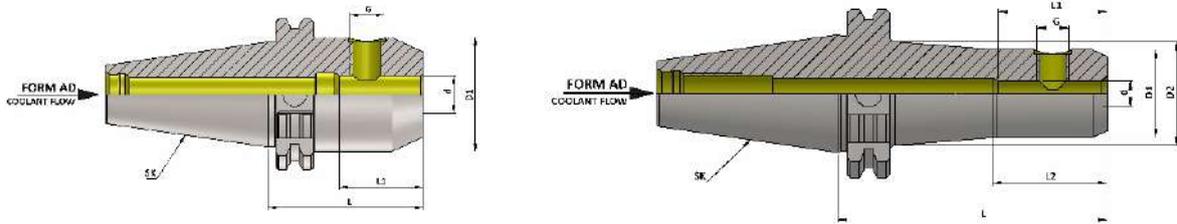
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) WE (AD)

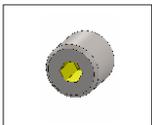


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
SK50 WE18 063 AD/2.5G 25000 SL	K10105259119110	50	18	50	-	M14	63	48	-	1	
SK50 WE18 100 AD/2.5G 25000 SL	K10105259148110	50	18	50	56	M14	100	48	45	1	
SK50 WE18 130 AD/2.5G 25000 SL	K10105676165110	50	18	50	56	M14	130	48	50	1	
SK50 WE18 160 AD/2.5G 25000 SL	K10105259175110	50	18	50	56	M14	160	48	80	1	
SK50 WE20 063 AD/2.5G 25000 SL	K10105116119110	50	20	52	-	M16	63	52	-	1	
SK50 WE20 100 AD/2.5G 25000 SL	K10105116148110	50	20	52	59	M16	100	52	45	1	
SK50 WE20 130 AD/2.5G 25000 SL	K10105633165110	50	20	52	59	M16	130	52	50	1	
SK50 WE20 160 AD/2.5G 25000 SL	K10105116175110	50	20	52	59	M16	160	52	80	1	
SK50 WE25 080 AD/2.5G 25000 SL	K10105117131110	50	25	65	-	M18X2	80	56	-	2	
SK50 WE25 100 AD/2.5G 25000 SL	K10105117148110	50	25	65	-	M18X2	100	56	-	2	
SK50 WE25 130 AD/2.5G 25000 SL	K10105673165110	50	25	65	-	M18X2	130	56	-	2	
SK50 WE25 160 AD/2.5G 25000 SL	K10105117175110	50	25	65	-	M18X2	160	56	-	2	
SK50 WE32 100 AD/2.5G 25000 SL	K10105118148110	50	32	72	-	M20X2	100	60	-	2	
SK50 WE32 130 AD/2.5G 25000 SL	K10105677165110	50	32	72	-	M20X2	130	60	-	2	
SK50 WE32 160 AD/2.5G 25000 SL	K10105118175110	50	32	72	-	M20X2	160	60	-	2	
SK50 WE40 120 AD/2.5G 25000 SL	K10105119162110	50	40	80	-	M20X2	120	70	-	2	
SK50 WE40 130 AD/2.5G 25000 SL	K10105678165110	50	40	80	-	M20X2	130	70	-	2	
SK50 WE40 160 AD/2.5G 25000 SL	K10105119175110	50	40	80	-	M20X2	160	70	-	2	
SK50 WE50 120 AD/2.5G 25000 SL	K10105120162110	50	50	100	-	M24X2	120	80	-	2	

Accessories:



LOCKING SCREW WN

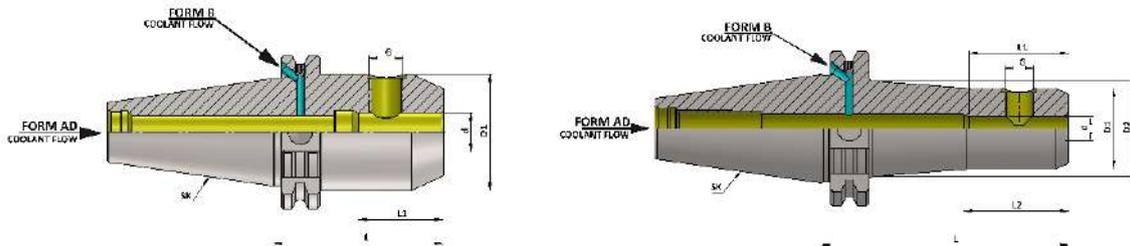
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (WE) (AD+B) (AD/AF)

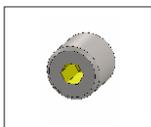


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD+B) (AD/AF)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
SK40 WE06 050 AD+B/2.5G 25000 SL	K10104669277280	40	6	25	-	M6	50	34	-	1	
SK40 WE06 100 AD+B/2.5G 25000 SL	K10104669148230	40	6	25	36	M6	100	34	40	1	
SK40 WE06 130 AD+B/2.5G 25000 SL	K10104669165280	40	6	25	36	M6	130	34	50	1	
SK40 WE06 160 AD+B/2.5G 25000 SL	K10104669175230	40	6	25	36	M6	160	34	80	1	
SK40 WE08 050 AD+B/2.5G 25000 SL	K10104670277230	40	8	28	-	M8	50	34	-	1	
SK40 WE08 100 AD+B/2.5G 25000 SL	K10104670148230	40	8	28	38	M8	100	34	40	1	
SK40 WE08 130 AD+B/2.5G 25000 SL	K10104670165280	40	8	28	40	M8	130	34	50	1	
SK40 WE08 160 AD+B/2.5G 25000 SL	K10104670175230	40	8	28	40	M8	160	34	80	1	
SK40 WE10 050 AD+B/2.5G 25000 SL	K10104113111112	40	10	35	-	M10	50	40	-	1	
SK40 WE10 100 AD+B/2.5G 25000 SL	K10104674148230	40	10	35	40	M10	100	40	40	1	
SK40 WE10 130 AD+B/2.5G 25000 SL	K10104674165280	40	10	35	40	M10	130	40	50	1	
SK40 WE10 160 AD+B/2.5G 25000 SL	K10104674175230	40	10	35	40	M10	160	40	80	1	
SK40 WE12 050 AD+B/2.5G 25000 SL	K10104114111112	40	12	42	-	M12	50	46	-	1	
SK40 WE12 100 AD+B/2.5G 25000 SL	K10104672148230	40	12	42	-	M12	100	46	-	1	
SK40 WE12 130 AD+B/2.5G 25000 SL	K10104672165280	40	12	42	-	M12	130	46	-	1	
SK40 WE12 160 AD+B/2.5G 25000 SL	K10104672175280	40	12	42	-	M12	160	46	-	1	
SK40 WE14 050 AD+B/2.5G 25000 SL	K10104258111112	40	14	44	-	M12	50	46	-	1	
SK40 WE14 100 AD+B/2.5G 25000 SL	K10104258148112	40	14	44	-	M12	100	46	-	1	
SK40 WE14 130 AD+B/2.5G 25000 SL	K10104675165280	40	14	44	-	M12	130	46	-	1	
SK40 WE14 160 AD+B/2.5G 25000 SL	K10104258175112	40	14	44	-	M12	160	46	-	1	
SK40 WE16 063 AD+B/2.5G 25000 SL	K10104632563230	40	16	48	-	M14	63	48	-	1	
SK40 WE16 100 AD+B/2.5G 25000 SL	K10104632148230	40	16	48	-	M14	100	48	-	1	
SK40 WE16 130 AD+B/2.5G 25000 SL	K10104632165280	40	16	48	-	M14	130	48	-	1	
SK40 WE16 160 AD+B/2.5G 25000 SL	K10104632175280	40	16	48	-	M14	160	48	-	1	

Accessories:



LOCKING SCREW WN

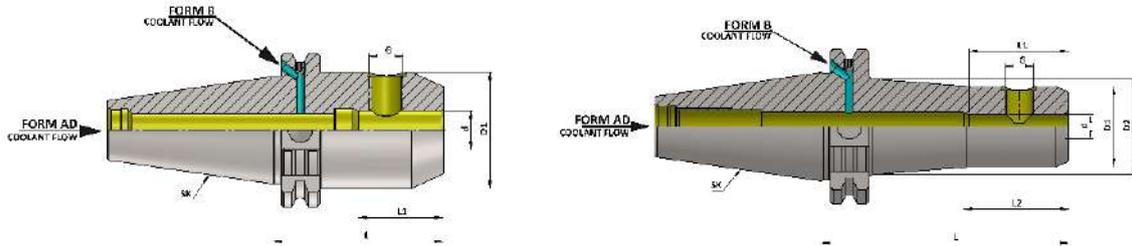
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (WE) (AD+B) (AD/AF)

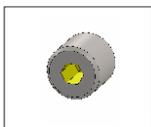


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD+B) (AD/AF)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
Sk40 WE18 063 AD+B/2.5G 25000 SL	K10104259119112	40	18	50	-	M14	63	48	-	1	
SK40 WE18 100 AD+B/2.5G 25000 SL	K10104259148112	40	18	50	-	M14	100	48	-	1	
SK40 WE18 130 AD+B/2.5G 25000 SL	K10104676165280	40	18	50	-	M14	130	48	-	1	
SK40 WE18 160 AD+B/2.5G 25000 SL	K10104259175112	40	18	50	-	M14	160	48	-	1	
SK40 WE20 063 AD+B/2.5G 25000 SL	K10104633563230	40	20	52	-	M16	63	52	-	1	
SK40 WE20 100 AD+B/2.5G 25000 SL	K10104633148230	40	20	52	-	M16	100	52	-	1	
SK40 WE20 130 AD+B/2.5G 25000 SL	K10104633165280	40	20	52	-	M16	130	52	-	1	
SK40 WE20 160 AD+B/2.5G 25000 SL	K10104633175230	40	20	52	-	M16	160	52	-	1	
SK40 WE25 100 AD+B/2.5G 25000 SL	K10104673148230	40	25	65	-	M18x2	100	56	-	2	
SK40 WE25 130 AD+B/2.5G 25000 SL	K10104673165280	40	25	65	-	M18x2	130	56	-	2	
SK40 WE25 160 AD+B/2.5G 25000 SL	K10104673175280	40	25	65	-	M18x2	160	56	-	2	
SK40 WE32 100 AD+B/2.5G 25000 SL	K10104677148230	40	32	72	-	M20x2	100	60	-	2	
SK40 WE32 130 AD+B/2.5G 25000 SL	K10104677165280	40	32	72	-	M20x2	130	60	-	2	
SK40 WE32 160 AD+B/2.5G 25000 SL	K10104677175280	40	32	72	-	M20x2	160	60	-	2	
SK40 WE40 115 AD+B/2.5G 25000 SL	K10104119159112	40	40	80	-	M20x2	115	70	-	2	
SK40 WE40 130 AD+B/2.5G 25000 SL	K10104678165280	40	40	80	-	M20x2	130	70	-	2	
SK40 WE40 160 AD+B/2.5G 25000 SL	K10104119175112	40	40	80	-	M20x2	160	70	-	2	

Accessories:



LOCKING SCREW WN

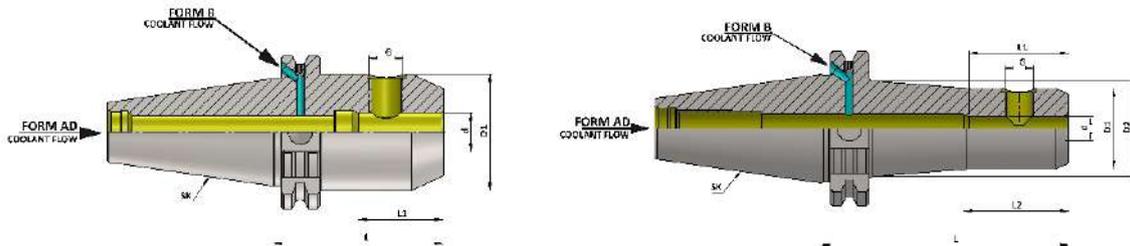
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (WE) (AD+B) (AD/AF)

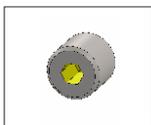


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD+B) (AD/AF)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
SK50 WE06 063 AD+B/2.5G 25000 SL	K10105669563230	50	6	25	-	M6	63	34	-	1	
SK50 WE06 100 AD+B/2.5G 25000 SL	K10105669148230	50	6	25	36	M6	100	34	45	1	
SK50 WE06 130 AD+B/2.5G 25000 SL	K10105669165280	50	6	25	36	M6	130	34	50	1	
SK50 WE06 160 AD+B/2.5G 25000 SL	K10105669175230	50	6	25	36	M6	160	34	80	1	
SK50 WE08 063 AD+B/2.5G 25000 SL	K10105670563230	50	8	28	-	M8	63	34	-	1	
SK50 WE08 100 AD+B/2.5G 25000 SL	K10105670148230	50	8	28	38	M8	100	34	45	1	
SK50 WE08 130 AD+B/2.5G 25000 SL	K10105670165280	50	8	28	38	M8	130	34	50	1	
SK50 WE08 160 AD+B/2.5G 25000 SL	K10105670175230	50	8	28	38	M8	160	34	80	1	
SK50 WE10 063 AD+B/2.5G 25000 SL	K10105674563230	50	10	35	-	M10	63	40	-	1	
SK50 WE10 100 AD+B/2.5G 25000 SL	K10105674148230	50	10	35	42	M10	100	40	45	1	
SK50 WE10 130 AD+B/2.5G 25000 SL	K10105674165280	50	10	35	42	M10	130	40	50	1	
SK50 WE10 160 AD+B/2.5G 25000 SL	K10105674175280	50	10	35	42	M10	160	40	80	1	
SK50 WE12 063 AD+B/2.5G 25000 SL	K10105672563230	50	12	42	-	M12	63	46	-	1	
SK50 WE12 100 AD+B/2.5G 25000 SL	K10105672148230	50	12	42	48	M12	100	46	45	1	
SK50 WE12 130 AD+B/2.5G 25000 SL	K10105672165280	50	12	42	48	M12	130	46	50	1	
SK50 WE12 160 AD+B/2.5G 25000 SL	K10105672175280	50	12	42	48	M12	160	46	80	1	
SK50 WE14 063 AD+B/2.5G 25000 SL	K10105675563280	50	14	44	-	M12	63	46	-	1	
SK50 WE14 100 AD+B/2.5G 25000 SL	K10105675148280	50	14	44	50	M12	100	46	45	1	
SK50 WE14 130 AD+B/2.5G 25000 SL	K10105675165280	50	14	44	50	M12	130	46	50	1	
SK50 WE14 160 AD+B/2.5G 25000 SL	K10105675175280	50	14	44	50	M12	160	46	80	1	
SK50 WE16 063 AD+B/2.5G 25000 SL	K10105632563230	50	16	48	-	M14	63	48	-	1	
SK50 WE16 100 AD+B/2.5G 25000 SL	K10105632148280	50	16	48	54	M14	100	48	45	1	
SK50 WE16 130 AD+B/2.5G 25000 SL	K10105632165280	50	16	48	54	M14	130	48	50	1	
SK50 WE16 160 AD+B/2.5G 25000 SL	K10105632175280	50	16	48	54	M14	160	48	80	1	

Accessories:



LOCKING SCREW WN

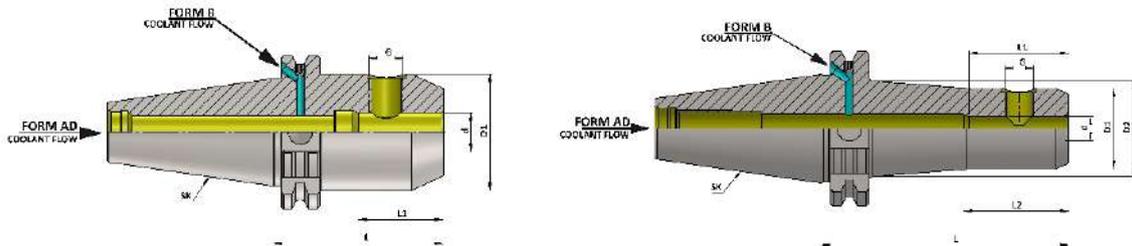
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (WE) (AD+B) (AD/AF)

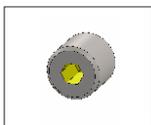


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) WE (AD+B) (AD/AF)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	SK	d	D1	D2	G	L	L1	L2	Screw Qty.	
SK50 WE18 063 AD+B/2.5G 25000 SL	K10105676563280	50	18	50	-	M14	63	48	-	1	
SK50 WE18 100 AD+B/2.5G 25000 SL	K10105676148280	50	18	50	56	M14	100	48	45	1	
SK50 WE18 130 AD+B/2.5G 25000 SL	K10105676165280	50	18	50	56	M14	130	48	50	1	
SK50 WE18 160 AD+B/2.5G 25000 SL	K10105676175280	50	18	50	56	M14	160	48	80	1	
SK50 WE20 063 AD+B/2.5G 25000 SL	K10105633563230	50	20	52	-	M16	63	52	-	1	
SK50 WE20 100 AD+B/2.5G 25000 SL	K10105633148230	50	20	52	59	M16	100	52	45	1	
SK50 WE20 130 AD+B/2.5G 25000 SL	K10105633165280	50	20	52	59	M16	130	52	50	1	
SK50 WE20 160 AD+B/2.5G 25000 SL	K10105633175230	50	20	52	59	M16	160	52	80	1	
SK50 WE25 080 AD+B/2.5G 25000 SL	K10105673131230	50	25	65	-	M18X2	80	56	-	2	
SK50 WE25 100 AD+B/2.5G 25000 SL	K10105673148280	50	25	65	-	M18X2	100	56	-	2	
SK50 WE25 130 AD+B/2.5G 25000 SL	K10105673165280	50	25	65	-	M18X2	130	56	-	2	
SK50 WE25 160 AD+B/2.5G 25000 SL	K10105673175230	50	25	65	-	M18X2	160	56	-	2	
SK50 WE32 100 AD+B/2.5G 25000 SL	K10105677148280	50	32	72	-	M20X2	100	60	-	2	
SK50 WE32 130 AD+B/2.5G 25000 SL	K10105677165280	50	32	72	-	M20X2	130	60	-	2	
SK50 WE32 160 AD+B/2.5G 25000 SL	K10105677175280	50	32	72	-	M20X2	160	60	-	2	
SK50 WE40 120 AD+B/2.5G 25000 SL	K10105678162280	50	40	80	-	M20X2	120	70	-	2	
SK50 WE40 130 AD+B/2.5G 25000 SL	K10105678165280	50	40	80	-	M20X2	130	70	-	2	
SK50 WE40 160 AD+B/2.5G 25000 SL	K10105678175280	50	40	80	-	M20X2	160	70	-	2	
SK50 WE50 120 AD+B/2.5G 25000 SL	K10105679162280	50	50	100	-	M24X2	120	80	-	2	

Accessories:



LOCKING SCREW WN

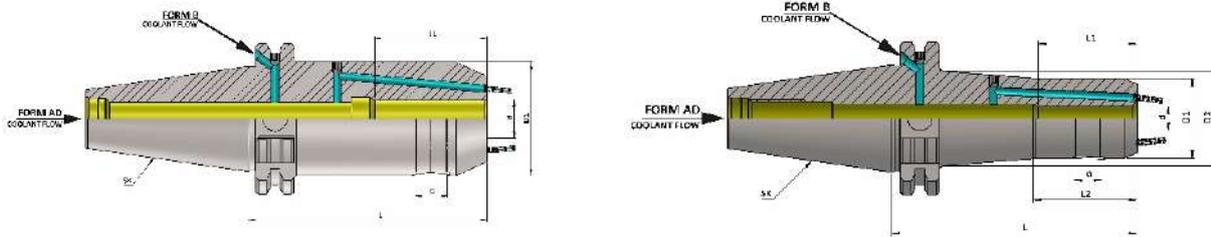
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (Face Coolant Channel) (WE : FCC) (AD+B) (AD/AF)

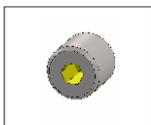


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (WE : FCC) (AD+B) (AD/AF)											(Balanced to 2.5 G 25000 RPM)	
ITEM NAME	ITEM CODE	SK	d	D1	D2	G	L	L1	L2	SCREW QTY.		
SK40 WE06 050 FCC AD+B/2.5G 25000 SL	K10104111111263	40	6	25	-	M6	50	34	-	1		
SK40 WE06 100 FCC AD+B/2.5G 25000 SL	K101041111148263	40	6	25	36	M6	100	34	40	1		
SK40 WE06 130 FCC AD+B/2.5G 25000 SL	K10104669165255	40	6	25	36	M6	130	34	50	1		
SK40 WE06 160 FCC AD+B/2.5G 25000 SL	K10104111175263	40	6	25	36	M6	160	34	80	1		
SK40 WE08 050 FCC AD+B/2.5G 25000 SL	K10104112111263	40	8	28	-	M8	50	34	-	1		
SK40 WE08 100 FCC AD+B/2.5G 25000 SL	K10104112148263	40	8	28	38	M8	100	34	40	1		
SK40 WE08 130 FCC AD+B/2.5G 25000 SL	K10104670165255	40	8	28	40	M8	130	34	50	1		
SK40 WE08 160 FCC AD+B/2.5G 25000 SL	K10104112175263	40	8	28	40	M8	160	34	80	1		
SK40 WE10 050 FCC AD+B/2.5G 25000 SL	K10104113111263	40	10	35	-	M10	50	40	-	1		
SK40 WE10 100 FCC AD+B/2.5G 25000 SL	K10104113148263	40	10	35	40	M10	100	40	40	1		
SK40 WE10 130 FCC AD+B/2.5G 25000 SL	K10104674165255	40	10	35	40	M10	130	40	50	1		
SK40 WE10 160 FCC AD+B/2.5G 25000 SL	K10104113175263	40	10	35	40	M10	160	40	80	1		
SK40 WE12 050 FCC AD+B/2.5G 25000 SL	K10104114111263	40	12	42	-	M12	50	46	-	1		
SK40 WE12 100 FCC AD+B/2.5G 25000 SL	K10104114148263	40	12	42	-	M12	100	46	-	1		
SK40 WE12 130 FCC AD+B/2.5G 25000 SL	K10104672165255	40	12	42	-	M12	130	46	-	1		
SK40 WE12 160 FCC AD+B/2.5G 25000 SL	K10104114175263	40	12	42	-	M12	160	46	-	1		
SK40 WE14 050 FCC AD+B/2.5G 25000 SL	K10104258111263	40	14	44	-	M12	50	46	-	1		
SK40 WE14 100 FCC AD+B/2.5G 25000 SL	K10104258148263	40	14	44	-	M12	100	46	-	1		
SK40 WE14 130 FCC AD+B/2.5G 25000 SL	K10104675165255	40	14	44	-	M12	130	46	-	1		
SK40 WE14 160 FCC AD+B/2.5G 25000 SL	K10104258175263	40	14	44	-	M12	160	46	-	1		
SK40 WE16 063 FCC AD+B/2.5G 25000 SL	K10104115563263	40	16	48	-	M14	63	48	-	1		
SK40 WE16 100 FCC AD+B/2.5G 25000 SL	K10104115148263	40	16	48	-	M14	100	48	-	1		
SK40 WE16 130 FCC AD+B/2.5G 25000 SL	K10104632165255	40	16	48	-	M14	130	48	-	1		
SK40 WE16 160 FCC AD+B/2.5G 25000 SL	K10104115175263	40	16	48	-	M14	160	48	-	1		

Accessories:



LOCKING SCREW WN

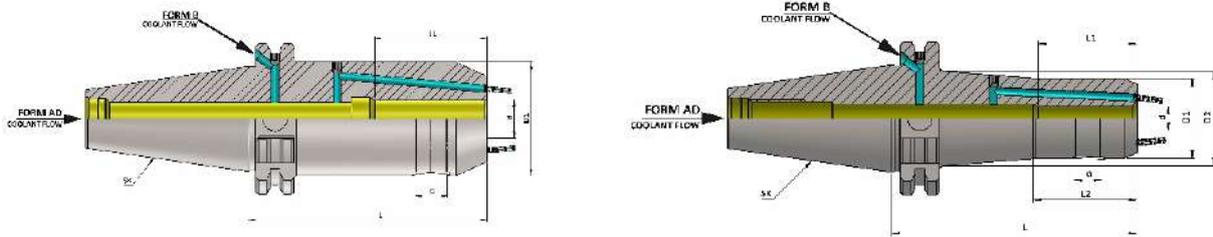
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (Face Coolant Channel) (WE : FCC) (AD+B) (AD/AF)

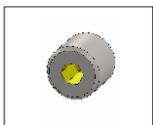


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (WE : FCC) (AD+B) (AD/AF)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	SK	d	D1	D2	G	L	L1	L2	SCREW QTY.	
Sk40 WE18 063 FCC AD+B/2.5G 25000 SL	K10104259563263	40	18	50	-	M14	63	48	-	1	
SK40 WE18 100 FCC AD+B/2.5G 25000 SL	K10104259148263	40	18	50	-	M14	100	48	-	1	
SK40 WE18 130 FCC AD+B/2.5G 25000 SL	K10104676165255	40	18	50	-	M14	130	48	-	1	
SK40 WE18 160 FCC AD+B/2.5G 25000 SL	K10104259175263	40	18	50	-	M14	160	48	-	1	
SK40 WE20 063 FCC AD+B/2.5G 25000 SL	K10104116563263	40	20	52	-	M16	63	52	-	1	
SK40 WE20 100 FCC AD+B/2.5G 25000 SL	K10104116148263	40	20	52	-	M16	100	52	-	1	
SK40 WE20 130 FCC AD+B/2.5G 25000 SL	K10104633165255	40	20	52	-	M16	130	52	-	1	
SK40 WE20 160 FCC AD+B/2.5G 25000 SL	K10104116175263	40	20	52	-	M16	160	52	-	1	
SK40 WE25 100 FCC AD+B/2.5G 25000 SL	K10104117148263	40	25	65	-	M18x2	100	56	-	2	
SK40 WE25 130 FCC AD+B/2.5G 25000 SL	K10104673165255	40	25	65	-	M18x2	130	56	-	2	
SK40 WE25 160 FCC AD+B/2.5G 25000 SL	K10104117175263	40	25	65	-	M18x2	160	56	-	2	
SK40 WE32 100 FCC AD+B/2.5G 25000 SL	K10104118148263	40	32	72	-	M20x2	100	60	-	2	
SK40 WE32 130 FCC AD+B/2.5G 25000 SL	K10104677165255	40	32	72	-	M20x2	130	60	-	2	
SK40 WE32 160 FCC AD+B/2.5G 25000 SL	K10104118175263	40	32	72	-	M20x2	160	60	-	2	
SK40 WE40 115 FCC AD+B/2.5G 25000 SL	K10104119159263	40	40	80	-	M20x2	115	70	-	2	
SK40 WE40 130 FCC AD+B/2.5G 25000 SL	K10104678165255	40	40	80	-	M20x2	130	70	-	2	
SK40 WE40 160 FCC AD+B/2.5G 25000 SL	K10104119175263	40	40	80	-	M20x2	160	70	-	2	

Accessories:



LOCKING SCREW WN

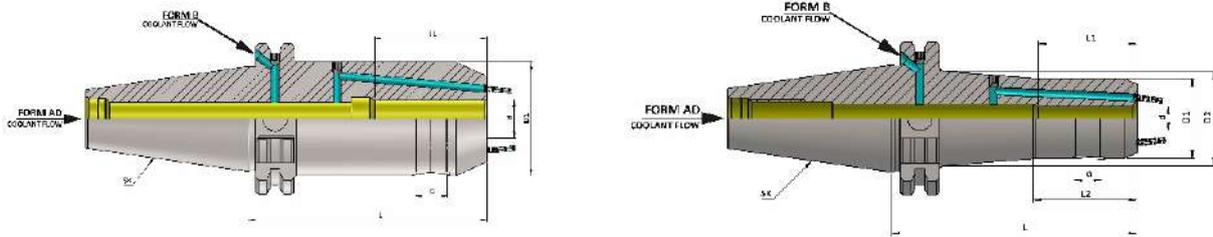
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (Face Coolant Channel) (WE : FCC) (AD+B) (AD/AF)

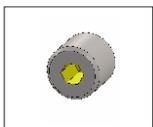


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (WE : FCC) (AD+B) (AD/AF)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	SK	d	D1	D2	G	L	L1	L2	SCREW QTY.	
SK50 WE06 063 FCC AD+B/2.5G 25000 SL	K10105111563263	50	6	25	-	M6	63	34	-	1	
SK50 WE06 100 FCC AD+B/2.5G 25000 SL	K10105111148263	50	6	25	36	M6	100	34	45	1	
SK50 WE06 130 FCC AD+B/2.5G 25000 SL	K10105669165255	50	6	25	36	M6	130	34	50	1	
SK50 WE06 160 FCC AD+B/2.5G 25000 SL	K10105111175263	50	6	25	36	M6	160	34	80	1	
SK50 WE08 063 FCC AD+B/2.5G 25000 SL	K10105112563263	50	8	28	-	M8	63	34	-	1	
SK50 WE08 100 FCC AD+B/2.5G 25000 SL	K10105112148263	50	8	28	38	M8	100	34	45	1	
SK50 WE08 130 FCC AD+B/2.5G 25000 SL	K10105670165255	50	8	28	38	M8	130	34	50	1	
SK50 WE08 160 FCC AD+B/2.5G 25000 SL	K10105112175263	50	8	28	38	M8	160	34	80	1	
SK50 WE10 063 FCC AD+B/2.5G 25000 SL	K10105113563263	50	10	35	-	M10	63	40	-	1	
SK50 WE10 100 FCC AD+B/2.5G 25000 SL	K10105113148263	50	10	35	42	M10	100	40	45	1	
SK50 WE10 130 FCC AD+B/2.5G 25000 SL	K10105674165255	50	10	35	42	M10	130	40	50	1	
SK50 WE10 160 FCC AD+B/2.5G 25000 SL	K10105113175263	50	10	35	42	M10	160	40	80	1	
SK50 WE12 063 FCC AD+B/2.5G 25000 SL	K10105114148263	50	12	42	-	M12	63	46	-	1	
SK50 WE12 100 FCC AD+B/2.5G 25000 SL	K10105114563263	50	12	42	48	M12	100	46	45	1	
SK50 WE12 130 FCC AD+B/2.5G 25000 SL	K10105672165255	50	12	42	48	M12	130	46	50	1	
SK50 WE12 160 FCC AD+B/2.5G 25000 SL	K10105114175263	50	12	42	48	M12	160	46	80	1	
SK50 WE14 063 FCC AD+B/2.5G 25000 SL	K10105258563263	50	14	44	-	M12	63	46	-	1	
SK50 WE14 100 FCC AD+B/2.5G 25000 SL	K10105258148263	50	14	44	50	M12	100	46	45	1	
SK50 WE14 130 FCC AD+B/2.5G 25000 SL	K10105675165255	50	14	44	50	M12	130	46	50	1	
SK50 WE14 160 FCC AD+B/2.5G 25000 SL	K10105258175263	50	14	44	50	M12	160	46	80	1	

Accessories:



LOCKING SCREW WN

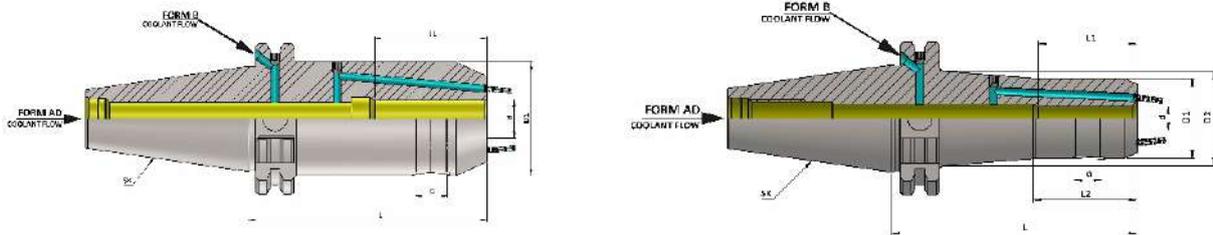
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Weldon Type End Mill Holders (DIN 6359) (Face Coolant Channel) (WE : FCC) (AD+B) (AD/AF)

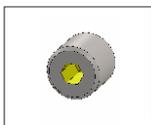


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (WE : FCC) (AD+B) (AD/AF)							(Balanced to 2.5 G 25000 RPM)				
ITEM NAME	ITEM CODE	SK	d	D1	D2	G	L	L1	L2	SCREW QTY.	
SK50 WE16 063 FCC AD+B/2.5G 25000 SL	K10105115563263	50	16	48	-	M14	63	48	-	1	
SK50 WE16 100 FCC AD+B/2.5G 25000 SL	K10105115148263	50	16	48	54	M14	100	48	45	1	
SK50 WE16 130 FCC AD+B/2.5G 25000 SL	K10105632165255	50	16	48	54	M14	130	48	50	1	
SK50 WE16 160 FCC AD+B/2.5G 25000 SL	K10105115175263	50	16	48	54	M14	160	48	80	1	
SK50 WE18 063 FCC AD+B/2.5G 25000 SL	K10105259563263	50	18	50	-	M14	63	48	-	1	
SK50 WE18 100 FCC AD+B/2.5G 25000 SL	K10105259148263	50	18	50	56	M14	100	48	45	1	
SK50 WE18 130 FCC AD+B/2.5G 25000 SL	K10105676165255	50	18	50	56	M14	130	48	50	1	
SK50 WE18 160 FCC AD+B/2.5G 25000 SL	K10105259175263	50	18	50	56	M14	160	48	80	1	
SK50 WE20 063 FCC AD+B/2.5G 25000 SL	K10105116563263	50	20	52	-	M16	63	52	-	1	
SK50 WE20 100 FCC AD+B/2.5G 25000 SL	K10105116148263	50	20	52	59	M16	100	52	45	1	
SK50 WE20 130 FCC AD+B/2.5G 25000 SL	K10105633165255	50	20	52	59	M16	130	52	50	1	
SK50 WE20 160 FCC AD+B/2.5G 25000 SL	K10105116175263	50	20	52	59	M16	160	52	80	1	
SK50 WE25 080 FCC AD+B/2.5G 25000 SL	K10105117131263	50	25	65	-	M18X2	80	56	-	2	
SK50 WE25 100 FCC AD+B/2.5G 25000 SL	K10105117148263	50	25	65	-	M18X2	100	56	-	2	
SK50 WE25 130 FCC AD+B/2.5G 25000 SL	K10105673165255	50	25	65	-	M18X2	130	56	-	2	
SK50 WE25 160 FCC AD+B/2.5G 25000 SL	K10105117175263	50	25	65	-	M18X2	160	56	-	2	
SK50 WE32 100 FCC AD+B/2.5G 25000 SL	K10105118148263	50	32	72	-	M20X2	100	60	-	2	
SK50 WE32 130 FCC AD+B/2.5G 25000 SL	K10105677165255	50	32	72	-	M20X2	130	60	-	2	
SK50 WE32 160 FCC AD+B/2.5G 25000 SL	K10105118175263	50	32	72	-	M20X2	160	60	-	2	
SK50 WE40 120 FCC AD+B/2.5G 25000 SL	K10105119162263	50	40	80	-	M20X2	120	70	-	2	
SK50 WE40 130 FCC AD+B/2.5G 25000 SL	K10105678165255	50	40	80	-	M20X2	130	70	-	2	
SK50 WE40 160 FCC AD+B/2.5G 25000 SL	K10105119175263	50	40	80	-	M20X2	160	70	-	2	
SK50 WE50 120 FCC AD+B/2.5G 25000 SL	K10105120162263	50	50	100	-	M24X2	120	80	-	2	

Accessories:



LOCKING SCREW WN

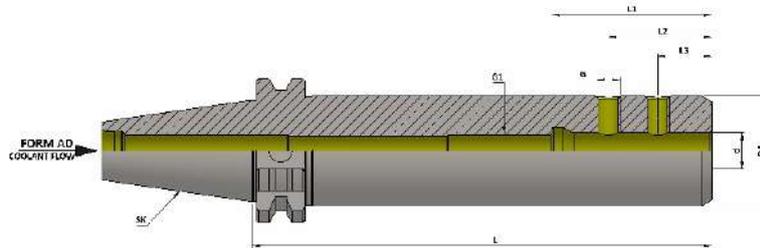
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Side Lock Adaptor Long Series (SLA) (AD)

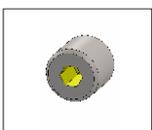


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



SK (DIN 69871) SLA (AD)												
ITEM NAME	ITEM CODE	SK	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
SK40 SLA16 200 AD	K10104105239543	40	16	48	M14	M12	200	57	-	23.50	1	
SK40 SLA16 250 AD	K10104105182543	40	16	48	M14	M12	250	57	-	23.50	1	
SK40 SLA16 300 AD	K10104105183543	40	16	48	M14	M12	300	57	-	23.50	1	
SK40 SLA20 200 AD	K10104106239543	40	20	50	M10	M16	200	70	45	25	2	
SK40 SLA20 250 AD	K10104106182543	40	20	50	M10	M16	250	70	45	25	2	
SK40 SLA20 300 AD	K10104106183543	40	20	50	M10	M16	300	70	45	25	2	
SK40 SLA25 200 AD	K10104107239543	40	25	50	M10	M16	200	70	45	25	2	
SK40 SLA25 250 AD	K10104107182543	40	25	50	M10	M16	250	70	45	25	2	
SK40 SLA25 300 AD	K10104107183543	40	25	50	M10	M16	300	70	45	25	2	
SK40 SLA32 200 AD	K10104108239543	40	32	60	M10	M16	200	70	50	30	2	
SK40 SLA32 250 AD	K10104108182543	40	32	60	M10	M16	250	70	50	30	2	
SK40 SLA32 300 AD	K10104108183543	40	32	60	M10	M16	300	70	50	30	2	
SK40 SLA40 200 AD	K10104109239543	40	40	60	M10	M16	200	70	50	30	2	
SK40 SLA40 250 AD	K10104109182543	40	40	60	M10	M16	250	70	50	30	2	
SK40 SLA40 300 AD	K10104109183543	40	40	60	M10	M16	300	70	50	30	2	

Accessories:



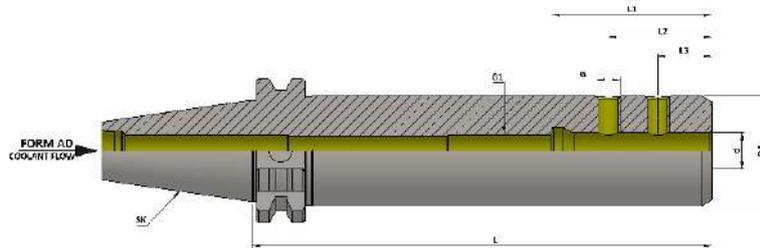
LOCKING SCREW SLA

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Side Lock Adaptor Long Series (SLA) (AD)

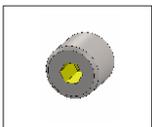


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



SK (DIN 69871) SLA (AD)												
ITEM NAME	ITEM CODE	SK	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.	
SK50 SLA16 200 AD	K10105105239543	50	16	48	M14	M12	200	57	-	23.50	1	
SK50 SLA16 250 AD	K10105105182543	50	16	48	M14	M12	250	57	-	23.50	1	
SK50 SLA16 300 AD	K10105105183543	50	16	48	M14	M12	300	57	-	23.50	1	
SK50 SLA16 350 AD	K10105105184543	50	16	48	M14	M12	350	57	-	23.50	1	
SK50 SLA16 400 AD	K10105105540543	50	16	48	M14	M12	400	57	-	23.50	1	
SK50 SLA20 200 AD	K10105106239543	50	20	50	M10	M16	200	70	45	25	2	
SK50 SLA20 250 AD	K10105106182543	50	20	50	M10	M16	250	70	45	25	2	
SK50 SLA20 300 AD	K10105106183543	50	20	50	M10	M16	300	70	45	25	2	
SK50 SLA20 350 AD	K10105106184543	50	20	50	M10	M16	350	70	45	25	2	
SK50 SLA20 400 AD	K10105106540543	50	20	50	M10	M16	400	70	45	25	2	
SK50 SLA25 200 AD	K10105107239543	50	25	50	M10	M16	200	70	45	25	2	
SK50 SLA25 250 AD	K10105107182543	50	25	50	M10	M16	250	70	45	25	2	
SK50 SLA25 300 AD	K10105107183543	50	25	50	M10	M16	300	70	45	25	2	
SK50 SLA25 350 AD	K10105107184543	50	25	50	M10	M16	350	70	45	25	2	
SK50 SLA25 400 AD	K10105107540543	50	25	50	M10	M16	400	70	45	25	2	
SK50 SLA32 200 AD	K10105108239543	50	32	60	M10	M16	200	70	50	30	2	
SK50 SLA32 250 AD	K10105108182543	50	32	60	M10	M16	250	70	50	30	2	
SK50 SLA32 300 AD	K10105108183543	50	32	60	M10	M16	300	70	50	30	2	
SK50 SLA32 350 AD	K10105108184543	50	32	60	M10	M16	350	70	50	30	2	
SK50 SLA32 400 AD	K10105108540543	50	32	60	M10	M16	400	70	50	30	2	
SK50 SLA40 200 AD	K10105109239543	50	40	60	M10	M16	200	70	50	30	2	
SK50 SLA40 250 AD	K10105109182543	50	40	60	M10	M16	250	70	50	30	2	
SK50 SLA40 300 AD	K10105109183543	50	40	60	M10	M16	300	70	50	30	2	
SK50 SLA40 350 AD	K10105109184543	50	40	60	M10	M16	350	70	50	30	2	
SK50 SLA40 400 AD	K10105109540543	50	40	60	M10	M16	400	70	50	30	2	

Accessories:



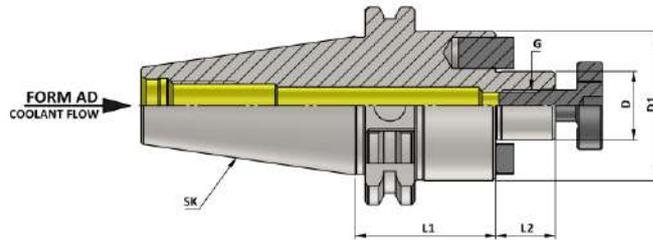
LOCKING SCREW SLA

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Face Mill Holder (DIN 6357) (FMH) (AD)

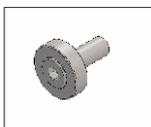


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (FMH) (AD)		(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	SK	D	D1	L1	L2	G
SK40 FMH16 045 AD/2.5G 25000 SL SP.S	K10104126108232	40	16	38	45	17	M8 x 1.25P
SK40 FMH16 100 AD/2.5G 25000 SL SP.S	K10104126148232	40	16	38	100	17	M8 x 1.25P
SK40 FMH16 130 AD/2.5G 25000 SL SP.S	K10104126165232	40	16	38	130	17	M8 x 1.25P
SK40 FMH16 160 AD/2.5G 25000 SL SP.S	K10104126175232	40	16	38	160	17	M8 x 1.25P
SK40 FMH22 045 AD/2.5G 25000 SL SP.S	K10104127108232	40	22	48	45	19	M10 x 1.5P
SK40 FMH22 100 AD/2.5G 25000 SL SP.S	K10104127148232	40	22	48	100	19	M10 x 1.5P
SK40 FMH22 130 AD/2.5G 25000 SL SP.S	K10104127165232	40	22	48	130	19	M10 x 1.5P
SK40 FMH22 160 AD/2.5G 25000 SL SP.S	K10104127175232	40	22	48	160	19	M10 x 1.5P
SK40 FMH27 050 AD/2.5G 25000 SL SP.S	K10104128111232	40	27	58	50	21	M12 x 1.75P
SK40 FMH27 100 AD/2.5G 25000 SL SP.S	K10104128148232	40	27	58	100	21	M12 x 1.75P
SK40 FMH27 130 AD/2.5G 25000 SL SP.S	K10104128165232	40	27	58	130	21	M12 x 1.75P
SK40 FMH27 160 AD/2.5G 25000 SL SP.S	K10104128175232	40	27	58	160	21	M12 x 1.75P
SK40 FMH32 055 AD/2.5G 25000 SL SP.S	K10104129115232	40	32	78	55	24	M16 x 2P
SK40 FMH32 100 AD/2.5G 25000 SL SP.S	K10104129148232	40	32	78	100	24	M16 x 2P
SK40 FMH32 130 AD/2.5G 25000 SL SP.S	K10104129165232	40	32	78	130	24	M16 x 2P
SK40 FMH32 160 AD/2.5G 25000 SL SP.S	K10104129175232	40	32	78	160	24	M16 x 2P
SK40 FMH40 055 AD/2.5G 25000 SL SP.S	K10104130115232	40	40	88	55	27	M20 x 2.5P
SK40 FMH40 100 AD/2.5G 25000 SL SP.S	K10104130148232	40	40	88	100	27	M20 x 2.5P
SK40 FMH40 130 AD/2.5G 25000 SL SP.S	K10104130165232	40	40	88	130	27	M20 x 2.5P
SK40 FMH40 160 AD/2.5G 25000 SL SP.S	K10104130175232	40	40	88	160	27	M20 x 2.5P

Accessories:



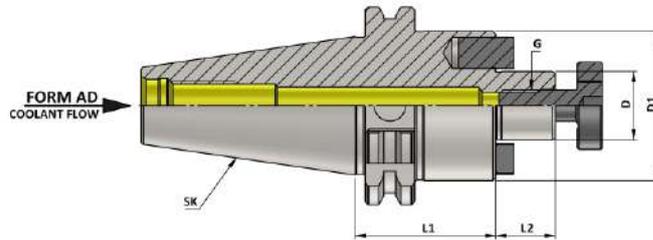
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Face Mill Holder (DIN 6357) (FMH) (AD)

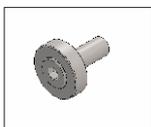


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (FMH) (AD)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	SK	D	D1	L1	L2	G
SK50 FMH16 045 AD/2.5G 25000 SL SP.S	K10105126108232	50	16	38	45	17	M8 x 1.25P
SK50 FMH16 100 AD/2.5G 25000 SL SP.S	K10105126148232	50	16	38	100	17	M8 x 1.25P
SK50 FMH16 130 AD/2.5G 25000 SL SP.S	K10105126165232	50	16	38	130	17	M8 x 1.25P
SK50 FMH16 160 AD/2.5G 25000 SL SP.S	K10105126175232	50	16	38	160	17	M8 x 1.25P
SK50 FMH22 045 AD/2.5G 25000 SL SP.S	K10105127108232	50	22	48	45	19	M10 x 1.5P
SK50 FMH22 100 AD/2.5G 25000 SL SP.S	K10105127148232	50	22	48	100	19	M10 x 1.5P
SK50 FMH22 130 AD/2.5G 25000 SL SP.S	K10105127165232	50	22	48	130	19	M10 x 1.5P
SK50 FMH22 160 AD/2.5G 25000 SL SP.S	K10105127175232	50	22	48	160	19	M10 x 1.5P
SK50 FMH27 045 AD/2.5G 25000 SL SP.S	K10105128108232	50	27	58	45	21	M12 x 1.75P
SK50 FMH27 100 AD/2.5G 25000 SL SP.S	K10105128148232	50	27	58	100	21	M12 x 1.75P
SK50 FMH27 130 AD/2.5G 25000 SL SP.S	K10105128165232	50	27	58	130	21	M12 x 1.75P
SK50 FMH27 160 AD/2.5G 25000 SL SP.S	K10105128175232	50	27	58	160	21	M12 x 1.75P
SK50 FMH32 050 AD/2.5G 25000 SL SP.S	K10105129111232	50	32	78	50	24	M16 x 2P
SK50 FMH32 100 AD/2.5G 25000 SL SP.S	K10105129148232	50	32	78	100	24	M16 x 2P
SK50 FMH32 130 AD/2.5G 25000 SL SP.S	K10105129165232	50	32	78	130	24	M16 x 2P
SK50 FMH32 160 AD/2.5G 25000 SL SP.S	K10105129175232	50	32	78	160	24	M16 x 2P
SK50 FMH40 055 AD/2.5G 25000 SL SP.S	K10105267115232	50	40	88	55	27	M20 x 2.5P
SK50 FMH40 100 AD/2.5G 25000 SL SP.S	K10105267148232	50	40	88	100	27	M20 x 2.5P
SK50 FMH40 130 AD/2.5G 25000 SL SP.S	K10105130165232	50	40	88	130	27	M20 x 2.5P
SK50 FMH40 160 AD/2.5G 25000 SL SP.S	K10105267175232	50	40	88	160	27	M20 x 2.5P
SK50 FMH60 070 AD/2.5G 25000 SL SP.S	K10105268493232	50	60	128	70	40	-

Accessories:



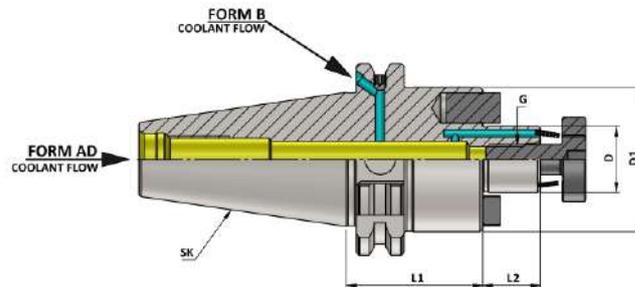
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD+B) (AD/AF)

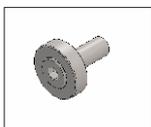


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (FMH-K) (AD+B) (AD/AF)				(Balanced to 2.5G 25000 RPM)			
Item Name	Item Code	SK	D	D1	L1	L2	G
SK40 FMH-K16 045 AD+B/2.5G 25000 SL SP.S	K10104131108234	40	16	38	45	17	M8 x 1.25P
SK40 FMH-K16 100 AD+B/2.5G 25000 SL SP.S	K10104131148234	40	16	38	100	17	M8 x 1.25P
SK40 FMH-K16 130 AD+B/2.5G 25000 SL SP.S	K10104131165234	40	16	38	130	17	M8 x 1.25P
SK40 FMH-K16 160 AD+B/2.5G 25000 SL SP.S	K10104131175234	40	16	38	160	17	M8 x 1.25P
SK40 FMH-K22 045 AD+B/2.5G 25000 SL SP.S	K10104132108234	40	22	48	45	19	M10 x 1.5P
SK40 FMH-K22 100 AD+B/2.5G 25000 SL SP.S	K10104132148234	40	22	48	100	19	M10 x 1.5P
SK40 FMH-K22 130 AD+B/2.5G 25000 SL SP.S	K10104132165234	40	22	48	130	19	M10 x 1.5P
SK40 FMH-K22 160 AD+B/2.5G 25000 SL SP.S	K10104132175234	40	22	48	160	19	M10 x 1.5P
SK40 FMH-K27 050 AD+B/2.5G 25000 SL SP.S	K10104133111234	40	27	58	50	21	M12 x 1.75P
SK40 FMH-K27 100 AD+B/2.5G 25000 SL SP.S	K10104133148234	40	27	58	100	21	M12 x 1.75P
SK40 FMH-K27 130 AD+B/2.5G 25000 SL SP.S	K10104133165234	40	27	58	130	21	M12 x 1.75P
SK40 FMH-K27 160 AD+B/2.5G 25000 SL SP.S	K10104133175234	40	27	58	160	21	M12 x 1.75P
SK40 FMH-K32 055 AD+B/2.5G 25000 SL SP.S	K10104134115234	40	32	78	55	24	M16 x 2P
SK40 FMH-K32 100 AD+B/2.5G 25000 SL SP.S	K10104134148234	40	32	78	100	24	M16 x 2P
SK40 FMH-K32 130 AD+B/2.5G 25000 SL SP.S	K10104134165234	40	32	78	130	24	M16 x 2P
SK40 FMH-K32 160 AD+B/2.5G 25000 SL SP.S	K10104134175234	40	32	78	160	24	M16 x 2P
SK40 FMH-K40 055 AD+B/2.5G 25000 SL SP.S	K10104135115234	40	40	88	55	27	M20 x 2.5P
SK40 FMH-K40 100 AD+B/2.5G 25000 SL SP.S	K10104135148234	40	40	88	100	27	M20 x 2.5P
SK40 FMH-K40 130 AD+B/2.5G 25000 SL SP.S	K10104576165234	40	40	88	130	27	M20 x 2.5P
SK40 FMH-K40 160 AD+B/2.5G 25000 SL SP.S	K10104135175234	40	40	88	160	27	M20 x 2.5P

Accessories:



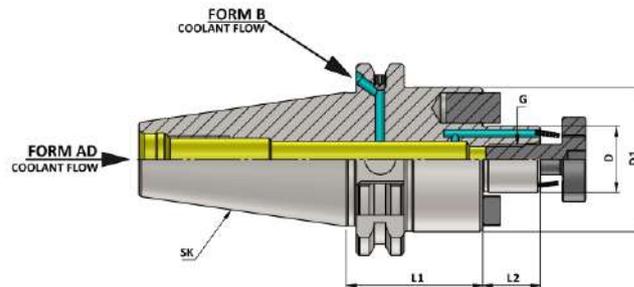
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Face Mill Holder (Through Coolant) (DIN 6357) (FMH-K) (AD+B) (AD/AF)

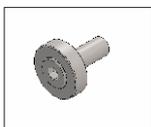


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (FMH-K) (AD+B) (AD/AF)				(Balanced to 2.5G 25000 RPM)			
Item Name	Item Code	SK	D	D1	L1	L2	G
SK50 FMH-K16 045 AD+B/2.5G 25000 SL SP.S	K10105131108234	50	16	38	45	17	M8 x 1.25P
SK50 FMH-K16 100 AD+B/2.5G 25000 SL SP.S	K10105131148234	50	16	38	100	17	M8 x 1.25P
SK50 FMH-K16 130 AD+B/2.5G 25000 SL SP.S	K10105131165234	50	16	38	130	17	M8 x 1.25P
SK50 FMH-K16 160 AD+B/2.5G 25000 SL SP.S	K10105131175234	50	16	38	160	17	M8 x 1.25P
SK50 FMH-K22 045 AD+B/2.5G 25000 SL SP.S	K10105132108234	50	22	48	45	19	M10 x 1.5P
SK50 FMH-K22 100 AD+B/2.5G 25000 SL SP.S	K10105132148234	50	22	48	100	19	M10 x 1.5P
SK50 FMH-K22 130 AD+B/2.5G 25000 SL SP.S	K10105132165234	50	22	48	130	19	M10 x 1.5P
SK50 FMH-K22 160 AD+B/2.5G 25000 SL SP.S	K10105132175234	50	22	48	160	19	M10 x 1.5P
SK50 FMH-K27 045 AD+B/2.5G 25000 SL SP.S	K10105133108234	50	27	58	45	21	M12 x 1.75P
SK50 FMH-K27 100 AD+B/2.5G 25000 SL SP.S	K10105133148234	50	27	58	100	21	M12 x 1.75P
SK50 FMH-K27 130 AD+B/2.5G 25000 SL SP.S	K10105133165234	50	27	58	130	21	M12 x 1.75P
SK50 FMH-K27 160 AD+B/2.5G 25000 SL SP.S	K10105133175234	50	27	58	160	21	M12 x 1.75P
SK50 FMH-K32 050 AD+B/2.5G 25000 SL SP.S	K10105134111234	50	32	78	50	24	M16 x 2P
SK50 FMH-K32 100 AD+B/2.5G 25000 SL SP.S	K10105134148234	50	32	78	100	24	M16 x 2P
SK50 FMH-K32 130 AD+B/2.5G 25000 SL SP.S	K10105134165234	50	32	78	130	24	M16 x 2P
SK50 FMH-K32 160 AD+B/2.5G 25000 SL SP.S	K10105134175234	50	32	78	160	24	M16 x 2P
SK50 FMH-K40 055 AD+B/2.5G 25000 SL SP.S	K10105135115234	50	40	88	55	27	M20 x 2.5P
SK50 FMH-K40 100 AD+B/2.5G 25000 SL SP.S	K10105135148234	50	40	88	100	27	M20 x 2.5P
SK50 FMH-K40 130 AD+B/2.5G 25000 SL SP.S	K10105576165234	50	40	88	130	27	M20 x 2.5P
SK50 FMH-K40 160 AD+B/2.5G 25000 SL SP.S	K10105576175234	50	40	88	160	27	M20 x 2.5P
SK50 FMH-K60 070 AD+B/2.5G 25000 SL SP.S	K10105577125111	50	60	128	70	40	-

Accessories:



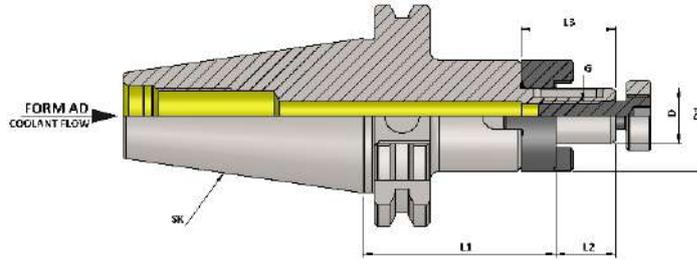
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Combi Shell Mill Adaptor (DIN 6358) (CSMA) (AD)

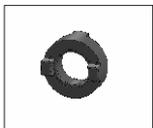


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) CSMA (AD)			(Balanced to 2.5G 25000 RPM)					
Item Name	Item Code	SK	D	D1	L1	L2	L3	G
SK40 CSMA16 055 AD/2.5G 25000 SL SP.S	K10104121115232	40	16	32	55	17	27	M8 x 1.25P
SK40 CSMA16 100 AD/2.5G 25000 SL SP.S	K10104121148232	40	16	32	100	17	27	M8 x 1.25P
SK40 CSMA16 130 AD/2.5G 25000 SL SP.S	K10104121165232	40	16	32	130	17	27	M8 x 1.25P
SK40 CSMA16 160 AD/2.5G 25000 SL SP.S	K10104121175232	40	16	32	160	17	27	M8 x 1.25P
SK40 CSMA22 055 AD/2.5G 25000 SL SP.S	K10104122115232	40	22	40	55	19	31	M10 x 1.5P
SK40 CSMA22 100 AD/2.5G 25000 SL SP.S	K10104122148232	40	22	40	100	19	31	M10 x 1.5P
SK40 CSMA22 130 AD/2.5G 25000 SL SP.S	K10104122165232	40	22	40	130	19	31	M10 x 1.5P
SK40 CSMA22 160 AD/2.5G 25000 SL SP.S	K10104122175232	40	22	40	160	19	31	M10 x 1.5P
SK40 CSMA27 055 AD/2.5G 25000 SL SP.S	K10104123115232	40	27	48	55	21	33	M12 x 1.75P
SK40 CSMA27 100 AD/2.5G 25000 SL SP.S	K10104123148232	40	27	48	100	21	33	M12 x 1.75P
SK40 CSMA27 130 AD/2.5G 25000 SL SP.S	K10104123165232	40	27	48	130	21	33	M12 x 1.75P
SK40 CSMA27 160 AD/2.5G 25000 SL SP.S	K10104123175232	40	27	48	160	21	33	M12 x 1.75P
SK40 CSMA32 060 AD/2.5G 25000 SL SP.S	K10104124117232	40	32	58	60	24	38	M16 x 2P
SK40 CSMA32 100 AD/2.5G 25000 SL SP.S	K10104124148232	40	32	58	100	24	38	M16 x 2P
SK40 CSMA32 130 AD/2.5G 25000 SL SP.S	K10104124165232	40	32	58	130	24	38	M16 x 2P
SK40 CSMA32 160 AD/2.5G 25000 SL SP.S	K10104124175232	40	32	58	160	24	38	M16 x 2P
SK40 CSMA40 060 AD/2.5G 25000 SL SP.S	K10104125117232	40	40	70	60	27	41	M20 x 2.5P
SK40 CSMA40 100 AD/2.5G 25000 SL SP.S	K10104125148232	40	40	70	100	27	41	M20 x 2.5P
SK40 CSMA40 130 AD/2.5G 25000 SL SP.S	K10104125165232	40	40	70	130	27	41	M20 x 2.5P
SK40 CSMA40 160 AD/2.5G 25000 SL SP.S	K10104125175232	40	40	70	160	27	41	M20 x 2.5P

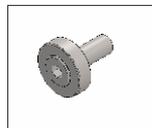
Accessories:



CSMA DRIVER RING



CSMA KEY



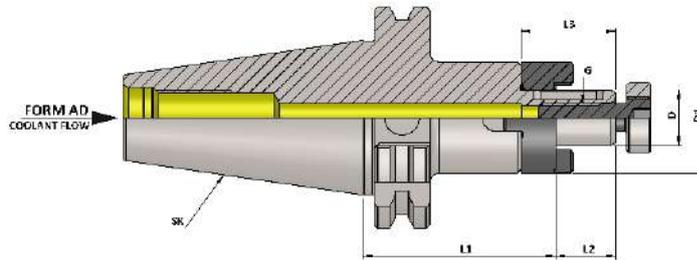
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Combi Shell Mill Adaptor (DIN 6358) (CSMA) (AD)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) CSMA (AD)			(Balanced to 2.5G 25000 RPM)						
Item Name	Item Code	SK	D	D1	L1	L2	L3	G	
SK50 CSMA16 055 AD/2.5G 25000 SL SP.S	K10105121115232	50	16	32	55	17	27	M8 x 1.25P	
SK50 CSMA16 100 AD/2.5G 25000 SL SP.S	K10105121148232	50	16	32	100	17	27	M8 x 1.25P	
SK50 CSMA16 130 AD/2.5G 25000 SL SP.S	K10105121165232	50	16	32	130	17	27	M8 x 1.25P	
SK50 CSMA16 160 AD/2.5G 25000 SL SP.S	K10105121175232	50	16	32	160	17	27	M8 x 1.25P	
SK50 CSMA22 055 AD/2.5G 25000 SL SP.S	K10105122115232	50	22	40	55	19	31	M10 x 1.5P	
SK50 CSMA22 100 AD/2.5G 25000 SL SP.S	K10105122148232	50	22	40	100	19	31	M10 x 1.5P	
SK50 CSMA22 130 AD/2.5G 25000 SL SP.S	K10105122165232	50	22	40	130	19	31	M10 x 1.5P	
SK50 CSMA22 160 AD/2.5G 25000 SL SP.S	K10105122175232	50	22	40	160	19	31	M10 x 1.5P	
SK50 CSMA27 055 AD/2.5G 25000 SL SP.S	K10105123115232	50	27	48	55	21	33	M12 x 1.75P	
SK50 CSMA27 100 AD/2.5G 25000 SL SP.S	K10105123148232	50	27	48	100	21	33	M12 x 1.75P	
SK50 CSMA27 130 AD/2.5G 25000 SL SP.S	K10105123165232	50	27	48	130	21	33	M12 x 1.75P	
SK50 CSMA27 160 AD/2.5G 25000 SL SP.S	K10105123175232	50	27	48	160	21	33	M12 x 1.75P	
SK50 CSMA32 055 AD/2.5G 25000 SL SP.S	K10105124115232	50	32	58	55	24	38	M16 x 2P	
SK50 CSMA32 100 AD/2.5G 25000 SL SP.S	K10105124148232	50	32	58	100	24	38	M16 x 2P	
SK50 CSMA32 130 AD/2.5G 25000 SL SP.S	K10105124165232	50	32	58	130	24	38	M16 x 2P	
SK50 CSMA32 160 AD/2.5G 25000 SL SP.S	K10105124175232	50	32	58	160	24	38	M16 x 2P	
SK50 CSMA40 055 AD/2.5G 25000 SL SP.S	K10105125115232	50	40	70	55	27	41	M20 x 2.5P	
SK50 CSMA40 100 AD/2.5G 25000 SL SP.S	K10105125148232	50	40	70	100	27	41	M20 x 2.5P	
SK50 CSMA40 130 AD/2.5G 25000 SL SP.S	K10105125165232	50	40	70	130	27	41	M20 x 2.5P	
SK50 CSMA40 160 AD/2.5G 25000 SL SP.S	K10105125175232	50	40	70	160	27	41	M20 x 2.5P	

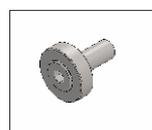
Accessories:



CSMA DRIVER RING



CSMA KEY



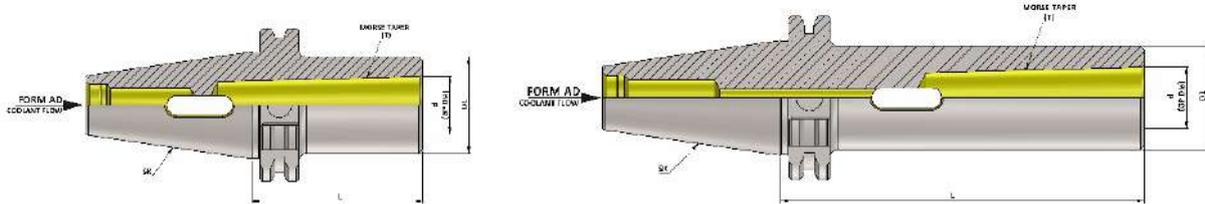
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Morse Taper Adaptor (DIN 6383) (MTA)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (MTA) (Balanced to 6.3 G 15000 RPM)

Item Name	Item Code	SK	Morse Taper(T)	d (GP)	D1	L
SK40 MT01 050 6.3G 15000 SL	K10104447111122	40	1	12.065	25	50
SK40 MT01 115 6.3G 15000 SL	K10104447159122	40	1	12.065	25	115
SK40 MT02 050 6.3G 15000 SL	K10104448111122	40	2	17.780	32	50
SK40 MT02 125 6.3G 15000 SL	K10104448164122	40	2	17.780	32	125
SK40 MT03 070 6.3G 15000 SL	K10104449125122	40	3	23.825	40	70
SK40 MT03 140 6.3G 15000 SL	K10104449169122	40	3	23.825	40	140
SK40 MT04 095 6.3G 15000 SL	K10104451145122	40	4	31.267	48	95

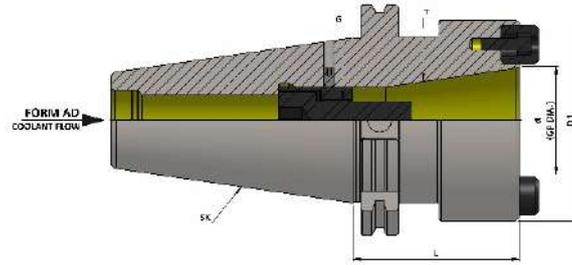
SK50 MT01 050 6.3G 15000 SL	K10105447111110	50	1	12.065	25	50
SK50 MT01 120 6.3G 15000 SL	K10105447162110	50	1	12.065	25	120
SK50 MT02 060 6.3G 15000 SL	K10105448117110	50	2	17.780	32	60
SK50 MT02 140 6.3G 15000 SL	K10105448169110	50	2	17.780	32	140
SK50 MT03 065 6.3G 15000 SL	K10105449123110	50	3	23.825	40	65
SK50 MT03 150 6.3G 15000 SL	K10105449173110	50	3	23.825	40	150
SK50 MT04 095 6.3G 15000 SL	K10105451145110	50	4	31.267	48	95
SK50 MT04 180 6.3G 15000 SL	K10105451178110	50	4	31.267	48	180
SK50 MT05 120 6.3G 15000 SL	K10105450162110	50	5	44.399	63	120
SK50 MT05 220 6.3G 15000 SL	K10105450180110	50	5	44.399	63	220

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Reduction Sleeve



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied

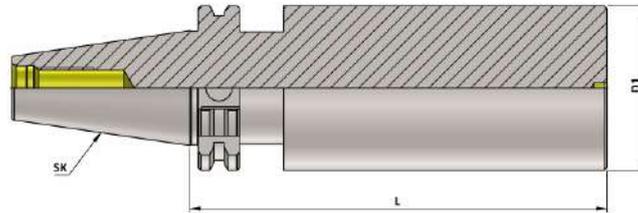


SK (DIN 69871) Reduction Sleeve

Item Name	Item Code	SK	d (GP)	D1	T	L	G
SK50 X SK40 REDUCTION SLEEVE	K10105347486127	50	44.45	85	7:24	70	M16

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Boring Bar Blank



SK (DIN 69871) Boring Bar Blank

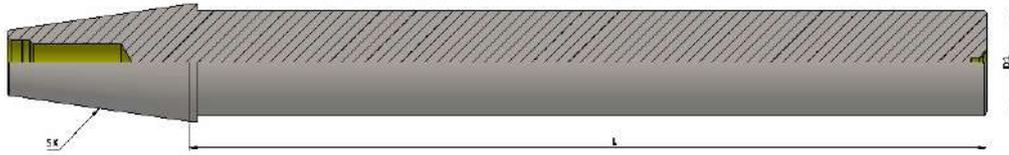
Item Name	Item Code	SK	D1	L
SK40 BORING BAR BLANK DIA 63.5 L 160	K10104173330127	40	63.5	160
SK40 BORING BAR BLANK DIA 63.5 L 250	K10104173256127	40	63.5	250
SK50 BORING BAR BLANK DIA 80.0 L 160	K10105264330127	50	80	160
SK50 BORING BAR BLANK DIA 80.0 L 200	K10105264237127	50	80	200
SK50 BORING BAR BLANK DIA 80.0 L 250	K10105264256127	50	80	250
SK50 BORING BAR BLANK DIA 80.0 L 300	K10105264257127	50	80	300
SK50 BORING BAR BLANK DIA 97.0 L 315	K10105265329127	50	97	315

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Master Mandrell



Maximum Run out of the External Dia with respect to the External Taper 0.003 mm as supplied



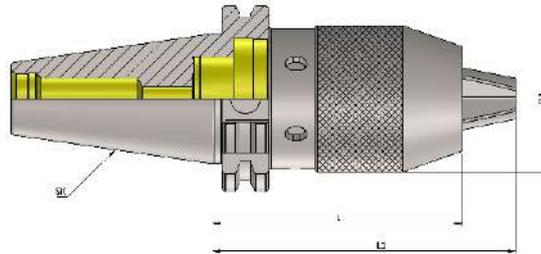
SK (DIN 69871) Master Mandrell		(Sub Zero Treated)		
Item Name	Item Code	SK	D1	L
SK40 (DIN69871) MASTER MANDRELL DIA40 L 300	K10104165257127	40	40	300
SK50 (DIN69871) MASTER MANDRELL DIA50 L 350	K10105166258127	50	50	350

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) NC Drill Chuck (NCDC)



Maximum Run out on the Mandrell with respect to the External Taper 0.050 mm as supplied



SK (DIN 69871) (NCDC)					
Item Name	Item Code	SK	D1	L	L1
SK40 NCDC113 97.50	K10104167157110	40	50	97.50	110
SK50 NCDC113 97.50	K10105167151110	50	50	97.50	110

Accessories:



SPANNER NCDC

Note: All Dimensions are in mm

Features:

- For Mounting of Screw type Modular Milling Cutters.
- Slim Design & hence easy to reach at deep cavities.
- Unibody Construction.
- All "KTA" Milling Cutter Arbors are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

Available In Mountings:

- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)

Balancing:

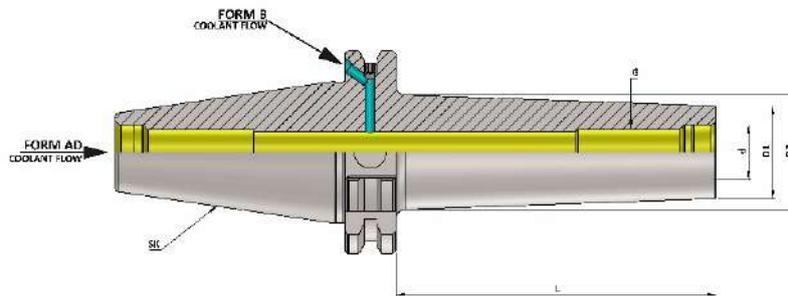
- Balanced To 2.5 G 25000RPM



SK (DIN 69871) (DIN ISO 7388 - 1) Milling Cutter Arbor (MCA) (AD+B) (AD/AF)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



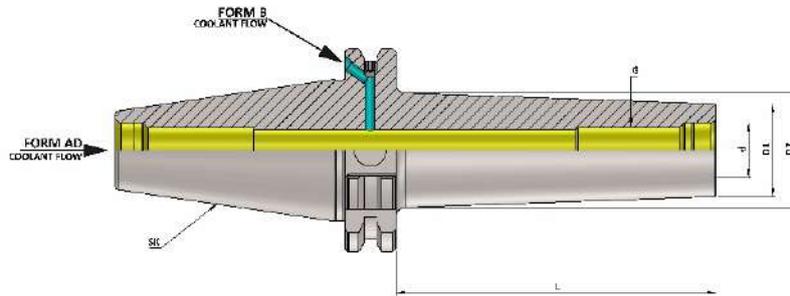
SK (DIN 69871) (MCA) (AD+B) (AD/AF)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	SK	d	D1	D2	G	L
SK40 MCA06 025 AD+B/2.5G 25000 SL	K10104137101230	40	6.5	10	13	M6	25
SK40 MCA06 050 AD+B/2.5G 25000 SL	K10104137111230	40	6.5	10	20	M6	50
SK40 MCA06 075 AD+B/2.5G 25000 SL	K10104137127230	40	6.5	10	23	M6	75
SK40 MCA08 025 AD+B/2.5G 25000 SL	K10104138101230	40	8.5	13	15	M8	25
SK40 MCA08 050 AD+B/2.5G 25000 SL	K10104138111230	40	8.5	13	23	M8	50
SK40 MCA08 075 AD+B/2.5G 25000 SL	K10104138127230	40	8.5	13	23	M8	75
SK40 MCA08 100 AD+B/2.5G 25000 SL	K10104138148230	40	8.5	13	25	M8	100
SK40 MCA10 025 AD+B/2.5G 25000 SL	K10104139101230	40	10.5	18	20	M10	25
SK40 MCA10 050 AD+B/2.5G 25000 SL	K10104139111230	40	10.5	18	23	M10	50
SK40 MCA10 075 AD+B/2.5G 25000 SL	K10104139127230	40	10.5	18	28	M10	75
SK40 MCA10 100 AD+B/2.5G 25000 SL	K10104139148230	40	10.5	18	32	M10	100
SK40 MCA12 025 AD+B/2.5G 25000 SL	K10104140101230	40	12.5	21	24	M12	25
SK40 MCA12 050 AD+B/2.5G 25000 SL	K10104140111230	40	12.5	21	24	M12	50
SK40 MCA12 075 AD+B/2.5G 25000 SL	K10104140127230	40	12.5	21	31	M12	75
SK40 MCA12 100 AD+B/2.5G 25000 SL	K10104140148230	40	12.5	21	33	M12	100
SK40 MCA12 125 AD+B/2.5G 25000 SL	K10104140164230	40	12.5	21	36	M12	125
SK40 MCA16 025 AD+B/2.5G 25000 SL	K10104141101230	40	17.0	29	29	M16	25
SK40 MCA16 050 AD+B/2.5G 25000 SL	K10104141111230	40	17.0	29	34	M16	50
SK40 MCA16 075 AD+B/2.5G 25000 SL	K10104141127230	40	17.0	29	34	M16	75
SK40 MCA16 100 AD+B/2.5G 25000 SL	K10104141148230	40	17.0	29	36	M16	100
SK40 MCA16 125 AD+B/2.5G 25000 SL	K10104141164230	40	17.0	29	40	M16	125
SK40 MCA16 150 AD+B/2.5G 25000 SL	K10104141173230	40	17.0	29	42.5	M16	150

Note: All Dimensions are in mm

SK (DIN 69871) (DIN ISO 7388 - 1) Milling Cutter Arbor (MCA) (AD+B) (AD/AF)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



SK (DIN 69871) (MCA) (AD+B) (AD/AF)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	SK	d	D1	D2	G	L
SK50 MCA08 050 AD+B/2.5G 25000 SL	K10105138111230	50	8.5	13	23	M8	50
SK50 MCA08 100 AD+B/2.5G 25000 SL	K10105138148230	50	8.5	13	25	M8	100
SK50 MCA08 150 AD+B/2.5G 25000 SL	K10105138173230	50	8.5	13	30	M8	150
SK50 MCA10 050 AD+B/2.5G 25000 SL	K10105139111230	50	10.5	18	23	M10	50
SK50 MCA10 100 AD+B/2.5G 25000 SL	K10105139148230	50	10.5	18	32	M10	100
SK50 MCA10 150 AD+B/2.5G 25000 SL	K10105139173230	50	10.5	18	36.5	M10	150
SK50 MCA12 050 AD+B/2.5G 25000 SL	K10105140111230	50	12.5	21	24	M12	50
SK50 MCA12 100 AD+B/2.5G 25000 SL	K10105140148230	50	12.5	21	33	M12	100
SK50 MCA12 150 AD+B/2.5G 25000 SL	K10105140173230	50	12.5	21	40	M12	150
SK50 MCA16 050 AD+B/2.5G 25000 SL	K10105141111230	50	17.0	29	34	M16	50
SK50 MCA16 100 AD+B/2.5G 25000 SL	K10105141148230	50	17.0	29	36	M16	100
SK50 MCA16 150 AD+B/2.5G 25000 SL	K10105141173230	50	17.0	29	42.5	M16	150

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant supply only.

Features:

- Quick Change features to suit KTA-Quick Change Adaptors with and without safety clutch.
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences.
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

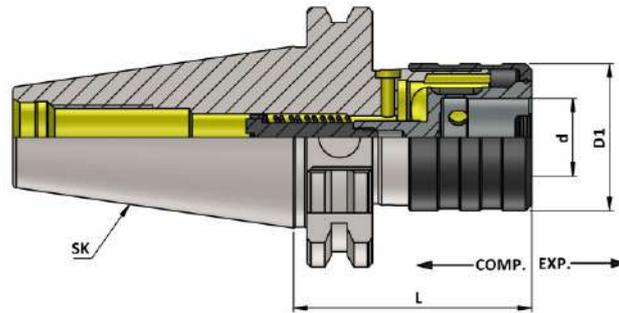
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871)(DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- VDI Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



SK (DIN 69871) (DIN ISO 7388 - 1) Quick Change Tapping Chuck (KWFLK)



SK (DIN 69871) (KWFLK)

Item Name	Item Code	SK	Capacity	Suitable Adaptor	Compr.	Expan.	d	D1	L
SK30 KWFLK1 64.0	K10194169278127	30	M3-M12	KWES1B	7.50	7.50	19	36	64
SK40 KWFLK1 60.0	K10104169287127	40	M3-M12	KWES1B	7.50	7.50	19	36	60
SK40 KWFLK2 98.0	K10104170288127	40	M6-M20	KWES2B	12.50	12.50	31	53	98
SK40 KWFLK3 150.0	K10104171289127	40	M14-M33	KWES3B	20.00	20.00	48	78	150
SK40 KWFLK4 164.5	K10104172176127	40	M22-M48	KWES4B	22.50	22.50	60	96	164.5

SK50 KWFLK1 60.0	K10105169287127	50	M3-M12	KWES1B	7.50	7.50	19	36	60
SK50 KWFLK2 84.0	K10105170290127	50	M6-M20	KWES2B	12.50	12.50	31	53	84
SK50 KWFLK3 139.0	K10105171291127	50	M14-M33	KWES3B	20.00	20.00	48	78	139
SK50 KWFLK4 152.0	K10105172292127	50	M22-M48	KWES4B	22.50	22.50	60	96	152

Accessories:



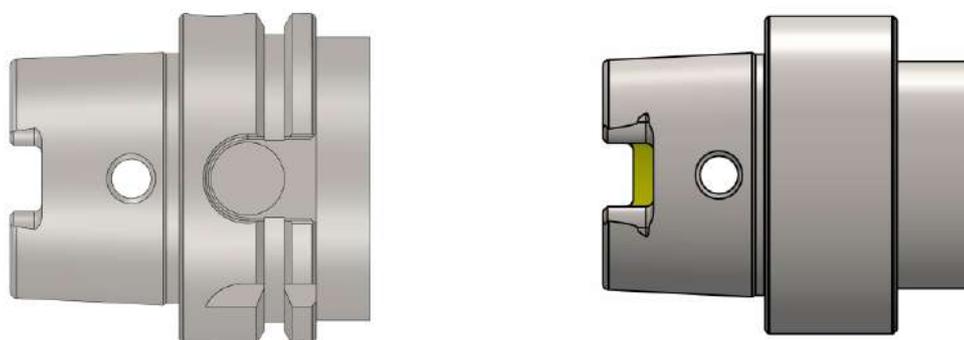
Tap Adaptor KWES B & KWESK B



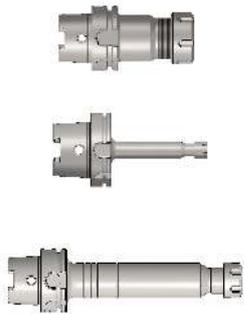
Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

Precision Tool Holders HSK-A & HSK-C (DIN 69893-1)



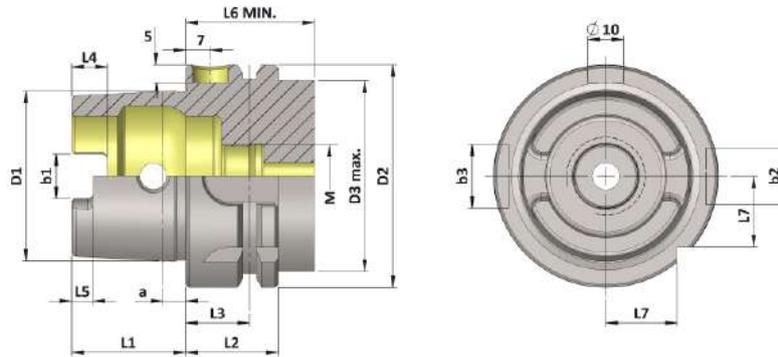
INDEX

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③	Weldon Type End Mill Holders (DIN 6359) <ul style="list-style-type: none"> • Weldon (WE) • Weldon (WE : FCC) 		157 - 166
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12	Milling Cutter Arbor (MCA)		186 - 187
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HSK-A (DIN 69893-1) Form A Technical Information



HSK-A	D1	D2	D3	a	b1	b2	b3	M	L1	L2	L3	L4	L5	L6	L7
32	24	32	26	3.20	7.05	7	9	M10 x 1	16	20	16	5	3	35	9.50
40	30	40	34	4	8.05	9	11	M12 x 1	20	20	16	6	3.50	35	12
50	38	50	42	5	10.54	12	14	M16 x 1	25	26	18	7.50	4.50	42	15.50
63	48	63	53	6.30	12.54	16	18	M18 x 1	32	26	18	10	6	42	20
80	60	80	68	8	16.04	18	20	M20 x 1.5	40	26	18	12	8	42	25
100	75	100	88	10	20.02	20	22	M24 x 1.5	50	29	20	15	10	45	31.50
125	95	125	111	12.50	25.02	25	28	M30 x 1.5	63	29	20	19	12	45	39.50

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

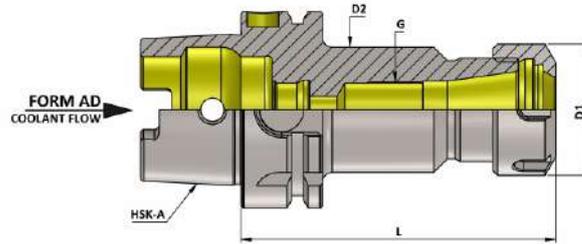
Accuracy :- Taper Angle Class AT 3

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) Collet Chuck ER											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	HSK-A	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
HSK-A 32 ER 16 080 2.5G 25000 SL	K10319149131209	32	ER 16	0.5-10	32	-	M10x1	80	UM/ER 16	E16		
HSK-A 32 ER 25 080 2.5G 25000 SL	K10319635131209	32	ER 25	1.0-16	42	-	M18x1	80	UM/ER 25	E25		
HSK-A 40 ER 16 080 2.5G 25000 SL	K10165149131209	40	ER 16	0.5-10	32	-	M10x1	80	UM/ER 16	E16		
HSK-A 40 ER 25 080 2.5G 25000 SL	K10165151131209	40	ER 25	1.0-16	42	-	M18x1	80	UM/ER 25	E25		
HSK-A 40 ER 32 100 2.5G 25000 SL	K10165152148209	40	ER 32	2.0-20	50	-	M22X1.5	100	UM/ER 32	E32		
HSK-A 50 ER 16 060 2.5G 25000 SL	K10166149117209	50	ER 16	0.5-10	32	-	M10x1	60	UM/ER 16	E16		
HSK-A 50 ER 16 100 2.5G 25000 SL	K10166149148209	50	ER 16	0.5-10	32	28	M10x1	100	UM/ER 16	E16		
HSK-A 50 ER 20 100 2.5G 25000 SL	K10166150148209	50	ER 20	1.0-13	35	33	M10x1	100	UM/ER 20	E20		
HSK-A 50 ER 25 070 2.5G 25000 SL	K10166151125209	50	ER 25	1.0-16	42	-	M18x1	70	UM/ER 25	E25		
HSK-A 50 ER 25 100 2.5G 25000 SL	K10166151148209	50	ER 25	1.0-16	42	-	M18x1	100	UM/ER 25	E25		
HSK-A 50 ER 32 080 2.5G 25000 SL	K10166152131209	50	ER 32	2.0-20	50	-	M22X1.5	80	UM/ER 32	E32		
HSK-A 50 ER 32 100 2.5G 25000 SL	K10166152148209	50	ER 32	2.0-20	50	-	M22X1.5	100	UM/ER 32	E32		
HSK-A 50 ER 40 080 2.5G 25000 SL	K10166153131209	50	ER 40	3.0-26	63	-	M30x1.5	80	UM/ER 40	E40		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



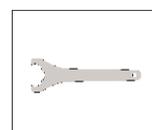
ER NUT



ER STOPPER SCREW



SEALING DISC



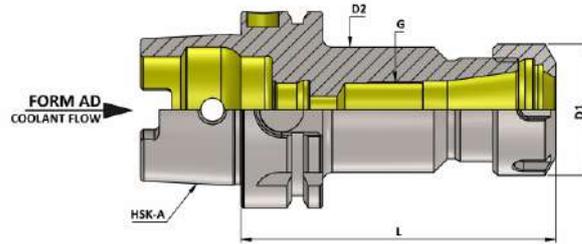
SPANNER E

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) Collet Chuck ER											(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	HSK-A	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner		
HSK-A 63 ER 16 100 2.5G 25000 SL	K10167149148209	63	ER 16	0.5-10	32	28	M10x1	100	UM/ER 16	E16		
HSK-A 63 ER 16 130 2.5G 25000 SL	K10316149165209	63	ER 16	0.5-10	32	28	M10x1	130	UM/ER 16	E16		
HSK-A 63 ER 16 160 2.5G 25000 SL	K10167149175209	63	ER 16	0.5-10	32	28	M10x1	160	UM/ER 16	E16		
HSK-A 63 ER 20 100 2.5G 25000 SL	K10167150148209	63	ER 20	1.0-13	35	33	M10x1	100	UM/ER 20	E20		
HSK-A 63 ER 20 130 2.5G 25000 SL	K10316150165209	63	ER 20	1.0-13	35	33	M10x1	130	UM/ER 20	E20		
HSK-A 63 ER 20 160 2.5G 25000 SL	K10167150175209	63	ER 20	1.0-13	35	33	M10x1	160	UM/ER 20	E20		
HSK-A 63 ER 25 100 2.5G 25000 SL	K10167151148209	63	ER 25	1.0-16	42	40	M18x1	100	UM/ER 25	E25		
HSK-A 63 ER 25 130 2.5G 25000 SL	K10316151165209	63	ER 25	1.0-16	42	40	M18x1	130	UM/ER 25	E25		
HSK-A 63 ER 25 160 2.5G 25000 SL	K10167151175209	63	ER 25	1.0-16	42	40	M18x1	160	UM/ER 25	E25		
HSK-A 63 ER 32 100 2.5G 25000 SL	K10167152148209	63	ER 32	2.0-20	50	48	M22X1.5	100	UM/ER 32	E32		
HSK-A 63 ER 32 130 2.5G 25000 SL	K10316152165209	63	ER 32	2.0-20	50	48	M22X1.5	130	UM/ER 32	E32		
HSK-A 63 ER 32 160 2.5G 25000 SL	K10167152175209	63	ER 32	2.0-20	50	48	M22X1.5	160	UM/ER 32	E32		
HSK-A 63 ER 40 120 2.5G 25000 SL	K10167153162209	63	ER 40	3.0-26	63	-	M30x1.5	120	UM/ER 40	E40		
HSK-A 63 ER 40 160 2.5G 25000 SL	K10167153175209	63	ER 40	3.0-26	63	-	M30x1.5	160	UM/ER 40	E40		
HSK-A 80 ER 32 100 2.5G 25000 SL	K10320152148209	80	ER 32	2.0-20	50	-	M22X1.5	100	UM/ER 32	E32		
HSK-A 80 ER 40 120 2.5G 25000 SL	K10320153162209	80	ER 40	3.0-26	63	-	M30x1.5	120	UM/ER 40	E40		
HSK-A 100 ER 25 100 2.5G 25000 SL	K10168151148209	100	ER 25	1.0-16	42	40	M18x1	100	UM/ER 25	E25		
HSK-A 100 ER 25 160 2.5G 25000 SL	K10168151175209	100	ER 25	1.0-16	42	40	M18x1	160	UM/ER 25	E25		
HSK-A 100 ER 32 100 2.5G 25000 SL	K10168152148209	100	ER 32	2.0-20	50	45	M22X1.5	100	UM/ER 32	E32		
HSK-A 100 ER 32 160 2.5G 25000 SL	K10168152175209	100	ER 32	2.0-20	50	45	M22X1.5	160	UM/ER 32	E32		
HSK-A 100 ER 40 120 2.5G 25000 SL	K10168153162209	100	ER 40	3.0-26	63	60	M30x1.5	120	UM/ER 40	E40		
HSK-A 100 ER 40 160 2.5G 25000 SL	K10168153175209	100	ER 40	3.0-26	63	60	M30x1.5	160	UM/ER 40	E40		

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



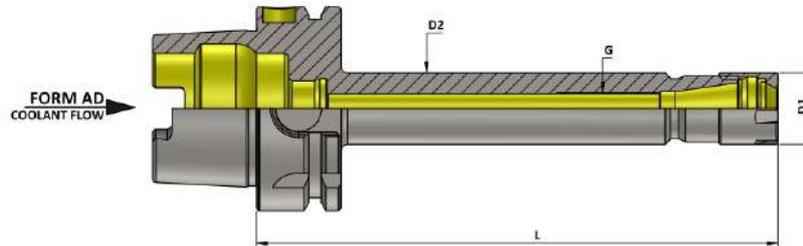
SPANNER E

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Collet Chuck ER-M Type (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) Collet Chuck ER-M Type					(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	HSK-A	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
HSK-A 63 ER11M 100 2.5G 25000 SL	K10167156148114	63	ER 11	0.5-7	16	16	M6x1P	100	ER11M	E11M	
HSK-A 63 ER11M 130 2.5G 25000 SL	K10316156165209	63	ER 11	0.5-7	16	16	M6x1P	130	ER11M	E11M	
HSK-A 63 ER11M 160 2.5G 25000 SL	K10167156175114	63	ER 11	0.5-7	16	16	M6x1P	160	ER11M	E11M	
HSK-A 63 ER16M 070 2.5G 25000 SL	K10305157125209	63	ER 16	0.5-10	22	22	M10x1P	70	ER16M	E16M	
HSK-A 63 ER16M 100 2.5G 25000 SL	K10167157148114	63	ER 16	0.5-10	22	22	M10x1P	100	ER16M	E16M	
HSK-A 63 ER16M 130 2.5G 25000 SL	K10316157165209	63	ER 16	0.5-10	22	22	M10x1P	130	ER16M	E16M	
HSK-A 63 ER16M 160 2.5G 25000 SL	K10167157175209	63	ER 16	0.5-10	22	22	M10x1P	160	ER16M	E16M	
HSK-A 63 ER25M 100 2.5G 25000 SL	K10167159148209	63	ER 25	1.0-16	35	35	M18x1P	100	ER25M	E25M	
HSK-A 63 ER25M 160 2.5G 25000 SL	K10167159175209	63	ER 25	1.0-16	35	35	M18x1P	160	ER25M	E25M	
HSK-A 100 ER16M 100 2.5G 25000 SL	K10168157148209	100	ER 16	0.5-10	22	22	M10x1P	100	ER16M	E16M	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



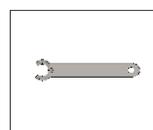
ERM NUT



ER STOPPER SCREW



SEALING DISC



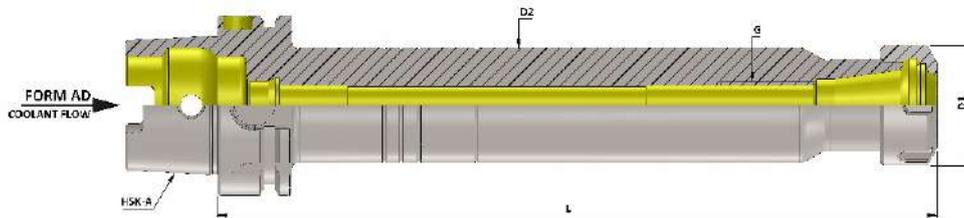
ERM SPANNER

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Collet Chuck ER Long Series (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Collet Chuck ER (AD)

Item Name	Item Code	HSK-A	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
HSK-A 63 ER 16 200 AD	K10306149239543	63	ER 16	0.5-10	32	30	M10 x 1.5P	200	UM/ER16	E16
HSK-A 63 ER 16 250 AD	K10306149182543	63	ER 16	0.5-10	32	30	M10 x 1.5P	250	UM/ER16	E16
HSK-A 63 ER 16 300 AD	K10306149183543	63	ER 16	0.5-10	32	30	M10 x 1.5P	300	UM/ER16	E16
HSK-A 63 ER 20 200 AD	K10306150239543	63	ER 20	1.0-13	35	34	M10 x 1.5P	200	UM/ER20	E20
HSK-A 63 ER 20 250 AD	K10306150182543	63	ER 20	1.0-13	35	34	M10 x 1.5P	250	UM/ER20	E20
HSK-A 63 ER 20 300 AD	K10306150183543	63	ER 20	1.0-13	35	34	M10 x 1.5P	300	UM/ER20	E20
HSK-A 63 ER 25 200 AD	K10306151239543	63	ER 25	1.0-16	42	40	M16 x 2P	200	UM/ER25	E25
HSK-A 63 ER 25 250 AD	K10306151182543	63	ER 25	1.0-16	42	40	M16 x 2P	250	UM/ER25	E25
HSK-A 63 ER 25 300 AD	K10306151183543	63	ER 25	1.0-16	42	40	M16 x 2P	300	UM/ER25	E25
HSK-A 63 ER 32 200 AD	K10306152239543	63	ER 32	2.0-20	50	48	M16 x 2P	200	UM/ER32	E32
HSK-A 63 ER 32 250 AD	K10306152182543	63	ER 32	2.0-20	50	48	M16 x 2P	250	UM/ER32	E32
HSK-A 63 ER 32 300 AD	K10306152183543	63	ER 32	2.0-20	50	48	M16 x 2P	300	UM/ER32	E32
HSK-A 63 ER 40 200 AD	K10306153239543	63	ER 40	3.0-26	63	52	M16 x 2P	200	UM/ER40	E40
HSK-A 63 ER 40 250 AD	K10306153182543	63	ER 40	3.0-26	63	52	M16 x 2P	250	UM/ER40	E40
HSK-A 63 ER 40 300 AD	K10306153183543	63	ER 40	3.0-26	63	52	M16 x 2P	300	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



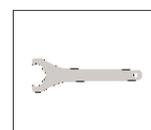
ER NUT



ER STOPPER SCREW



SEALING DISC



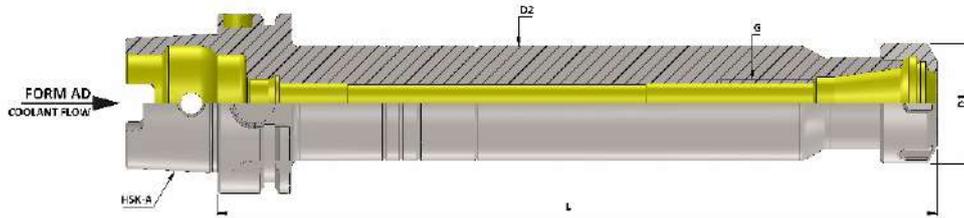
SPANNER E

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Collet Chuck ER Long Series (DIN 6499) (AD)



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Collet Chuck ER (AD)										
Item Name	Item Code	HSK-A	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
HSK-A 100 ER 16 200 AD	K10168149239543	100	ER 16	0.5-10	32	30	M10 x 1.5P	200	UM/ER16	E16
HSK-A 100 ER 16 250 AD	K10168149182543	100	ER 16	0.5-10	32	30	M10 x 1.5P	250	UM/ER16	E16
HSK-A 100 ER 16 300 AD	K10168149183543	100	ER 16	0.5-10	32	30	M10 x 1.5P	300	UM/ER16	E16
HSK-A 100 ER 16 350 AD	K10168149184543	100	ER 16	0.5-10	32	30	M10 x 1.5P	350	UM/ER16	E16
HSK-A 100 ER 16 400 AD	K10168149540543	100	ER 16	0.5-10	32	30	M10 x 1.5P	400	UM/ER16	E16
HSK-A 100 ER 20 200 AD	K10168150239543	100	ER 20	1.0-13	35	34	M10 x 1.5P	200	UM/ER20	E20
HSK-A 100 ER 20 250 AD	K10168150182543	100	ER 20	1.0-13	35	34	M10 x 1.5P	250	UM/ER20	E20
HSK-A 100 ER 20 300 AD	K10168150183543	100	ER 20	1.0-13	35	34	M10 x 1.5P	300	UM/ER20	E20
HSK-A 100 ER 20 350 AD	K10168150184543	100	ER 20	1.0-13	35	34	M10 x 1.5P	350	UM/ER20	E20
HSK-A 100 ER 20 400 AD	K10168150540543	100	ER 20	1.0-13	35	34	M10 x 1.5P	400	UM/ER20	E20
HSK-A 100 ER 25 200 AD	K10168151239543	100	ER 25	1.0-16	42	40	M16 x 2P	200	UM/ER25	E25
HSK-A 100 ER 25 250 AD	K10168151182543	100	ER 25	1.0-16	42	40	M16 x 2P	250	UM/ER25	E25
HSK-A 100 ER 25 300 AD	K10168151183543	100	ER 25	1.0-16	42	40	M16 x 2P	300	UM/ER25	E25
HSK-A 100 ER 25 350 AD	K10168151184543	100	ER 25	1.0-16	42	40	M16 x 2P	350	UM/ER25	E25
HSK-A 100 ER 25 400 AD	K10168151540543	100	ER 25	1.0-16	42	40	M16 x 2P	400	UM/ER25	E25
HSK-A 100 ER 32 200 AD	K10168152239543	100	ER 32	2.0-20	50	48	M16 x 2P	200	UM/ER32	E32
HSK-A 100 ER 32 250 AD	K10168152182543	100	ER 32	2.0-20	50	48	M16 x 2P	250	UM/ER32	E32
HSK-A 100 ER 32 300 AD	K10168152183543	100	ER 32	2.0-20	50	48	M16 x 2P	300	UM/ER32	E32
HSK-A 100 ER 32 350 AD	K10168152184543	100	ER 32	2.0-20	50	48	M16 x 2P	350	UM/ER32	E32
HSK-A 100 ER 32 400 AD	K10168152540543	100	ER 32	2.0-20	50	48	M16 x 2P	400	UM/ER32	E32
HSK-A 100 ER 40 200 AD	K10168153239543	100	ER 40	3.0-26	63	60	M16 x 2P	200	UM/ER40	E40
HSK-A 100 ER 40 250 AD	K10168153182543	100	ER 40	3.0-26	63	60	M16 x 2P	250	UM/ER40	E40
HSK-A 100 ER 40 300 AD	K10168153183543	100	ER 40	3.0-26	63	60	M16 x 2P	300	UM/ER40	E40
HSK-A 100 ER 40 350 AD	K10168153184543	100	ER 40	3.0-26	63	60	M16 x 2P	350	UM/ER40	E40
HSK-A 100 ER 40 400 AD	K10168153540543	100	ER 40	3.0-26	63	60	M16 x 2P	400	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



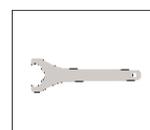
ER NUT



ER STOPPER SCREW



SEALING DISC



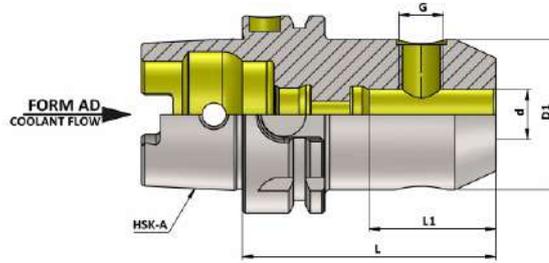
SPANNER E

Note: All Dimensions are in mm

HSK-A (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



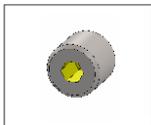
HSK-A (DIN 69893 - 1) (WE) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 32 WE06 060 2.5G 25000 SL	K10319669857209	32	6	25	M6	60	34	1
HSK-A 32 WE08 060 2.5G 25000 SL	K10319670857209	32	8	28	M8	60	34	1
HSK-A 32 WE10 065 2.5G 25000 SL	K10319674123209	32	10	35	M10	65	40	1
HSK-A 32 WE12 065 2.5G 25000 SL	K10319672123209	32	12	42	M12	65	46	1

HSK-A 40 WE06 060 2.5G 25000 SL	K10165669857209	40	6	25	M6	60	34	1
HSK-A 40 WE08 060 2.5G 25000 SL	K10165670857209	40	8	28	M8	60	34	1
HSK-A 40 WE10 060 2.5G 25000 SL	K10165674857209	40	10	35	M10	60	40	1
HSK-A 40 WE12 070 2.5G 25000 SL	K10165672125209	40	12	42	M12	70	46	1
HSK-A 40 WE16 075 2.5G 25000 SL	K10165632127209	40	16	48	M14	75	48	1

HSK-A 50 WE06 065 2.5G 25000 SL	K10166111123209	50	6	25	M6	65	34	1
HSK-A 50 WE08 065 2.5G 25000 SL	K10166112123209	50	8	28	M8	65	34	1
HSK-A 50 WE10 065 2.5G 25000 SL	K10166113123209	50	10	35	M10	65	40	1
HSK-A 50 WE12 080 2.5G 25000 SL	K10166114131209	50	12	42	M12	80	46	1
HSK-A 50 WE14 080 2.5G 25000 SL	K10166258131209	50	14	44	M12	80	46	1
HSK-A 50 WE16 080 2.5G 25000 SL	K10166115131209	50	16	48	M14	80	48	1
HSK-A 50 WE18 080 2.5G 25000 SL	K10166259131209	50	18	50	M14	80	48	1
HSK-A 50 WE20 080 2.5G 25000 SL	K10166116131209	50	20	52	M16	80	52	1

Accessories:



LOCKING SCREW WN

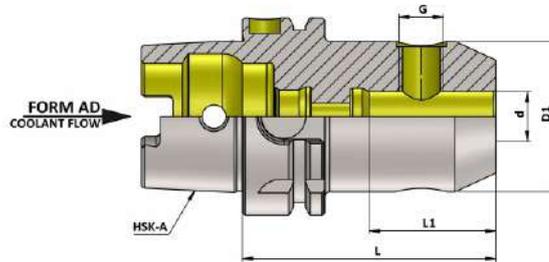
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-A (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)

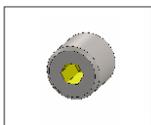


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) (WE)			(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 63 WE06 065 2.5G 25000 SL	K10167111123209	63	6	25	M6	65	34	1
HSK-A 63 WE06 100 2.5G 25000 SL	K10167111148209	63	6	25	M6	100	34	1
HSK-A 63 WE06 130 2.5G 25000 SL	K10316669165209	63	6	25	M6	130	34	1
HSK-A 63 WE06 160 2.5G 25000 SL	K10167111175209	63	6	25	M6	160	34	1
HSK-A 63 WE08 065 2.5G 25000 SL	K10167112123209	63	8	28	M8	65	34	1
HSK-A 63 WE08 100 2.5G 25000 SL	K10167112148209	63	8	28	M8	100	34	1
HSK-A 63 WE08 130 2.5G 25000 SL	K10316670165209	63	8	28	M8	130	34	1
HSK-A 63 WE08 160 2.5G 25000 SL	K10167112175209	63	8	28	M8	160	34	1
HSK-A 63 WE10 065 2.5G 25000 SL	K10167113123209	63	10	35	M10	65	40	1
HSK-A 63 WE10 100 2.5G 25000 SL	K10167113148209	63	10	35	M10	100	40	1
HSK-A 63 WE10 130 2.5G 25000 SL	K10316674165209	63	10	35	M10	130	40	1
HSK-A 63 WE10 160 2.5G 25000 SL	K10167113175209	63	10	35	M10	160	40	1
HSK-A 63 WE12 080 2.5G 25000 SL	K10167114131209	63	12	42	M12	80	46	1
HSK-A 63 WE12 100 2.5G 25000 SL	K10167114148209	63	12	42	M12	100	46	1
HSK-A 63 WE12 130 2.5G 25000 SL	K10316672165209	63	12	42	M12	130	46	1
HSK-A 63 WE12 160 2.5G 25000 SL	K10167114175209	63	12	42	M12	160	46	1
HSK-A 63 WE14 080 2.5G 25000 SL	K10167258131209	63	14	44	M12	80	46	1
HSK-A 63 WE14 100 2.5G 25000 SL	K10167258148209	63	14	44	M12	100	46	1
HSK-A 63 WE14 130 2.5G 25000 SL	K10316675165209	63	14	44	M12	130	46	1
HSK-A 63 WE14 160 2.5G 25000 SL	K10167258175209	63	14	44	M12	160	46	1
HSK-A 63 WE16 080 2.5G 25000 SL	K10167115131209	63	16	48	M14	80	48	1
HSK-A 63 WE16 100 2.5G 25000 SL	K10167115148209	63	16	48	M14	100	48	1
HSK-A 63 WE16 130 2.5G 25000 SL	K10316632165209	63	16	48	M14	130	48	1
HSK-A 63 WE16 160 2.5G 25000 SL	K10167115175209	63	16	48	M14	160	48	1
HSK-A 63 WE18 080 2.5G 25000 SL	K10167259131209	63	18	50	M14	80	48	1
HSK-A 63 WE18 100 2.5G 25000 SL	K10167259148209	63	18	50	M14	100	48	1
HSK-A 63 WE18 130 2.5G 25000 SL	K10316676165209	63	18	50	M14	130	48	1
HSK-A 63 WE18 160 2.5G 25000 SL	K10167259175209	63	18	50	M14	160	48	1

Accessories:



LOCKING SCREW WN

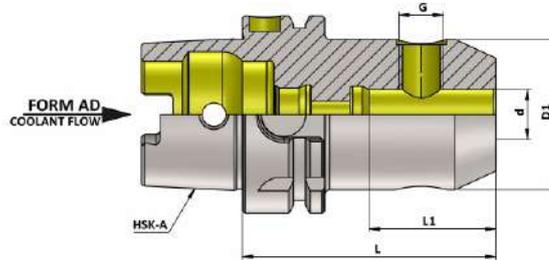
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-A (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

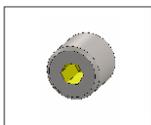


HSK-A (DIN 69893 - 1) (WE) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 63 WE20 080 2.5G 25000 SL	K10167116131209	63	20	52	M16	80	52	1
HSK-A 63 WE20 100 2.5G 25000 SL	K10167116148209	63	20	52	M16	100	52	1
HSK-A 63 WE20 130 2.5G 25000 SL	K10316633165209	63	20	52	M16	130	52	1
HSK-A 63 WE20 160 2.5G 25000 SL	K10167116175209	63	20	52	M16	160	52	1
HSK-A 63 WE25 110 2.5G 25000 SL	K10167117156209	63	25	65	M18X2	110	56	2
HSK-A 63 WE25 160 2.5G 25000 SL	K10167117175209	63	25	65	M18X2	160	56	2
HSK-A 63 WE32 110 2.5G 25000 SL	K10167118156209	63	32	72	M20X2	110	60	2
HSK-A 63 WE32 160 2.5G 25000 SL	K10167118175209	63	32	72	M20X2	160	60	2
HSK-A 63 WE40 125 2.5G 25000 SL	K10167119164209	63	40	80	M20X2	125	70	2
HSK-A 63 WE40 160 2.5G 25000 SL	K10167119175209	63	40	80	M20X2	160	70	2

HSK-A 80 WE06 080 2.5G 25000 SL	K10320669131209	80	6	25	M6	80	34	1
HSK-A 80 WE08 080 2.5G 25000 SL	K10320670131209	80	8	28	M8	80	34	1
HSK-A 80 WE10 080 2.5G 25000 SL	K10320674131209	80	10	35	M10	80	40	1
HSK-A 80 WE12 080 2.5G 25000 SL	K10320672131209	80	12	42	M12	80	46	1
HSK-A 80 WE14 080 2.5G 25000 SL	K10320675131209	80	14	44	M12	80	46	1
HSK-A 80 WE16 100 2.5G 25000 SL	K10320632148209	80	16	48	M14	100	48	1
HSK-A 80 WE18 100 2.5G 25000 SL	K10320676148209	80	18	50	M14	100	48	1
HSK-A 80 WE20 100 2.5G 25000 SL	K10320633148209	80	20	52	M16	100	52	1
HSK-A 80 WE25 100 2.5G 25000 SL	K10320673148209	80	25	65	M18X2	100	56	2
HSK-A 80 WE32 110 2.5G 25000 SL	K10320677156209	80	32	72	M20X2	110	60	2

Accessories:



LOCKING SCREW WN

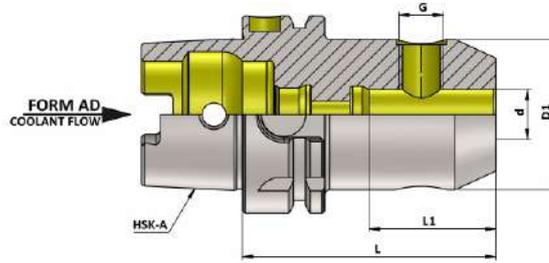
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-A (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)

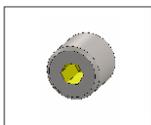


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) (WE)			(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 100 WE06 080 2.5G 25000 SL	K10168111131209	100	6	25	M6	80	34	1
HSK-A 100 WE06 130 2.5G 25000 SL	K10168669165209	100	6	25	M6	130	34	1
HSK-A 100 WE06 160 2.5G 25000 SL	K10168111175209	100	6	25	M6	160	34	1
HSK-A 100 WE08 080 2.5G 25000 SL	K10168112131209	100	8	28	M8	80	34	1
HSK-A 100 WE08 130 2.5G 25000 SL	K10168670165209	100	8	28	M8	130	34	1
HSK-A 100 WE08 160 2.5G 25000 SL	K10168112175209	100	8	28	M8	160	34	1
HSK-A 100 WE10 080 2.5G 25000 SL	K10168113131209	100	10	35	M10	80	40	1
HSK-A 100 WE10 130 2.5G 25000 SL	K10168674165209	100	10	35	M10	130	40	1
HSK-A 100 WE10 160 2.5G 25000 SL	K10168113175209	100	10	35	M10	160	40	1
HSK-A 100 WE12 100 2.5G 25000 SL	K10168114148209	100	12	42	M12	100	46	1
HSK-A 100 WE12 130 2.5G 25000 SL	K10168672165209	100	12	42	M12	130	46	1
HSK-A 100 WE12 160 2.5G 25000 SL	K10168114175209	100	12	42	M12	160	46	1
HSK-A 100 WE14 100 2.5G 25000 SL	K10168258148209	100	14	44	M12	100	46	1
HSK-A 100 WE14 130 2.5G 25000 SL	K10168675165209	100	14	44	M12	130	46	1
HSK-A 100 WE14 160 2.5G 25000 SL	K10168258175209	100	14	44	M12	160	46	1
HSK-A 100 WE16 100 2.5G 25000 SL	K10168115148209	100	16	48	M14	100	48	1
HSK-A 100 WE16 130 2.5G 25000 SL	K10168632165209	100	16	48	M14	130	48	1
HSK-A 100 WE16 160 2.5G 25000 SL	K10168115175209	100	16	48	M14	160	48	1
HSK-A 100 WE18 100 2.5G 25000 SL	K10168259148209	100	18	50	M14	100	48	1
HSK-A 100 WE18 130 2.5G 25000 SL	K10168676165209	100	18	50	M14	130	48	1
HSK-A 100 WE18 160 2.5G 25000 SL	K10168259175209	100	18	50	M14	160	48	1
HSK-A 100 WE20 100 2.5G 25000 SL	K10168116148209	100	20	52	M16	100	52	1
HSK-A 100 WE20 130 2.5G 25000 SL	K10168633165209	100	20	52	M16	130	52	1
HSK-A 100 WE20 160 2.5G 25000 SL	K10168116175209	100	20	52	M16	160	52	1

Accessories:



LOCKING SCREW WN

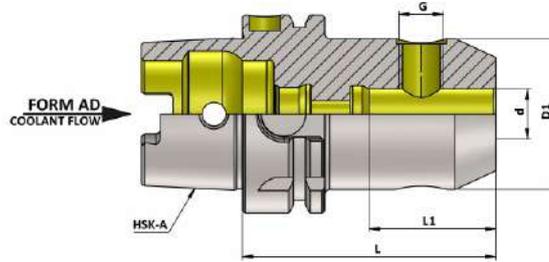
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-A (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)

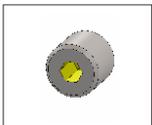


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893 - 1) (WE)			(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty	
HSK-A 100 WE25 100 2.5G 25000 SL	K10168117148209	100	25	65	M18X2	100	56	2	
HSK-A 100 WE25 130 2.5G 25000 SL	K10168673165209	100	25	65	M18X2	130	56	2	
HSK-A 100 WE25 160 2.5G 25000 SL	K10168117175209	100	25	65	M18X2	160	56	2	
HSK-A 100 WE32 120 2.5G 25000 SL	K10168118162209	100	32	72	M20X2	120	60	2	
HSK-A 100 WE32 130 2.5G 25000 SL	K10168677165209	100	32	72	M20X2	130	60	2	
HSK-A 100 WE32 160 2.5G 25000 SL	K10168118175209	100	32	72	M20X2	160	60	2	
HSK-A 100 WE40 120 2.5G 25000 SL	K10168119162209	100	40	80	M20X2	120	70	2	
HSK-A 100 WE40 130 2.5G 25000 SL	K10168678165209	100	40	80	M20X2	130	70	2	
HSK-A 100 WE40 160 2.5G 25000 SL	K10168678175209	100	40	80	M20X2	160	70	2	
HSK-A 100 WE50 130 2.5G 25000 SL	K10168120165209	100	50	100	M24X2	130	80	2	

Accessories:



LOCKING SCREW WN

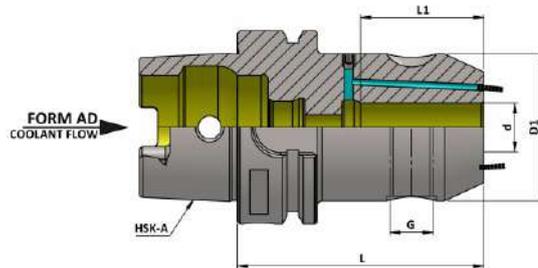
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK A (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



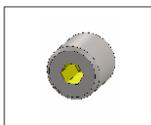
HSK A (DIN 69893 - 1) (WE : FCC) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 32 WE06 060 FCC 2.5G 25000 SL	K10319669857256	32	6	25	M6	60	34	1
HSK-A 32 WE08 060 FCC 2.5G 25000 SL	K10319670857256	32	8	28	M8	60	34	1
HSK-A 32 WE10 065 FCC 2.5G 25000 SL	K10319674857256	32	10	35	M10	65	40	1
HSK-A 32 WE12 065 FCC 2.5G 25000 SL	K10319672123256	32	12	42	M12	65	46	1

HSK-A 40 WE06 060 FCC 2.5G 25000 SL	K10165669857256	40	6	25	M6	60	34	1
HSK-A 40 WE08 060 FCC 2.5G 25000 SL	K10165670857256	40	8	28	M8	60	34	1
HSK-A 40 WE10 060 FCC 2.5G 25000 SL	K10165674857256	40	10	35	M10	60	40	1
HSK-A 40 WE12 070 FCC 2.5G 25000 SL	K10165672125256	40	12	42	M12	70	46	1
HSK-A 40 WE16 075 FCC 2.5G 25000 SL	K10165632127256	40	16	48	M14	75	48	1

HSK-A 50 WE06 065 FCC 2.5G 25000 SL	K10306111123256	50	6	25	M6	65	34	1
HSK-A 50 WE08 065 FCC 2.5G 25000 SL	K10306112123256	50	8	28	M8	65	34	1
HSK-A 50 WE10 065 FCC 2.5G 25000 SL	K10306113123256	50	10	35	M10	65	40	1
HSK-A 50 WE12 080 FCC 2.5G 25000 SL	K10306114131256	50	12	42	M12	80	46	1
HSK-A 50 WE14 080 FCC 2.5G 25000 SL	K10306258131256	50	14	44	M12	80	46	1
HSK-A 50 WE16 080 FCC 2.5G 25000 SL	K10306115131256	50	16	48	M14	80	48	1
HSK-A 50 WE18 080 FCC 2.5G 25000 SL	K10306259131256	50	18	50	M14	80	48	1
HSK-A 50 WE20 080 FCC 2.5G 25000 SL	K10306116131256	50	20	52	M16	80	52	1

Accessories:



LOCKING SCREW WN

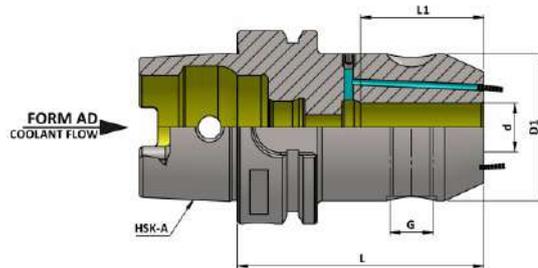
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK A (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)

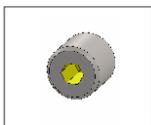


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK A (DIN 69893 - 1) (WE : FCC)			(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 63 WE06 065 FCC 2.5G 25000 SL	K10305111123264	63	6	25	M6	65	34	1
HSK-A 63 WE06 100 FCC 2.5G 25000 SL	K10305111148264	63	6	25	M6	100	34	1
HSK-A 63 WE06 130 FCC 2.5G 25000 SL	K10316669165256	63	6	25	M6	130	34	1
HSK-A 63 WE06 160 FCC 2.5G 25000 SL	K10305111175264	63	6	25	M6	160	34	1
HSK-A 63 WE08 065 FCC 2.5G 25000 SL	K10305112123264	63	8	28	M8	65	34	1
HSK-A 63 WE08 100 FCC 2.5G 25000 SL	K10305112148264	63	8	28	M8	100	34	1
HSK-A 63 WE08 130 FCC 2.5G 25000 SL	K10316670165256	63	8	28	M8	130	34	1
HSK-A 63 WE08 160 FCC 2.5G 25000 SL	K10305112175264	63	8	28	M8	160	34	1
HSK-A 63 WE10 065 FCC 2.5G 25000 SL	K10305113123264	63	10	35	M10	65	40	1
HSK-A 63 WE10 100 FCC 2.5G 25000 SL	K10305113148264	63	10	35	M10	100	40	1
HSK-A 63 WE10 130 FCC 2.5G 25000 SL	K10316674165256	63	10	35	M10	130	40	1
HSK-A 63 WE10 160 FCC 2.5G 25000 SL	K10305113175264	63	10	35	M10	160	40	1
HSK-A 63 WE12 080 FCC 2.5G 25000 SL	K10305114131264	63	12	42	M12	80	46	1
HSK-A 63 WE12 100 FCC 2.5G 25000 SL	K10305114148264	63	12	42	M12	100	46	1
HSK-A 63 WE12 130 FCC 2.5G 25000 SL	K10316672165256	63	12	42	M12	130	46	1
HSK-A 63 WE12 160 FCC 2.5G 25000 SL	K10305114175264	63	12	42	M12	160	46	1
HSK-A 63 WE14 080 FCC 2.5G 25000 SL	K10305258131264	63	14	44	M12	80	46	1
HSK-A 63 WE14 100 FCC 2.5G 25000 SL	K10305258148264	63	14	44	M12	100	46	1
HSK-A 63 WE14 130 FCC 2.5G 25000 SL	K10316675165256	63	14	44	M12	130	46	1
HSK-A 63 WE14 160 FCC 2.5G 25000 SL	K10305258175264	63	14	44	M12	160	46	1
HSK-A 63 WE16 080 FCC 2.5G 25000 SL	K10305115131264	63	16	48	M14	80	48	1
HSK-A 63 WE16 100 FCC 2.5G 25000 SL	K10305115148264	63	16	48	M14	100	48	1
HSK-A 63 WE16 130 FCC 2.5G 25000 SL	K10316632165256	63	16	48	M14	130	48	1
HSK-A 63 WE16 160 FCC 2.5G 25000 SL	K10305115175264	63	16	48	M14	160	48	1

Accessories:



LOCKING SCREW WN

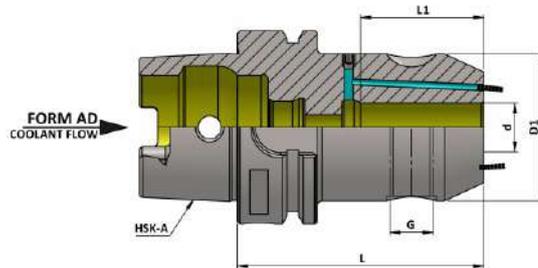
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK A (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied

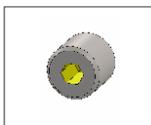


HSK A (DIN 69893 - 1) (WE : FCC) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 63 WE18 080 FCC 2.5G 25000 SL	K10305259131264	63	18	50	M14	80	48	1
HSK-A 63 WE18 100 FCC 2.5G 25000 SL	K10305259148264	63	18	50	M14	100	48	1
HSK-A 63 WE18 130 FCC 2.5G 25000 SL	K10316676165256	63	18	50	M14	130	48	1
HSK-A 63 WE18 160 FCC 2.5G 25000 SL	K10305259175264	63	18	50	M14	160	48	1
HSK-A 63 WE20 080 FCC 2.5G 25000 SL	K10305116131264	63	20	52	M16	80	52	1
HSK-A 63 WE20 100 FCC 2.5G 25000 SL	K10305116148264	63	20	52	M16	100	52	1
HSK-A 63 WE20 130 FCC 2.5G 25000 SL	K10316633165256	63	20	52	M16	130	52	1
HSK-A 63 WE20 160 FCC 2.5G 25000 SL	K10305116175264	63	20	52	M16	160	52	1
HSK-A 63 WE25 110 FCC 2.5G 25000 SL	K10305117156264	63	25	65	M18X2	110	56	2
HSK-A 63 WE25 160 FCC 2.5G 25000 SL	K10305117175264	63	25	65	M18X2	160	56	2
HSK-A 63 WE32 110 FCC 2.5G 25000 SL	K10305118156264	63	32	72	M20X2	110	60	2
HSK-A 63 WE32 160 FCC 2.5G 25000 SL	K10305118175264	63	32	72	M20X2	160	60	2
HSK-A 63 WE40 125 FCC 2.5G 25000 SL	K10305119164264	63	40	80	M20X2	125	70	2
HSK-A 63 WE40 160 FCC 2.5G 25000 SL	K10305119175264	63	40	80	M20X2	160	70	2

HSK-A 80 WE06 080 FCC 2.5G 25000 SL	K10320669131256	80	6	25	M6	80	34	1
HSK-A 80 WE08 080 FCC 2.5G 25000 SL	K10320670131256	80	8	28	M8	80	34	1
HSK-A 80 WE10 080 FCC 2.5G 25000 SL	K10320674131256	80	10	35	M10	80	40	1
HSK-A 80 WE12 080 FCC 2.5G 25000 SL	K10320672131256	80	12	42	M12	80	46	1
HSK-A 80 WE14 080 FCC 2.5G 25000 SL	K10320675131256	80	14	44	M12	80	46	1
HSK-A 80 WE16 100 FCC 2.5G 25000 SL	K10320632148256	80	16	48	M14	100	48	1
HSK-A 80 WE18 100 FCC 2.5G 25000 SL	K10320676148256	80	18	50	M14	100	48	1
HSK-A 80 WE20 100 FCC 2.5G 25000 SL	K10320633148256	80	20	52	M16	100	52	1
HSK-A 80 WE25 100 FCC 2.5G 25000 SL	K10320673148256	80	25	65	M18X2	100	56	2
HSK-A 80 WE32 110 FCC 2.5G 25000 SL	K10320677156256	80	32	72	M20X2	110	60	2

Accessories:



LOCKING SCREW WN

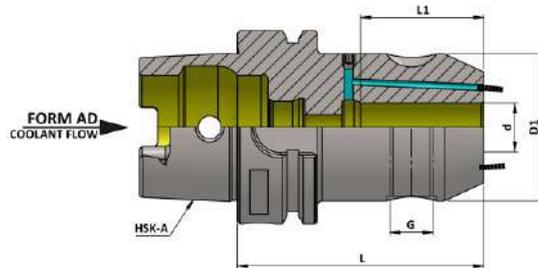
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK A (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)

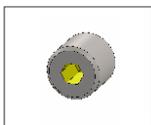


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK A (DIN 69893 - 1) (WE : FCC)			(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty
HSK-A 100 WE06 080 FCC 2.5G 25000 SL	K10168111131264	100	6	25	M6	80	34	1
HSK-A 100 WE06 130 FCC 2.5G 25000 SL	K10168669165256	100	6	25	M6	130	34	1
HSK-A 100 WE06 160 FCC 2.5G 25000 SL	K10168111175264	100	6	25	M6	160	34	1
HSK-A 100 WE08 080 FCC 2.5G 25000 SL	K10168112131264	100	8	28	M8	80	34	1
HSK-A 100 WE08 130 FCC 2.5G 25000 SL	K10168670165256	100	8	28	M8	130	34	1
HSK-A 100 WE08 160 FCC 2.5G 25000 SL	K10168112175264	100	8	28	M8	160	34	1
HSK-A 100 WE10 080 FCC 2.5G 25000 SL	K10168113131264	100	10	35	M10	80	40	1
HSK-A 100 WE10 130 FCC 2.5G 25000 SL	K10168674165256	100	10	35	M10	130	40	1
HSK-A 100 WE10 160 FCC 2.5G 25000 SL	K10168113175264	100	10	35	M10	160	40	1
HSK-A 100 WE12 100 FCC 2.5G 25000 SL	K10168114148264	100	12	42	M12	100	46	1
HSK-A 100 WE12 130 FCC 2.5G 25000 SL	K10168672165256	100	12	42	M12	130	46	1
HSK-A 100 WE12 160 FCC 2.5G 25000 SL	K10168114175264	100	12	42	M12	160	46	1
HSK-A 100 WE14 100 FCC 2.5G 25000 SL	K10168258148264	100	14	44	M12	100	46	1
HSK-A 100 WE14 130 FCC 2.5G 25000 SL	K10168675165256	100	14	44	M12	130	46	1
HSK-A 100 WE14 160 FCC 2.5G 25000 SL	K10168258175264	100	14	44	M12	160	46	1
HSK-A 100 WE16 100 FCC 2.5G 25000 SL	K10168115148264	100	16	48	M14	100	48	1
HSK-A 100 WE16 130 FCC 2.5G 25000 SL	K10168632165256	100	16	48	M14	130	48	1
HSK-A 100 WE16 160 FCC 2.5G 25000 SL	K10168115175264	100	16	48	M14	160	48	1
HSK-A 100 WE18 100 FCC 2.5G 25000 SL	K10168259148264	100	18	50	M14	100	48	1
HSK-A 100 WE18 130 FCC 2.5G 25000 SL	K10168676165256	100	18	50	M14	130	48	1
HSK-A 100 WE18 160 FCC 2.5G 25000 SL	K10168259175264	100	18	50	M14	160	48	1
HSK-A 100 WE20 100 FCC 2.5G 25000 SL	K10168116148264	100	20	52	M16	100	52	1
HSK-A 100 WE20 130 FCC 2.5G 25000 SL	K10168633165256	100	20	52	M16	130	52	1
HSK-A 100 WE20 160 FCC 2.5G 25000 SL	K10168116175264	100	20	52	M16	160	52	1
HSK-A 100 WE25 100 FCC 2.5G 25000 SL	K10168117148264	100	25	65	M18X2	100	56	2
HSK-A 100 WE25 130 FCC 2.5G 25000 SL	K10168673165256	100	25	65	M18X2	130	56	2
HSK-A 100 WE25 160 FCC 2.5G 25000 SL	K10168117175264	100	25	65	M18X2	160	56	2

Accessories:



LOCKING SCREW WN

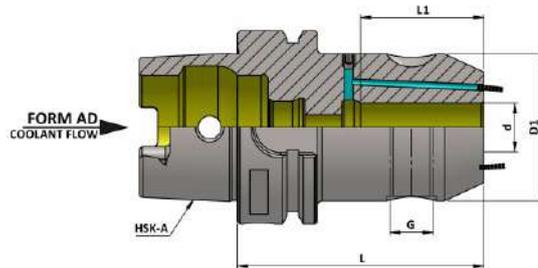
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK A (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)

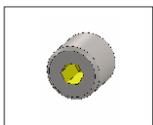


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK A (DIN 69893 - 1) (WE : FCC)				(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-A	d	D1	G	L	L1	Screw Qty	
HSK-A 100 WE32 120 FCC 2.5G 25000 SL	K10168118162264	100	32	72	M20X2	120	60	2	
HSK-A 100 WE32 130 FCC 2.5G 25000 SL	K10168677165256	100	32	72	M20X2	130	60	2	
HSK-A 100 WE32 160 FCC 2.5G 25000 SL	K10168118175264	100	32	72	M20X2	160	60	2	
HSK-A 100 WE40 120 FCC 2.5G 25000 SL	K10168119162264	100	40	80	M20X2	120	70	2	
HSK-A 100 WE40 130 FCC 2.5G 25000 SL	K10168678165301	100	40	80	M20X2	130	70	2	
HSK-A 100 WE40 160 FCC 2.5G 25000 SL	K10168678165256	100	40	80	M20X2	160	70	2	
HSK-A 100 WE50 130 FCC 2.5G 25000 SL	K10168120165264	100	50	100	M24X2	130	80	2	

Accessories:



LOCKING SCREW WN

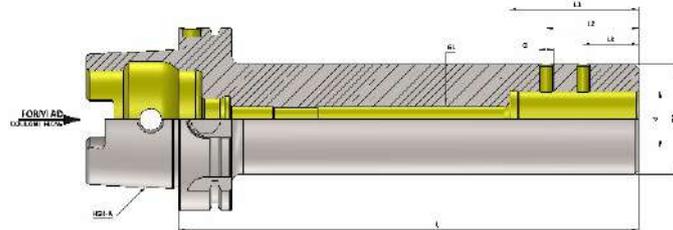
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)



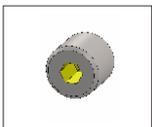
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)

ITEM NAME	ITEM CODE	HSK-A	d	D1	G	G1	L	L1 (ID)	L2(2nd Tap)	L3(1st Tap)	SCREW QTY.
HSK-A 63 SLA16 200 AD	K10316105239543	63	16	48	M14	M12	200	57	-	23.50	1
HSK-A 63 SLA16 250 AD	K10316105182543	63	16	48	M14	M12	250	57	-	23.50	1
HSK-A 63 SLA16 300 AD	K10316105183543	63	16	48	M14	M12	300	57	-	23.50	1
HSK-A 63 SLA20 200 AD	K10316106239543	63	20	50	M10	M16	200	70	45	25	2
HSK-A 63 SLA20 250 AD	K10316106182543	63	20	50	M10	M16	250	70	45	25	2
HSK-A 63 SLA20 300 AD	K10316106183543	63	20	50	M10	M16	300	70	45	25	2
HSK-A 63 SLA25 200 AD	K10316107239543	63	25	50	M10	M16	200	70	45	25	2
HSK-A 63 SLA25 250 AD	K10316107182543	63	25	50	M10	M16	250	70	45	25	2
HSK-A 63 SLA25 300 AD	K10316107183543	63	25	50	M10	M16	300	70	45	25	2
HSK-A 63 SLA32 200 AD	K10316108239543	63	32	60	M10	M16	200	70	50	30	2
HSK-A 63 SLA32 250 AD	K10316108182543	63	32	60	M10	M16	250	70	50	30	2
HSK-A 63 SLA32 300 AD	K10316108183543	63	32	60	M10	M16	300	70	50	30	2
HSK-A 63 SLA40 200 AD	K10316109239543	63	40	60	M10	M16	200	70	50	30	2
HSK-A 63 SLA40 250 AD	K10316109182543	63	40	60	M10	M16	250	70	50	30	2
HSK-A 63 SLA40 300 AD	K10316109183543	63	40	60	M10	M16	300	70	50	30	2

Accessories:



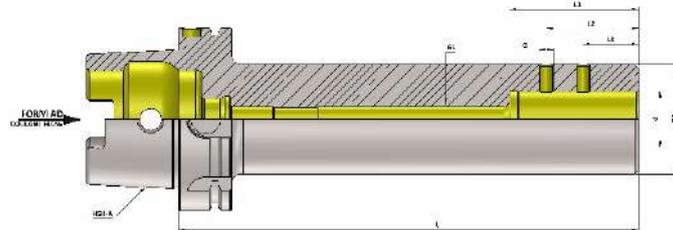
LOCKING SCREW SLA

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)

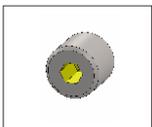


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)												
ITEM NAME	ITEM CODE	HSK-A	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st Tap)	SCREW QTY.	
HSK-A 63 SLA5/8" 200 AD	K10316989239543	63	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1	
HSK-A 63 SLA5/8" 250 AD	K10316989182543	63	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1	
HSK-A 63 SLA5/8" 300 AD	K10316989183543	63	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1	
HSK-A 63 SLA3/4" 200 AD	K10316990239543	63	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1	
HSK-A 63 SLA3/4" 250 AD	K10316990182543	63	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1	
HSK-A 63 SLA3/4" 300 AD	K10316990183543	63	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1	
HSK-A 63 SLA1.0" 200 AD	K10316991239543	63	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
HSK-A 63 SLA1.0" 250 AD	K10316991182543	63	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
HSK-A 63 SLA1.0" 300 AD	K10316991183543	63	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/4" 200 AD	K10316992239543	63	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/4" 250 AD	K10316992182543	63	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/4" 300 AD	K10316992183543	63	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/2" 200 AD	K10316993239543	63	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/2" 250 AD	K10316993182543	63	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2	
HSK-A 63 SLA1 1/2" 300 AD	K10316993183543	63	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2	

Accessories:



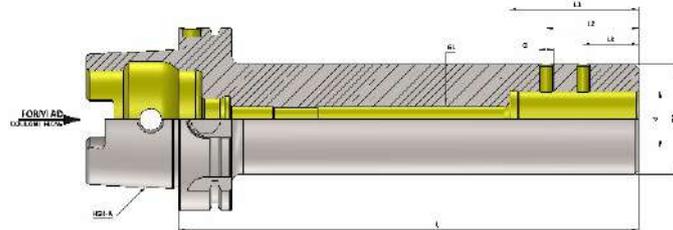
LOCKING SCREW SLA

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)

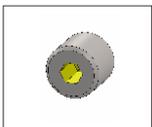


Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)											
ITEM NAME	ITEM CODE	HSK-A	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st Tap)	SCREW QTY.
HSK-A 100 SLA16 200 AD	K10168105239543	100	16	48	M14	M12	200	57	-	23.50	1
HSK-A 100 SLA16 250 AD	K10168105182543	100	16	48	M14	M12	250	57	-	23.50	1
HSK-A 100 SLA16 300 AD	K10168105183543	100	16	48	M14	M12	300	57	-	23.50	1
HSK-A 100 SLA16 350 AD	K10168105184543	100	16	48	M14	M12	350	57	-	23.50	1
HSK-A 100 SLA16 400 AD	K10168105540543	100	16	48	M14	M12	400	57	-	23.50	1
HSK-A 100 SLA20 200 AD	K10168106239543	100	20	50	M10	M16	200	70	45	25	2
HSK-A 100 SLA20 250 AD	K10168106182543	100	20	50	M10	M16	250	70	45	25	2
HSK-A 100 SLA20 300 AD	K10168106183543	100	20	50	M10	M16	300	70	45	25	2
HSK-A 100 SLA20 350 AD	K10168106184543	100	20	50	M10	M16	350	70	45	25	2
HSK-A 100 SLA20 400 AD	K10168106540543	100	20	50	M10	M16	400	70	45	25	2
HSK-A 100 SLA25 200 AD	K10168107239543	100	25	50	M10	M16	200	70	45	25	2
HSK-A 100 SLA25 250 AD	K10168107182543	100	25	50	M10	M16	250	70	45	25	2
HSK-A 100 SLA25 300 AD	K10168107183543	100	25	50	M10	M16	300	70	45	25	2
HSK-A 100 SLA25 350 AD	K10168107184543	100	25	50	M10	M16	350	70	45	25	2
HSK-A 100 SLA25 400 AD	K10168107540543	100	25	50	M10	M16	400	70	45	25	2
HSK-A 100 SLA32 200 AD	K10168108239543	100	32	60	M10	M16	200	70	50	30	2
HSK-A 100 SLA32 250 AD	K10168108182543	100	32	60	M10	M16	250	70	50	30	2
HSK-A 100 SLA32 300 AD	K10168108183543	100	32	60	M10	M16	300	70	50	30	2
HSK-A 100 SLA32 350 AD	K10168108184543	100	32	60	M10	M16	350	70	50	30	2
HSK-A 100 SLA32 400 AD	K10168108540543	100	32	60	M10	M16	400	70	50	30	2
HSK-A 100 SLA40 200 AD	K10168109239543	100	40	60	M10	M16	200	70	50	30	2
HSK-A 100 SLA40 250 AD	K10168109182543	100	40	60	M10	M16	250	70	50	30	2
HSK-A 100 SLA40 300 AD	K10168109183543	100	40	60	M10	M16	300	70	50	30	2
HSK-A 100 SLA40 350 AD	K10168109184543	100	40	60	M10	M16	350	70	50	30	2
HSK-A 100 SLA40 400 AD	K10168109540543	100	40	60	M10	M16	400	70	50	30	2

Accessories:



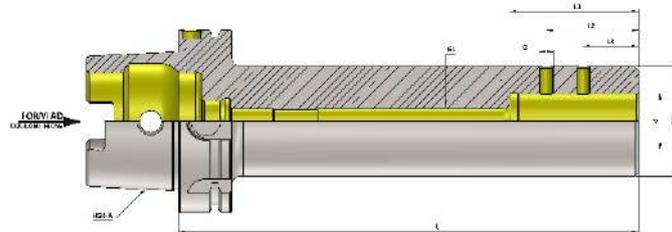
LOCKING SCREW SLA

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)



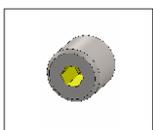
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



HSK-A (DIN 69893 - 1) Side Lock Adaptor Long Series (SLA) (AD)

ITEM NAME	ITEM CODE	HSK-A	d	D1	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st Tap)	SCREW QTY.
HSK-A 100 SLA5/8" 200 AD	K10168989239543	100	5/8"	48	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1
HSK-A 100 SLA5/8" 250 AD	K10168989182543	100	5/8"	48	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1
HSK-A 100 SLA5/8" 300 AD	K10168989183543	100	5/8"	48	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1
HSK-A 100 SLA5/8" 350 AD	K10168989184543	100	5/8"	48	1/2"20UNFx7/16"	M12	350	57	-	0.937"	1
HSK-A 100 SLA5/8" 400 AD	K10168989540543	100	5/8"	48	1/2"20UNFx7/16"	M12	400	57	-	0.937"	1
HSK-A 100 SLA3/4" 200 AD	K10168990239543	100	3/4"	50	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1
HSK-A 100 SLA3/4" 250 AD	K10168990182543	100	3/4"	50	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1
HSK-A 100 SLA3/4" 300 AD	K10168990183543	100	3/4"	50	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1
HSK-A 100 SLA3/4" 350 AD	K10168990184543	100	3/4"	50	5/8"18UNFx1/2"	M16	350	59	-	1.00"	1
HSK-A 100 SLA3/4" 400 AD	K10168990540543	100	3/4"	50	5/8"18UNFx1/2"	M16	400	59	-	1.00"	1
HSK-A 100 SLA1.0" 200 AD	K10168991239543	100	1.0"	50	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
HSK-A 100 SLA1.0" 250 AD	K10168991182543	100	1.0"	50	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
HSK-A 100 SLA1.0" 300 AD	K10168991183543	100	1.0"	50	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
HSK-A 100 SLA1.0" 350 AD	K10305991184543	100	1.0"	50	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
HSK-A 100 SLA1.0" 400 AD	K10305991540543	100	1.0"	50	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/4" 200 AD	K10305992239543	100	1-1/4"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/4" 250 AD	K10305992182543	100	1-1/4"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/4" 300 AD	K10168992183543	100	1-1/4"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/4" 350 AD	K10168992184543	100	1-1/4"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/4" 400 AD	K10168992540543	100	1-1/4"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/2" 200 AD	K10168993239543	100	1-1/2"	60	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/2" 250 AD	K10168993182543	100	1-1/2"	60	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/2" 300 AD	K10168993183543	100	1-1/2"	60	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/2" 350 AD	K10168993184543	100	1-1/2"	60	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
HSK-A 100 SLA1 1/2" 400 AD	K10168993540543	100	1-1/2"	60	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2

Accessories:



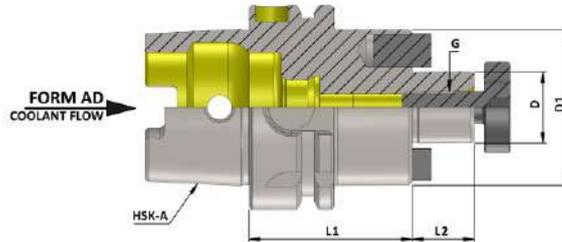
LOCKING SCREW SLA

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (DIN 6357) FMH



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



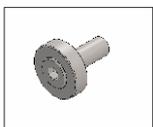
HSK-A (DIN 69893-1) FMH (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	G
HSK-A 50 FMH16 050 2.5G 25000 SL SP.S	K10166126111236	50	16	38	50	17	M8 X 1.25P
HSK-A 50 FMH22 060 2.5G 25000 SL SP.S	K10166127117236	50	22	48	60	19	M10 X 1.5P
HSK-A 50 FMH27 060 2.5G 25000 SL SP.S	K10166128117236	50	27	58	60	21	M12 X 1.75P
HSK-A 50 FMH32 060 2.5G 25000 SL SP.S	K10166129117236	50	32	78	60	24	M16 X 2P

HSK-A 50 FMH 1.0" 060 2.5G 25000 SL	K10306616857209	50	1.0"	2.375"	60	0.687"	1/2" - 20 UNF - 2B x 1 1/4"
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HSK-A 63 FMH16 045 2.5G 25000 SL SP.S	K10167126108236	63	16	38	45	17	M8 X 1.25P
HSK-A 63 FMH16 100 2.5G 25000 SL SP.S	K10167126148236	63	16	38	100	17	M8 X 1.25P
HSK-A 63 FMH16 130 2.5G 25000 SL SP.S	K10305126165236	63	16	38	130	17	M8 X 1.25P
HSK-A 63 FMH16 160 2.5G 25000 SL SP.S	K10167126175236	63	16	38	160	17	M8 X 1.25P
HSK-A 63 FMH22 050 2.5G 25000 SL SP.S	K10167127111236	63	22	48	50	19	M10 X 1.5P
HSK-A 63 FMH22 100 2.5G 25000 SL SP.S	K10167127148236	63	22	48	100	19	M10 X 1.5P
HSK-A 63 FMH22 130 2.5G 25000 SL SP.S	K10305127165236	63	22	48	130	19	M10 X 1.5P
HSK-A 63 FMH22 160 2.5G 25000 SL SP.S	K10167127175236	63	22	48	160	19	M10 X 1.5P
HSK-A 63 FMH27 055 2.5G 25000 SL SP.S	K10167128115236	63	27	58	55	21	M12 X 1.75P
HSK-A 63 FMH27 100 2.5G 25000 SL SP.S	K10167128148236	63	27	58	100	21	M12 X 1.75P
HSK-A 63 FMH27 130 2.5G 25000 SL SP.S	K10305128165236	63	27	58	130	21	M12 X 1.75P
HSK-A 63 FMH27 160 2.5G 25000 SL SP.S	K10167128175236	63	27	58	160	21	M12 X 1.75P
HSK-A 63 FMH32 060 2.5G 25000 SL SP.S	K10167129117236	63	32	78	60	24	M16 X 2P
HSK-A 63 FMH32 100 2.5G 25000 SL SP.S	K10167129148236	63	32	78	100	24	M16 X 2P
HSK-A 63 FMH32 130 2.5G 25000 SL SP.S	K10305129165236	63	32	78	130	24	M16 X 2P
HSK-A 63 FMH32 160 2.5G 25000 SL SP.S	K10167129175236	63	32	78	160	24	M16 X 2P
HSK-A 63 FMH40 065 2.5G 25000 SL SP.S	K10167130123236	63	40	88	65	27	M20 X 2.5P
HSK-A 63 FMH40 100 2.5G 25000 SL SP.S	K10167130148236	63	40	88	100	27	M20 X 2.5P
HSK-A 63 FMH40 130 2.5G 25000 SL SP.S	K10305130165236	63	40	88	130	27	M20 X 2.5P
HSK-A 63 FMH40 160 2.5G 25000 SL SP.S	K10167130175236	63	40	88	160	27	M20 X 2.5P

Accessories:



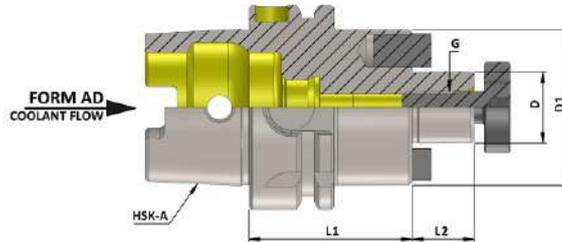
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (DIN 6357) FMH



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied

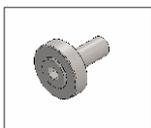


HSK-A (DIN 69893-1) FMH (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	G
HSK-A 63 FMH 3/4" 050 2.5G 25000 SL	K10305617681209	63	3/4"	2"	50	0.687"	3/8"-24 UNF - 2B x 1"
HSK-A 63 FMH 3/4" 100 2.5G 25000 SL	K10166958672236	63	3/4"	2"	100	0.687"	3/8"-24 UNF - 2B x 1"
HSK-A 63 FMH 1.0" 050 2.5G 25000 SL	K10305616617209	63	1.0"	2.375"	50	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1.0" 100 2.5G 25000 SL	K10305616148209	63	1.0"	2.375"	100	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1.0" 130 2.5G 25000 SL	K10305616165313	63	1.0"	2.375"	130	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1.0" 160 2.5G 25000 SL	K10305616175209	63	1.0"	2.375"	160	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1 1/4" 060 2.5G 25000 SL	K10305618857209	63	1 1/4"	2.875"	60	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1 1/4" 100 2.5G 25000 SL	K10305618148209	63	1 1/4"	2.875"	100	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1 1/4" 130 2.5G 25000 SL	K10305618165313	63	1 1/4"	2.875"	130	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1 1/4" 160 2.5G 25000 SL	K10305618175209	63	1 1/4"	2.875"	160	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH 1 1/2" 065 2.5G 25000 SL	K10305620123209	63	1 1/2"	3.750"	65	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH 1 1/2" 100 2.5G 25000 SL	K10305620148313	63	1 1/2"	3.750"	100	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH 1 1/2" 130 2.5G 25000 SL	K10305620165313	63	1 1/2"	3.750"	130	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH 1 1/2" 160 2.5G 25000 SL	K10305620175313	63	1 1/2"	3.750"	160	0.938"	3/4"-16 UNF - 2B x 1 1/2"

HSK-A 80 FMH22 050 2.5G 25000 SL SP.S	K10320127617236	80	22	48	50	19	M10 X 1.5P
HSK-A 80 FMH22 100 2.5G 25000 SL SP.S	K10320127148236	80	22	48	100	19	M10 X 1.5P
HSK-A 80 FMH22 130 2.5G 25000 SL SP.S	K10320127165236	80	22	48	130	19	M10 X 1.5P
HSK-A 80 FMH22 160 2.5G 25000 SL SP.S	K10320127175236	80	22	48	160	19	M10 X 1.5P
HSK-A 80 FMH27 050 2.5G 25000 SL SP.S	K10320128617236	80	27	58	50	21	M12 X 1.75P
HSK-A 80 FMH27 100 2.5G 25000 SL SP.S	K10320128148236	80	27	58	100	21	M12 X 1.75P
HSK-A 80 FMH27 130 2.5G 25000 SL SP.S	K10320128165236	80	27	58	130	21	M12 X 1.75P
HSK-A 80 FMH27 160 2.5G 25000 SL SP.S	K10320128175236	80	27	58	160	21	M12 X 1.75P
HSK-A 80 FMH32 060 2.5G 25000 SL SP.S	K10320129857236	80	32	78	60	24	M16 X 2P
HSK-A 80 FMH32 100 2.5G 25000 SL SP.S	K10320129148236	80	32	78	100	24	M16 X 2P
HSK-A 80 FMH32 130 2.5G 25000 SL SP.S	K10320129165236	80	32	78	130	24	M16 X 2P
HSK-A 80 FMH32 160 2.5G 25000 SL SP.S	K10320129175236	80	32	78	160	24	M16 X 2P
HSK-A 80 FMH40 060 2.5G 25000 SL SP.S	K10320130857236	80	40	88	60	27	M20 X 2.5P
HSK-A 80 FMH40 100 2.5G 25000 SL SP.S	K10320130148236	80	40	88	100	27	M20 X 2.5P
HSK-A 80 FMH40 130 2.5G 25000 SL SP.S	K10320130165236	80	40	88	130	27	M20 X 2.5P

Accessories:



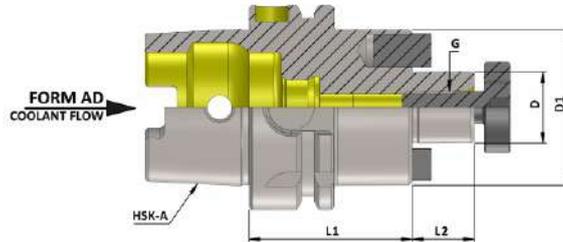
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (DIN 6357) FMH

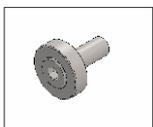


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) FMH								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	HSK-A	D	D1	L1	L2	G	
HSK-A 100 FMH16 055 2.5G 25000 SL SP.S	K10168126115236	100	16	38	55	17	M8 X 1.25P	
HSK-A 100 FMH16 100 2.5G 25000 SL SP.S	K10168126148236	100	16	38	100	17	M8 X 1.25P	
HSK-A 100 FMH16 130 2.5G 25000 SL SP.S	K10168126165236	100	16	38	130	17	M8 X 1.25P	
HSK-A 100 FMH16 160 2.5G 25000 SL SP.S	K10168126175236	100	16	38	160	17	M8 X 1.25P	
HSK-A 100 FMH22 055 2.5G 25000 SL SP.S	K10168127115236	100	22	48	55	19	M10 X 1.5P	
HSK-A 100 FMH22 100 2.5G 25000 SL SP.S	K10168127148236	100	22	48	100	19	M10 X 1.5P	
HSK-A 100 FMH22 130 2.5G 25000 SL SP.S	K10168127165236	100	22	48	130	19	M10 X 1.5P	
HSK-A 100 FMH22 160 2.5G 25000 SL SP.S	K10168127175236	100	22	48	160	19	M10 X 1.5P	
HSK-A 100 FMH27 055 2.5G 25000 SL SP.S	K10168128115236	100	27	58	55	21	M12 X 1.75P	
HSK-A 100 FMH27 100 2.5G 25000 SL SP.S	K10168128148236	100	27	58	100	21	M12 X 1.75P	
HSK-A 100 FMH27 130 2.5G 25000 SL SP.S	K10168128165236	100	27	58	130	21	M12 X 1.75P	
HSK-A 100 FMH27 160 2.5G 25000 SL SP.S	K10168128175236	100	27	58	160	21	M12 X 1.75P	
HSK-A 100 FMH32 060 2.5G 25000 SL SP.S	K10168129117236	100	32	78	60	24	M16 X 2P	
HSK-A 100 FMH32 100 2.5G 25000 SL SP.S	K10168129148236	100	32	78	100	24	M16 X 2P	
HSK-A 100 FMH32 130 2.5G 25000 SL SP.S	K10168129165236	100	32	78	130	24	M16 X 2P	
HSK-A 100 FMH32 160 2.5G 25000 SL SP.S	K10168129175236	100	32	78	160	24	M16 X 2P	
HSK-A 100 FMH40 065 2.5G 25000 SL SP.S	K10168130123236	100	40	88	65	27	M20 X 2.5P	
HSK-A 100 FMH40 100 2.5G 25000 SL SP.S	K10168267148236	100	40	88	100	27	M20 X 2.5P	
HSK-A 100 FMH40 130 2.5G 25000 SL SP.S	K10168130165236	100	40	88	130	27	M20 X 2.5P	
HSK-A 100 FMH40 160 2.5G 25000 SL SP.S	K10168608175236	100	40	88	160	27	M20 X 2.5P	
HSK-A 100 FMH60 070 2.5G 25000 SL SP.S	K10168268125236	100	60	128	70	40	-	
HSK-A 100 FMH60 100 2.5G 25000 SL SP.S	K10168268148236	100	60	128	100	40	-	
HSK-A 100 FMH60 130 2.5G 25000 SL SP.S	K10168268165236	100	60	128	130	40	-	
HSK-A 100 FMH60 160 2.5G 25000 SL SP.S	K10168268175236	100	60	128	160	40	-	

Accessories:



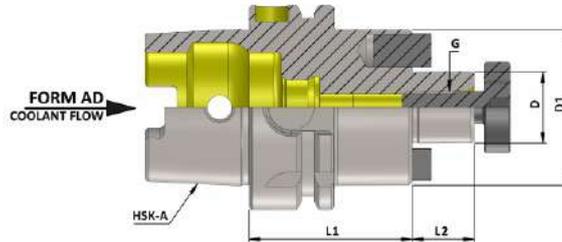
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (DIN 6357) FMH

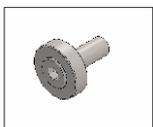


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) FMH				(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	HSK-A	D	D1	L1	L2	G	
HSK-A 100 FMH 3/4" 050 2.5G 25000 SL	K10168617681209	100	3/4"	2"	50	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH 3/4" 100 2.5G 25000 SL	K10168617863209	100	3/4"	2"	100	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH 3/4" 160 2.5G 25000 SL	K10168617647209	100	3/4"	2"	160	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH 1.0" 050 2.5G 25000 SL	K10168616617313	100	1.0"	2.375"	50	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH 1.0" 100 2.5G 25000 SL	K10168616148209	100	1.0"	2.375"	100	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH 1.0" 130 2.5G 25000 SL	K10168616165313	100	1.0"	2.375"	130	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH 1.0" 160 2.5G 25000 SL	K10168616175209	100	1.0"	2.375"	160	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH1 1/4" 060 2.5G 25000 SL	K10168618857209	100	1 1/4"	2.875"	60	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH1 1/4" 100 2.5G 25000 SL	K10168618148313	100	1 1/4"	2.875"	100	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH1 1/4" 130 2.5G 25000 SL	K10168618165313	100	1 1/4"	2.875"	130	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH1 1/4" 160 2.5G 25000 SL	K10168618175313	100	1 1/4"	2.875"	160	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH 1 1/2" 065 2.5G 25000 SL	K10168620123209	100	1 1/2"	3.750"	65	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH 1 1/2" 100 2.5G 25000 SL	K10168620148313	100	1 1/2"	3.750"	100	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH 1 1/2" 130 2.5G 25000 SL	K10168620165313	100	1 1/2"	3.750"	130	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH 1 1/2" 160 2.5G 25000 SL	K10168620175313	100	1 1/2"	3.750"	160	0.938"	3/4"-16 UNF - 2B x 1 1/2"	

Accessories:



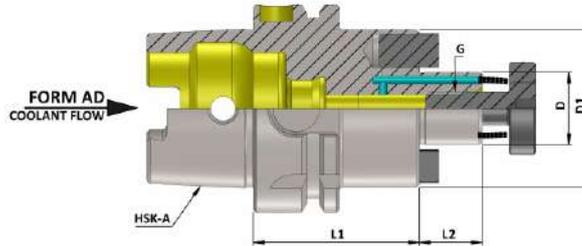
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (Through Coolant) (DIN 6357) FMH - K



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



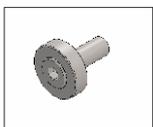
HSK-A (DIN 69893-1) FMH - K (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	G
HSK-A 50 FMH-K16 050 2.5G 25000 SL SP.S	K10166131111236	50	16	38	50	17	M8 X 1.25P
HSK-A 50 FMH-K22 060 2.5G 25000 SL SP.S	K10166132115236	50	22	48	60	19	M10 X 1.5P
HSK-A 50 FMH-K27 060 2.5G 25000 SL SP.S	K10166133117236	50	27	58	60	21	M12 X 1.75P
HSK-A 50 FMH-K32 060 2.5G 25000 SL SP.S	K10166134117236	50	32	78	60	24	M16 X 2P

HSK-A 50 FMH-K1.0" 060 2.5G 25000 SL	K10306959857209	50	1.0"	2.375"	60	0.687"	1/2" - 20 UNF - 2B x 1 1/4"
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HSK-A 63 FMH-K16 045 2.5G 25000 SL SP.S	K10167131108236	63	16	38	45	17	M8 X 1.25P
HSK-A 63 FMH-K16 100 2.5G 25000 SL SP.S	K10167131148236	63	16	38	100	17	M8 X 1.25P
HSK-A 63 FMH-K16 130 2.5G 25000 SL SP.S	K10316131165236	63	16	38	130	17	M8 X 1.25P
HSK-A 63 FMH-K16 160 2.5G 25000 SL SP.S	K10167131175236	63	16	38	160	17	M8 X 1.25P
HSK-A 63 FMH-K22 050 2.5G 25000 SL SP.S	K10167132111236	63	22	48	50	19	M10 X 1.5P
HSK-A 63 FMH-K22 100 2.5G 25000 SL SP.S	K10167132148236	63	22	48	100	19	M10 X 1.5P
HSK-A 63 FMH-K22 130 2.5G 25000 SL SP.S	K10316132165236	63	22	48	130	19	M10 X 1.5P
HSK-A 63 FMH-K22 160 2.5G 25000 SL SP.S	K10167132175236	63	22	48	160	19	M10 X 1.5P
HSK-A 63 FMH-K27 055 2.5G 25000 SL SP.S	K10167133115236	63	27	58	55	21	M12 X 1.75P
HSK-A 63 FMH-K27 100 2.5G 25000 SL SP.S	K10167133148236	63	27	58	100	21	M12 X 1.75P
HSK-A 63 FMH-K27 130 2.5G 25000 SL SP.S	K10316133165236	63	27	58	130	21	M12 X 1.75P
HSK-A 63 FMH-K27 160 2.5G 25000 SL SP.S	K10167133175236	63	27	58	160	21	M12 X 1.75P
HSK-A 63 FMH-K32 060 2.5G 25000 SL SP.S	K10167134117236	63	32	78	60	24	M16 X 2P
HSK-A 63 FMH-K32 100 2.5G 25000 SL SP.S	K10167134148236	63	32	78	100	24	M16 X 2P
HSK-A 63 FMH-K32 130 2.5G 25000 SL SP.S	K10316134165236	63	32	78	130	24	M16 X 2P
HSK-A 63 FMH-K32 160 2.5G 25000 SL SP.S	K10167134175236	63	32	78	160	24	M16 X 2P
HSK-A 63 FMH-K40 065 2.5G 25000 SL SP.S	K10167135123236	63	40	88	65	27	M20 X 2.5P
HSK-A 63 FMH-K40 100 2.5G 25000 SL SP.S	K10167135148236	63	40	88	100	27	M20 X 2.5P
HSK-A 63 FMH-K40 130 2.5G 25000 SL SP.S	K10316576165236	63	40	88	130	27	M20 X 2.5P
HSK-A 63 FMH-K40 160 2.5G 25000 SL SP.S	K10167135175236	63	40	88	160	27	M20 X 2.5P

Accessories:



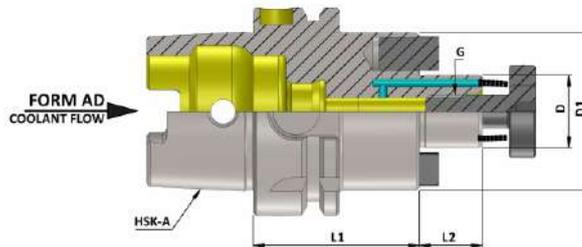
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (Through Coolant) (DIN 6357) FMH - K



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied

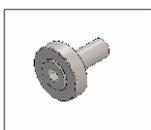


HSK-A (DIN 69893-1) FMH - K (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	G
HSK-A 63 FMH-K3/4" 050 2.5G 25000 SL	K10305958681209	63	3/4"	2"	50	0.687"	3/8"-24 UNF - 2B x 1"
HSK-A 63 FMH-K3/4" 100 2.5G 25000 SL	K10305958863209	63	3/4"	2"	100	0.687"	3/8"-24 UNF - 2B x 1"
HSK-A 63 FMH-K1.0" 050 2.5G 25000 SL	K10305959617209	63	1.0"	2.375"	50	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1.0" 100 2.5G 25000 SL	K10305959148209	63	1.0"	2.375"	100	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1.0" 130 2.5G 25000 SL	K10305959165209	63	1.0"	2.375"	130	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1.0" 160 2.5G 25000 SL	K10305959175209	63	1.0"	2.375"	160	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1-1/4" 060 2.5G 25000 SL	K10305960857209	63	1 1/4"	2.875"	60	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1-1/4" 100 2.5G 25000 SL	K10305960148209	63	1 1/4"	2.875"	100	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1-1/4" 130 2.5G 25000 SL	K10305960165209	63	1 1/4"	2.875"	130	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1-1/4" 160 2.5G 25000 SL	K10305960175209	63	1 1/4"	2.875"	160	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-A 63 FMH-K1-1/2" 065 2.5G 25000 SL	K10305639123209	63	1 1/2"	3.750"	65	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH-K1-1/2" 100 2.5G 25000 SL	K10305639148209	63	1 1/2"	3.750"	100	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH-K1-1/2" 130 2.5G 25000 SL	K10305639165209	63	1 1/2"	3.750"	130	0.938"	3/4"-16 UNF - 2B x 1 1/2"
HSK-A 63 FMH-K1-1/2" 160 2.5G 25000 SL	K10305639175209	63	1 1/2"	3.750"	160	0.938"	3/4"-16 UNF - 2B x 1 1/2"

HSK-A 80 FMH-K22 050 2.5G 25000 SL S.P.S	K10320132617236	80	22	48	50	19	M10 X 1.5P
HSK-A 80 FMH-K22 100 2.5G 25000 SL S.P.S	K10320132148236	80	22	48	100	19	M10 X 1.5P
HSK-A 80 FMH-K22 130 2.5G 25000 SL S.P.S	K10320132165236	80	22	48	130	19	M10 X 1.5P
HSK-A 80 FMH-K22 160 2.5G 25000 SL S.P.S	K10320132175236	80	22	48	160	19	M10 X 1.5P
HSK-A 80 FMH-K27 050 2.5G 25000 SL S.P.S	K10320133617236	80	27	58	50	21	M12 X 1.75P
HSK-A 80 FMH-K27 100 2.5G 25000 SL S.P.S	K10320133148236	80	27	58	100	21	M12 X 1.75P
HSK-A 80 FMH-K27 130 2.5G 25000 SL S.P.S	K10320133165236	80	27	58	130	21	M12 X 1.75P
HSK-A 80 FMH-K27 160 2.5G 25000 SL S.P.S	K10320133175236	80	27	58	160	21	M12 X 1.75P
HSK-A 80 FMH-K32 060 2.5G 25000 SL S.P.S	K10320134617236	80	32	78	60	24	M16 X 2P
HSK-A 80 FMH-K32 100 2.5G 25000 SL S.P.S	K10320134148236	80	32	78	100	24	M16 X 2P
HSK-A 80 FMH-K32 130 2.5G 25000 SL S.P.S	K10320134165236	80	32	78	130	24	M16 X 2P
HSK-A 80 FMH-K32 160 2.5G 25000 SL S.P.S	K10320134175236	80	32	78	160	24	M16 X 2P
HSK-A 80 FMH-K40 060 2.5G 25000 SL S.P.S	K10320576857236	80	40	88	60	27	M20 X 2.5P
HSK-A 80 FMH-K40 100 2.5G 25000 SL S.P.S	K10320576148236	80	40	88	100	27	M20 X 2.5P
HSK-A 80 FMH-K40 130 2.5G 25000 SL S.P.S	K10320576165236	80	40	88	130	27	M20 X 2.5P

Accessories:



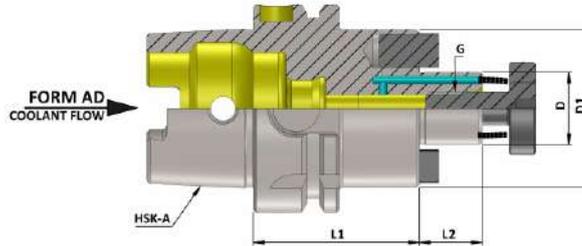
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (Through Coolant) (DIN 6357) FMH - K

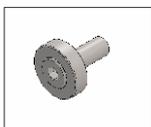


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) FMH - K				(Balanced to 2.5 G 25000 RPM)				
Item Name	Item Code	HSK-A	D	D1	L1	L2	G	
HSK-A 100 FMH-K16 055 2.5G 25000 SL SP.S	K10168131115236	100	16	38	55	17	M8 X 1.25P	
HSK-A 100 FMH-K16 100 2.5G 25000 SL SP.S	K10168131148236	100	16	38	100	17	M8 X 1.25P	
HSK-A 100 FMH-K16 130 2.5G 25000 SL SP.S	K10168131165236	100	16	38	130	17	M8 X 1.25P	
HSK-A 100 FMH-K16 160 2.5G 25000 SL SP.S	K10168131175236	100	16	38	160	17	M8 X 1.25P	
HSK-A 100 FMH-K22 055 2.5G 25000 SL SP.S	K10168132115236	100	22	48	55	19	M10 X 1.5P	
HSK-A 100 FMH-K22 100 2.5G 25000 SL SP.S	K10168132148236	100	22	48	100	19	M10 X 1.5P	
HSK-A 100 FMH-K22 130 2.5G 25000 SL SP.S	K10168132165236	100	22	48	130	19	M10 X 1.5P	
HSK-A 100 FMH-K22 160 2.5G 25000 SL SP.S	K10168132175236	100	22	48	160	19	M10 X 1.5P	
HSK-A 100 FMH-K27 055 2.5G 25000 SL SP.S	K10168133115236	100	27	58	55	21	M12 X 1.75P	
HSK-A 100 FMH-K27 100 2.5G 25000 SL SP.S	K10168133148236	100	27	58	100	21	M12 X 1.75P	
HSK-A 100 FMH-K27 130 2.5G 25000 SL SP.S	K10168133165236	100	27	58	130	21	M12 X 1.75P	
HSK-A 100 FMH-K27 160 2.5G 25000 SL SP.S	K10168133175236	100	27	58	160	21	M12 X 1.75P	
HSK-A 100 FMH-K32 060 2.5G 25000 SL SP.S	K10168134117236	100	32	78	60	24	M16 X 2P	
HSK-A 100 FMH-K32 100 2.5G 25000 SL SP.S	K10168134148236	100	32	78	100	24	M16 X 2P	
HSK-A 100 FMH-K32 130 2.5G 25000 SL SP.S	K10168134165236	100	32	78	130	24	M16 X 2P	
HSK-A 100 FMH-K32 160 2.5G 25000 SL SP.S	K10168134175236	100	32	78	160	24	M16 X 2P	
HSK-A 100 FMH-K40 065 2.5G 25000 SL SP.S	K10168135123236	100	40	88	65	27	M20 X 2.5P	
HSK-A 100 FMH-K40 100 2.5G 25000 SL SP.S	K10168135148236	100	40	88	100	27	M20 X 2.5P	
HSK-A 100 FMH-K40 130 2.5G 25000 SL SP.S	K10168576165236	100	40	88	130	27	M20 X 2.5P	
HSK-A 100 FMH-K40 160 2.5G 25000 SL SP.S	K10168576175236	100	40	88	160	27	M20 X 2.5P	
HSK-A 100 FMH-K60 070 2.5G 25000 SL SP.S	K10168577125236	100	60	128	70	40	-	
HSK-A 100 FMH-K60 100 2.5G 25000 SL SP.S	K10168577148236	100	60	128	100	40	-	
HSK-A 100 FMH-K60 130 2.5G 25000 SL SP.S	K10168577165236	100	60	128	130	40	-	
HSK-A 100 FMH-K60 160 2.5G 25000 SL SP.S	K10168577175236	100	60	128	160	40	-	

Accessories:



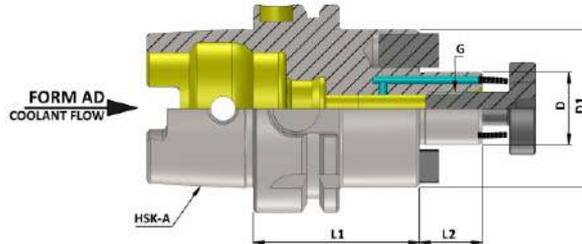
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Face Mill Holder (Through Coolant) (DIN 6357) FMH - K

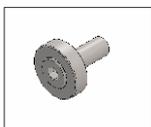


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) FMH - K								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	HSK-A	D	D1	L1	L2	G	
HSK-A 100 FMH-K3/4" 050 2.5G 25000 SL	K10168958681209	100	3/4"	2"	50	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH-K3/4" 100 2.5G 25000 SL	K10168958863209	100	3/4"	2"	100	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH-K3/4" 160 2.5G 25000 SL	K10168958647209	100	3/4"	2"	160	0.687"	3/8"-24 UNF - 2B x 1"	
HSK-A 100 FMH-K1.0" 055 2.5G 25000 SL	K10168959617209	100	1.0"	2.375"	55	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1.0" 100 2.5G 25000 SL	K10168959148209	100	1.0"	2.375"	100	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1.0" 130 2.5G 25000 SL	K10168959165209	100	1.0"	2.375"	130	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1.0" 160 2.5G 25000 SL	K10168959175209	100	1.0"	2.375"	160	0.687"	1/2"-20 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1-1/4" 060 2.5G 25000 SL	K10168960857209	100	1 1/4"	2.875"	60	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1-1/4" 100 2.5G 25000 SL	K10168960148209	100	1 1/4"	2.875"	100	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1-1/4" 130 2.5G 25000 SL	K10168960165209	100	1 1/4"	2.875"	130	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1-1/4" 160 2.5G 25000 SL	K10168960175209	100	1 1/4"	2.875"	160	0.687"	5/8"-18 UNF - 2B x 1 1/4"	
HSK-A 100 FMH-K1-1/2" 065 2.5G 25000 SL	K10168639857209	100	1 1/2"	3.750"	65	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH-K1-1/2" 100 2.5G 25000 SL	K10168639148209	100	1 1/2"	3.750"	100	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH-K1-1/2" 130 2.5G 25000 SL	K10168639165209	100	1 1/2"	3.750"	130	0.938"	3/4"-16 UNF - 2B x 1 1/2"	
HSK-A 100 FMH-K1-1/2" 160 2.5G 25000 SL	K10168639175209	100	1 1/2"	3.750"	160	0.938"	3/4"-16 UNF - 2B x 1 1/2"	

Accessories:



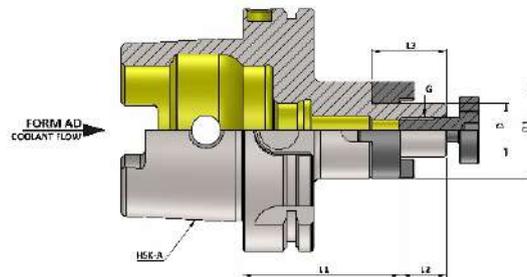
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Combi Shell Mill Adaptor (DIN 6358) (CSMA)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) (CSMA) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	L3	G
HSK-A 32 CSMA16 055 2.5G 25000 SL SP.S	K10319121617236	32	16	32	55	17	27	M8
HSK-A 32 CSMA22 055 2.5G 25000 SL SP.S	K10319122617236	32	22	40	55	19	31	M10
HSK-A 32 CSMA27 065 2.5G 25000 SL SP.S	K10319123617236	32	27	48	65	21	33	M12

HSK-A 40 CSMA16 050 2.5G 25000 SL SP.S	K10165121617236	40	16	32	50	17	27	M8
HSK-A 40 CSMA22 050 2.5G 25000 SL SP.S	K10165122617236	40	22	40	50	19	31	M10
HSK-A 40 CSMA27 065 2.5G 25000 SL SP.S	K10165123123236	40	27	48	65	21	33	M12

HSK-A 50 CSMA16 050 2.5G 25000 SL SP.S	K10166121111236	50	16	32	50	17	27	M8
HSK-A 50 CSMA22 055 2.5G 25000 SL SP.S	K10166122115236	50	22	40	55	19	31	M10
HSK-A 50 CSMA27 065 2.5G 25000 SL SP.S	K10166123123236	50	27	48	65	21	33	M12
HSK-A 50 CSMA32 065 2.5G 25000 SL SP.S	K10166124123236	50	32	58	65	24	38	M16

HSK-A 63 CSMA16 060 2.5G 25000 SL SP.S	K10167121117236	63	16	32	60	17	27	M8
HSK-A 63 CSMA16 100 2.5G 25000 SL SP.S	K10167121148236	63	16	32	100	17	27	M8
HSK-A 63 CSMA16 130 2.5G 25000 SL SP.S	K10165121165236	63	16	32	130	17	27	M8
HSK-A 63 CSMA16 160 2.5G 25000 SL SP.S	K10167121175236	63	16	32	160	17	27	M8
HSK-A 63 CSMA22 060 2.5G 25000 SL SP.S	K10167122117236	63	22	40	60	19	31	M10
HSK-A 63 CSMA22 100 2.5G 25000 SL SP.S	K10167122148236	63	22	40	100	19	31	M10
HSK-A 63 CSMA22 130 2.5G 25000 SL SP.S	K10316122165236	63	22	40	130	19	31	M10
HSK-A 63 CSMA22 160 2.5G 25000 SL SP.S	K10167122175236	63	22	40	160	19	31	M10
HSK-A 63 CSMA27 060 2.5G 25000 SL SP.S	K10167123117236	63	27	48	60	21	33	M12
HSK-A 63 CSMA27 100 2.5G 25000 SL SP.S	K10167123148236	63	27	48	100	21	33	M12
HSK-A 63 CSMA27 130 2.5G 25000 SL SP.S	K10316123165236	63	27	48	130	21	33	M12
HSK-A 63 CSMA27 160 2.5G 25000 SL SP.S	K10167123175236	63	27	48	160	21	33	M12

Accessories:

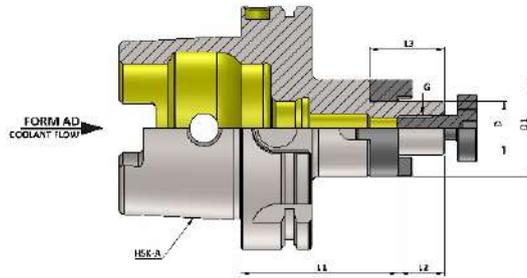


Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Combi Shell Mill Adaptor (DIN 6358) (CSMA)



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) (CSMA) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	D	D1	L1	L2	L3	G
HSK-A 63 CSMA32 065 2.5G 25000 SL SP.S	K10167124123236	63	32	58	65	24	38	M16
HSK-A 63 CSMA32 100 2.5G 25000 SL SP.S	K10167124148236	63	32	58	100	24	38	M16
HSK-A 63 CSMA32 130 2.5G 25000 SL SP.S	K10316124165236	63	32	58	130	24	38	M16
HSK-A 63 CSMA32 160 2.5G 25000 SL SP.S	K10167124175236	63	32	58	160	24	38	M16
HSK-A 63 CSMA40 070 2.5G 25000 SL SP.S	K10167125125236	63	40	70	70	27	41	M20
HSK-A 63 CSMA40 100 2.5G 25000 SL SP.S	K10167125148236	63	40	70	100	27	41	M20
HSK-A 63 CSMA40 130 2.5G 25000 SL SP.S	K10316125165236	63	40	70	130	27	41	M20
HSK-A 63 CSMA40 160 2.5G 25000 SL SP.S	K10167125175236	63	40	70	160	27	41	M20

HSK-A 100 CSMA16 065 2.5G 25000 SL SP.S	K10168121123236	100	16	32	65	17	27	M8
HSK-A 100 CSMA16 100 2.5G 25000 SL SP.S	K10168121148236	100	16	32	100	17	27	M8
HSK-A 100 CSMA16 130 2.5G 25000 SL SP.S	K10168121165236	100	16	32	130	17	27	M8
HSK-A 100 CSMA16 160 2.5G 25000 SL SP.S	K10168121175236	100	16	32	160	17	27	M8
HSK-A 100 CSMA22 065 2.5G 25000 SL SP.S	K10168122123236	100	22	40	65	19	31	M10
HSK-A 100 CSMA22 100 2.5G 25000 SL SP.S	K10168122148236	100	22	40	100	19	31	M10
HSK-A 100 CSMA22 130 2.5G 25000 SL SP.S	K10168122165236	100	22	40	130	19	31	M10
HSK-A 100 CSMA22 160 2.5G 25000 SL SP.S	K10168122175236	100	22	40	160	19	31	M10
HSK-A 100 CSMA27 065 2.5G 25000 SL SP.S	K10168123123236	100	27	48	65	21	33	M12
HSK-A 100 CSMA27 100 2.5G 25000 SL SP.S	K10168123148236	100	27	48	100	21	33	M12
HSK-A 100 CSMA27 130 2.5G 25000 SL SP.S	K10168123165236	100	27	48	130	21	33	M12
HSK-A 100 CSMA27 160 2.5G 25000 SL SP.S	K10168123175236	100	27	48	160	21	33	M12
HSK-A 100 CSMA32 070 2.5G 25000 SL SP.S	K10168124125236	100	32	58	70	24	38	M16
HSK-A 100 CSMA32 100 2.5G 25000 SL SP.S	K10168124148236	100	32	58	100	24	38	M16
HSK-A 100 CSMA32 130 2.5G 25000 SL SP.S	K10168124165236	100	32	58	130	24	38	M16
HSK-A 100 CSMA32 160 2.5G 25000 SL SP.S	K10168124175236	100	32	58	160	24	38	M16
HSK-A 100 CSMA40 070 2.5G 25000 SL SP.S	K10168125125236	100	40	70	70	27	41	M20
HSK-A 100 CSMA40 100 2.5G 25000 SL SP.S	K10168125148236	100	40	70	100	27	41	M20
HSK-A 100 CSMA40 130 2.5G 25000 SL SP.S	K10168125165236	100	40	70	130	27	41	M20
HSK-A 100 CSMA40 160 2.5G 25000 SL SP.S	K10168125175236	100	40	70	160	27	41	M20

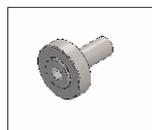
Accessories:



CSMA DRIVER RING



CSMA KEY



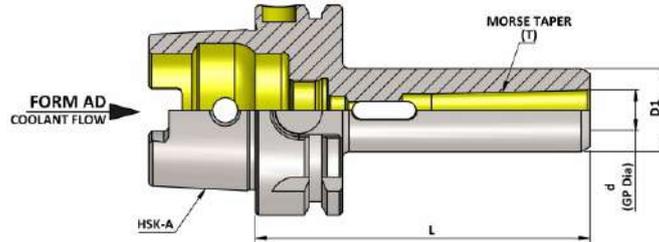
FMH / CSMA CLAMPING SCREW

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Morse Taper Adaptor (DIN 6383) (MTA)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) MTA (Balanced to 6.3 G 20000 RPM)

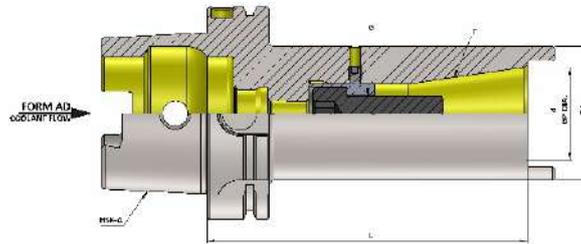
Item Name	Item Code	HSK-A	Morse Taper(T)	d (GP)	D1	L
HSK-A 50 Mt01 100 6.3G 20000 SL	K10166447148209	50	1	12.065	25	100
HSK-A 50 MT02 115 6.3G 20000 SL	K10166448159209	50	2	17.780	32	115
HSK-A 50 MT03 135 6.3G 20000 SL	K10166449166209	50	3	23.825	40	135
HSK-A 63 MT01 100 6.3G 20000 SL	K10167447148209	63	1	12.065	25	100
HSK-A 63 MT02 115 6.3G 20000 SL	K10167448159209	63	2	17.780	32	115
HSK-A 63 MT03 135 6.3G 20000 SL	K10167449166209	63	3	23.825	40	135
HSK-A 63 MT04 160 6.3G 20000 SL	K10167451175209	63	4	31.267	48	160
HSK-A 100 MT01 110 6.3G 20000 SL	K10168447156209	100	1	12.065	25	110
HSK-A 100 MT02 120 6.3G 20000 SL	K10168448162209	100	2	17.780	32	120
HSK-A 100 MT03 150 6.3G 20000 SL	K10168449173209	100	3	23.825	40	150
HSK-A 100 MT04 170 6.3G 20000 SL	K10168451238209	100	4	31.267	48	170
HSK-A 100 MT05 200 6.3G 20000 SL	K10168450239209	100	5	44.399	63	200

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Reduction Sleeve



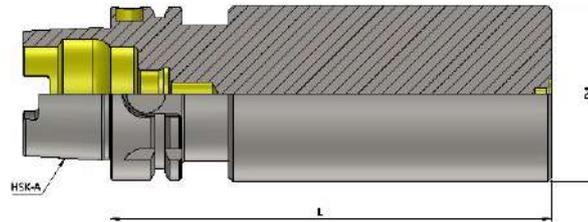
Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-A (DIN 69893-1) Reduction Sleeve							
Item Name	Item Code	HSK-A	d (GP)	D1	T	L	G
HSK A 100 X ISO40 REDUCTION SLEEVE	K10251462446127	100	44.45	63	7:24	150	M 16
HSK A 100 X ISO50 REDUCTION SLEEVE	K10251462448127	100	69.85	97	7:24	205	M 24

Note: All Dimensions are in mm

HSK-A (DIN 69893-1) Boring Bar Blank



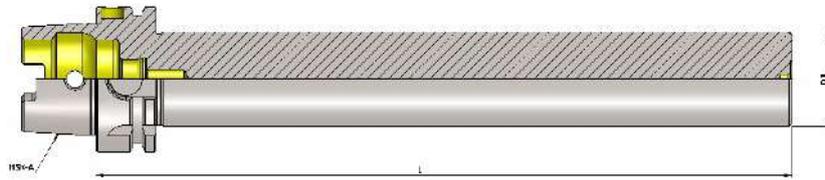
HSK-A (DIN 69893-1) Boring Bar Blank

Item Name	Item Code	HSK-A	D1	L
HSK-A 32 BORING BAR BLANK DIA 25.0 L 150	K10319530590127	32	25	150
HSK-A 32 BORING BAR BLANK DIA 32.0 L 100	K10319530536127	32	32	100
HSK-A 40 BORING BAR BLANK DIA 40.0 L 150	K10165530525127	40	40	150
HSK-A 40 BORING BAR BLANK DIA 70.0 L 100	K10165530591127	40	70	100
HSK-A 50 BORING BAR BLANK DIA 50.0 L 150	K10306530890241	50	50	150
HSK-A 50 BORING BAR BLANK DIA 52.0 L 200	K10166261237127	50	52	200
HSK-A 50 BORING BAR BLANK DIA 62.0 L 200	K10166262237127	50	62	200
HSK-A 50 BORING BAR BLANK DIA 75.0 L 070	K10306530606241	50	75	70
HSK-A 63 BORING BAR BLANK DIA 63.0 L 160	K10167263330127	63	63	160
HSK-A 63 BORING BAR BLANK DIA 63.0 L 250	K10167263256127	63	63	250
HSK-A 63 BORING BAR BLANK DIA 63.0 L 310	K10306530596241	63	63	310
HSK-A 63 BORING BAR BLANK DIA 80.0 L 250	K10167264256127	63	80	250
HSK-A 63 BORING BAR BLANK DIA 3.0" L 6.0"	K10305530497253	63	3.0"	6.0"
HSK-A 63 BORING BAR BLANK DIA 3.5" L 10.0"	K10305530183253	63	3.5"	10.0"
HSK-A 80 BORING BAR BLANK DIA 80.0 L 250	K10320530596241	80	80	250
HSK-A 80 BORING BAR BLANK DIA 90.0 L 310	K10320530601241	80	90	310
HSK-A 100 BORING BAR BLANK DIA 80.0 L 250	K10168264256127	100	80	250
HSK-A 100 BORING BAR BLANK DIA 80.0 L 275	K10168264501127	100	80	275
HSK-A 100 BORING BAR BLANK DIA 97.0 L 250	K10168265256127	100	97	250
HSK-A 100 BORING BAR BLANK DIA 4.0" L 10.0"	K10168530183253	100	4.0"	10.0"

HSK-A (DIN 69893-1) Master Mandrell



Maximum Run out of the External Dia with respect to the External Taper 0.003 mm



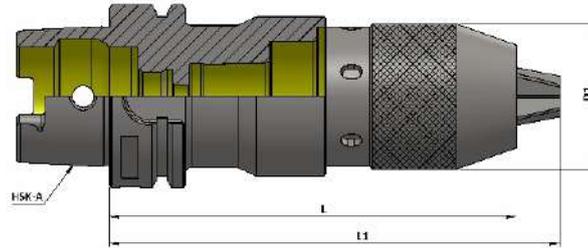
HSK-A (DIN 69893-1) Master Mandrell			(Sub Zero Treated)	
Item Name	Item Code	HSK-A	D1	L
HSK-A 32 MASTER MANDRELL DIA 25 L 150	K10319165173521	32	25	150
HSK-A 32 MASTER MANDRELL DIA 32 L 200	K10319164239521	32	32	200
HSK-A 40 MASTER MANDRELL DIA 25 L 150	K10165164173521	40	25	150
HSK-A 40 MASTER MANDRELL DIA 32 L 200	K10165164239521	40	32	200
HSK-A 50 MASTER MANDRELL DIA 32 L 200	K10166164237127	50	32	200
HSK-A 50 MASTER MANDRELL DIA 40 L 250	K10166165182521	50	40	250
HSK-A 63 MASTER MANDRELL DIA 40 L 300	K10167165257127	63	40	300
HSK-A 63 MASTER MANDRELL DIA 40 L 350	K10316165184521	63	40	350
HSK-A 80 MASTER MANDRELL DIA 40 L 300	K10320164173521	80	40	300
HSK-A 100 MASTER MANDRELL DIA 40 L 380	K10168165479521	100	40	380
HSK-A 100 MASTER MANDRELL DIA 50 L 300	K10168166257127	100	50	300

Note: All Dimensions are in mm

HSK-A (DIN 69893 - 1) NC Drill Chuck (NCDC)



Maximum Run out on the Mandrell with respect to the External Taper 0.050 mm as supplied



HSK-A (DIN 69893 - 1) (NCDC)

Item Name	Item Code	HSK-A	D1	L	L1
HSK-A 50 NCDC 113 137	K10166167170209	50	50	137	149.5
HSK-A 63 NCDC 113 140	K10167167172209	63	50	140	152.5
HSK-A 100 NCDC 113 146	K10168167172209	100	50	146	158.5

Accessories:



SPANNER NCDC

Note: All Dimensions are in mm

Application:

- For Mounting of Screw type Modular Milling Cutters.
- Slim Design & hence easy to reach at deep cavities.
- Unibody Construction.
- All "KTA" Milling Cutter Arbors are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

Available In Mountings:

- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)

Balancing:

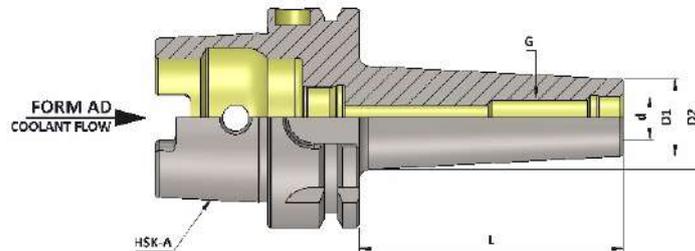
- Balanced To 2.5 G 25000RPM



HSK-A(DIN 69893-1) Milling Cutter Arbor (MCA)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-A(DIN 69893-1) (MCA) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L
HSK-A 63 MCA06 025 2.5G 25000 SL	K10167137101209	63	6.5	10	13	M6	25
HSK-A 63 MCA08 025 2.5G 25000 SL	K10167138101227	63	8.5	13	15	M8	25
HSK-A 63 MCA08 050 2.5G 25000 SL	K10167138111209	63	8.5	13	23	M8	50
HSK-A 63 MCA08 075 2.5G 25000 SL	K10167138127209	63	8.5	13	23	M8	75
HSK-A 63 MCA08 100 2.5G 25000 SL	K10167138148124	63	8.5	13	23	M8	100
HSK-A 63 MCA10 025 2.5G 25000 SL	K10167139101227	63	10.5	18	20	M10	25
HSK-A 63 MCA10 050 2.5G 25000 SL	K10167139111124	63	10.5	18	23	M10	50
HSK-A 63 MCA10 075 2.5G 25000 SL	K10167139127228	63	10.5	18	28	M10	75
HSK-A 63 MCA10 100 2.5G 25000 SL	K10167139148209	63	10.5	18	32	M10	100
HSK-A 63 MCA10 150 2.5G 25000 SL	K10167139173209	63	10.5	18	36.5	M10	150
HSK-A 63 MCA12 025 2.5G 25000 SL	K10167140101209	63	12.5	21	24	M12	25
HSK-A 63 MCA12 050 2.5G 25000 SL	K10167140111209	63	12.5	21	24	M12	50
HSK-A 63 MCA12 075 2.5G 25000 SL	K10167140127209	63	12.5	21	31	M12	75
HSK-A 63 MCA12 100 2.5G 25000 SL	K10167140148209	63	12.5	21	33	M12	100
HSK-A 63 MCA12 150 2.5G 25000 SL	K10167140173209	63	12.5	21	40	M12	150
HSK-A 63 MCA16 025 2.5G 25000 SL	K10167141101227	63	17	29	29	M16	25
HSK-A 63 MCA16 050 2.5G 25000 SL	K10167141111209	63	17	29	34	M16	50
HSK-A 63 MCA16 075 2.5G 25000 SL	K10167141127209	63	17	29	34	M16	75
HSK-A 63 MCA16 100 2.5G 25000 SL	K10167141148209	63	17	29	36	M16	100
HSK-A 63 MCA16 150 2.5G 25000 SL	K10167141173209	63	17	29	42.5	M16	150

HSK-A 100 MCA08 050 2.5G 25000 SL	K10168138111227	100	8.5	13	23	M8	50
HSK-A 100 MCA10 050 2.5G 25000 SL	K10168139111209	100	10.5	18	23	M10	50
HSK-A 100 MCA10 100 2.5G 25000 SL	K10168139148209	100	10.5	18	32	M10	100
HSK-A 100 MCA10 150 2.5G 25000 SL	K10168139173209	100	10.5	18	36.5	M10	150
HSK-A 100 MCA12 050 2.5G 25000 SL	K10168140111209	100	12.5	21	24	M12	50
HSK-A 100 MCA12 100 2.5G 25000 SL	K10168140148209	100	12.5	21	33	M12	100
HSK-A 100 MCA12 150 2.5G 25000 SL	K10168140173227	100	12.5	21	40	M12	150
HSK-A 100 MCA16 050 2.5G 25000 SL	K10168141111209	100	17	29	34	M16	50
HSK-A 100 MCA16 100 2.5G 25000 SL	K10168141148209	100	17	29	36	M16	100
HSK-A 100 MCA16 150 2.5G 25000 SL	K10168141173209	100	17	29	42.5	M16	150

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant supply only.

Features:

- Quick Change features to suit KTA-Quick Change Adaptors with and without safety clutch.
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences.
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

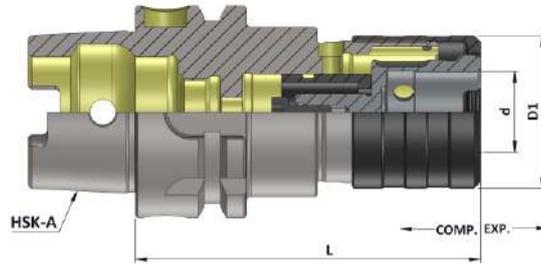
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- VDI Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



HSK-A (DIN 69893-1) Quick Change Tapping Chuck (KWFLK)



HSK-A (DIN 69893-1) (KWFLK)

Item Name	Item Code	HSK-A	Capacity	Suitable Adaptor	Compr.	Expan.	d	D1	L
HSK-A 50 KWFLK1 76.0	K10166169371127	50	M3-M12	KWES1B	7.5	7.5	19	36	76
HSK-A 50 KWFLK2 123.0	K10166170477127	50	M6-M20	KWES2B	12.5	12.5	31	53	123
HSK-A 63 KWFLK1 81.0	K10167169372127	63	M3-M12	KWES1B	7.5	7.5	19	36	81
HSK-A 63 KWFLK2 119.0	K10167170373127	63	M6-M20	KWES2B	12.5	12.5	31	53	119
HSK-A 63 KWFLK3 176.0	K10167171374127	63	M14-M33	KWES3B	20	20	48	78	176
HSK-A 100 KWFLK1 90.0	K10168169375127	100	M3-M12	KWES1B	7.5	7.5	19	36	90
HSK-A 100 KWFLK2 138.0	K10168170376127	100	M6-M20	KWES2B	12.5	12.5	31	53	138
HSK-A 100 KWFLK3 190.0	K10168171377127	100	M14-M33	KWES3B	20	20	48	78	190
HSK-A 100 KWFLK4 225.0	K10168172378127	100	M22-M48	KWES4B	22.5	22.5	60	96	225

Accessories:



Tap Adaptor KWES B & KWESK B



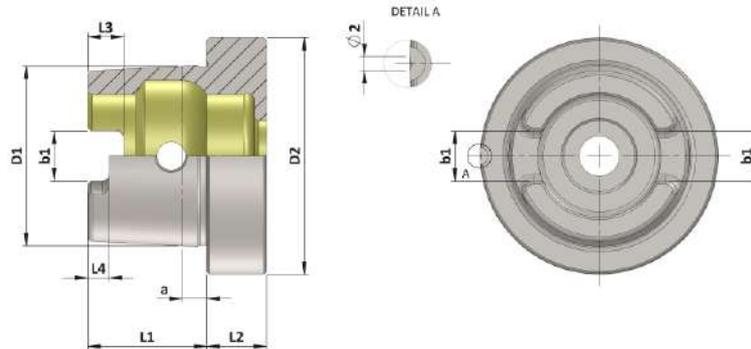
Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

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②	Collet Chuck ER (DIN 6499) <ul style="list-style-type: none"> • Collet Chuck ER 		192
③	Weldon Type End Mill Holders (WE) (DIN 6359) (DIN 1835 B) <ul style="list-style-type: none"> • Weldon (WE) (DIN 6359) • Weldon (WE : FCC) (DIN 6359) 		193 - 194
④	Boring Bar Blank		195

HSK-C (DIN 69893-1) Form C: Technical Information



HSK-C	D1	D2	a	b1	L1	L2	L3	L4
32	24.007	32	3.2	7.05	16	10	5	3
40	30	40	4	8.05	20	10	6	3.50
50	38	50	5	10.54	25	12.50	7.50	4.50
63	48	63	6.30	12.54	32	12.50	10	6

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

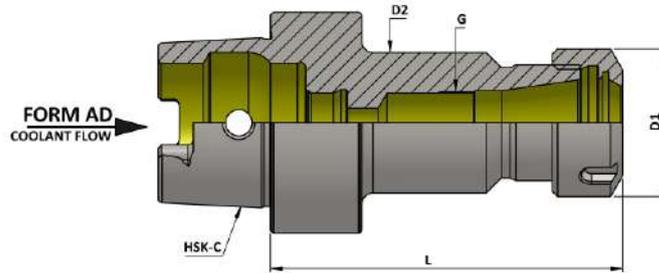
Accuracy :- Taper Angle Class AT 3

Note: All Dimensions are in mm

HSK - C (DIN 69893-1) Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK - C (DIN 69893 - 1) Collet Chuck ER										(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	HSK - C	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
HSK - C 32 ER 16 060 2.5G 25000 SL	K10398149338209	32	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
HSK - C 40 ER 16 060 2.5G 25000 SL	K10303149857209	40	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
HSK - C 40 ER 25 070 2.5G 25000 SL	K10303151125209	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
HSK - C 40 ER 32 075 2.5G 25000 SL	K10303152127209	40	ER32	2.0-20	50	-	M22X1.5P	75	UM/ER32	E32	
HSK - C 50 ER 16 060 2.5G 25000 SL	K10309149857209	50	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
HSK - C 50 ER 25 070 2.5G 25000 SL	K10309151125209	50	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
HSK - C 50 ER 32 075 2.5G 25000 SL	K10309152127209	50	ER32	2.0-20	50	-	M22X1.5P	75	UM/ER32	E32	
HSK - C 50 ER 40 080 2.5G 25000 SL	K10309153131209	50	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	
HSK - C 63 ER 25 070 2.5G 25000 SL	K10302151125209	63	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
HSK - C 63 ER 32 075 2.5G 25000 SL	K10302152127209	63	ER32	2.0-20	50	-	M22X1.5P	75	UM/ER32	E32	
HSK - C 63 ER 40 080 2.5G 25000 SL	K10302153131209	63	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



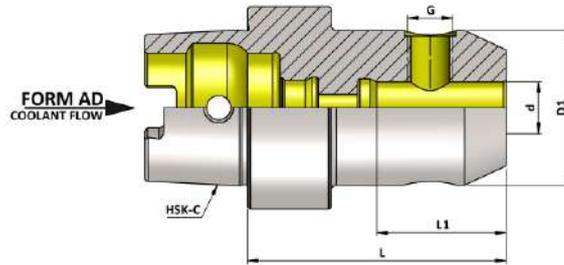
SPANNER E

Note: All Dimensions are in mm

HSK-C (DIN 69893 -1) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)

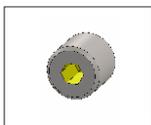


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-C (DIN 69893 - 1) (WE)			(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK-C	d	D1	G	L	L1	Screw Qty.
HSK-C 32 WE06 060 2.5G 25000 SL	K10398669338209	32	6	25	M6	60	34	1
HSK-C 32 WE08 060 2.5G 25000 SL	K10398670338209	32	8	28	M8	60	34	1
HSK-C 32 WE10 065 2.5G 25000 SL	K10398674123209	32	10	35	M10	65	40	1
HSK-C 40 WE06 060 2.5G 25000 SL	K10303669857209	40	6	25	M6	60	34	1
HSK-C 40 WE08 060 2.5G 25000 SL	K10303670857209	40	8	28	M8	60	34	1
HSK-C 40 WE10 065 2.5G 25000 SL	K10303674857209	40	10	35	M10	65	40	1
HSK-C 40 WE12 070 2.5G 25000 SL	K10303672125209	40	12	42	M12	70	46	1
HSK-C 40 WE16 075 2.5G 25000 SL	K10303632125209	40	16	48	M14	75	48	1
HSK-C 50 WE06 060 2.5G 25000 SL	K10309669857209	50	6	25	M6	60	34	1
HSK-C 50 WE08 060 2.5G 25000 SL	K10309670857209	50	8	28	M8	60	34	1
HSK-C 50 WE10 065 2.5G 25000 SL	K10309674857209	50	10	35	M10	65	40	1
HSK-C 50 WE12 075 2.5G 25000 SL	K10309672127209	50	12	42	M12	75	46	1
HSK-C 50 WE14 075 2.5G 25000 SL	K10309675127209	50	14	44	M12	75	46	1
HSK-C 50 WE16 080 2.5G 25000 SL	K10309632127209	50	16	48	M14	80	48	1
HSK-C 50 WE18 080 2.5G 25000 SL	K10309676131209	50	18	50	M14	80	48	1
HSK-C 50 WE20 080 2.5G 25000 SL	K10309633131209	50	20	52	M16	80	52	1
HSK-C 63 WE06 060 2.5G 25000 SL	K10302669338209	63	6	25	M6	60	34	1
HSK-C 63 WE08 060 2.5G 25000 SL	K10302670338209	63	8	28	M8	60	34	1
HSK-C 63 WE10 065 2.5G 25000 SL	K10302674123209	63	10	35	M10	65	40	1
HSK-C 63 WE12 075 2.5G 25000 SL	K10302672127209	63	12	42	M12	75	46	1
HSK-C 63 WE14 075 2.5G 25000 SL	K10302675127209	63	14	44	M12	75	46	1
HSK-C 63 WE16 080 2.5G 25000 SL	K10302632131209	63	16	48	M14	80	48	1
HSK-C 63 WE18 080 2.5G 25000 SL	K10302676131209	63	18	50	M14	80	48	1
HSK-C 63 WE20 080 2.5G 25000 SL	K10302633131209	63	20	52	M16	80	52	1
HSK-C 63 WE25 095 2.5G 25000 SL	K10302673145209	63	25	65	M18X2	95	56	2
HSK-C 63 WE32 100 2.5G 25000 SL	K10302677148209	63	32	72	M20X2	100	60	2

Accessories:



LOCKING SCREW WN

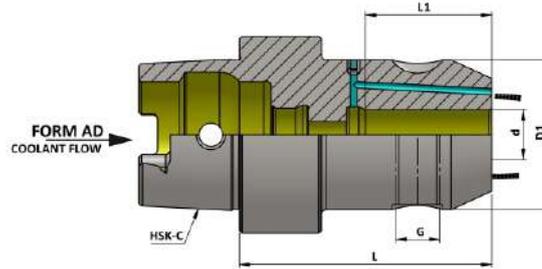
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK - C (DIN 69893-1) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)

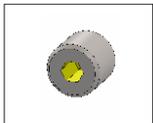


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK - C (DIN 69893 - 1) (WE : FCC)				(Balanced 2.5 G 2500 SL)				
Item Name	Item Code	HSK-C	d	D1	G	L	L1	Screw Qty.
HSK-C 32 WE06 060 FCC 2.5G 25000 SL	K10398669123256	32	6	25	M6	60	34	1
HSK-C 32 WE08 060 FCC 2.5G 25000 SL	K10398670123256	32	8	28	M8	60	34	1
HSK-C 32 WE10 065 FCC 2.5G 25000 SL	K10398674123256	32	10	35	M10	65	40	1
HSK-C 40 WE06 060 FCC 2.5G 25000 SL	K10303669857256	40	6	25	M6	60	34	1
HSK-C 40 WE08 060 FCC 2.5G 25000 SL	K10303670338283	40	8	28	M8	60	34	1
HSK-C 40 WE10 065 FCC 2.5G 25000 SL	K10303674123256	40	10	35	M10	65	40	1
HSK-C 40 WE12 070 FCC 2.5G 25000 SL	K10303672125256	40	12	42	M12	70	46	1
HSK-C 40 WE16 075 FCC 2.5G 25000 SL	K10303632127256	40	16	48	M14	75	48	1
HSK-C 50 WE06 060 FCC 2.5G 25000 SL	K10309669338256	50	6	25	M6	60	34	1
HSK-C 50 WE08 060 FCC 2.5G 25000 SL	K10309670338256	50	8	28	M8	60	34	1
HSK-C 50 WE10 065 FCC 2.5G 25000 SL	K10309674123256	50	10	35	M10	65	40	1
HSK-C 50 WE12 075 FCC 2.5G 25000 SL	K10309672127256	50	12	42	M12	75	46	1
HSK-C 50 WE14 075 FCC 2.5G 25000 SL	K10309675127256	50	14	44	M12	75	46	1
HSK-C 50 WE16 080 FCC 2.5G 25000 SL	K10309632131256	50	16	48	M14	80	48	1
HSK-C 50 WE18 080 FCC 2.5G 25000 SL	K10309676131256	50	18	50	M14	80	48	1
HSK-C 50 WE20 080 FCC 2.5G 25000 SL	K10309633131256	50	20	52	M16	80	52	1
HSK-C 63 WE06 060 FCC 2.5G 25000 SL	K10302669338256	63	6	25	M6	60	34	1
HSK-C 63 WE08 060 FCC 2.5G 25000 SL	K10302670338256	63	8	28	M8	60	34	1
HSK-C 63 WE10 065 FCC 2.5G 25000 SL	K10302674123256	63	10	35	M10	65	40	1
HSK-C 63 WE12 075 FCC 2.5G 25000 SL	K10302672127256	63	12	42	M12	75	46	1
HSK-C 63 WE14 075 FCC 2.5G 25000 SL	K10302675127256	63	14	44	M12	75	46	1
HSK-C 63 WE16 080 FCC 2.5G 25000 SL	K10302632131256	63	16	48	M14	80	48	1
HSK-C 63 WE18 080 FCC 2.5G 25000 SL	K10302676131256	63	18	50	M14	80	48	1
HSK-C 63 WE20 080 FCC 2.5G 25000 SL	K10302633131256	63	20	52	M16	80	52	1
HSK-C 63 WE25 095 FCC 2.5G 25000 SL	K10302673140256	63	25	65	M18X2	95	56	2
HSK-C 63 WE32 100 FCC 2.5G 25000 SL	K10302677148256	63	32	72	M20X2	100	60	2

Accessories:

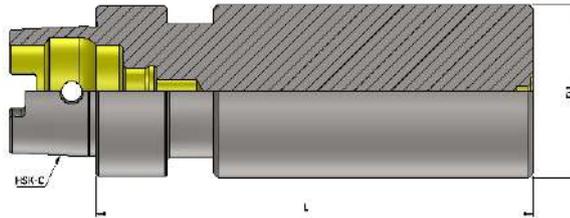


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These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-C (DIN 69893-1) Boring Bar Blank



HSK-C (DIN 69893-1) Boring Bar Blank

Item Name	Item Code	HSK-C	D1	L
HSK-C 32 BORING BAR BLANK DIA 40 L 160	K10398530331253	32	40	160
HSK-C 40 BORING BAR BLANK DIA 50 L 160	K10398530331254	40	50	160
HSK-C 50 BORING BAR BLANK DIA 63 L 200	K10309530331254	50	63	200
HSK-C 63 BORING BAR BLANK DIA 80 L 200	K10302530331254	63	80	200

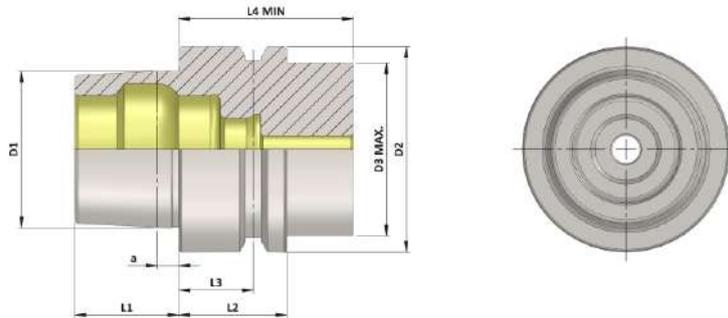
**Precision Tool Holders
HSK-E (DIN 69893-5)
&
HSK-F (DIN 69893-6)**



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②	Collet Chuck ER (DIN 6499) <ul style="list-style-type: none"> • Collet Chuck ER 		199
③	Weldon Type End Mill Holders (WE) (DIN 6359) (DIN 1835 B) <ul style="list-style-type: none"> • Weldon (WE) (DIN 6359) • Weldon (WE : FCC) (DIN 6359) 		200 - 201
④	Face Mill Holders (FMH) (DIN 6357) <ul style="list-style-type: none"> • FMH • FMH-K (Through Coolant) 		202 - 203

HSK- E (DIN 69893 - 5) : Technical Information



HSK-E	D1	D2	D3	a	L1	L2	L3	L4
32	24.007	32	26	3.2	16	20	16	35
40	30	40	34	4	20	20	16	35
50	38	50	42	5	25	26	18	42

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

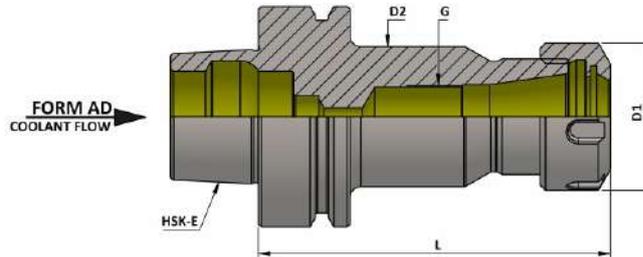
Accuracy :- Taper Angle Class AT 3

Note: All Dimensions are in mm

HSK - E (DIN 69893-5) Collet Chuck ER (DIN 6499)

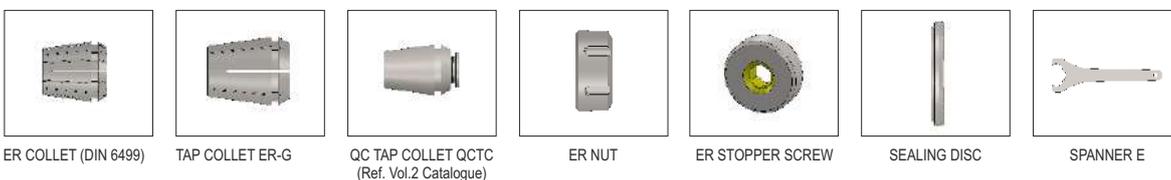


Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK - E (DIN 69893 - 5) Collet Chuck ER						(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	HSK - E	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
HSK-E 32 ER 16 060 2.5G 25000 SL	K10381149857209	32	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
HSK-E 32 ER 25 080 2.5G 25000 SL	K10381149131209	32	ER25	1.0-16	42	-	M18X1P	80	UM/ER25	E25	
HSK-E 40 ER 16 060 2.5G 25000 SL	K10321149857209	40	ER16	0.5-10	32	-	M10X1P	60	UM/ER16	E16	
HSK-E 40 ER 25 070 2.5G 25000 SL	K10321151125209	40	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
HSK-E 50 ER 16 100 2.5G 25000 SL	K10286149148209	50	ER16	0.5-10	32	-	M10X1P	100	UM/ER16	E16	
HSK-E 50 ER 25 070 2.5G 25000 SL	K10286151125209	50	ER25	1.0-16	42	-	M18X1P	70	UM/ER25	E25	
HSK-E 50 ER 32 080 2.5G 25000 SL	K10286152131209	50	ER32	2.0-20	50	-	M22X1.5P	80	UM/ER32	E32	
HSK-E 50 ER 40 100 2.5G 25000 SL	K10286153148209	50	ER40	3.0-26	63	-	M30X1.5P	100	UM/ER40	E40	
HSK-E 63 ER 32 075 2.5G 25000 SL	K10383152127209	63	ER32	2.0-20	50	-	M22X1.5P	75	UM/ER32	E32	
HSK-E 63 ER 40 080 2.5G 25000 SL	K10383153131209	63	ER40	3.0-26	63	-	M30X1.5P	80	UM/ER40	E40	

Accessories:

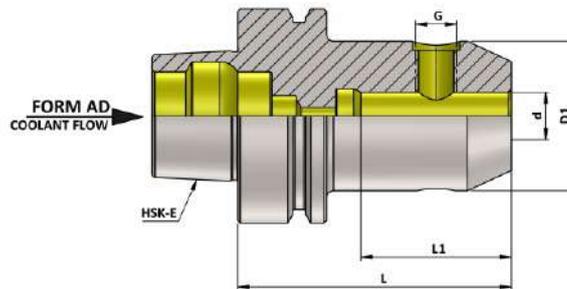


Note: All Dimensions are in mm

HSK-E (DIN 69893 -5) Weldon Type End Mill Holder (DIN 1835 B) (WE) (DIN 6359)



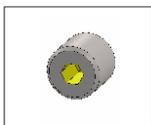
Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-E (DIN 69893 - 5) (WE) (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-E	d	D1	G	L	L1	Screw Qty
HSK-E 32 WE06 060 2.5G 25000 SL	K10381669857209	32	6	25	M6	60	34	1
HSK-E 32 WE08 060 2.5G 25000 SL	K10381670857209	32	8	28	M8	60	34	1
HSK-E 32 WE10 065 2.5G 25000 SL	K10381674123209	32	10	35	M10	65	40	1
HSK-E 32 WE12 065 2.5G 25000 SL	K10381672123209	32	12	42	M12	65	46	1
HSK-E 40 WE06 060 2.5G 25000 SL	K10321669857209	40	6	25	M6	60	34	1
HSK-E 40 WE08 060 2.5G 25000 SL	K10321670123209	40	8	28	M8	60	34	1
HSK-E 40 WE10 060 2.5G 25000 SL	K10321674123209	40	10	35	M10	60	40	1
HSK-E 40 WE12 070 2.5G 25000 SL	K10321672125209	40	12	42	M12	70	46	1
HSK-E 40 WE14 070 2.5G 25000 SL	K10321675125209	40	14	44	M12	70	46	1
HSK-E 40 WE16 075 2.5G 25000 SL	K10321632127209	40	16	48	M14	75	48	1
HSK-E 50 WE06 065 2.5G 25000 SL	K10286669123209	50	6	25	M6	65	34	1
HSK-E 50 WE08 065 2.5G 25000 SL	K10286670123209	50	8	28	M8	65	34	1
HSK-E 50 WE10 065 2.5G 25000 SL	K10286674123209	50	10	35	M10	65	40	1
HSK-E 50 WE12 080 2.5G 25000 SL	K10286672131209	50	12	42	M12	80	46	1
HSK-E 50 WE14 080 2.5G 25000 SL	K10286675131209	50	14	44	M12	80	46	1
HSK-E 50 WE16 080 2.5G 25000 SL	K10286632131209	50	16	48	M14	80	48	1
HSK-E 63 WE06 065 2.5G 25000 SL	K10383669123209	63	6	25	M6	65	34	1
HSK-E 63 WE08 065 2.5G 25000 SL	K10383670123209	63	8	28	M8	65	34	1
HSK-E 63 WE10 065 2.5G 25000 SL	K10383674123209	63	10	35	M10	65	40	1
HSK-E 63 WE12 080 2.5G 25000 SL	K10383672131209	63	12	42	M12	80	46	1
HSK-E 63 WE14 080 2.5G 25000 SL	K10383675131209	63	14	44	M12	80	46	1
HSK-E 63 WE16 080 2.5G 25000 SL	K10383632131209	63	16	48	M14	80	48	1
HSK-E 63 WE18 080 2.5G 25000 SL	K10383676131209	63	18	50	M14	80	48	1
HSK-E 63 WE20 080 2.5G 25000 SL	K10383633131209	63	20	52	M16	80	52	1

Accessories:



LOCKING SCREW WN

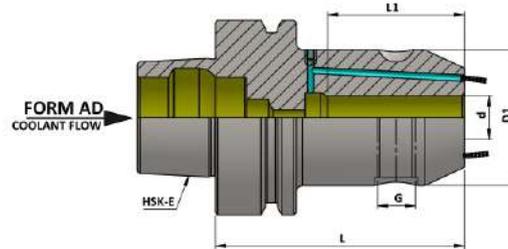
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK - E (DIN 69893-5) Weldon Type End Mill Holder (DIN 1835 B) (Face Coolant Channel) (WE : FCC) (DIN 6359)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK - E (DIN 69893 - 5) (WE : FCC) (Balanced to 2.5 G 25000 RPM)

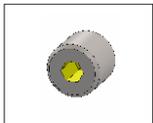
Item Name	Item Code	HSK-E	d	D1	G	L	L1	Screw Qty.
HHSK-E 32 WE06 060 FCC 2.5G 25000 SL	K10381669857256	32	6	25	M6	60	34	1
HSK-E 32 WE08 060 FCC 2.5G 25000 SL	K10381670857256	32	8	28	M8	60	34	1
HSK-E 32 WE10 065 FCC 2.5G 25000 SL	K10381674123256	32	10	35	M10	65	40	1
HSK-E 32 WE12 065 FCC 2.5G 25000 SL	K10381672123256	32	12	42	M12	65	46	1

HSK-E 40 WE06 060 FCC 2.5G 25000 SL	K10321669857256	40	6	25	M6	60	34	1
HSK-E 40 WE08 060 FCC 2.5G 25000 SL	K10321670857256	40	8	28	M8	60	34	1
HSK-E 40 WE10 060 FCC 2.5G 25000 SL	K10321674857256	40	10	35	M10	60	40	1
HSK-E 40 WE12 070 FCC 2.5G 25000 SL	K10321672125256	40	12	42	M12	70	46	1
HSK-E 40 WE14 070 FCC 2.5G 25000 SL	K10321675125256	40	14	44	M12	70	46	1
HSK-E 40 WE16 075 FCC 2.5G 25000 SL	K10321675127256	40	16	48	M14	75	48	1

HSK-E 50 WE06 065 FCC 2.5G 25000 SL	K10286669123256	50	6	25	M6	65	34	1
HSK-E 50 WE08 065 FCC 2.5G 25000 SL	K10286670123256	50	8	28	M8	65	34	1
HSK-E 50 WE10 065 FCC 2.5G 25000 SL	K10286674123256	50	10	35	M10	65	40	1
HSK-E 50 WE12 080 FCC 2.5G 25000 SL	K10286672131256	50	12	42	M12	80	46	1
HSK-E 50 WE14 080 FCC 2.5G 25000 SL	K10286675131256	50	14	44	M12	80	46	1
HSK-E 50 WE16 080 FCC 2.5G 25000 SL	K10286632131256	50	16	48	M14	80	48	1

HSK-E 63 WE06 065 FCC 2.5G 25000 SL	K10383669123256	63	6	25	M6	65	34	1
HSK-E 63 WE08 065 FCC 2.5G 25000 SL	K10383670123256	63	8	28	M8	65	34	1
HSK-E 63 WE10 065 FCC 2.5G 25000 SL	K10383674123256	63	10	35	M10	65	40	1
HSK-E 63 WE12 080 FCC 2.5G 25000 SL	K10383672131256	63	12	42	M12	80	46	1
HSK-E 63 WE14 080 FCC 2.5G 25000 SL	K10383675131256	63	14	44	M12	80	46	1
HSK-E 63 WE16 080 FCC 2.5G 25000 SL	K10383632131256	63	16	48	M14	80	48	1
HSK-E 63 WE18 080 FCC 2.5G 25000 SL	K10383676131256	63	18	50	M14	80	48	1
HSK-E 63 WE20 080 FCC 2.5G 25000 SL	K10383633131256	63	20	52	M16	80	52	1

Accessories:



LOCKING SCREW WN

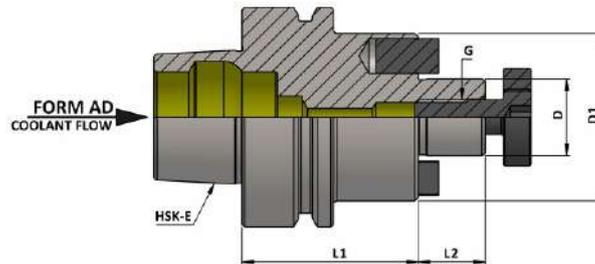
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-E (DIN 69893-5) Face Mill Holder (DIN 6357) FMH

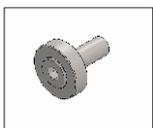


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-E (DIN 69893-5) FMH				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	HSK-E	D	D1	L1	L2	G
HSK-E 40 FMH16 050 2.5G 25000 SL SP.S	K10321632617256	40	16	38	50	17	M8 X 1.25P
HSK-E 50 FMH16 050 2.5G 25000 SL SP.S	K10286126617236	50	16	38	50	17	M8 X 1.25P
HSK-E 50 FMH22 060 2.5G 25000 SL SP.S	K10286127563236	50	22	48	60	19	M10 X 1.5P
HSK-E 63 FMH16 050 2.5G 25000 SL SP.S	K10383126617236	63	16	38	50	17	M8 X 1.25P
HSK-E 63 FMH22 050 2.5G 25000 SL SP.S	K10383127617236	63	22	48	50	19	M10 X 1.5P

Accessories:



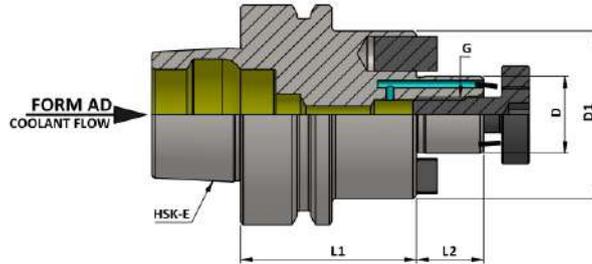
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-E (DIN 69893-5) Face Mill Holder (Through Coolant) (DIN 6357) FMH - K

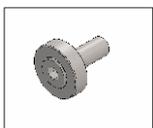


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-E (DIN 69893-5) FMH - K				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	HSK-E	D	D1	L1	L2	G
HSK-E 40 FMH-K16 050 2.5G 25000 SL SP.S	K10321131617236	40	16	38	50	17	M8 X 1.25P
HSK-E 50 FMH-K16 050 2.5G 25000 SL SP.S	K10286131617236	50	16	38	50	17	M8 X 1.25P
HSK-E 50 FMH-K22 060 2.5G 25000 SL SP.S	K10286132857236	50	22	48	60	19	M10 X 1.5P
HSK-E 63 FMH-K16 050 2.5G 25000 SL SP.S	K10383131617236	63	16	38	50	17	M8 X 1.25P
HSK-E 63 FMH-K22 050 2.5G 25000 SL SP.S	K10383132617236	63	22	48	50	19	M10 X 1.5P

Accessories:



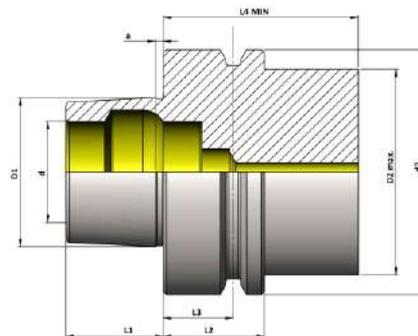
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

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HSK- F (DIN 69893 - 6) Form F : Technical Information



HSK-F	d	D1	D2	D3	a	L1	L2	L3	L4
63	26	38	53	63	5	25	26	18	42

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²

Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.

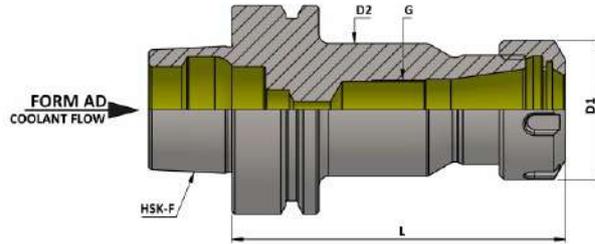
Accuracy :- Taper Angle Class AT 3

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Collet Chuck (ER) (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-F (DIN 69893 - 6) Collet Chuck (ER)					(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	HSK-F	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
HSK-63F ER 16 060 2.5G 25000 SL	K10260149117227	63	ER 16	0.5-10	32	-	M10X1	60	UM/ER16	E16	
HSK-63F ER 16 100 2.5G 25000 SL	K10260149148227	63	ER 16	0.5-10	32	-	M10X1	100	UM/ER16	E16	
HSK-63F ER 16 160 2.5G 25000 SL	K10260149175227	63	ER 16	0.5-10	32	-	M10X1	160	UM/ER16	E16	
HSK-63F ER 25 075 2.5G 25000 SL	K10260151127227	63	ER 25	1.0-16	42	-	M18X1	75	UM/ER25	E25	
HSK-63F ER 25 100 2.5G 25000 SL	K10260151148227	63	ER 25	1.0-16	42	-	M18X1	100	UM/ER25	E25	
HSK-63F ER 25 160 2.5G 25000 SL	K10260151175227	63	ER 25	1.0-16	42	-	M18X1	160	UM/ER25	E25	
HSK-63F ER 32 075 2.5G 25000 SL	K10260152127227	63	ER 32	2.0-20	50	-	M22X1.5	75	UM/ER32	E32	
HSK-63F ER 32 100 2.5G 25000 SL	K10260152148227	63	ER 32	2.0-20	50	-	M22X1.5	100	UM/ER32	E32	
HSK-63F ER 32 160 2.5G 25000 SL	K10260152175227	63	ER 32	2.0-20	50	-	M22X1.5	160	UM/ER32	E32	
HSK-63F ER 40 075 2.5G 25000 SL	K10260153127227	63	ER 40	3.0-26	63	-	M30X1.5	75	UM/ER40	E40	
HSK-63F ER 40 100 2.5G 25000 SL	K10260153148227	63	ER 40	3.0-26	63	-	M30X1.5	100	UM/ER40	E40	
HSK-63F ER 40 160 2.5G 25000 SL	K10260153175227	63	ER 40	3.0-26	63	-	M30X1.5	160	UM/ER40	E40	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



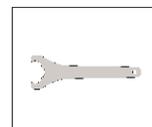
ER NUT



ER STOPPER SCREW



SEALING DISC



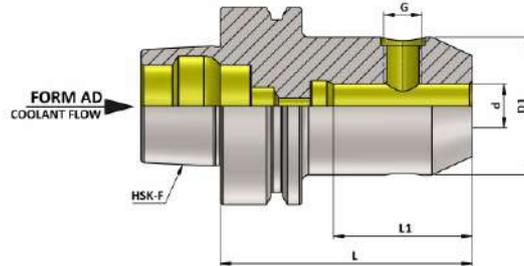
SPANNER E

Note: All Dimensions are in mm

HSK-F (DIN 69893 -6) Weldon Type End Mill Holder (WE) (DIN 6359)

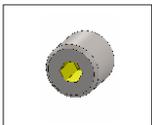


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-F (DIN 69893 - 6) (WE)		(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	HSK-F	d	D1	G	L	L1	Screw Qty
HSK-63F WE06 065 2.5G 25000 SL	K10260111123227	63	6	25	M6	65	34	1
HSK-63F WE08 065 2.5G 25000 SL	K10260112123227	63	8	28	M8	65	34	1
HSK-63F WE10 065 2.5G 25000 SL	K10260113123227	63	10	35	M10	65	40	1
HSK-63F WE12 080 2.5G 25000 SL	K10260114131227	63	12	42	M12	80	46	1
HSK-63F WE14 080 2.5G 25000 SL	K10260258131227	63	14	44	M12	80	46	1
HSK-63F WE16 080 2.5G 25000 SL	K10260115131227	63	16	48	M14	80	48	1
HSK-63F WE18 080 2.5G 25000 SL	K10260259131227	63	18	50	M14	80	48	1
HSK-63F WE20 080 2.5G 25000 SL	K10260116131227	63	20	52	M16	80	52	1
HSK-63F WE25 110 2.5G 25000 SL	K10260117156227	63	25	65	M18X2	110	56	2
HSK-63F WE32 110 2.5G 25000 SL	K10260118156227	63	32	72	M20X2	110	60	2

Accessories:



LOCKING SCREW WN

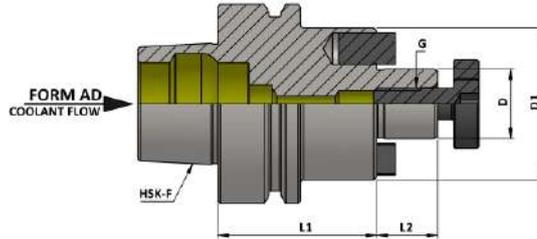
These holders are most suitable for Weldon type End Mill as per standard DIN 1835 - B

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Face Mill Holder (DIN 6357) FMH



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied

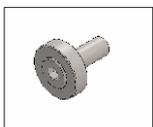


HSK-F (DIN 69893-6) FMH (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-F	D	D1	L1	L2	G
HSK-63F FMH16 045 2.5G 25000SL SP.S	K10260126369239	63	16	38	45	17	M8 X 1.25P
HSK-63F FMH16 100 2.5G 25000SL SP.S	K10260126148239	63	16	38	100	17	M8 X 1.25P
HSK-63F FMH22 050 2.5G 25000SL SP.S	K10260127617239	63	22	48	50	19	M10 X 1.5P
HSK-63F FMH22 100 2.5G 25000SL SP.S	K10260127148239	63	22	48	100	19	M10 X 1.5P
HSK-63F FMH27 055 2.5G 25000SL SP.S	K10260128617239	63	27	58	55	21	M12 X 1.75P
HSK-63F FMH27 100 2.5G 25000SL SP.S	K10260128148239	63	27	58	100	21	M12 X 1.75P
HSK-63F FMH32 060 2.5G 25000SL SP.S	K10260129857239	63	32	78	60	24	M16 X 2P
HSK-63F FMH32 100 2.5G 25000SL SP.S	K10260129148239	63	32	78	100	24	M16 X 2P
HSK-63F FMH40 065 2.5G 25000SL SP.S	K10260126175239	63	40	88	65	27	M20 X 2.5P
HSK-63F FMH40 100 2.5G 25000SL SP.S	K10260127175239	63	40	88	100	27	M20 X 2.5P

HSK-63F FMH 3/4" 4.0" 2.5G 25000 SL	K10260617863283	63	3/4"	2"	4.0"	0.687"	3/8"-24 UNF - 2B x 1"
HSK-63F FMH 1.0" 4.0" 2.5G 25000 SL	K10260616863283	63	1.0"	2.375"	4.0"	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-63F FMH 1 1/4" 2.75" 2.5G 25000 SL	K10260618683283	63	1 1/4"	2.875"	2.75"	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-63F FMH 1 1/4" 4.0" 2.5G 25000 SL	K10260618863283	63	1 1/4"	2.875"	4.0"	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-63F FMH 1 1/2" 4.0" 2.5G 25000 SL	K10260620863283	63	1 1/2"	3.750"	4.0"	0.938"	3/4"-16 UNF - 2B x 1 1/2"

Accessories:



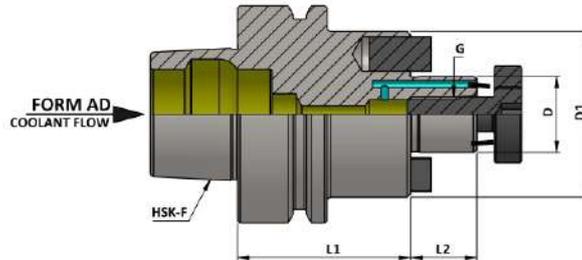
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Face Mill Holder Through Coolant (DIN 6357) FMH -K



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied

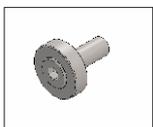


HSK-F (DIN 69893-6) FMH -K (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-F	D	D1	L1	L2	G
HSK-63F FMH-K16 045 2.5G 25000 SL SP.S	K10260131108239	63	16	38	45	17	M8 X 1.25P
HSK-63F FMH-K16 100 2.5G 25000 SL SP.S	K10260131148239	63	16	38	100	17	M8 X 1.25P
HSK-63F FMH-K22 050 2.5G 25000 SL SP.S	K10260132111239	63	22	48	50	19	M10 X 1.5P
HSK-63F FMH-K22 100 2.5G 25000 SL SP.S	K10260132148239	63	22	48	100	19	M10 X 1.5P
HSK-63F FMH-K27 055 2.5G 25000 SL SP.S	K10260133115239	63	27	58	55	21	M12 X 1.75P
HSK-63F FMH-K27 100 2.5G 25000 SL SP.S	K10260133148239	63	27	58	100	21	M12 X 1.75P
HSK-63F FMH-K32 060 2.5G 25000 SL SP.S	K10260134117239	63	32	78	60	24	M16 X 2P
HSK-63F FMH-K32 100 2.5G 25000 SL SP.S	K10260134148239	63	32	78	100	24	M16 X 2P
HSK-63F FMH-K40 065 2.5G 25000 SL SP.S	K10260135123239	63	40	88	65	27	M20 X 2.5P
HSK-63F FMH-K40 100 2.5G 25000 SL SP.S	K10260135148239	63	40	88	100	27	M20 X 2.5P

HSK-63F FMH-K3/4" 4.0" 2.5G 25000 SL	K10260958863283	63	3/4"	2"	4.0"	0.687"	3/8"-24 UNF - 2B x 1"
HSK-63F FMH-K1.0" 4.0" 2.5G 25000 SL	K10260959863283	63	1.0"	2.375"	4.0"	0.687"	1/2"-20 UNF - 2B x 1 1/4"
HSK-63F FMH-K1-1/4" 2.75" 2.5G 25000 SL	K10260960683283	63	1 1/4"	2.875"	2.75"	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-63F FMH-K1-1/4" 4.0" 2.5G 25000 SL	K10260960863283	63	1 1/4"	2.875"	4.0"	0.687"	5/8"-18 UNF - 2B x 1 1/4"
HSK-63F FMH-K1-1/2" 4.0" 2.5G 25000 SL	K10260639276283	63	1 1/2"	3.750"	4.0"	0.938"	3/4"-16 UNF - 2B x 1 1/2"

Accessories:



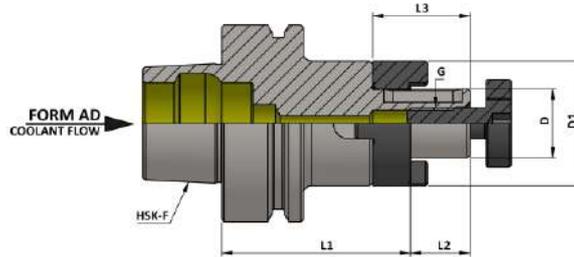
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Combi Shell Mill Adaptor (DIN 6358) CSMA



Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



HSK-F (DIN 69893-6) CSMA			(Balanced to 2.5 G 25000 RPM)						
Item Name	Item Code	HSK-F	D	D1	L1	L2	L3	G	
HSK-63F CSMA16 060 2.5G 25000SL SP.S	K10260121117239	63	16	32	60	17	27	M8 X 1.25P	
HSK-63F CSMA22 060 2.5G 25000SL SP.S	K10260122117239	63	22	40	60	19	31	M10 X 1.5P	
HSK-63F CSMA27 060 2.5G 25000SL SP.S	K10260123117239	63	27	48	60	21	33	M12 X 1.75P	
HSK-63F CSMA32 065 2.5G 25000SL SP.S	K10260124123239	63	32	58	65	24	38	M16 X 2P	
HSK-63F CSMA40 070 2.5G 25000SL SP.S	K10260125125239	63	40	70	70	27	41	M20 X 2.5P	

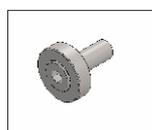
Accessories:



CSMA DRIVER RING



CSMA KEY



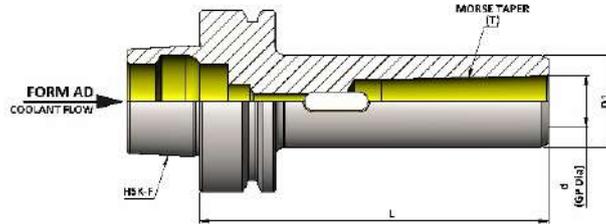
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Morse Taper Adaptor (DIN 6383) (MTA)



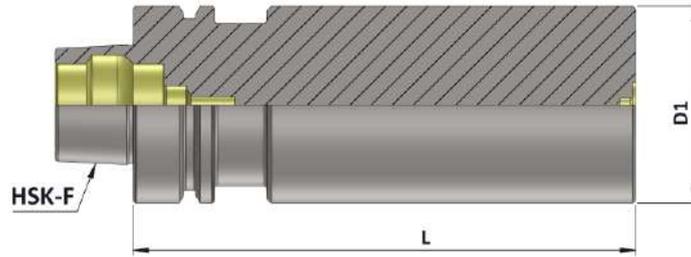
Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



HSK-F (DIN 69893-6) MTA				(Balanced to 2.5 G 25000 RPM)		
Item Name	Item Code	HSK-F	Morse Taper(T)	d (GP)	D1	L
HSK-63F MT01 100 2.5G 25000 SL	K10260447148227	63	1	12.065	25	100
HSK-63F MT02 120 2.5G 25000 SL	K10260448162227	63	2	17.780	32	120
HSK-63F MT03 140 2.5G 25000 SL	K10260449169227	63	3	23.825	40	140
HSK-63F MT04 160 2.5G 25000 SL	K10260451175227	63	4	31.267	48	160

Note: All Dimensions are in mm

HSK-F (DIN 69893-6) Boring Bar Blank

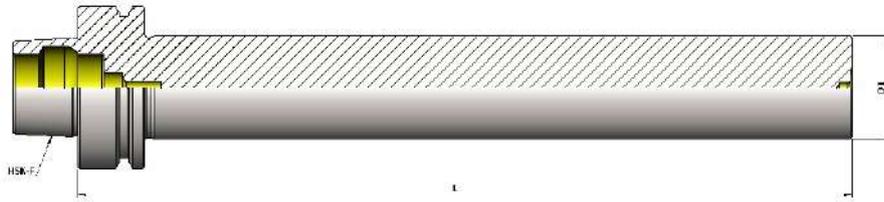


HSK-F (DIN 69893-6) Boring Bar Blank				
Item Name	Item Code	HSK-F	D1	L
HSK-63F BORING BAR BLANK DIA 63.0 200	K10260263239227	63	63	200

HSK-F (DIN 69893-6) Master Mandrell



Maximum Run out of the External Dia with respect to the External Taper 0.003 mm



HSK-F (DIN 69893-6) Master Mandrell			(Sub Zero Treated)	
Item Name	Item Code	HSK-F	D1	L
HSK-63F MASTER MANDREL DIA40 300	K102601651832227	63	40	300

Note: All Dimensions are in mm

Features:

- For Mounting of Screw type Modular Milling Cutters.
- Slim Design & hence easy to reach at deep cavities.
- Unibody Construction.
- All "KTA" Milling Cutter Arbors are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

Available In Mountings:

- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)

Balancing:

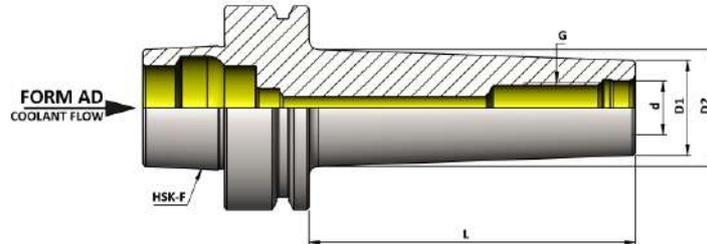
- Balanced To 2.5 G 25000RPM



HSK-F(DIN 69893-6) Milling Cutter Arbor (MCA) (AD+B) (JD/JF)



Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



HSK-F(DIN 69893-6) (MCA) (AD+B) (JD/JF)				(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	HSK-F	d	D1	D2	G	L
HSK-63F MCA06 025 2.5G 25000 SL	K10260137101227	63	6.5	10	13	M6	25
HSK-63F MCA06 050 2.5G 25000 SL	K10260137111227	63	6.5	10	21	M6	50
HSK-63F MCA08 025 2.5G 25000 SL	K10260138101227	63	8.5	13	15	M8	25
HSK-63F MCA08 050 2.5G 25000 SL	K10260138111227	63	8.5	13	23	M8	50
HSK-63F MCA10 025 2.5G 25000 SL	K10260139101227	63	10.5	18	20	M10	25
HSK-63F MCA10 050 2.5G 25000 SL	K10260139111227	63	10.5	18	23	M10	50
HSK-63F MCA12 025 2.5G 25000 SL	K10260140101227	63	12.5	21	24	M12	25
HSK-63F MCA12 050 2.5G 25000 SL	K10260140111227	63	12.5	21	24	M12	50
HSK-63F MCA12 100 2.5G 25000 SL	K10260140148227	63	12.5	21	33	M12	100
HSK-63F MCA12 150 2.5G 25000 SL	K10260140173227	63	12.5	21	40	M12	150
HSK-63F MCA16 025 2.5G 25000 SL	K10260141101227	63	17	29	29	M16	25
HSK-63F MCA16 050 2.5G 25000 SL	K10260141111227	63	17	29	34	M16	50
HSK-63F MCA16 100 2.5G 25000 SL	K10260141148227	63	17	29	36	M16	100
HSK-63F MCA16 150 2.5G 25000 SL	K10260141173227	63	17	29	42.5	M16	150

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant supply only.

Features:

- Quick Change features to suit KTA-Quick Change Adaptors with and without safety clutch.
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences.
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

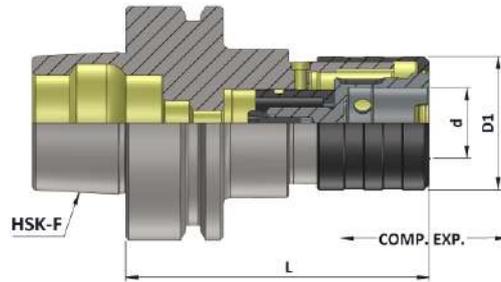
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- VDI Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



HSK-F (DIN 69893-6) Quick Change Tapping Chuck (KWFLK)



HSK-F (DIN 69893-6) (KWFLK)									
Item Name	Item Code	HSK-F	Capacity	Suitable Adaptor	Compr.	Expan.	d	D1	L
HSK-63F KWFLK1 81	K10260169490127	63	M3-M12	KWES1B	7.5	7.5	19	36	81
HSK-63F KWFLK2 119	K10260170489127	63	M6-M20	KWES2B	12.5	12.5	31	53	119
HSK-63F KWFLK3 176.0	K10260171301127	63	M14-M33	KWES3B	20	20	48	78	176

Accessories:



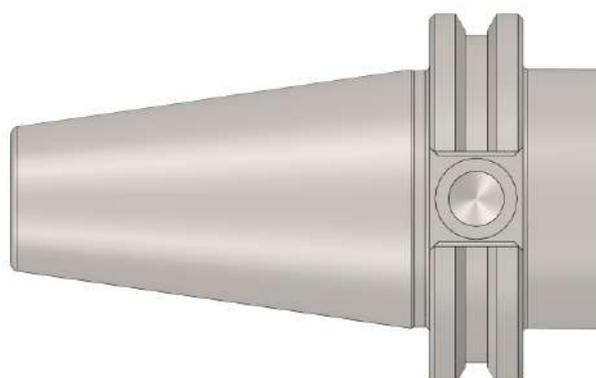
Tap Adaptor KWES B & KWESK B



Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

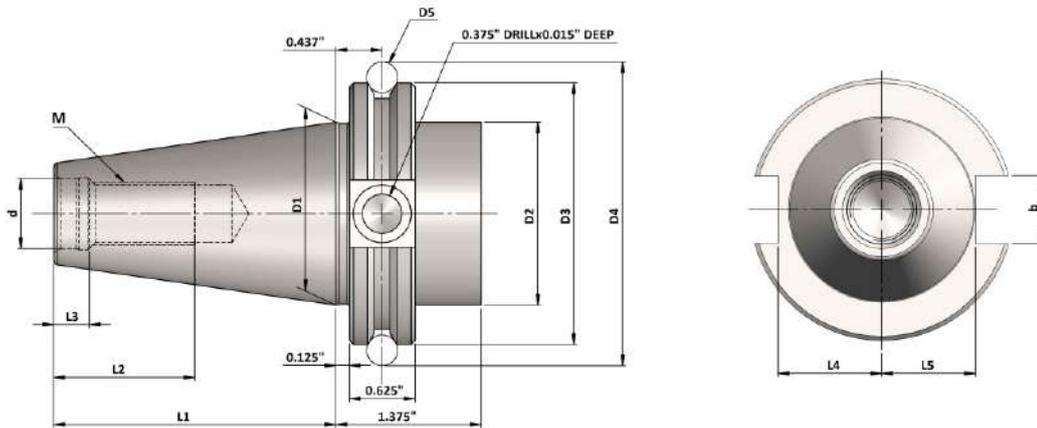
Precision Tool Holders CAT (ANSI B 5.50)



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③	Side Lock Adaptors (SLA) <ul style="list-style-type: none"> • Side Lock Adaptors (SLA) (AD) • Side Lock Adaptors Long Series (SLA) (AD) 		227 - 232
④	Face Mill Holders (FMH) (DIN 6357) <ul style="list-style-type: none"> • FMH • FMH-K (Through Coolant) 		233 - 240
⑤	Morse Taper Adaptor (MTA) (DIN 6383)		241
⑥	Boring Bar Blank		242
⑦	NC Drill Chuck (NCDC)		243
⑧	Quick Change Tapping Chuck (KWFLK)		244 - 245

CAT (ANSI B 5.50) : Technical Information



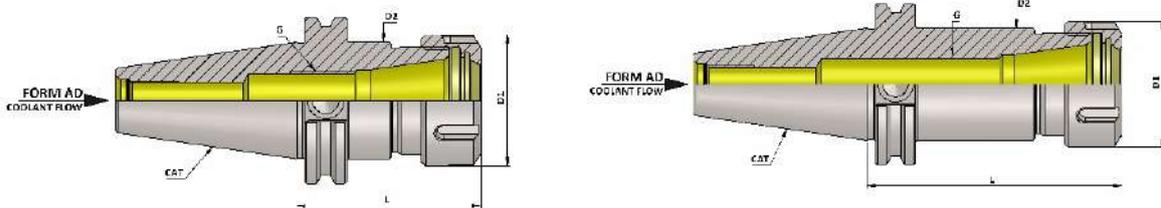
CAT	d	D1	D2	D3	D4	D5	b	M	L1	L2	L3	L4	L5
40	0.641"	1.750"	1.750"	2.500"	2.863"	0.2813"	0.645"	5/8"-11"	2.687"	1.12"	0.188"	0.985"	0.890"
50	1.031"	2.750"	2.750"	3.875"	4.238"	0.2813"	1.020"	1"- 8"	4.000"	1.75"	0.250"	1.485"	1.390"

Material :- Case hardened steel, Tensile strength in the core min. 950 N/mm²
 Execution :- Case hardened to HRC 58 ±2, Case Depth 0.8mm., Silver finish.
 Accuracy :- 7:24 Taper Angle Class AT 3 As per DIN 2080

CAT (ANSI B 5.50) Collet Chuck (ER)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) Collet Chuck (ER)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	CAT	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
CAT40 ER 16 070 2.5G 25000 SL	K10203149125122	40	ER16	0.0156"-0.375"	32	44.45	M10X1	70	UM/ER16	E16	
CAT40 ER 16 100 2.5G 25000 SL	K10203149148122	40	ER16	0.0156"-0.375"	32	44.45	M10X1	100	UM/ER16	E16	
CAT40 ER 16 130 2.5G 25000 SL	K10345660621248	40	ER16	0.0156"-0.375"	32	44.45	M10X1	130	UM/ER16	E16	
CAT40 ER 16 160 2.5G 25000 SL	K10203149175122	40	ER16	0.0156"-0.375"	32	44.45	M10X1	160	UM/ER16	E16	
CAT40 ER 20 070 2.5G 25000 SL	K10203150125122	40	ER20	0.0625"-0.5"	35	44.45	M10X1	70	UM/ER20	E20	
CAT40 ER 20 100 2.5G 25000 SL	K10203150148122	40	ER20	0.0625"-0.5"	35	44.45	M10X1	100	UM/ER20	E20	
CAT40 ER 20 130 2.5G 25000 SL	K10345660621308	40	ER20	0.0625"-0.5"	35	44.45	M10X1	130	UM/ER20	E20	
CAT40 ER 20 160 2.5G 25000 SL	K10203150175122	40	ER20	0.0625"-0.5"	35	44.45	M10X1	160	UM/ER20	E20	
CAT40 ER 25 070 2.5G 25000 SL	K10203151125122	40	ER25	0.0625"-0.625"	42	44.45	M18X1	70	UM/ER25	E25	
CAT40 ER 25 100 2.5G 25000 SL	K10203151148122	40	ER25	0.0625"-0.625"	42	44.45	M18X1	100	UM/ER25	E25	
CAT40 ER 25 130 2.5G 25000 SL	K10345660628308	40	ER25	0.0625"-0.625"	42	44.45	M18X1	130	UM/ER25	E25	
CAT40 ER 25 160 2.5G 25000 SL	K10203151175122	40	ER25	0.0625"-0.625"	42	44.45	M18X1	160	UM/ER25	E25	
CAT40 ER 32 070 2.5G 25000 SL	K10203152125122	40	ER32	0.125"-0.75"	50	44.45	M22X1.5	70	UM/ER32	E32	
CAT40 ER 32 100 2.5G 25000 SL	K10203152148122	40	ER32	0.125"-0.75"	50	44.45	M22X1.5	100	UM/ER32	E32	
CAT40 ER 32 130 2.5G 25000 SL	K10345660627308	40	ER32	0.125"-0.75"	50	44.45	M22X1.5	130	UM/ER32	E32	
CAT40 ER 32 160 2.5G 25000 SL	K10203152175122	40	ER32	0.125"-0.75"	50	44.45	M22X1.5	160	UM/ER32	E32	
CAT40 ER 40 070 2.5G 25000 SL	K10203153125122	40	ER40	0.125"-1.00"	63	44.45	M30X1.5	70	UM/ER40	E40	
CAT40 ER 40 100 2.5G 25000 SL	K10203153148122	40	ER40	0.125"-1.00"	63	44.45	M30X1.5	100	UM/ER40	E40	
CAT40 ER 40 130 2.5G 25000 SL	K10345664627308	40	ER40	0.125"-1.00"	63	44.45	M30X1.5	130	UM/ER40	E40	
CAT40 ER 40 160 2.5G 25000 SL	K10203153175122	40	ER40	0.125"-1.00"	63	44.45	M30X1.5	160	UM/ER40	E40	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



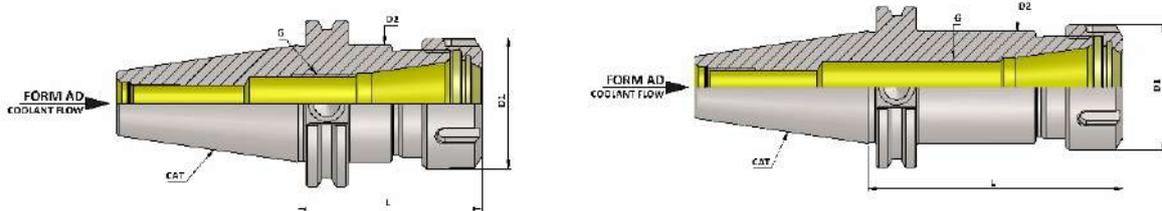
SPANNER E

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Collet Chuck (ER)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) Collet Chuck (ER)											(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	CAT	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner	
CAT50 ER 16 070 2.5G 25000 SL	K10204149125122	50	ER16	0.0156"-0.375"	32	69.85	M10X1	70	UM/ER16	E16	
CAT50 ER 16 100 2.5G 25000 SL	K10204149148122	50	ER16	0.0156"-0.375"	32	69.85	M10X1	100	UM/ER16	E16	
CAT50 ER 16 130 2.5G 25000 SL	K10204149165122	50	ER16	0.0156"-0.375"	32	69.85	M10X1	130	UM/ER16	E16	
CAT50 ER 16 160 2.5G 25000 SL	K10204149175122	50	ER16	0.0156"-0.375"	32	69.85	M10X1	160	UM/ER16	E16	
CAT50 ER 20 070 2.5G 25000 SL	K10204150125122	50	ER20	0.0625"-0.5"	35	69.85	M10X1	70	UM/ER20	E20	
CAT50 ER 20 100 2.5G 25000 SL	K10204150148122	50	ER20	0.0625"-0.5"	35	69.85	M10X1	100	UM/ER20	E20	
CAT50 ER 20 130 2.5G 25000 SL	K10204150165122	50	ER20	0.0625"-0.5"	35	69.85	M10X1	130	UM/ER20	E20	
CAT50 ER 20 160 2.5G 25000 SL	K10204150175122	50	ER20	0.0625"-0.5"	35	69.85	M10X1	160	UM/ER20	E20	
CAT50 ER 25 070 2.5G 25000 SL	K10204151125122	50	ER25	0.0625"-0.625"	42	69.85	M18X1	70	UM/ER25	E25	
CAT50 ER 25 100 2.5G 25000 SL	K10204151148122	50	ER25	0.0625"-0.625"	42	69.85	M18X1	100	UM/ER25	E25	
CAT50 ER 25 130 2.5G 25000 SL	K10345664627225	50	ER25	0.0625"-0.625"	42	69.85	M18X1	130	UM/ER25	E25	
CAT50 ER 25 160 2.5G 25000 SL	K10204151175122	50	ER25	0.0625"-0.625"	42	69.85	M18X1	160	UM/ER25	E25	
CAT50 ER 32 080 2.5G 25000 SL	K10204152131122	50	ER32	0.125"-0.75"	50	69.85	M22X1.5	80	UM/ER32	E32	
CAT50 ER 32 100 2.5G 25000 SL	K10204152148122	50	ER32	0.125"-0.75"	50	69.85	M22X1.5	100	UM/ER32	E32	
CAT50 ER 32 130 2.5G 25000 SL	K10345664626225	50	ER32	0.125"-0.75"	50	69.85	M22X1.5	130	UM/ER32	E32	
CAT50 ER 32 160 2.5G 25000 SL	K10204152175122	50	ER32	0.125"-0.75"	50	69.85	M22X1.5	160	UM/ER32	E32	
CAT50 ER 40 080 2.5G 25000 SL	K10204153131122	50	ER40	0.125"-1.00"	63	69.85	M30X1.5	80	UM/ER40	E40	
CAT50 ER 40 100 2.5G 25000 SL	K10204153148122	50	ER40	0.125"-1.00"	63	69.85	M30X1.5	100	UM/ER40	E40	
CAT50 ER 40 130 2.5G 25000 SL	K10345664626146	50	ER40	0.125"-1.00"	63	69.85	M30X1.5	130	UM/ER40	E40	
CAT50 ER 40 160 2.5G 25000 SL	K10204153175122	50	ER40	0.125"-1.00"	63	69.85	M30X1.5	160	UM/ER40	E40	
CAT50 ER 50 100 2.5G 25000 SL	K10204154148122	50	ER50	0.25"-1.25"	78	69.85	M16X2	100	UM/ER50	E50	
CAT50 ER 50 160 2.5G 25000 SL	K10204154175122	50	ER50	0.25"-1.25"	78	69.85	M16X2	160	UM/ER50	E50	

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



ER NUT



ER STOPPER SCREW



SEALING DISC



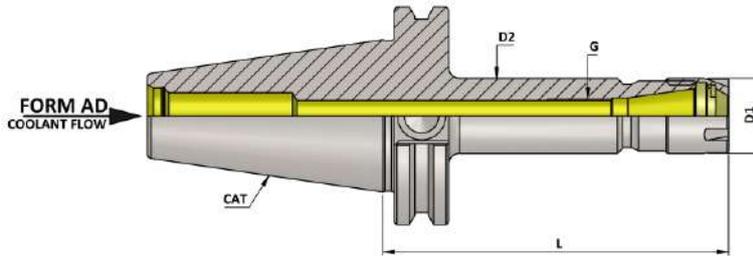
SPANNER E

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Collet Chuck ER-M Type



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) Collet Chuck ER-M Type					(Balanced to 2.5 G 25000 RPM)					
Item Name	Item Code	CAT	Suitable Collet	Collet Capacity	D1	D2	G	L	Nut	Spanner
CAT40 ER11M 050 AD/ 2.5G 25000 SL	K10203156617282	40	ER11	0.0196"- 0.275"	16	16	M6 x 1P	50	UM/ER11 M	E11 M
CAT40 ER11M 100 AD/ 2.5G 25000 SL	K10203156148282	40	ER11	0.0196"- 0.275"	16	16	M6 x 1P	100	UM/ER11 M	E11 M
CAT40 ER11M 130 AD/ 2.5G 25000 SL	K10203156165282	40	ER11	0.0196"- 0.275"	16	16	M6 x 1P	130	UM/ER11 M	E11 M
CAT40 ER11M 160 AD/ 2.5G 25000 SL	K10203156175282	40	ER11	0.0196"- 0.275"	16	16	M6 x 1P	160	UM/ER11 M	E11 M
CAT40 ER16M 070 AD/ 2.5G 25000 SL	K10203157125282	40	ER16	0.0156"- 0.375"	22	22	M10 x 1P	70	UM/ER16 M	E16 M
CAT40 ER16M 100 AD/ 2.5G 25000 SL	K10203157148282	40	ER16	0.0156"- 0.375"	22	22	M10 x 1P	100	UM/ER16 M	E16 M
CAT40 ER16M 130 AD/ 2.5G 25000 SL	K10203157165282	40	ER16	0.0156"- 0.375"	22	22	M10 x 1P	130	UM/ER16 M	E16 M
CAT40 ER16M 160 AD/ 2.5G 25000 SL	K10203157175282	40	ER16	0.0156"- 0.375"	22	22	M10 x 1P	160	UM/ER16 M	E16 M
CAT40 ER20M 070 AD/ 2.5G 25000 SL	K10203158125282	40	ER20	0.0625"-0.5"	28	28	M10 x 1P	70	UM/ER20 M	E20 M
CAT40 ER20M 100 AD/ 2.5G 25000 SL	K10203158148282	40	ER20	0.0625"-0.5"	28	28	M10 x 1P	100	UM/ER20 M	E20 M
CAT40 ER20M 130 AD/ 2.5G 25000 SL	K10203158165282	40	ER20	0.0625"-0.5"	28	28	M10 x 1P	130	UM/ER20 M	E20 M
CAT40 ER20M 160 AD/ 2.5G 25000 SL	K10203158175282	40	ER20	0.0625"-0.5"	28	28	M10 x 1P	160	UM/ER20 M	E20 M
CAT40 ER25M 070 AD/ 2.5G 25000 SL	K10203159125282	40	ER25	0.0625"-0.625"	35	35	M18 x 1P	70	UM/ER25 M	E25 M
CAT40 ER25M 100 AD/ 2.5G 25000 SL	K10203159148282	40	ER25	0.0625"-0.625"	35	35	M18 x 1P	100	UM/ER25 M	E25 M
CAT40 ER25M 130 AD/ 2.5G 25000 SL	K10168159165282	40	ER25	0.0625"-0.625"	35	35	M18 x 1P	130	UM/ER25 M	E25 M
CAT40 ER25M 160 AD/ 2.5G 25000 SL	K10203159175282	40	ER25	0.0625"-0.625"	35	35	M18 x 1P	160	UM/ER25 M	E25 M
CAT50 ER16M 100 AD/ 2.5G 25000 SL	K10204157148282	50	ER16	0.0156"- 0.375"	22	22	M10 x 1P	100	UM/ER16 M	E16 M
CAT50 ER16M 130 AD/ 2.5G 25000 SL	K10204157165282	50	ER16	0.0156"- 0.375"	22	22	M10 x 1P	130	UM/ER16 M	E16 M
CAT50 ER16M 160 AD/ 2.5G 25000 SL	K10204157175282	50	ER16	0.0156"- 0.375"	22	22	M10 x 1P	160	UM/ER16 M	E16 M
CAT50 ER20M 100 AD/ 2.5G 25000 SL	K10204158148282	50	ER20	0.0625"-0.5"	28	28	M10 x 1P	100	UM/ER20 M	E20 M
CAT50 ER20M 130 AD/ 2.5G 25000 SL	K10204158175282	50	ER20	0.0625"-0.5"	28	28	M10 x 1P	130	UM/ER20 M	E20 M
CAT50 ER20M 160 AD/ 2.5G 25000 SL	K10204158165282	50	ER20	0.0625"-0.5"	28	28	M10 x 1P	160	UM/ER20 M	E20 M

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



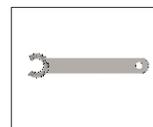
ER M NUT



ER STOPPER SCREW



SEALING DISC



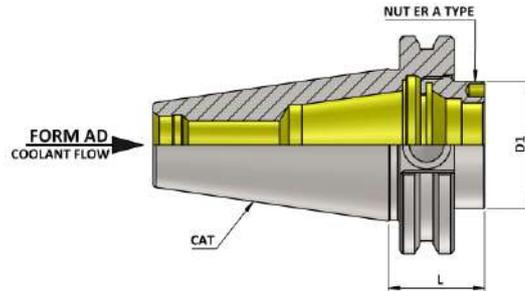
SPANNER ER-M

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Short Length Collet Chuck ER-A



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) Short Length Collet Chuck ER-A					(Balanced to 2.5 G 25000 RPM)			
Item Name	Item Code	CAT	Suitable Collet	Collet Capacity	D1	L	Suitable Nut	
CAT40 ER 32A 27.94 AD/2.5G25000 SL	K10203244247110	40	ER32	0.125" - 0.75"	40	27.94	ER32A	
CAT50 ER 32A 27.94 AD/2.5G25000 SL	K10204244247110	50	ER32	0.125" - 0.75"	40	27.94	ER32A	

Accessories:



ER COLLET (DIN 6499)



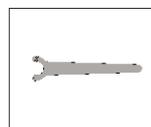
ER TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



ERA TYPE NUT



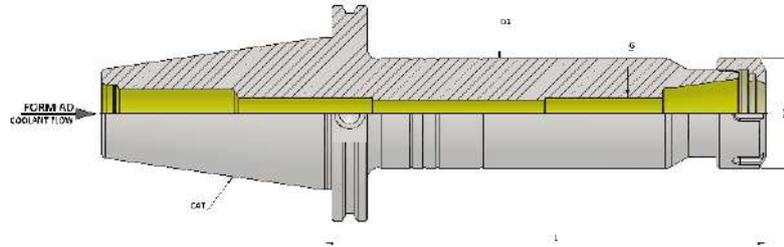
ERA TYPE SPANNER

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Collet Chuck ER AD Long Series



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) Collet Chuck ER AD Long Series

ITEM NAME	ITEM CODE	CAT	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
CAT40 ER 16 200 AD	K10203149239543	40	ER 16	0.0156"- 0.375"	32	30	200	M10 X 1.5P	UM/ER16	E16
CAT40 ER 16 250 AD	K10203149182543	40	ER 16	0.0156"- 0.375"	32	30	250	M10 X 1.5P	UM/ER16	E16
CAT40 ER 16 300 AD	K10203149183543	40	ER 16	0.0156"- 0.375"	32	30	300	M10 X 1.5P	UM/ER16	E16
CAT40 ER 20 200 AD	K10203150239543	40	ER 20	0.0625"-0.5"	35	34	200	M10 X 1.5P	UM/ER20	E20
CAT40 ER 20 250 AD	K10203150182543	40	ER 20	0.0625"-0.5"	35	34	250	M10 X 1.5P	UM/ER20	E20
CAT40 ER 20 300 AD	K10203150183543	40	ER 20	0.0625"-0.5"	35	34	300	M10 X 1.5P	UM/ER20	E20
CAT40 ER 25 200 AD	K10203151239543	40	ER 25	0.0625"-0.625"	42	40	200	M16 X 2P	UM/ER25	E25
CAT40 ER 25 250 AD	K10203151182543	40	ER 25	0.0625"-0.625"	42	40	250	M16 X 2P	UM/ER25	E25
CAT40 ER 25 300 AD	K10203151183543	40	ER 25	0.0625"-0.625"	42	40	300	M16 X 2P	UM/ER25	E25
CAT40 ER 32 200 AD	K10203152239543	40	ER 32	0.125"-0.75"	50	48	200	M16 X 2P	UM/ER32	E32
CAT40 ER 32 250 AD	K10203152182543	40	ER 32	0.125"-0.75"	50	48	250	M16 X 2P	UM/ER32	E32
CAT40 ER 32 300 AD	K10203152183543	40	ER 32	0.125"-0.75"	50	48	300	M16 X 2P	UM/ER32	E32
CAT40 ER 40 200 AD	K10203153239543	40	ER 40	0.125"-1.00"	63	52	200	M16 X 2P	UM/ER40	E40
CAT40 ER 40 250 AD	K10203153182543	40	ER 40	0.125"-1.00"	63	52	250	M16 X 2P	UM/ER40	E40
CAT40 ER 40 300 AD	K10203153183543	40	ER 40	0.125"-1.00"	63	52	300	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



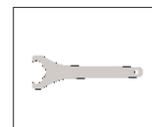
ER NUT



ER STOPPER SCREW



SEALING DISC



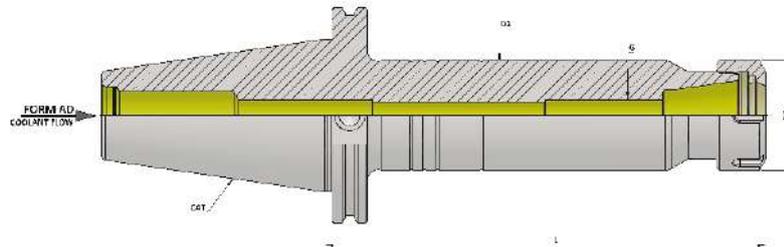
SPANNER E

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Collet Chuck ER AD Long Series



Maximum Run out of the Internal Taper with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) Collet Chuck ER AD Long Series

ITEM NAME	ITEM CODE	CAT	SUITABLE COLLET	COLLET CAPACITY	D1	D2	L	G	SUITABLE NUT	SUITABLE SPANNER
CAT50 ER 16 200 AD	K10204149239543	50	ER 16	0.0156"- 0.375"	32	30	200	M10 X 1.5P	UM/ER16	E16
CAT50 ER 16 250 AD	K10204149182543	50	ER 16	0.0156"- 0.375"	32	30	250	M10 X 1.5P	UM/ER16	E16
CAT50 ER 16 300 AD	K10204149183543	50	ER 16	0.0156"- 0.375"	32	30	300	M10 X 1.5P	UM/ER16	E16
CAT50 ER 16 350 AD	K10204149184543	50	ER 16	0.0156"- 0.375"	32	30	350	M10 X 1.5P	UM/ER16	E16
CAT50 ER 16 400 AD	K10204149540543	50	ER 16	0.0156"- 0.375"	32	30	400	M10 X 1.5P	UM/ER16	E16
CAT50 ER 20 200 AD	K10204150239543	50	ER 20	0.0625"-0.5"	35	34	200	M10 X 1.5P	UM/ER20	E20
CAT50 ER 20 250 AD	K10204150182543	50	ER 20	0.0625"-0.5"	35	34	250	M10 X 1.5P	UM/ER20	E20
CAT50 ER 20 300 AD	K10204150183543	50	ER 20	0.0625"-0.5"	35	34	300	M10 X 1.5P	UM/ER20	E20
CAT50 ER 20 350 AD	K10204150184543	50	ER 20	0.0625"-0.5"	35	34	350	M10 X 1.5P	UM/ER20	E20
CAT50 ER 20 400 AD	K10204150540543	50	ER 20	0.0625"-0.5"	35	34	400	M10 X 1.5P	UM/ER20	E20
CAT50 ER 25 200 AD	K10204151239543	50	ER 25	0.0625"-0.625"	42	40	200	M16 X 2P	UM/ER25	E25
CAT50 ER 25 250 AD	K10204151182543	50	ER 25	0.0625"-0.625"	42	40	250	M16 X 2P	UM/ER25	E25
CAT50 ER 25 300 AD	K10204151183543	50	ER 25	0.0625"-0.625"	42	40	300	M16 X 2P	UM/ER25	E25
CAT50 ER 25 350 AD	K10204151184543	50	ER 25	0.0625"-0.625"	42	40	350	M16 X 2P	UM/ER25	E25
CAT50 ER 25 400 AD	K10204151540543	50	ER 25	0.0625"-0.625"	42	40	400	M16 X 2P	UM/ER25	E25
CAT50 ER 32 200 AD	K10204152239543	50	ER 32	0.125"-0.75"	50	48	200	M16 X 2P	UM/ER32	E32
CAT50 ER 32 250 AD	K10204152182543	50	ER 32	0.125"-0.75"	50	48	250	M16 X 2P	UM/ER32	E32
CAT50 ER 32 300 AD	K10204152183543	50	ER 32	0.125"-0.75"	50	48	300	M16 X 2P	UM/ER32	E32
CAT50 ER 32 350 AD	K10204152184543	50	ER 32	0.125"-0.75"	50	48	350	M16 X 2P	UM/ER32	E32
CAT50 ER 32 400 AD	K10204152540543	50	ER 32	0.125"-0.75"	50	48	400	M16 X 2P	UM/ER32	E32
CAT50 ER 40 200 AD	K10204153239543	50	ER 40	0.125"-1.00"	63	60	200	M16 X 2P	UM/ER40	E40
CAT50 ER 40 250 AD	K10204153182543	50	ER 40	0.125"-1.00"	63	60	250	M16 X 2P	UM/ER40	E40
CAT50 ER 40 300 AD	K10204153183543	50	ER 40	0.125"-1.00"	63	60	300	M16 X 2P	UM/ER40	E40
CAT50 ER 40 350 AD	K10204153184543	50	ER 40	0.125"-1.00"	63	60	350	M16 X 2P	UM/ER40	E40
CAT50 ER 40 400 AD	K10204153540543	50	ER 40	0.125"-1.00"	63	60	400	M16 X 2P	UM/ER40	E40

Accessories:



ER COLLET (DIN 6499)



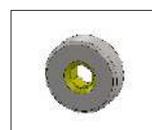
TAP COLLET ER-G



QC TAP COLLET QCTC
(Refer Vol.2 Catalogue)



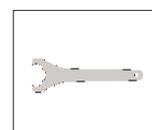
ER NUT



ER STOPPER SCREW



SEALING DISC



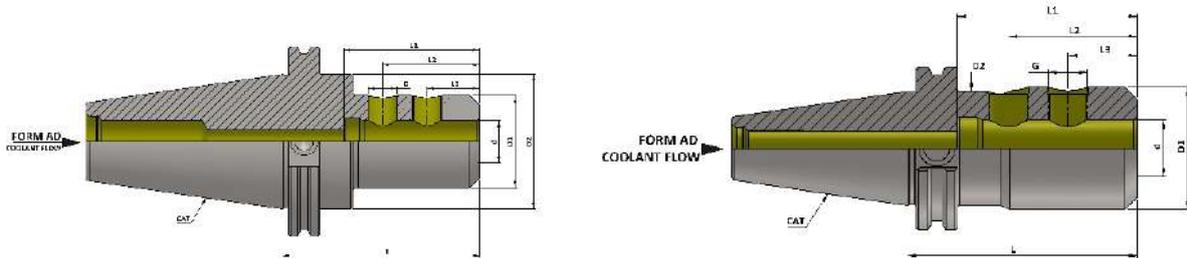
SPANNER E

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor (SLA)

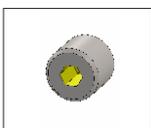


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) (SLA)											(Balanced 6.3 G 15000 RPM)	
ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	L	L1	L2	L3	SCREW QTY.	
CAT40 SLA DIA 1/8" - 2 3/8" AD/6.3G 15000 SL	K10225411301110	40	1/8"	0.69"	1.750"	6-32UNCx1/4"	2.375"	17	-	0.370"	1	
CAT40 SLA DIA 3/16" - 2 1/2" AD/6.3G 15000 SL	K10225411301122	40	3/16"	0.69"	1.750"	8-32UNCx1/4"	2.50"	25	-	0.562"	1	
CAT40 SLA DIA 1/4" - 2 1/2" AD/6.3G 15000 SL	K10225413301122	40	1/4"	0.78"	1.750"	1/4"-28UNFx1/4"	2.50"	35	-	0.630"	1	
CAT40 SLA DIA 5/16" - 2 1/2" AD/6.3G 15000 SL	K10225422301122	40	5/16"	0.88"	1.750"	5/16"-24UNFx1/4"	2.50"	35	-	0.630"	1	
CAT40 SLA DIA 3/8" - 2 1/2" AD/6.3G 15000 SL	K10225415301122	40	3/8"	1.0"	1.750"	3/8"-24UNFx5/16"	2.50"	39	-	0.750"	1	
CAT40 SLA DIA 7/16" - 3.00" AD/6.3G 15000 SL	K10225416301122	40	7/16"	1.25"	1.750"	3/8"-24UNFx3/8"	3"	51	-	0.875"	1	
CAT40 SLA DIA 1/2" - 3.00" AD/6.3G 15000 SL	K10225417301122	40	1/2"	1.25"	1.750"	7/16"-20UNFx3/8"	3"	51	-	0.875"	1	
CAT40 SLA DIA 5/8" - 3.00" AD/6.3G 15000 SL	K10225418301122	40	5/8"	1.50"	1.750"	1/2"-20UNFx7/16"	3"	57	-	0.937"	1	
CAT40 SLA DIA 3/4" - 3.00" AD/6.3G 15000 SL	K10225419301122	40	3/4"	1.75"	1.750"	5/8"-18UNFx1/2"	3"	59	-	1.0"	1	
CAT40 SLA DIA 7/8" - 3 1/2" AD/6.3G 15000 SL	K10225420301122	40	7/8"	1.88"	1.750"	5/8"-18UNFx1/2"	3.50"	70	1.938"	1.063"	2	
CAT40 SLA DIA 1.0" - 4.00" AD/6.3G 15000 SL	K10225406301122	40	1.0"	2.0"	1.750"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2	
CAT40 SLA DIA 1 1/4" - 4.00" AD/6.3G 15000 SL	K10225514301110	40	1 1/4"	2.5"	1.750"	3/4"-16UNFx1/2"	4.0"	75	2.125"	1.125"	2	
CAT40 SLA DIA 1 1/2" - 4 1/2" AD/6.3G 15000 SL	K10225421301122	40	1 1/2"	2.5"	1.750"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2	
CAT40 SLA06 63.5 AD/6.3G 15000 SL	K10203101454110	40	6	25	44.45	M6	63.5	34	-	17.5	1	
CAT40 SLA08 63.5 AD/6.3G 15000 SL	K10203102454110	40	8	28	44.45	M8	63.5	34	-	17.5	1	
CAT40 SLA10 63.5 AD/6.3G 15000 SL	K10203103454110	40	10	35	44.45	M10	63.5	40	-	19.5	1	
CAT40 SLA12 63.5 AD/6.3G 15000 SL	K10203104454110	40	12	42	44.45	M12	63.5	46	-	22	1	
CAT40 SLA16 63.5 AD/6.3G 15000 SL	K10203105454110	40	16	48	44.45	M14	63.5	48	-	23.5	1	
CAT40 SLA20 76.2 AD/6.3G 15000 SL	K10203106454110	40	20	50	44.45	M10	76.2	70	45	25	1	
CAT40 SLA25 101.6 AD/6.3G 15000 SL	K10203107454110	40	25	50	44.45	M10	101.6	70	45	25	2	
CAT40 SLA32 101.6 AD/6.3G 15000 SL	K10203108454110	40	32	60	44.45	M10	101.6	70	50	30	2	

Accessories:



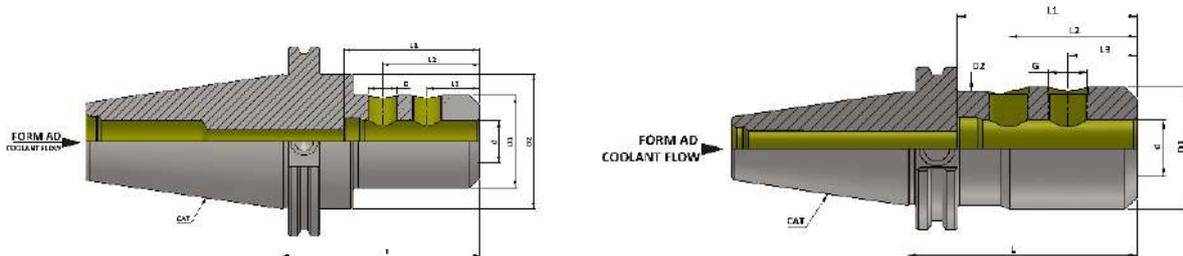
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor (SLA)

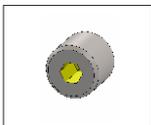


Maximum Run out of the Internal Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) (SLA)											(Balanced 6.3 G 15000 RPM)	
ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	L	L1	L2	L3	SCREW QTY.	
CAT50 SLA DIA 1/4" - 2 1/2" AD/6.3G 15000 SL	K10226413301122	50	1/4"	0.78"	2.750"	1/4"-28UNFx1/4"	2.5"	35	-	0.630"	1	
CAT50 SLA DIA 5/16" - 2 1/2" AD/6.3G 15000 SL	K10226422301122	50	5/16"	0.88"	2.750"	5/16"-24UNFx1/4"	2.5"	35	-	0.630"	1	
CAT50 SLA DIA 3/8" - 2 1/2" AD/6.3G 15000 SL	K10226415301122	50	3/8"	1.0"	2.750"	3/8"-24UNFx5/16"	2.5"	39	-	0.750"	1	
CAT50 SLA DIA 7/16" - 3.00" AD/6.3G 15000 SL	K10226416301122	50	7/16"	1.25"	2.750"	3/8"-24UNFx3/8"	3.0"	51	-	0.875"	1	
CAT50 SLA DIA 1/2" - 3.00" AD/6.3G 15000 SL	K10226417301122	50	1/2"	1.25"	2.750"	7/16"-20UNFx3/8"	3.0"	51	-	0.875"	1	
CAT50 SLA DIA 5/8" - 3.00" AD/6.3G 15000 SL	K10226418301122	50	5/8"	1.50"	2.750"	1/2"-20UNFx7/16"	3.0"	57	-	0.937"	1	
CAT50 SLA DIA 3/4" - 3.00" AD/6.3G 15000 SL	K10226419301122	50	3/4"	1.75"	2.750"	5/8"-18UNFx1/2"	3.0"	59	-	1.0"	1	
CAT50 SLA DIA 7/8" - 4.00" AD/6.3G 15000 SL	K10226424301110	50	7/8"	1.88"	2.750"	5/8"-18UNFx1/2"	4.0"	70	1.938"	1.063"	2	
CAT50 SLA DIA 1.0" - 4.00" AD/6.3G 15000 SL	K10226406301122	50	1.0"	2.0"	2.750"	3/4"-16UNFx1/2"	4"	75	2.125"	1.125"	2	
CAT50 SLA DIA 1 1/4" - 4.00" AD/6.3G 15000 SL	K10226408301122	50	1 1/4"	2.5"	2.750"	3/4"-16UNFx1/2"	4"	75	2.125"	1.125"	2	
CAT50 SLA DIA 1 1/2" - 4 1/2" AD/6.3G 15000 SL	K10226421301110	50	1 1/2"	2.5"	2.750"	3/4"-16UNFx1/2"	4.5"	75	2.125"	1.125"	2	
CAT50 SLA06 101.6 AD/6.3G 15000 SL	K10204101454110	50	6	25	69.85	M6	101.6	34	-	17.5	1	
CAT50 SLA08 101.6 AD/6.3G 15000 SL	K10204102454110	50	8	28	69.85	M8	101.6	34	-	17.5	1	
CAT50 SLA10 101.6 AD/6.3G 15000 SL	K10204103454110	50	10	35	69.85	M10	101.6	40	-	19.5	1	
CAT50 SLA12 101.6 AD/6.3G 15000 SL	K10204104454110	50	12	42	69.85	M12	101.6	46	-	22	1	
CAT50 SLA16 101.6 AD/6.3G 15000 SL	K10204105454110	50	16	48	69.85	M14	101.6	48	-	23.5	1	
CAT50 SLA20 76.2 AD/6.3G 15000 SL	K10204106454110	50	20	50	69.85	M10	76.2	70	45	25	1	
CAT50 SLA25 101.6 AD/6.3G 15000 SL	K10204107454110	50	25	50	69.85	M10	101.6	70	45	25	2	
CAT50 SLA32 116.84 AD/6.3G 15000 SL	K10204108454110	50	32	60	69.85	M10	116.84	70	50	30	2	

Accessories:



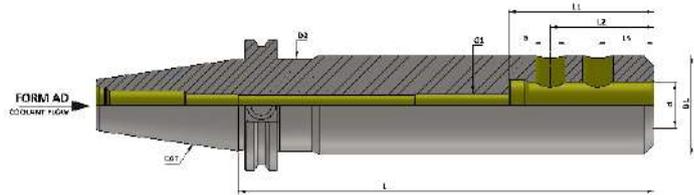
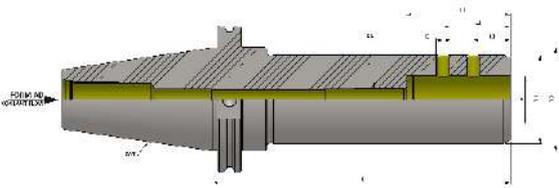
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor Long Series (SLA) (AD)



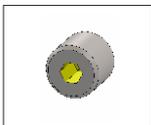
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) SLA (AD) Long Series

ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	G1	L	L1	L2	L3	SCREW QTY.
CAT40 SLA16 200 AD	K10203105239543	40	16	48	44.45	M14	M12	200	57	-	23.50	1
CAT40 SLA16 250 AD	K10203105182543	40	16	48	44.45	M14	M12	250	57	-	23.50	1
CAT40 SLA16 300 AD	K10203105183543	40	16	48	44.45	M14	M12	300	57	-	23.50	1
CAT40 SLA20 200 AD	K10203106239543	40	20	50	44.45	M10	M16	200	70	45	25	2
CAT40 SLA20 250 AD	K10203106182543	40	20	50	44.45	M10	M16	250	70	45	25	2
CAT40 SLA20 300 AD	K10203106183543	40	20	50	44.45	M10	M16	300	70	45	25	2
CAT40 SLA25 200 AD	K10203107239543	40	25	50	44.45	M10	M16	200	70	45	25	2
CAT40 SLA25 250 AD	K10203107182543	40	25	50	44.45	M10	M16	250	70	45	25	2
CAT40 SLA25 300 AD	K10203107183543	40	25	50	44.45	M10	M16	300	70	45	25	2
CAT40 SLA32 200 AD	K10203108239543	40	32	60	44.45	M10	M16	200	70	50	30	2
CAT40 SLA32 250 AD	K10203108182543	40	32	60	44.45	M10	M16	250	70	50	30	2
CAT40 SLA32 300 AD	K10203108183543	40	32	60	44.45	M10	M16	300	70	50	30	2
CAT40 SLA40 200 AD	K10203109239543	40	40	60	44.45	M10	M16	200	70	50	30	2
CAT40 SLA40 250 AD	K10203109182543	40	40	60	44.45	M10	M16	250	70	50	30	2
CAT40 SLA40 300 AD	K10203109183543	40	40	60	44.45	M10	M16	300	70	50	30	2

Accessories:



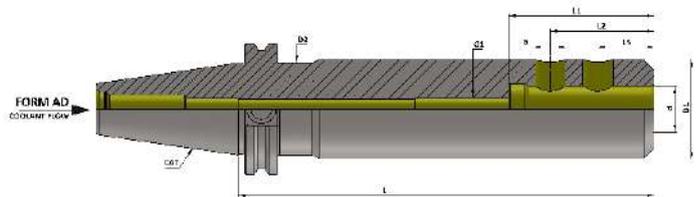
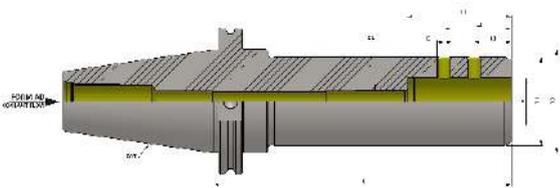
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor Long Series (SLA) (AD)



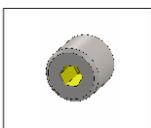
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) SLA (AD) Long Series

ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
CAT40 SLA5/8" 200 AD	K10203989239543	40	5/8"	1.50"	1.750"	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1
CAT40 SLA5/8" 250 AD	K10203989182543	40	5/8"	1.50"	1.750"	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1
CAT40 SLA5/8" 300 AD	K10203989183543	40	5/8"	1.50"	1.750"	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1
CAT40 SLA3/4" 200 AD	K10203990239543	40	3/4"	1.75"	1.750"	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1
CAT40 SLA3/4" 250 AD	K10203990182543	40	3/4"	1.75"	1.750"	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1
CAT40 SLA3/4" 300 AD	K10203990183543	40	3/4"	1.75"	1.750"	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1
CAT40 SLA1.0" 200 AD	K10203991239543	40	1.0"	2.0"	1.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT40 SLA1.0" 250 AD	K10203991182543	40	1.0"	2.0"	1.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT40 SLA1.0" 300 AD	K10203991183543	40	1.0"	2.0"	1.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
CAT40 SLA1 1/4" 200 AD	K10203992239543	40	1-1/4"	2.5"	1.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT40 SLA1 1/4" 250 AD	K10203992182543	40	1-1/4"	2.5"	1.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT40 SLA1 1/4" 300 AD	K10203992183543	40	1-1/4"	2.5"	1.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
CAT40 SLA1 1/2" 200 AD	K10203993239543	40	1-1/2"	2.5"	1.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT40 SLA1 1/2" 250 AD	K10203993182543	40	1-1/2"	2.5"	1.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT40 SLA1 1/2" 300 AD	K10203993183543	40	1-1/2"	2.5"	1.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2

Accessories:



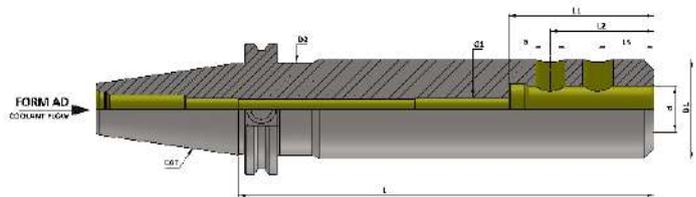
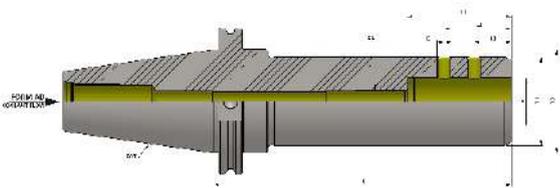
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor Long Series (SLA) (AD)



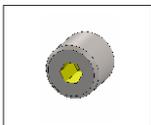
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) SLA (AD) Long Series

ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
CAT50 SLA16 200 AD	K10204105239543	50	16	48	69.85	M14	M12	200	57	-	23.50	1
CAT50 SLA16 250 AD	K10204105182543	50	16	48	69.85	M14	M12	250	57	-	23.50	1
CAT50 SLA16 300 AD	K10204105183543	50	16	48	69.85	M14	M12	300	57	-	23.50	1
CAT50 SLA16 350 AD	K10204105184543	50	16	48	69.85	M14	M12	350	57	-	23.50	1
CAT50 SLA16 400 AD	K10204105540543	50	16	48	69.85	M14	M12	400	57	-	23.50	1
CAT50 SLA20 200 AD	K10204106239543	50	20	50	69.85	M10	M16	200	70	45	25	2
CAT50 SLA20 250 AD	K10204106182543	50	20	50	69.85	M10	M16	250	70	45	25	2
CAT50 SLA20 300 AD	K10204106183543	50	20	50	69.85	M10	M16	300	70	45	25	2
CAT50 SLA20 350 AD	K10204106184543	50	20	50	69.85	M10	M16	350	70	45	25	2
CAT50 SLA20 400 AD	K10204106540543	50	20	50	69.85	M10	M16	400	70	45	25	2
CAT50 SLA25 200 AD	K10204107239543	50	25	50	69.85	M10	M16	200	70	45	25	2
CAT50 SLA25 250 AD	K10204107182543	50	25	50	69.85	M10	M16	250	70	45	25	2
CAT50 SLA25 300 AD	K10204107183543	50	25	50	69.85	M10	M16	300	70	45	25	2
CAT50 SLA25 350 AD	K10204107184543	50	25	50	69.85	M10	M16	350	70	45	25	2
CAT50 SLA25 400 AD	K10204107540543	50	25	50	69.85	M10	M16	400	70	45	25	2
CAT50 SLA32 200 AD	K10204108239543	50	32	60	69.85	M10	M16	200	70	50	30	2
CAT50 SLA32 250 AD	K10204108182543	50	32	60	69.85	M10	M16	250	70	50	30	2
CAT50 SLA32 300 AD	K10204108183543	50	32	60	69.85	M10	M16	300	70	50	30	2
CAT50 SLA32 350 AD	K10204108184543	50	32	60	69.85	M10	M16	350	70	50	30	2
CAT50 SLA32 400 AD	K10204108540543	50	32	60	69.85	M10	M16	400	70	50	30	2
CAT50 SLA40 200 AD	K10204109239543	50	40	60	69.85	M10	M16	200	70	50	30	2
CAT50 SLA40 250 AD	K10204109182543	50	40	60	69.85	M10	M16	250	70	50	30	2
CAT50 SLA40 300 AD	K10204109183543	50	40	60	69.85	M10	M16	300	70	50	30	2
CAT50 SLA40 350 AD	K10204109184543	50	40	60	69.85	M10	M16	350	70	50	30	2
CAT50 SLA40 400 AD	K10204109540543	50	40	60	69.85	M10	M16	400	70	50	30	2

Accessories:



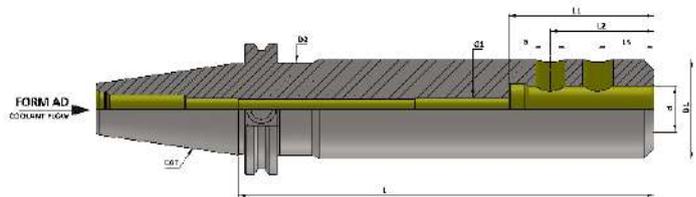
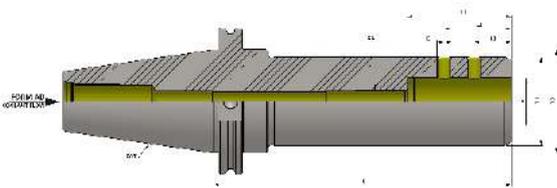
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Side Lock Adaptor Long Series (SLA) (AD)



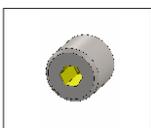
Maximum Run out of the Internal Dia with respect to the External Taper 0.010 mm as supplied



CAT (ANSI B 5.50) SLA (AD) Long Series

ITEM NAME	ITEM CODE	CAT	d	D1	D2	G	G1	L	L1 (ID)	L2 (2nd Tap)	L3 (1st tap)	SCREW QTY.
CAT50 SLA5/8" 200 AD	K10204989239543	50	5/8"	1.50"	2.750"	1/2"20UNFx7/16"	M12	200	57	-	0.937"	1
CAT50 SLA5/8" 250 AD	K10204989182543	50	5/8"	1.50"	2.750"	1/2"20UNFx7/16"	M12	250	57	-	0.937"	1
CAT50 SLA5/8" 300 AD	K10204989183543	50	5/8"	1.50"	2.750"	1/2"20UNFx7/16"	M12	300	57	-	0.937"	1
CAT50 SLA5/8" 350 AD	K10204989184543	50	5/8"	1.50"	2.750"	1/2"20UNFx7/16"	M12	350	57	-	0.937"	1
CAT50 SLA5/8" 400 AD	K10204989540543	50	5/8"	1.50"	2.750"	1/2"20UNFx7/16"	M12	400	57	-	0.937"	1
CAT50 SLA3/4" 200 AD	K10204990239543	50	3/4"	1.75"	2.750"	5/8"18UNFx1/2"	M16	200	59	-	1.00"	1
CAT50 SLA3/4" 250 AD	K10204990182543	50	3/4"	1.75"	2.750"	5/8"18UNFx1/2"	M16	250	59	-	1.00"	1
CAT50 SLA3/4" 300 AD	K10204990183543	50	3/4"	1.75"	2.750"	5/8"18UNFx1/2"	M16	300	59	-	1.00"	1
CAT50 SLA3/4" 350 AD	K10204990184543	50	3/4"	1.75"	2.750"	5/8"18UNFx1/2"	M16	350	59	-	1.00"	1
CAT50 SLA3/4" 400 AD	K10204990540543	50	3/4"	1.75"	2.750"	5/8"18UNFx1/2"	M16	400	59	-	1.00"	1
CAT50 SLA1.0" 200 AD	K10204991239543	50	1.0"	2.0"	2.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT50 SLA1.0" 250 AD	K10204991182543	50	1.0"	2.0"	2.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT50 SLA1.0" 300 AD	K10204991183543	50	1.0"	2.0"	2.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
CAT50 SLA1.0" 350 AD	K10204991184543	50	1.0"	2.0"	2.750"	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
CAT50 SLA1.0" 400 AD	K10204991540543	50	1.0"	2.0"	2.750"	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2
CAT50 SLA1 1/4" 200 AD	K10204992239543	50	1-1/4"	2.5"	2.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT50 SLA1 1/4" 250 AD	K10204992182543	50	1-1/4"	2.5"	2.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT50 SLA1 1/4" 300 AD	K10204992183543	50	1-1/4"	2.5"	2.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
CAT50 SLA1 1/4" 350 AD	K10204992184543	50	1-1/4"	2.5"	2.750"	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
CAT50 SLA1 1/4" 400 AD	K10204992540543	50	1-1/4"	2.5"	2.750"	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2
CAT50 SLA1 1/2" 200 AD	K10204993239543	50	1-1/2"	2.5"	2.750"	3/4"16UNFx1/2"	M16	200	75	2.125"	1.125"	2
CAT50 SLA1 1/2" 250 AD	K10204993182543	50	1-1/2"	2.5"	2.750"	3/4"16UNFx1/2"	M16	250	75	2.125"	1.125"	2
CAT50 SLA1 1/2" 300 AD	K10204993183543	50	1-1/2"	2.5"	2.750"	3/4"16UNFx1/2"	M16	300	75	2.125"	1.125"	2
CAT50 SLA1 1/2" 350 AD	K10204993184543	50	1-1/2"	2.5"	2.750"	3/4"16UNFx1/2"	M16	350	75	2.125"	1.125"	2
CAT50 SLA1 1/2" 400 AD	K10204993540543	50	1-1/2"	2.5"	2.750"	3/4"16UNFx1/2"	M16	400	75	2.125"	1.125"	2

Accessories:



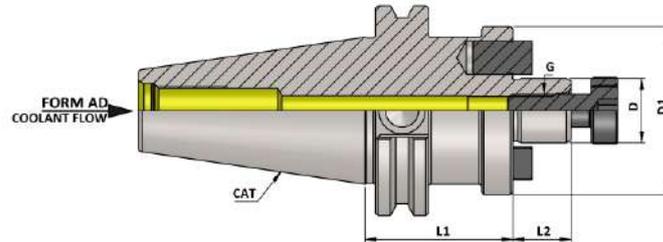
LOCKING SCREW SLA

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (FMH)



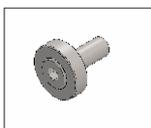
Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	CAT	D	D1	L1	L2	G
CAT40 FMH 3/4" 1 3/4" AD/2.5G 25000 SL	K10223403301122	40	3/4"	2"	1 3/4"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH 3/4" 2.5" AD/2.5G 25000 SL	K10203617141110	40	3/4"	2"	2.5"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH 3/4" 4.0" AD/2.5G 25000 SL	K10203617913110	40	3/4"	2"	4.0"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH 3/4" 6.0" AD/2.5G 25000 SL	K10203617143110	40	3/4"	2"	6.0"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH 1.0" 2.0" AD/2.5G 25000SL	K10223405301122	40	1.0"	2.375"	2.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH 1.0" 4.0" AD/2.5G 25000 SL	K10203616850110	40	1.0"	2.375"	4.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH 1.0" 6.0" AD/2.5G 25000 SL	K10203616268110	40	1.0"	2.375"	6.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH 1 1/4" 2.0" AD/2.5G 25000 SL	K10223407301122	40	1 1/4"	2.875"	2.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH 1 1/4" 2.21" AD/2.5G 25000 SL	K10203618913110	40	1 1/4"	2.875"	2.21"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH 1 1/4" 4.0" AD/2.5G 25000 SL	K10223408301122	40	1 1/4"	2.875"	4.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH 1 1/4" 6.0" AD/2.5G 25000 SL	K10203618143110	40	1 1/4"	2.875"	6.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH 1 1/2" 2.0" AD/2.5G 25000 SL	K10223506301110	40	1 1/2"	3.75"	2.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"
CAT40 FMH 1 1/2" 2.21" AD/2.5G 25000 SL	K10203620143110	40	1 1/2"	3.75"	2.21"	0.938"	3/4"-16 UNF-2B x 1 1/2"
CAT40 FMH 1 1/2" 4.0" AD/2.5G 25000 SL	K10203620268110	40	1 1/2"	3.75"	4.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



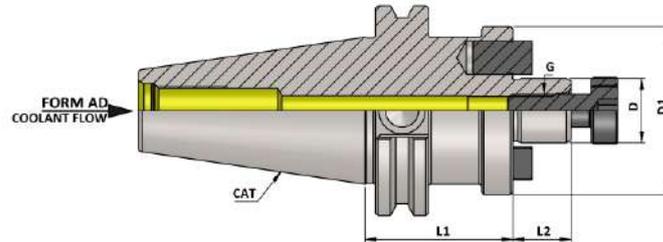
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (FMH)

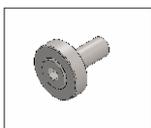


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT40 FMH16 045 AD/2.5G 25000 SL	K10203126369110	40	16	38	45	17	M8 x 1.25P	
CAT40 FMH16 100 AD/2.5G 25000 SL	K10203126148110	40	16	38	100	17	M8 x 1.25P	
CAT40 FMH16 130 AD/2.5G 25000 SL	K10345664636146	40	16	38	130	17	M8 x 1.25P	
CAT40 FMH16 160 AD/2.5G 25000 SL	K10203126175110	40	16	38	160	17	M8 x 1.25P	
CAT40 FMH22 045 AD/2.5G 25000 SL	K10203127467110	40	22	48	45	19	M10 x 1.5P	
CAT40 FMH22 100 AD/2.5G 25000 SL	K10203127148110	40	22	48	100	19	M10 x 1.5P	
CAT40 FMH22 130 AD/2.5G 25000 SL	K10345664640146	40	22	48	130	19	M10 x 1.5P	
CAT40 FMH22 160 AD/2.5G 25000 SL	K10203127175110	40	22	48	160	19	M10 x 1.5P	
CAT40 FMH27 050 AD/2.5G 25000 SL	K10203128617110	40	27	58	50	21	M12 x 1.75P	
CAT40 FMH27 100 AD/2.5G 25000 SL	K10203128148110	40	27	58	100	21	M12 x 1.75P	
CAT40 FMH27 130 AD/2.5G 25000 SL	K10345661640146	40	27	58	130	21	M12 x 1.75P	
CAT40 FMH27 160 AD/2.5G 25000 SL	K10203128175110	40	27	58	160	21	M12 x 1.75P	
CAT40 FMH32 055 AD/2.5G 25000 SL	K10203129617110	40	32	78	55	24	M16 x 2P	
CAT40 FMH32 100 AD/2.5G 25000 SL	K10203129148110	40	32	78	100	24	M16 x 2P	
CAT40 FMH32 130 AD/2.5G 25000 SL	K10345663640146	40	32	78	130	24	M16 x 2P	
CAT40 FMH32 160 AD/2.5G 25000 SL	K10203129175110	40	32	78	160	24	M16 x 2P	
CAT40 FMH40 055 AD/2.5G 25000 SL	K10203130617110	40	40	88	55	27	M20 x 2.5P	
CAT40 FMH40 100 AD/2.5G 25000 SL	K10203130148110	40	40	88	100	27	M20 x 2.5P	
CAT40 FMH40 130 AD/2.5G 25000 SL	K10345663475146	40	40	88	130	27	M20 x 2.5P	
CAT40 FMH40 160 AD/2.5G 25000 SL	K10203130175110	40	40	88	160	27	M20 x 2.5P	

Accessories:



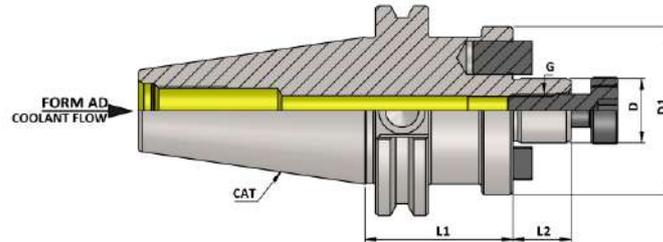
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (FMH)

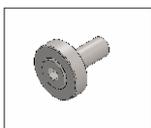


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH								(Balanced to 2.5 G 25000 RPM)
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT50 FMH 3/4" 1 3/4" AD/2.5G 25000 SL	K10224403301110	50	3/4"	2"	1 3/4"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH 3/4" 3.5" AD/2.5G 25000 SL	K10204617913110	50	3/4"	2"	3.5"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH 3/4" 5.5" AD/2.5G 25000 SL	K10204617576110	50	3/4"	2"	5.5"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH 1.0" 2.0" AD/2.5G 25000 SL	K10224405301122	50	1.0"	2.375"	2.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH 1.0" 4.0" AD/2.5G 25000 SL	K10204616143110	50	1.0"	2.375"	4.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH 1.0" 6.0" AD/2.5G 25000 SL	K10204616141110	50	1.0"	2.375"	6.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH 1 1/4" 2.0" AD/2.5G 25000 SL	K10224407301122	50	1 1/4"	2.875"	2.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH 1 1/4" 3.5" AD/2.5G 25000 SL	K10204618913110	50	1 1/4"	2.875"	3.5"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH 1 1/4" 6.0" AD/2.5G 25000 SL	K10204618143110	50	1 1/4"	2.875"	6.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH 1 1/2" 2.0" AD/2.5G 25000 SL	K10224409301110	50	1 1/2"	3.75"	2.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH 1 1/2" 2.4" AD/2.5G 25000 SL	K10204620143110	50	1 1/2"	3.75"	2.4"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH 1 1/2" 4.0" AD/2.5G 25000 SL	K10204620850110	50	1 1/2"	3.75"	4.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH 1 1/2" 6.0" AD/2.5G 25000 SL	K10204620141110	50	1 1/2"	3.75"	6.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	

Accessories:



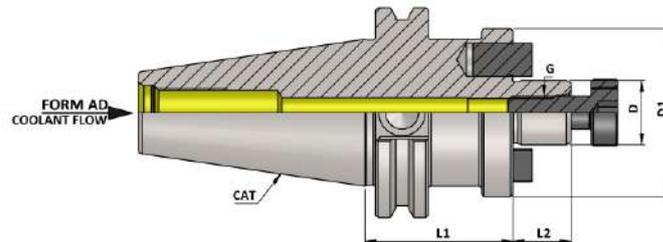
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (FMH)

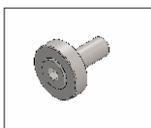


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH							(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT50 FMH16 045 AD/2.5G 25000 SL	K10204126369110	50	16	38	45	17	M8 x 1.25P	
CAT50 FMH16 100 AD/2.5G 25000 SL	K10204126148110	50	16	38	100	17	M8 x 1.25P	
CAT50 FMH16 130 AD/2.5G 25000 SL	K10345198475146	50	16	38	130	17	M8 x 1.25P	
CAT50 FMH16 160 AD/2.5G 25000 SL	K10204126175110	50	16	38	160	17	M8 x 1.25P	
CAT50 FMH22 045 AD/2.5G 25000 SL	K10204127357110	50	22	48	45	19	M10 x 1.5P	
CAT50 FMH22 100 AD/2.5G 25000 SL	K10204127148110	50	22	48	100	19	M10 x 1.5P	
CAT50 FMH22 130 AD/2.5G 25000 SL	K10345200475146	50	22	48	130	19	M10 x 1.5P	
CAT50 FMH22 160 AD/2.5G 25000 SL	K10204127175110	50	22	48	160	19	M10 x 1.5P	
CAT50 FMH27 045 AD/2.5G 25000 SL	K10204128617110	50	27	58	45	21	M12 x 1.75P	
CAT50 FMH27 100 AD/2.5G 25000 SL	K10204128148110	50	27	58	100	21	M12 x 1.75P	
CAT50 FMH27 130 AD/2.5G 25000 SL	K10345203475146	50	27	58	130	21	M12 x 1.75P	
CAT50 FMH27 160 AD/2.5G 25000 SL	K10204128175110	50	27	58	160	21	M12 x 1.75P	
CAT50 FMH32 050 AD/2.5G 25000 SL	K10204129617110	50	32	78	50	24	M16 x 2P	
CAT50 FMH32 100 AD/2.5G 25000 SL	K10204129148110	50	32	78	100	24	M16 x 2P	
CAT50 FMH32 130 AD/2.5G 25000 SL	K10345205475146	50	32	78	130	24	M16 x 2P	
CAT50 FMH32 160 AD/2.5G 25000 SL	K10204129175110	50	32	78	160	24	M16 x 2P	
CAT50 FMH40 055 AD/2.5G 25000 SL	K10204130617110	50	40	88	55	27	M20 x 2.5P	
CAT50 FMH40 100 AD/2.5G 25000 SL	K10204130148110	50	40	88	100	27	M20 x 2.5P	
CAT50 FMH40 130 AD/2.5G 25000 SL	K10345498475146	50	40	88	130	27	M20 x 2.5P	
CAT50 FMH40 160 AD/2.5G 25000 SL	K10204130175110	50	40	88	160	27	M20 x 2.5P	

Accessories:



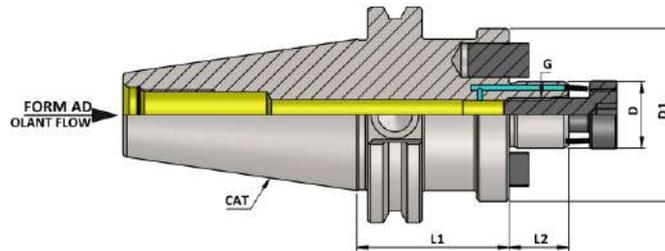
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (Through Coolant) FMH-K



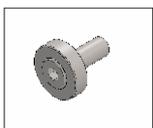
Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH-K (Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	CAT	D	D1	L1	L2	G
CAT40 FMH-K3/4" 1 3/4" AD/2.5G 25000 SL	K10203958576110	40	3/4"	2"	1 3/4"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH-K3/4" 2.5" AD/2.5G 25000 SL	K10203958731110	40	3/4"	2"	2.5"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH-K3/4" 4.0" AD/2.5G 25000 SL	K10203958810110	40	3/4"	2"	4"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH-K3/4" 6.0" AD/2.5G 25000 SL	K10203617850110	40	3/4"	2"	6"	0.687"	3/8"-24 UNF-2B x 1.0"
CAT40 FMH-K1.0" 2.0" AD/2.5G 25000 SL	K10203959850110	40	1.0"	2.375"	2"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH-K1.0" 4.0" AD/2.5G 25000 SL	K10203959260110	40	1.0"	2.375"	4"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH-K1.0" 6.0" AD/2.5G 25000 SL	K10203959268110	40	1.0"	2.375"	6.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"
CAT40 FMH-K1-1/4" 2.0" AD/2.5G 25000 SL	K10203960268110	40	1 1/4"	2.875"	2.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH-K1-1/4" 2.21" AD/2.5G 25000 SL	K10203960731110	40	1 1/4"	2.875"	2.21"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH-K1-1/4" 4.0" AD/2.5G 25000 SL	K10203960141110	40	1 1/4"	2.875"	4.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH-K1-1/4" 6.0" AD/2.5G 25000 SL	K10203960913110	40	1 1/4"	2.875"	6.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"
CAT40 FMH-K1-1/2" 2.0" AD/2.5G 25000 SL	K10203639913110	40	1 1/2"	3.75"	2.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"
CAT40 FMH-K1-1/2" 2.21" AD/2.5G 25000 SL	K10203639576110	40	1 1/2"	3.75"	2.21"	0.938"	3/4"-16 UNF-2B x 1 1/2"
CAT40 FMH-K1-1/2" 4.0" AD/2.5G 25000 SL	K10203639143110	40	1 1/2"	3.75"	4.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"

Accessories:



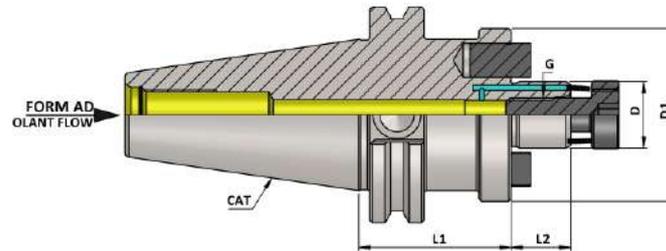
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (Through Coolant) FMH-K

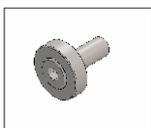


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH-K							(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT40 FMH-K16 045 AD/2.5G 25000 SL	K10203131369110	40	16	38	45	17	M8 x 1.25P	
CAT40 FMH-K16 100 AD/2.5G 25000 SL	K10203131148110	40	16	38	100	17	M8 x 1.25P	
CAT40 FMH-K16 130 AD/2.5G 25000 SL	K10346498475146	40	16	38	130	17	M8 x 1.25P	
CAT40 FMH-K16 160 AD/2.5G 25000 SL	K10203131175110	40	16	38	160	17	M8 x 1.25P	
CAT40 FMH-K22 045 AD/2.5G 25000 SL	K10203132369110	40	22	48	45	19	M10 x 1.5P	
CAT40 FMH-K22 100 AD/2.5G 25000 SL	K10203132148110	40	22	48	100	19	M10 x 1.5P	
CAT40 FMH-K22 130 AD/2.5G 25000 SL	K10346520475146	40	22	48	130	19	M10 x 1.5P	
CAT40 FMH-K22 160 AD/2.5G 25000 SL	K10203132175110	40	22	48	160	19	M10 x 1.5P	
CAT40 FMH-K27 050 AD/2.5G 25000 SL	K10203133617110	40	27	58	50	21	M12 x 1.75P	
CAT40 FMH-K27 100 AD/2.5G 25000 SL	K10203133148110	40	27	58	100	21	M12 x 1.75P	
CAT40 FMH-K27 130 AD/2.5G 25000 SL	K10189520475146	40	27	58	130	21	M12 x 1.75P	
CAT40 FMH-K27 160 AD/2.5G 25000 SL	K10203133175110	40	27	58	160	21	M12 x 1.75P	
CAT40 FMH-K32 055 AD/2.5G 25000 SL	K10203134617110	40	32	78	55	24	M16 x 2P	
CAT40 FMH-K32 100 AD/2.5G 25000 SL	K10203134148110	40	32	78	100	24	M16 x 2P	
CAT40 FMH-K32 130 AD/2.5G 25000 SL	K10190520475146	40	32	78	130	24	M16 x 2P	
CAT40 FMH-K32 160 AD/2.5G 25000 SL	K10203134175110	40	32	78	160	24	M16 x 2P	
CAT40 FMH-K40 055 AD/2.5G 25000 SL	K10203576617110	40	40	88	55	27	M20 x 2.5P	
CAT40 FMH-K40 100 AD/2.5G 25000 SL	K10203576148110	40	40	88	100	27	M20 x 2.5P	
CAT40 FMH-K40 130 AD/2.5G 25000 SL	K10348520475146	40	40	88	130	27	M20 x 2.5P	
CAT40 FMH-K40 160 AD/2.5G 25000 SL	K10203576175110	40	40	88	160	27	M20 x 2.5P	

Accessories:



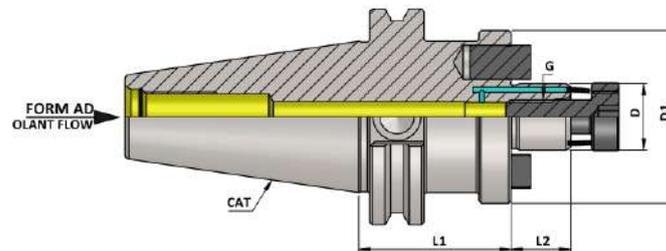
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (Through Coolant) FMH-K

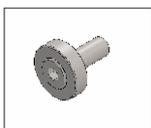


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH-K							(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT50 FMH-K 3/4" 1 3/4" AD/2.5G 25000 SL	K10204958915110	50	3/4"	2"	1 3/4"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH-K 3/4" 3.5" AD/2.5G 25000 SL	K10204958675110	50	3/4"	2"	3.5"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH-K 3/4" 5.5" AD/2.5G 25000 SL	K10204958863110	50	3/4"	2"	5.5"	0.687"	3/8"-24 UNF-2B x 1.0"	
CAT50 FMH-K 1.0" 2.0" AD/2.5G 25000 SL	K10204959681110	50	1.0"	2.375"	2.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH-K 1.0" 4.0" AD/2.5G 25000 SL	K10204959863110	50	1.0"	2.375"	4.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH-K 1.0" 6.0" AD/2.5G 25000 SL	K10204959647110	50	1.0"	2.375"	6.0"	0.687"	1/2"-20 UNF-2B x 1 1/4"	
CAT50 FMH-K 1 1/4" 2.0" AD/2.5G 25000 SL	K10204960681110	50	1 1/4"	2.875"	2.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH-K 1 1/4" 3.5" AD/2.5G 25000 SL	K10204960675110	50	1 1/4"	2.875"	3.5"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH-K 1 1/4" 6.0" AD/2.5G 25000 SL	K10204960647110	50	1 1/4"	2.875"	6.0"	0.687"	5/8"-18 UNF-2B x 1 1/4"	
CAT50 FMH-K 1 1/2" 2.0" AD/2.5G 25000 SL	K10204639681110	50	1 1/2"	3.75"	2.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH-K 1 1/2" 2.4" AD/2.5G 25000 SL	K10204639682110	50	1 1/2"	3.75"	2.4"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH-K 1 1/2" 4.0" AD/2.5G 25000 SL	K10204639565110	50	1 1/2"	3.75"	4.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	
CAT50 FMH-K 1 1/2" 6.0" AD/2.5G 25000 SL	K10204639647110	50	1 1/2"	3.75"	6.0"	0.938"	3/4"-16 UNF-2B x 1 1/2"	

Accessories:



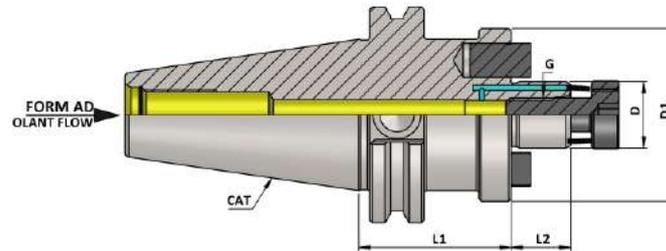
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Face Mill Holder (Through Coolant) FMH-K

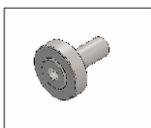


Maximum Run out of the External Dia with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) FMH-K							(Balanced to 2.5 G 25000 RPM)	
Item Name	Item Code	CAT	D	D1	L1	L2	G	
CAT50 FMH-K16 045 AD/2.5G 25000 SL	K10204131369110	50	16	38	45	17	M8 x 1.25P	
CAT50 FMH-K16 100 AD/2.5G 25000 SL	K10204131148110	50	16	38	100	17	M8 x 1.25P	
CAT50 FMH-K16 130 AD/2.5G 25000 SL	K10344520475146	50	16	38	130	17	M8 x 1.25P	
CAT50 FMH-K16 160 AD/2.5G 25000 SL	K10204131175110	50	16	38	160	17	M8 x 1.25P	
CAT50 FMH-K22 045 AD/2.5G 25000 SL	K10204132369110	50	22	48	45	19	M10 x 1.5P	
CAT50 FMH-K22 100 AD/2.5G 25000 SL	K10204132148110	50	22	48	100	19	M10 x 1.5P	
CAT50 FMH-K22 130 AD/2.5G 25000 SL	K10344520476146	50	22	48	130	19	M10 x 1.5P	
CAT50 FMH-K22 160 AD/2.5G 25000 SL	K10204132175110	50	22	48	160	19	M10 x 1.5P	
CAT50 FMH-K27 045 AD/2.5G 25000 SL	K10204133369110	50	27	58	45	21	M12 x 1.75P	
CAT50 FMH-K27 100 AD/2.5G 25000 SL	K10204133148110	50	27	58	100	21	M12 x 1.75P	
CAT50 FMH-K27 130 AD/2.5G 25000 SL	K10344520476562	50	27	58	130	21	M12 x 1.75P	
CAT50 FMH-K27 160 AD/2.5G 25000 SL	K10204133175110	50	27	58	160	21	M12 x 1.75P	
CAT50 FMH-K32 050 AD/2.5G 25000 SL	K10204134617110	50	32	78	50	24	M16 x 2P	
CAT50 FMH-K32 100 AD/2.5G 25000 SL	K10204134148110	50	32	78	100	24	M16 x 2P	
CAT50 FMH-K32 130 AD/2.5G 25000 SL	K10344520101562	50	32	78	130	24	M16 x 2P	
CAT50 FMH-K32 160 AD/2.5G 25000 SL	K10204134175110	50	32	78	160	24	M16 x 2P	
CAT50 FMH-K40 055 AD/2.5G 25000 SL	K10204576617110	50	40	88	55	27	M20 x 2.5P	
CAT50 FMH-K40 100 AD/2.5G 25000 SL	K10204576148110	50	40	88	100	27	M20 x 2.5P	
CAT50 FMH-K40 130 AD/2.5G 25000 SL	K10344209101562	50	40	88	130	27	M20 x 2.5P	
CAT50 FMH-K40 160 AD/2.5G 25000 SL	K10204576175110	50	40	88	160	27	M20 x 2.5P	

Accessories:



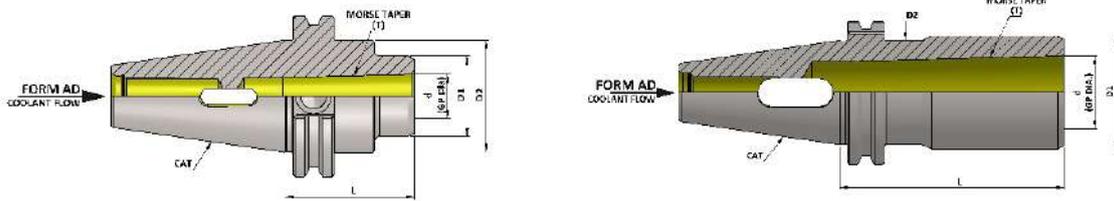
FMH / CSMA
CLAMPING SCREW

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Morse Taper Adaptor (MTA)



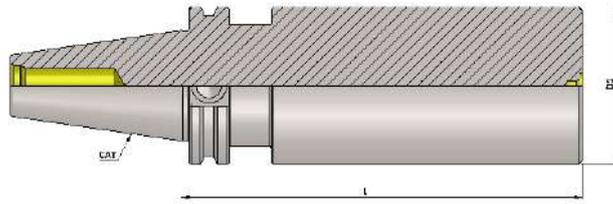
Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



CAT (ANSI B 5.50) (MTA)				(Balanced to 6.3 G 15000 RPM)			
Item Name	Item Code	CAT	Morse Taper(T)	d (GP)	D1	D2	L
CAT40 MT01 - 2.00" 6.3G 15000 SL	K10227426301122	40	1	12.065	1.0"	1.750"	2.0"
CAT40 MT02 - 2.00" 6.3G 15000 SL	K10228426301122	40	2	17.780	1.25"	1.750"	2.0"
CAT40 MT03 - 2 3/4" 6.3G 15000 SL	K10229427301122	40	3	23.825	1.574"	1.750"	2.75"
CAT40 MT04 - 3 3/4" 6.3G 15000 SL	K10230428301122	40	4	31.267	1.889"	1.750"	3.75"
CAT50 MT01 - 2.00" 6.3G 15000 SL	K10231426301122	50	1	12.065	1.0"	2.750"	2.0"
CAT50 MT02 - 2 3/8" 6.3G 15000 SL	K10204448301212	50	2	17.780	1.25"	2.750"	2.375"
CAT50 MT03 - 2 1/2" 6.3G 15000 SL	K10233430301122	50	3	23.825	1.574"	2.750"	2.5"
CAT50 MT04 - 3 3/4" 6.3G 15000 SL	K10234428301122	50	4	31.267	1.889"	2.750"	3.75"
CAT50 MT05 - 4 3/4" 6.3G 15000 SL	K10240431301122	50	5	44.399	2.48"	2.750"	4.75"

Note: All Dimensions are in mm

CAT (ANSI B 5.50) Boring Bar Blank



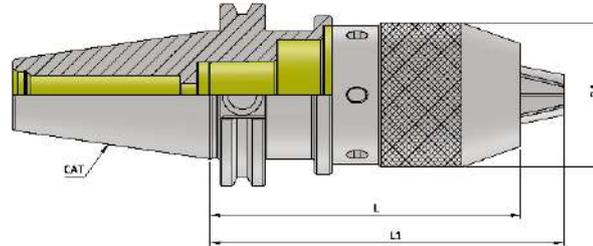
CAT (ANSI B 5.50) Boring Bar Blank				
Item Name	Item Code	CAT	D1	L
CAT40 BORING BAR BLANK DIA 2.5" L 6.0"	K10203530586253	40	2.5"	6.0"
CAT40 BORING BAR BLANK DIA 2.5" L 10.0"	K10203530901253	40	2.5"	10.0"
CAT50 BORING BAR BLANK DIA 3.0" L 8.0"	K10204530901253	50	3.0"	8.0"
CAT50 BORING BAR BLANK DIA 3.5" L 11.0"	K10204530899253	50	3.5"	11.0"

Note: All Dimensions are in mm

CAT (ANSI B 5.50) NC DRILL CHUCK (NCDC)



Maximum Run out on the Mandrell with respect to the External Taper 0.050 mm as supplied



CAT (ANSI B 5.50) (NCDC)					
Item Name	Item Code	CAT	D1	L	L1
CAT40 NCDC 113 - 4.0	K10203425301127	40	1.969"	4.0"	4.5"
CAT50 NCDC 113 - 4.0"	K10204425301127	50	1.969"	4.0"	4.5"

Accessories:



SPANNER NCDC

Note: All Dimensions are in mm

Application:

- Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling Machines.
- Suitable for external coolant Supply only

Features:

- Quick Change Features to Suit KTA-Quick Change Adaptors with and without safety clutch
- Length Compensation to compensate difference in pitch between positive feed and the pitch of the tap.
- The chuck is Equipped with an adjustable device to increase the cutting pressure to ensure positive start when tapping cycle commences
- Chucks WFLK can be applied horizontal or vertical and are used for right or left hand threads.

Available In Mountings:

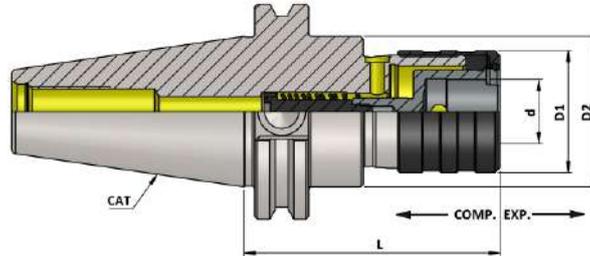
- BT (MAS 403) (DIN ISO 7388-2)
- KBT (MAS 403) (DIN ISO 7388-2)
- SK (DIN 69871) (DIN ISO 7388-1)
- HSK-A (DIN 69893-1)
- HSK-F (DIN 69893-6)
- CAT (ANSI B 5.50)
- Cylindrical Shank
- Morse Taper Shank

Available In Sizes:

- KWFLK1
- KWFLK2
- KWFLK3
- KWFLK4



CAT (ANSI B 5.50) Quick Change Tapping Chuck (KWFLK)



CAT (ANSI B 5.50) KWFLK

Item Name	Item Code	CAT	Capacity	Suitable Adaptor	Compr.	Expan.	d	D1	L
CAT40 KWFLK1 076	K10203169301127	40	M3-M12	KWES1B	7.5	7.5	19	36	76
CAT40 KWFLK2 100	K10203170301127	40	M6-M20	KWES2B	12.5	12.5	31	53	100
CAT40 KWFLK3 150	K10203171301127	40	M14-M33	KWES3B	20	20	48	78	150
CAT50 KWFLK1 076	K10204169301127	50	M3-M12	KWES1B	7.5	7.5	19	36	76
CAT50 KWFLK2 100	K10204170301127	50	M6- M20	KWES2B	12.5	12.5	31	53	100
CAT50 KWFLK3 140	K10204171301127	50	M14-M33	KWES3B	20	20	48	78	140
CAT50 KWFLK4 152	K10204172301127	50	M22- M48	KWES4B	22.5	22.5	60	96	152

Accessories:



Tap Adaptor KWES B & KWESK B



Tap Adaptor
Reduction Socket (KWRE)

Note: All Dimensions are in mm

Precision Tool Holders & Tapping Chucks with Cylindrical Shank & Morse Taper Shank



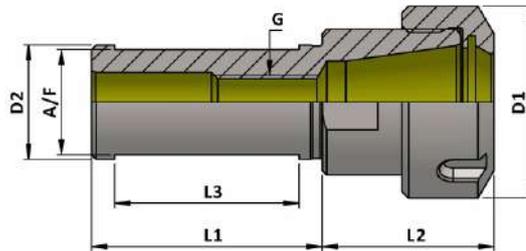
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Cylindrical Shank Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Diameter 0.005 mm as supplied



Cylindrical Collet Chuck ER

Item Name	Item Code	D1	D2	A/F	G	L1	L2	L3	Suitable Collet	Collet Capacity	Nut Size	Suitable Spanner
D16 ER 11 L 100	K10118148234127	19	16	-	M4	100	26	-	ER 11	0.5 - 7	ER 11	GS 17
D16 ER 11 L 150	K10118148236127	19	16	-	M4	150	26	-	ER 11	0.5 - 7	ER 11	GS 17
D16 ER 16 L 060	K10118149231127	32	16	-	M10	60	36	-	ER 16	0.5 - 10	ER 16	E16
D16 ER 16 L 100	K10118149234127	32	16	-	M10	100	36	-	ER 16	0.5 - 10	ER 16	E16
D16 ER 16 L 150	K10118149236127	32	16	-	M10	150	36	-	ER 16	0.5 - 10	ER 16	E16
D5/8" ER 11 L100	K10209148528127	19	5/8"	-	M4	100	26	-	ER 11	0.5 - 7	ER 11	GS 17
D5/8" ER 11 L150	K10209148635127	19	5/8"	-	M4	150	26	-	ER 11	0.5 - 7	ER 11	GS 17
D5/8" ER 16 L 60	K10209149231127	32	5/8"	-	M10	60	36	-	ER 16	0.5 - 10	ER 16	E16
D5/8" ER 16 L100	K10209149528127	32	5/8"	-	M10	100	36	-	ER 16	0.5 - 10	ER 16	E16
D5/8" ER 16 L150	K10209149491127	32	5/8"	-	M10	150	36	-	ER 16	0.5 - 10	ER 16	E16
D20 ER 11 L 060	K10119148231127	19	20	18	M4	60	26	50	ER 11	0.5 - 7	ER 11	GS 17
D20 ER 11 L 150	K10119148236127	19	20	-	M4	150	26	-	ER 11	0.5 - 7	ER 11	GS 17
D20 ER 16 L 050	K10119149230127	32	20	18	M10	50	31	40	ER 16	0.5-10	ER 16	E16
D20 ER 16 L 100	K10119149234127	32	20	-	M10	100	31	-	ER 16	0.5-10	ER 16	E16
D20 ER 16 L 160	K10119149330127	32	20	-	M10	160	31	-	ER 16	0.5-10	ER 16	E16
D20 ER 20 L 060	K10119150542127	35	20	18	M10	60	36	45	ER 20	1-13	ER 20	E20
D20 ER 20 L 100	K10119150234127	35	20	-	M10	100	36	-	ER 20	1-13	ER 20	E20
D20 ER 20 L 150	K10119150236127	35	20	-	M10	150	36	-	ER 20	1-13	ER 20	E20
D20 ER 25 L 050	K10119151230127	42	20	18	M12	50	46	40	ER 25	1-16	ER 25	E25

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



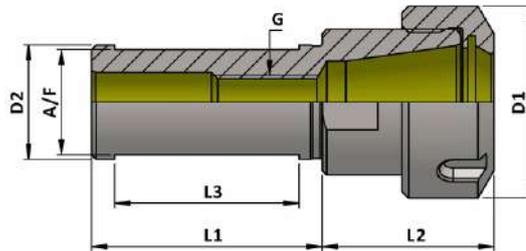
ER SPANNER

Note: All Dimensions are in mm

Cylindrical Shank Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Diameter 0.005 mm as supplied



Cylindrical Collet Chuck ER

Item Name	Item Code	D1	D2	A/F	G	L1	L2	L3	Suitable Collet	Collet Capacity	Nut Size	Suitable Spanner
DIA 3/4" ER 11 L060	K10219148632127	19	3/4"	18	M4	60	26	50	ER 11	0.5- 7	ER 11	GS 17
DIA 3/4" ER 11 L150	K10219148528127	19	3/4"	-	M4	150	26	-	ER 11	0.5- 7	ER 11	GS 17
DIA 3/4" ER 16 L050	K10219149630127	32	3/4"	18	M10	50	31	40	ER 16	0.5-10	ER 16	E16
DIA 3/4" ER 16 L100	K10219149528127	32	3/4"	-	M10	100	31	-	ER 16	0.5-10	ER 16	E16
DIA 3/4" ER 16 L160	K10219149635127	32	3/4"	-	M10	160	31	-	ER 16	0.5-10	ER 16	E16
DIA 3/4" ER 20 L060	K10219150632127	35	3/4"	18	M10	60	36	45	ER 20	1-13	ER 20	E20
DIA 3/4" ER 20 L100	K10219150528127	35	3/4"	-	M10	100	36	-	ER 20	1-13	ER 20	E20
DIA 3/4" ER 20 L150	K10219150634127	35	3/4"	-	M10	150	36	-	ER 20	1-13	ER 20	E20
DIA 3/4" ER 25 L050	K10219151630127	42	3/4"	18	M12	50	46	40	ER 25	1-16	ER 25	E25
D25 ER 25 L 050	K10120151230127	42	25	23	M12	50	32	40	ER 25	1 - 16	ER 25	E25
D25 ER 25 L 100	K10120151234127	42	25	-	M12	100	32	-	ER 25	1 - 16	ER 25	E25
D25 ER 32 L 050	K10120152230127	50	25	23	M12	50	54	40	ER 32	2 - 20	ER 32	E32
DIA 1" ER 25 L050	K10219151634127	42	1"	23	M12	50	32	40	ER 25	1 - 16	ER 25	E25
DIA 1" ER 25 L100	K10219151528127	42	1"	-	M12	100	32	-	ER 25	1 - 16	ER 25	E25
DIA 1" ER 32 L050	K10219151561127	50	1"	23	M12	50	54	40	ER 32	2 - 20	ER 32	E32
D32 ER 25 L 070	K10121151232127	42	32	30	M12	70	28	55	ER 25	1 - 16	ER 25	E25
D32 ER 32 L 070	K10121152232127	50	32	30	M12	70	38	60	ER 32	2 - 20	ER 32	E32

Accessories:



ER COLLET (DIN 6499)



TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



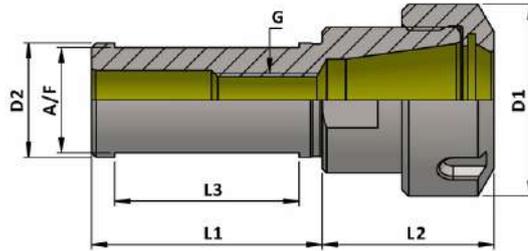
ER SPANNER

Note: All Dimensions are in mm

Cylindrical Shank Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Diameter 0.005 mm as supplied



Cylindrical Collet Chuck ER

Item Name	Item Code	D1	D2	A/F	G	L1	L2	L3	Suitable Collet	Collet Capacity	Nut Size	Suitable Spanner
DIA 1 1/4" ER 25 L070	K10222151630127	42	1 1/4"	30	M12	70	28	55	ER 25	1 - 16	ER 25	E25
DIA 1 1/4" ER 32 L070	K10222152630127	50	1 1/4"	30	M12	70	38	60	ER 32	2 - 20	ER 32	E32
D40 ER 25 L 070	K10122151578127	42	40	38	M12	70	42	60	ER25	1 - 16	ER 25	E25
D40 ER 32 L 070	K10122152232127	50	40	38	M12	70	30	55	ER32	2 - 20	ER 32	E32
D40 ER 40 L 080	K10122153577127	63	40	38	M16	80	60	70	ER40	3 - 26	ER 40	E40
DIA 1 1/2" ER 25 L070	K10274151630127	42	1 1/2"	38	M12	70	42	60	ER25	1 - 16	ER 25	E25
DIA 1 1/2" ER 32 L070	K10274152630127	50	1 1/2"	38	M12	70	30	55	ER32	2 - 20	ER 32	E32
DIA 1 1/2" ER 40 L080	K10274153555127	63	1 1/2"	38	M16	80	60	70	ER40	3 - 26	ER 40	E40

Accessories:



ER COLLET (DIN 6499)



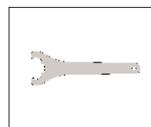
TAP COLLET ER-G



QC TAP COLLET QCTC
(Ref. Vol.2 Catalogue)



ER NUT



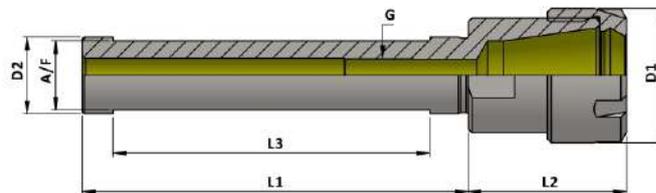
ER SPANNER

Note: All Dimensions are in mm

Cylindrical Shank Collet Chuck ER M Type (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Diameter 0.005 mm as supplied



Cylindrical Collet Chuck ER M Type

Item Name	Item Code	D1	D2	A/F	G	L1	L2	L3	Suitable Collet	Collet Capacity	Nut Size	Suitable Spanner
D08 ER08M L 080	K10115155577127	12	8	-	M4	80	24	-	ER 08	0.5 - 5	ER 08 M	ER08M
D08 ER08M L 125	K10115155235127	12	8	-	M4	125	20	-	ER 08	0.5 - 5	ER 08 M	ER08M
D12 ER08M L 100	K10117155234127	12	12	-	M4	100	15	-	ER 08	0.5 - 5	ER 08 M	ER08M
D12 ER11M L 100	K10117156234127	16	12	-	M6	100	25	-	ER 11	0.5 - 7	ER 11 M	ER11M
D1/2" ER08M L 100	K10208155542127	12	1/2"	-	M4	100	15	-	ER 08	0.5 - 5	ER 08 M	ER08M
D1/2" ER11M L 100	K10208156542127	16	1/2"	-	M6	100	25	-	ER 11	0.5 - 7	ER 11 M	ER11M
D16 ER11M L 100	K10118156234127	16	16	-	M6	100	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D16 ER11M L 160	K10118156330127	16	16	-	M6	160	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D16 ER16M L 060	K10118157542127	22	16	-	M8	60	37	-	ER 16	0.5 - 10	ER 16 M	ER16M
D16 ER16M L 160	K10118157330127	22	16	-	M8	160	37	-	ER 16	0.5 - 10	ER 16 M	ER16M
D5/8" ER11M L 100	K10209156542127	16	5/8"	-	M6	100	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D5/8" ER11M L 160	K10209156578127	16	5/8"	-	M6	160	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D5/8" ER16M L 060	K10209157578127	22	5/8"	-	M8	60	37	-	ER 16	0.5 - 10	ER 16 M	ER16M
D5/8" ER16M L 160	K10209157528127	22	5/8"	-	M8	160	37	-	ER 16	0.5 - 10	ER 16 M	ER16M
D20 ER11M L 050	K10119156230127	16	20	18	M6	50	22	40	ER 11	0.5 - 7	ER 11 M	ER11M
D20 ER11M L 100	K10119156234127	16	20	-	M6	100	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D20 ER16M L 060	K10119157542127	22	20	18	M10	60	30	50	ER 16	0.5 - 10	ER 16 M	ER16M
D20 ER16M L 100	K10119157234127	22	20	-	M10	100	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D20 ER16M L 130	K10119157487127	22	20	-	M10	130	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D20 ER16M L 160	K10119157330127	22	20	-	M10	160	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D20 ER16M L 200	K10119157237127	22	20	-	M10	200	30	-	ER 16	0.5 - 10	ER 16 M	ER16M

Accessories:



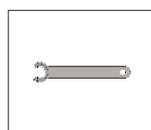
ER COLLET (DIN 6499)



ER M NUT



SEALING DISC



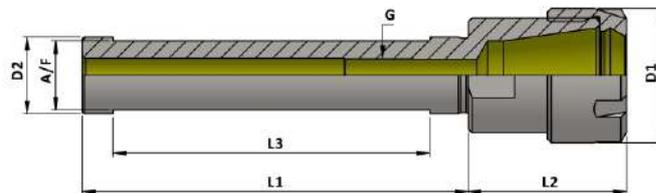
ERM SPANNER

Note: All Dimensions are in mm

Cylindrical Shank Collet Chuck ER M Type (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Diameter 0.005 mm as supplied



Cylindrical Collet Chuck ER M Type

Item Name	Item Code	D1	D2	A/F	G	L1	L2	L3	Suitable Collet	Collet Capacity	Nut Size	Suitable Spanner
D20 ER20M L 060	K10119158542127	28	20	18	M10	60	37	45	ER 20	1 - 13	ER 20 M	ER20M
D20 ER20M L 100	K10119158234127	28	20	-	M10	100	37	-	ER 20	1 - 13	ER 20 M	ER20M
D20 ER20M L 130	K10119158487127	28	20	-	M10	130	37	-	ER 20	1 - 13	ER 20 M	ER20M
D20 ER20M L 160	K10119158330127	28	20	-	M10	160	37	-	ER 20	1 - 13	ER 20 M	ER20M
D20 ER20M L 200	K10119158237127	28	20	-	M10	200	37	-	ER 20	1 - 13	ER 20 M	ER20M
D20 ER25M L 100	K10119159234127	35	20	-	M10	100	46	-	ER 25	1 - 16	ER 25 M	ER25M

D3/4" ER11M L 050	K10210156528127	16	3/4"	18	M6	50	22	40	ER 11	0.5 - 7	ER 11 M	ER11M
D3/4" ER11M L 100	K10210156342127	16	3/4"	-	M6	100	22	-	ER 11	0.5 - 7	ER 11 M	ER11M
D3/4" ER16M L 060	K10210157342127	22	3/4"	18	M10	60	30	50	ER 16	0.5 - 10	ER 16 M	ER16M
D3/4" ER16M L 100	K10210157528127	22	3/4"	-	M10	100	3Q	-	ER 16	0.5 - 10	ER 16 M	ER16M
D3/4" ER16M L 130	K10210157633127	22	3/4"	-	M10	130	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D3/4" ER16M L 160	K10210157561127	22	3/4"	-	M10	160	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D3/4" ER16M L 200	K10210157630127	22	3/4"	-	M10	200	30	-	ER 16	0.5 - 10	ER 16 M	ER16M
D3/4" ER20M L 060	K10210158633127	28	3/4"	18	M10	60	37	45	ER 20	1 - 13	ER 20 M	ER20M
D3/4" ER20M L 100	K10210158631127	28	3/4"	-	M10	100	37	-	ER 20	1 - 13	ER 20 M	ER20M
D3/4" ER20M L 130	K10210158632127	28	3/4"	-	M10	130	37	-	ER 20	1 - 13	ER 20 M	ER20M
D3/4" ER20M L 160	K10210158232127	28	3/4"	-	M10	160	37	-	ER 20	1 - 13	ER 20 M	ER20M
D3/4" ER20M L 200	K10210158555127	28	3/4"	-	M10	200	37	-	ER 20	1 - 13	ER 20 M	ER20M
D3/4" ER25M L 100	K10210159555127	35	3/4"	-	M10	100	46	-	ER 25	1 - 16	ER 25 M	ER25M

D25 ER25M L 160	K10119159330127	35	25	-	M10	160	32	-	ER 25	1 - 16	ER 25 M	ER25M
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DIA 1" ER25M L 160	K10219159555127	35	1"	-	M10	160	32	-	ER 25	1 - 16	ER 25 M	ER25M
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Accessories:



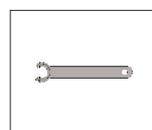
ER COLLET (DIN 6499)



ER M NUT



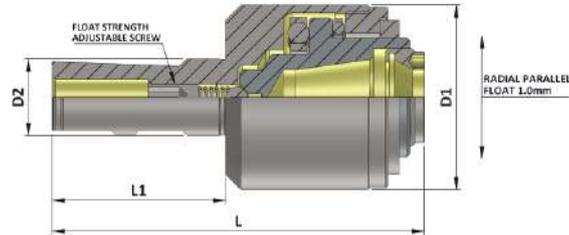
SEALING DISC



ERM SPANNER

Note: All Dimensions are in mm

Cylindrical Shank (DIN 1835 B+E) Floating Reamer Holder (FRH)



Cylindrical Shank (DIN 1835 B+E) (FRH)								
Item Name	Item Code	D1	D2	L	L1	Collet Capacity	Spanner	Radial Parallel Float
FRH DIA 20 ER 25A 116	K10160289302127	60	20	116	51	1-16	E25A	1.0mm
FRH DIA 25 ER 25A 121	K10140243240127	60	25	121	56	1-16	E25A	1.0mm
FRH DIA 32 ER 25A 126	K10141243263127	60	32	126	61	1-16	E25A	1.0mm
FRH DIA 3/4" ER 25A 116	K10217243241521	60	3/4"	116	51	1-16	E25A	1.0mm
FRH DIA 1" ER 25A 121	K10217243240521	60	1"	121	56	1-16	E25A	1.0mm
FRH DIA 1 1/4" ER 25A 126	K10218243263521	60	1 1/4"	126	61	1-16	E25A	1.0mm

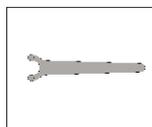
Accessories:



ER COLLET (DIN 6499)



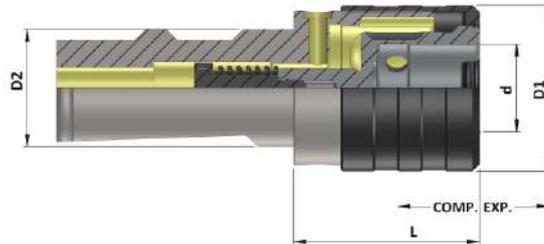
ER A- TYPE -NUT



SPANNER A TYPE

Note: All Dimensions are in mm

Quick Change Tapping Chuck With Cylindrical Shank (DIN 1835 B+E) (KWFLK)



Cylindrical Shank (DIN 1835 B+E) KWFLK

Item Name	Item Code	Capacity	Suitable Adaptor	Comp	Exp	d	D1	D2	L
DIA 16 KWFLK0	K11208267193	M1 - M10	KWES 0B	6.5	6.5	13	26	16	37
DIA 20 KWFLK0	K11176267193	M1 - M10	KWES 0B	6.5	6.5	13	26	20	37
DIA 20 KWFLK1	K11176233193	M3 - M12	KWES 1B	7.5	7.5	19	36	20	40
DIA 25 KWFLK1	K11177233193	M3 - M12	KWES 1B	7.5	7.5	19	36	25	40
DIA 25 KWFLK2	K11177234193	M6 - M20	KWES 2B	12.5	12.5	31	53	25	63
DIA 32 KWFLK1	K11178233193	M3 - M12	KWES 1B	7.5	7.5	19	36	32	40
DIA 32 KWFLK2	K11178234193	M6 - M20	KWES 2B	12.5	12.5	31	53	32	63
DIA 32 KWFLK3	K11178235193	M14 - M33	KWES 3B	20	20	48	78	32	125
DIA 40 KWFLK1	K11179233193	M3 - M12	KWES 1B	7.5	7.5	19	36	40	40
DIA 40 KWFLK2	K11179234193	M6 - M20	KWES 2B	12.5	12.5	31	53	40	63
DIA 40 KWFLK3	K11179235193	M14 - M33	KWES 3B	20	20	48	78	40	125
DIA 40 KWFLK4	K11179236193	M22 - M48	KWES 4B	22.5	22.5	60	96	40	126
DIA 50 KWFLK4	K11180236193	M22 - M48	KWES 4B	22.5	22.5	60	96	50	126
DIA 3/4" KWFLK1	K10221169301127	M3 - M12	KWES 1B	7.5	7.5	19	36	3/4"	40
DIA 1" KWFLK1	K10219169301127	M3 - M12	KWES 1B	7.5	7.5	19	36	1"	40
DIA 1" KWFLK2	K10219170301127	M6 - M20	KWES 2B	12.5	12.5	31	53	1"	63
DIA 1 1/4" KWFLK1	K11216233193	M3 - M12	KWES 1B	7.5	7.5	19	36	1 1/4"	40
DIA 1 1/4" KWFLK2	K11216234193	M6 - M20	KWES 2B	12.5	12.5	31	53	1 1/4"	63
DIA 1 1/4" KWFLK3	K11216235193	M14 - M33	KWES 3B	20	20	48	78	1 1/4"	125
DIA 1 1/2" KWFLK3	K11211235193	M14 - M33	KWES 3B	20	20	48	78	1 1/2"	125

Accessories:



KWES



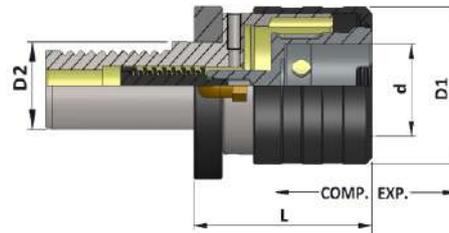
KWESK TYPE



KWRE

Note: All Dimensions are in mm

Quick Change Tapping Chuck VDI Shank (KWFLK)



VDI Shank KWFLK									
Item Name	Item Code	Capacity	Suitable Adaptor	Comp	Exp	d	D1	D2	L
VDI 20 KWFLK1	K10284169522127	M3 - M12	KWES 1B	7.5	7.5	19	36	20	52
VDI 25 KWFLK1	K10285169522127	M3 - M12	KWES 1B	7.5	7.5	19	36	25	52
VDI 25 KWFLK2	K10285170480127	M6 - M20	KWES 2B	12.5	12.5	31	53	25	76
VDI 30 KWFLK1	K10261169522127	M3 - M12	KWES 1B	7.5	7.5	19	36	30	55
VDI 30 KWFLK2	K10261170480127	M6 - M20	KWES 2B	12.5	12.5	31	53	30	76
VDI 40 KWFLK1	K10262169522127	M3 - M12	KWES 1B	7.5	7.5	19	36	40	55
VDI 40 KWFLK2	K10262170480127	M6 - M20	KWES 2B	12.5	12.5	31	53	40	76
VDI 40 KWFLK3	K10262171481127	M14 - M33	KWES 3B	20	20	48	78	40	130
VDI 50 KWFLK1	K10263169522127	M3 - M12	KWES 1B	7.5	7.5	19	36	50	55
VDI 50 KWFLK2	K10263170480127	M6 - M20	KWES 2B	12.5	12.5	31	53	50	76
VDI 50 KWFLK3	K10263171481127	M14 - M33	KWES 3B	20	20	48	78	50	107

Accessories:



KWES



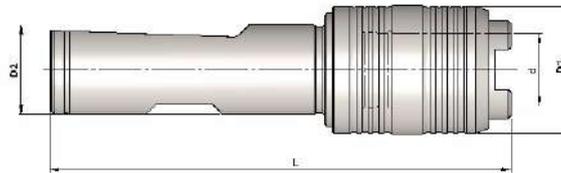
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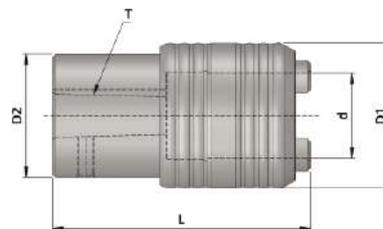
KWRE

Note: All Dimensions are in mm

Quick Change Tapping Attachment “Q” Series



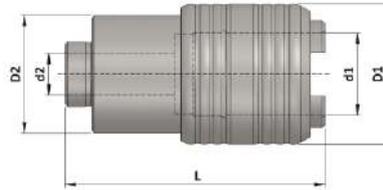
Q “Cylindrical Type”				(No Compression & No Expansion)			
Item Name	Item Code	Capacity	Suitable Adaptor	d	D1	D2	L
DIA 16 Q 0	K11208241193	M1-M10	KWES0B/KWE0	13	23	16	33
DIA 20 Q 0	K11176241193	M1-M10	KWES0B/KWE0	13	23	20	33



Q (Short Internal Taper)				(No Compression & No Expansion)				
Item Name	Item Code	Capacity	Suitable Adaptor	d	D1	D2	T	L
INTERNAL B12 Q 3-12	K11245241223	M3 - M12	KWES1B / KWE1	19	32	27.9	B12	59
INTERNAL B16 Q 8-20	K11246241225	M6 - M20	KWES2B / KWE2	31	50	44.8	B16	80
INTERNAL B18 Q 8-20	K11247241225	M6 - M20	KWES2B / KWE2	31	50	44.8	B18	88

Note: All Dimensions are in mm

Quick Change Tapping Attachment “Q” Series



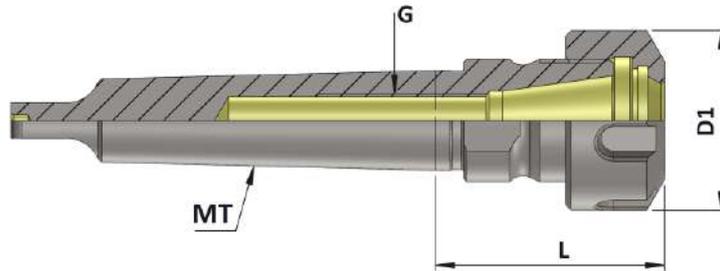
Q (Internal Dia.)				(No Compression & No Expansion)				
Item Name	Item Code	Capacity	Suitable Adaptor	d1	d2	D1	D2	L
INTERNAL DIA 16 Q 8-20	K11233241225	M6 - M20	KWES2B / KWE2	31	16	50	44.8	86.5
INTERNAL DIA 25 Q 8-20	K11243241225	M6 - M20	KWES2B / KWE2	31	25	50	44.8	103
INTERNAL DIA 25 Q 14-33	K11243241226	M14 - M33	KWES3B / KWE3	48	25	72	67.4	124.5
INTERNAL DIA 35 Q 22-48	K11258241265	M22 - M48	KWES4B / KWE4	60	35	92	84	139

Note: All Dimensions are in mm

Morse Taper (DIN 228 B) Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



Morse Taper (DIN 228 B) Collet Chuck ER

Item Name	Item Code	D1	G	L	Suitable Collet	Collet Capacity	Nut Size	Spanner
MT 2B ER 16 042	K10129149107127	32	M6	42	ER 16	0.5 - 10	ER 16	E16
MT 2B ER 20 048	K10129150110127	35	M8	48	ER 20	1 - 13	ER 20	E20
MT 3B ER 25 052	K10130151113127	42	M10	52	ER 25	1 - 16	ER 25	E25
MT 3B ER 32 070	K10130152125127	50	M12	70	ER 32	2 - 20	ER 32	E32
MT 4B ER 32 054	K10131152114127	50	M12	54	ER 32	2 - 20	ER 32	E32
MT 4B ER 40 075	K10131153127127	63	M16	75	ER 40	3 - 26	ER 40	E40
MT 4B ER 50 105	K10131154152127	78	M16	105	ER 50	10 - 34	ER 50	E50
MT 5B ER 40 082	K10132153255127	63	M16	82	ER 40	3 - 26	ER 40	E40
MT 5B ER 50 100	K10132154148127	78	M16	100	ER 50	10 - 34	ER 50	E50

Accessories:



ER COLLET (DIN 6499)



ER NUT



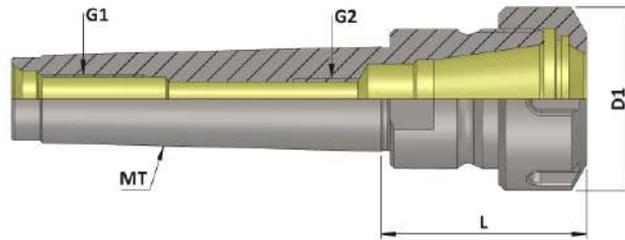
ER SPANNER

Note: All Dimensions are in mm

Morse Taper (DIN 228 A) Collet Chuck ER (DIN 6499)



Maximum Run out of the Internal Taper with respect to the External Taper 0.005 mm as supplied



Morse Taper (DIN 228 A) Collet Chuck ER

Item Name	Item Code	D1	G1	G2	L	Suitable Collet	Collet Capacity	Nut Size	Spanner
MT 2A ER 16 042	K10124149107127	32	M10	M6	42	ER16	0.5 - 10	ER 16	E16
MT 2A ER 20 048	K10124150110127	35	M10	M8	48	ER20	1 - 13	ER 20	E20
MT 3A ER 25 052	K10125151113127	42	M12	M10	52	ER25	1 - 16	ER 25	E25
MT 3A ER 32 070	K10125152125127	50	M12	M12	70	ER32	2 - 20	ER 32	E32
MT 4A ER 32 054	K10126152114127	50	M16	M12	54	ER32	2-20	ER32	E32
MT 4A ER 40 075	K10126153127127	63	M16	M16	75	ER40	3-26	ER40	E40
MT 4A ER 50 105	K10126154152127	78	M16	M16	105	ER50	10-34	ER50	E50
MT 5A ER 40 082	K10127153255127	63	M20	M16	82	ER40	3 - 26	ER 40	E40
MT 5A ER 50 100	K10127154148127	78	M20	M16	100	ER50	10 - 34	ER 50	E50

Accessories:



ER COLLET (DIN 6499)



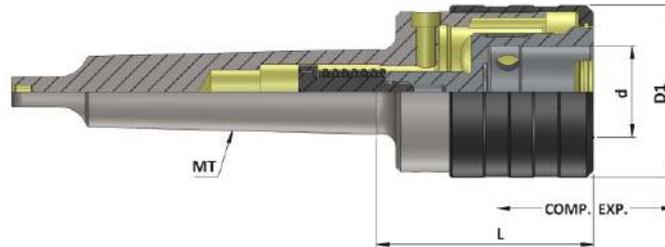
ER NUT



ER SPANNER

Note: All Dimensions are in mm

Morse Taper (DIN 228 B) Quick Change Tapping Chuck (KWFLK)



Morse Taper (DIN 228 B) (KWFLK)

Item Name	Item Code	Capacity	Suitable Adaptor	Comp	Exp	d	D1	L
MT2B KWFLK1	K11227233193	M3 - M12	KWES 1B	7.5	7.5	19	36	47
MT3B KWFLK1	K11228233193	M3 - M12	KWES 1B	7.5	7.5	19	36	47
MT3B KWFLK2	K11228234193	M6 - M20	KWES 2B	12.5	12.5	31	53	71
MT4B KWFLK2	K11213234193	M6 - M20	KWES 2B	12.5	12.5	31	53	72
MT4B KWFLK3	K11213235193	M14 - M33	KWES 3B	20	20	48	78	105
MT4B KWFLK3 WITH KEEPER SLOT	K11213235240	M14 - M33	KWES 3B	20	20	48	78	105
MT5B KWFLK3	K11215235193	M14 - M33	KWES 3B	20	20	48	78	105
MT5B KWFLK3 WITH KEEPER SLOT	K11215235240	M14 - M33	KWES 3B	20	20	48	78	105
MT5B KWFLK4	K11215236193	M22 - M48	KWES 4B	22.5	22.5	60	96	117

Accessories:



KWES



KWESK



KWRE

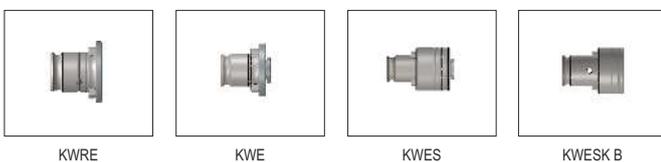
Note: All Dimensions are in mm

Quick Change Tapping Attachment Q (Morse Taper)



Q (Morse Taper)		(No Compression & No Expansion)				
Item Name	Item Code	Capacity	Suitable Adaptor	d	D1	L
MT2 B Q 3-12	K11201241223	M3 - M12	KWES1B/KWE1	19	32	40
MT3 B Q 3-12	K11202241223	M3 - M12	KWES1B/KWE1	19	32	40
MT2 B Q 8-20	K11201241225	M8 - M20	KWES2B/KWE2	31	50	61
MT3 B Q 8-20	K11202241225	M8 - M20	KWES2B/KWE2	31	50	61

Accessories:



Note: All Dimensions are in mm

Features:

With its Appropriate Quick Change Adaptors for Drilling, Counter boring, Reaming & Tapping Operations, is the ideal Quick change system. This system is capable to Perform Economically and with the Highest Accuracy, an Unlimited Number of Operations at a Single Clamping of the Component.

The Adaptor Locks Automatically in the main body after the insertion, ejects Positively When Required, High Concentricity with no Axial and Radial Play, Extremely Short Movement when Changing the tools, Tool Change can be Effected Safely and Efficiently with the Spindle running up to 2000 R.P.M. or stationery. It can be used for Right Hand or Left Hand Rotations, for Horizontal or Vertical Applications.

- **Vertical as well as Horizontal Applications:**

- Center Drilling & Drilling
- Counter boring Chamfering
- Reaming
- Tapping

- **Best Suitable for:**

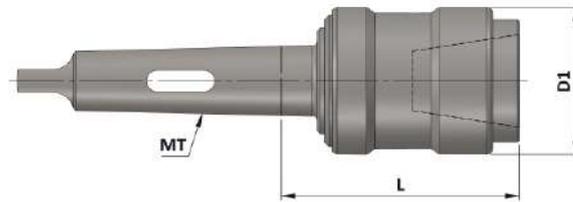
- Drilling Machines
- Radial Drilling Machines
- Lathe Machines
- Tool Room Milling Machines

- **Available In Size:**

- QCDTC 3
- QCDTC 4



QCDTC - With Morse Taper Shank (MT)

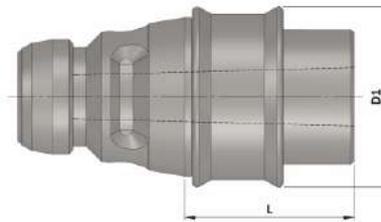


QCDTC - With Morse Taper Shank (MT)

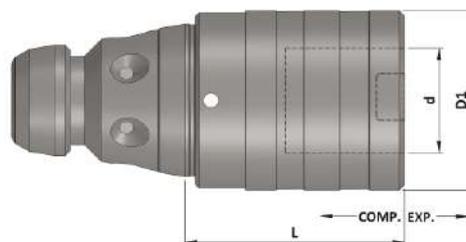
Item Name	Item Code	Suitable Adaptor	D1	L
MT3B QCDTC3	K11202231193	SIZE3	60	88
MT4B QCDTC4	K11213232193	SIZE4	72	102

Note: All Dimensions are in mm

Quick Change Drill Adaptor (QCDA) Quick Change Tap Adaptor Holder (QCTAH)



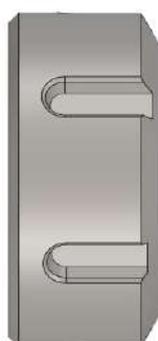
QCDA / MT				
Item Name	Item Code	Suitable Chuck	D1	L
QCDA3 MT1	K11121237193	QCDC3	50	20.5
QCDA3 MT2	K11121140193	QCDC3	50	20.5
QCDA3 MT3	K11121113193	QCDC3	50	38.5
QCDA4 MT1	K11122237193	QCDC4	60	33.5
QCDA4 MT2	K11122140193	QCDC4	60	33.5
QCDA4 MT3	K11122113193	QCDC4	60	33.5
QCDA4 MT4	K11122114193	QCDC4	60	56



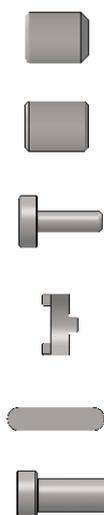
Quick Change Tap Adaptor Holder (QCTAH)									
Item Name	Item Code	Capacity	Suitable Adaptor	Suitable Chuck	Comp.	Exp.	d	D1	L
QCTAH3 /1	K11126112193	M3 - M12	KWES1B	QCDC3	7.5	7.5	19	36	42
QCTAH3 /2	K11126115193	M6 - M20	KWES2B	QCDC3	12.5	12.5	31	53	66
QCTAH3 /3	K11126116193	M14 - M33	KWES3B	QCDC3	20	20	48	78	126
QCTAH4 /2	K11127115193	M6 - M20	KWES1B	QCDC4	12.5	12.5	31	53	66
QCTAH4 /3	K11127116193	M14 - M33	KWES2B	QCDC4	20	20	48	78	121
QCTAH4 /4	K11127117193	M22 - M48	KWES3B	QCDC4	22.5	22.5	60	96	135

Note: All Dimensions are in mm

Accessories For Precision Tool Holders & Tapping Chucks

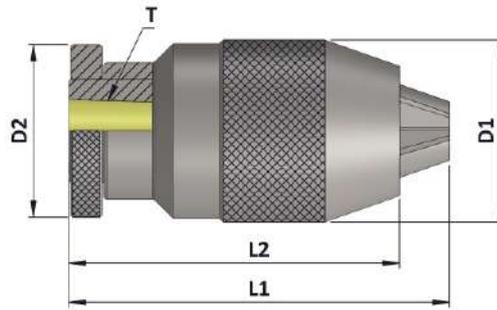


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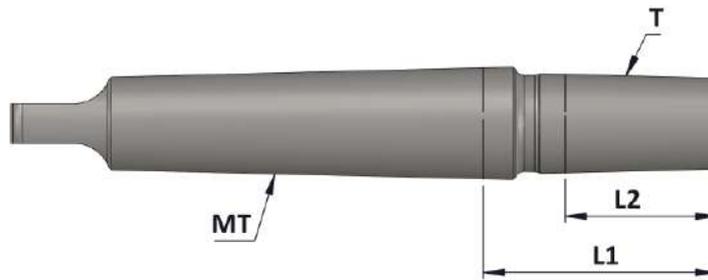
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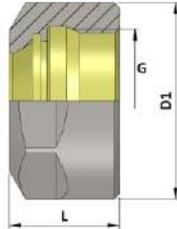


Precision Key Less Drill Chuck						
Item Name	Item Code	D1	D2	T	L1	L2
DC 1-13 J6	K10151160301127	50	48	J 6	103	90.5

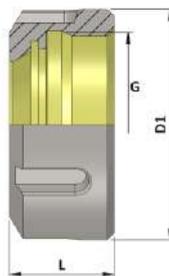


Precision Arbor (DIN 228 B)					
Item Name	Item Code	T	Morse Taper (MT)	L1	L2
ARBOR MT2B J6	K10198373319127	J6	MT 2	38.5	25.4

Note: All Dimensions are in mm

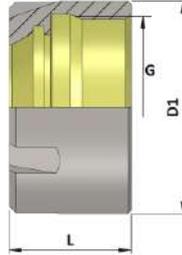


Hex. Nut ER					
Item Name	Item Code	D1	G	L	Suitable Spanner
UM ER 11 HEX	K10183273271139	19	M14 x 0.75	11.3	GS 17
UM ER 16 HEX	K10183273272139	28	M22 x 1.50	17.5	GS 25
UM ER 20 HEX	K10183150541127	34	M25 x 1.50	19	GS 30

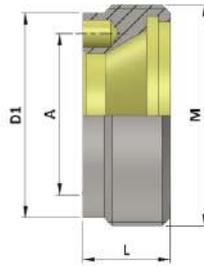


UM ER Slotted Nut					
Item Name	Item Code	D1	G	L	Suitable Spanner
UM ER 16 SLOTTED	K10183273272134	32	M22 x 1.5	17.50	E16
UM ER 20 SLOTTED	K10183273273134	35	M25 x 1.5	19.00	E20
UM ER 25 SLOTTED	K10183273274134	42	M32 x 1.5	20.00	E25
UM ER 32 SLOTTED	K10183273275134	50	M40 x 1.5	22.50	E32
UM ER 40 SLOTTED	K10183273276134	63	M50 x 1.5	25.50	E40
UM ER 50 SLOTTED	K10183273277134	78	M64 x 2	35.00	E50

Note: All Dimensions are in mm



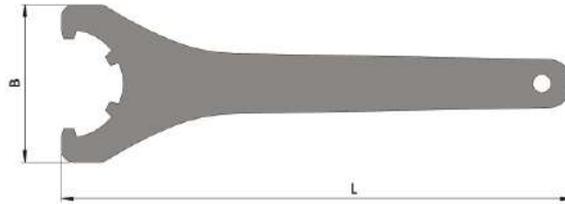
UM ER M Slotted Nut (Mini Nut)						
Item Name	Item Code	D1	G	L	Suitable Spanner	
UM ER 8 M	K10183273270136	12	M10 x 0.75	11	E8M	
UM ER 11 M	K10183273271136	16	M13 x 0.75	11.50	E11M	
UM ER 16 M	K10183273272136	22	M19 x 1.0	17.50	E16M	
UM ER 20 M	K10183273273136	28	M24 x 1.0	19	E20M	
UM ER 25 M	K10183273274136	35	M30 x 1.0	20	E25M	



UM ER Nut (Short GP Nut)						
Item Name	Item Code	D1	A	M	L	Suitable Spanner
UM ER 25A	K10183243301127	29.50	23.60	M32 x 1.5	12.50	E25A
UM ER 32A	K10183244301127	37	31.85	M40 x 1.5	18.50	E32A

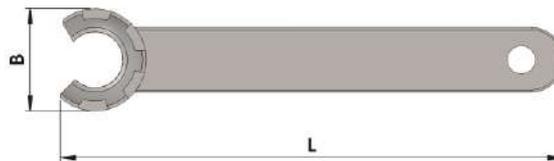
Note: All Dimensions are in mm

Spanner Type (E)



Spanner Type E				
Item Name	Item Code	B	L	Suitable Nut
SPANNER E16	K10184355301127	50	160	UM/ER16
SPANNER E20	K10184356301127	55	180	UM/ER20
SPANNER E25	K10184357301127	65	210	UM/ER25
SPANNER E32	K10184358301127	75	250	UM/ER32
SPANNER E40	K10184359301127	90	290	UM/ER40
SPANNER E50	K10184360301127	110	350	UM/ER50

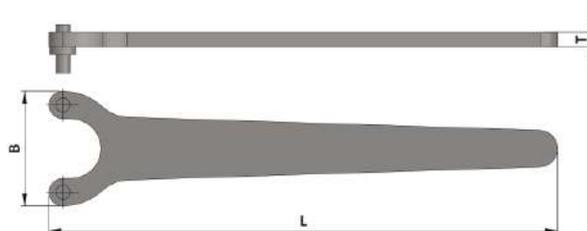
Spanner Type (EM) (Mini)



Spanner Type (EM) (Mini)				
Item Name	Item Code	B	L	Suitable Nut
SPANNER E 8M	K10184398301127	12.4	70	UM/ER8M
SPANNER E11M	K10184399301127	16.8	90	UM/ER11M
SPANNER E16M	K10184400301127	22.5	110	UM/ER16M
SPANNER E20M	K10184401301127	29	120	UM/ER20M
SPANNER E25M	K10184402301127	36	130	UM/ER25M

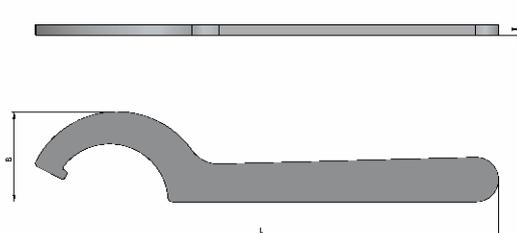
Note: All Dimensions are in mm

Spanner Type (ER A)

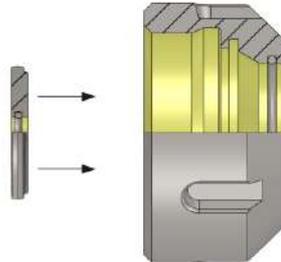


Spanner Type (ER A)					
Item Name	Item Code	T	B	L	Suitable Nut
SPANNER E25A	K10184487301127	4	31	130	UM/ER25A
SPANNER E32A	K10184488301127	5	42	150	UM/ER32A

Spanner For (NCDC)



Spanner for (NCDC)					
Item Name	Item Code	T	B	L	Suitable Nut
SPANNER for NCDC	K10184167301127	5	48	176	NCDC 1-13

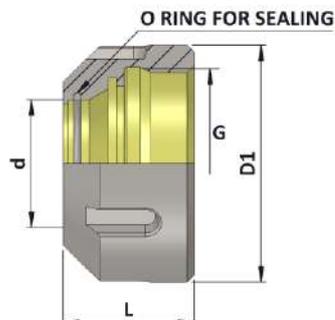


Technical Information :

Sealing Nuts along with Sealing Disc has a compact design with very short extension of clamping nuts which gives the following benefits.

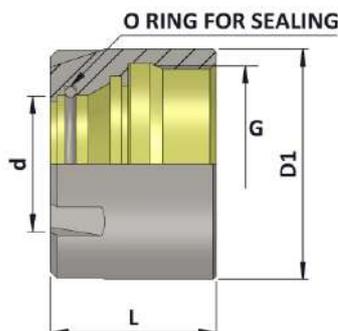
- 1) It protects against all kind of dirt and chips entering the slots of the collet.
- 2) Coolant through tools can be used, which gives improved cooling and lubrication of tools and hence increase the tool life.
- 3) Improved chip removal.
- 4) Sealing Disc are available from $\text{Ø } 3.0 \text{ mm}$ in range of 0.5mm. Hence easy changing of Sealing Disk according to required application.
- 5) No need of expensive sealed collets. Regular collets are best suitable.

UM ER Sealed Nut

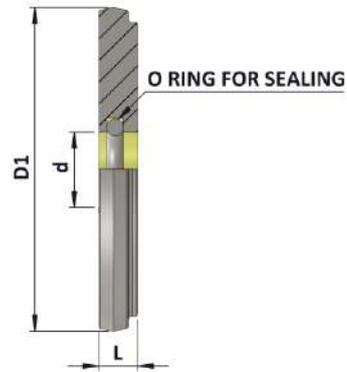


UM ER Sealed Nut						
Item Name	Item Code	d	D1	G	L	Suitabale Spanner
UM ER 16 S	K10183273272135	13	32	M22 x 1.5	22.5	E16
UM ER 20 S	K10183273273135	16	35	M25 x 1.5	24	E20
UM ER 25 S	K10183273274135	21	42	M32 x 1.5	25	E25
UM ER 32 S	K10183273275135	27	50	M40 x 1.5	27.5	E32
UM ER 40 S	K10183273276135	33.5	63	M50 x 1.5	30.5	E40
UM ER 50 S	K10183273277135	43.5	78	M64 x 2	42.5	E50

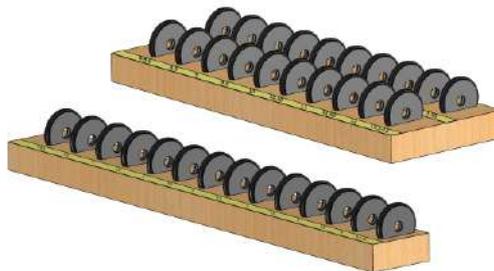
UM ER M Sealed Nut (Mini Sealed Nut)



UM ER M Sealed Nut (Mini Sealed Nut)						
Item Name	Item Code	d	D1	G	L	Suitabale Spanner
UM ER 16 MS	K10183273272137	13	22	M19 x 1.0	22	E16M
UM ER 20 MS	K10183273273137	16	28	M24 x 1.0	24	E20M
UM ER 25 MS	K10183273274137	21	35	M30 x 1.0	25	E25M



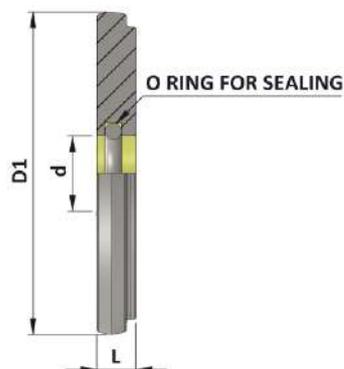
Technical Information			
Item Name	D1	Holding Rang (d)	L
SEALING DISC ER 16	13	3.0 - 10	4
SEALING DISC ER 20	16	3.0 - 13	4
SEALING DISC ER 25	21	3.0 - 16	4
SEALING DISC ER 32	27	3.0 - 20	4
SEALING DISC ER 40	33	3.0 - 26	4
SEALING DISC ER 50	43.5	6 - 32.5	4.5



Set of Sealing Disc			
Item Name	Item Code	Clamping Range	PCS/SET
SET OF SEALING DISC ER 16 3.0 - 10MM	K10256149294127	3.0 - 10	14 Nos
SET OF SEALING DISC ER 20 3.0 - 13MM	K10256150295127	3.0 - 13	20 Nos
SET OF SEALING DISC ER 25 3.0 - 16MM	K10256151296127	3.0 - 16	26 Nos
SET OF SEALING DISC ER 32 3.0 - 20MM	K10256152297127	3.0 - 20	34 Nos
SET OF SEALING DISC ER 40 3.0 - 26MM	K10256153298127	3.0 - 26	46 Nos

Note: All Dimensions are in mm

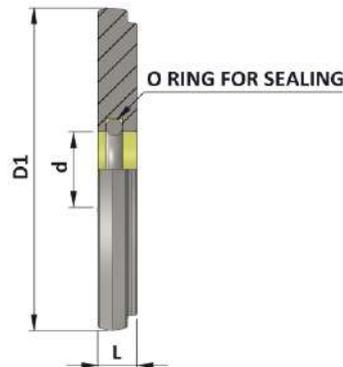
Sealing Disc for Sealed Nut (ER-S & ER-MS)



Sealing Disc ER 16						
Item Name	Item Code	Suitable Nut	d	D1	L	O' Ring Size
SEALING DISC ER 16 3.00 - 3.50	K10152149185127	ER 16 S / ER 16 MS	3.00 - 3.50	13	4	2.80X1.50
SEALING DISC ER 16 3.50 - 4.00	K10152149186127	ER 16 S / ER 16 MS	3.50 - 4.00	13	4	3.30X1.50
SEALING DISC ER 16 4.00 - 4.50	K10152149187127	ER 16 S / ER 16 MS	4.00 - 4.50	13	4	3.80X1.50
SEALING DISC ER 16 4.50 - 5.00	K10152149188127	ER 16 S / ER 16 MS	4.50 - 5.00	13	4	4.30X1.50
SEALING DISC ER 16 5.00 - 5.50	K10152149189127	ER 16 S / ER 16 MS	5.00 - 5.50	13	4	4.80X1.50
SEALING DISC ER 16 5.50 - 6.00	K10152149190127	ER 16 S / ER 16 MS	5.50 - 6.00	13	4	5.30X1.50
SEALING DISC ER 16 6.00 - 6.50	K10152149191127	ER 16 S / ER 16 MS	6.00 - 6.50	13	4	5.80X1.50
SEALING DISC ER 16 6.50 - 7.00	K10152149192127	ER 16 S / ER 16 MS	6.50 - 7.00	13	4	6.30X1.50
SEALING DISC ER 16 7.00 - 7.50	K10152149193127	ER 16 S / ER 16 MS	7.00 - 7.50	13	4	6.80X1.50
SEALING DISC ER 16 7.50 - 8.00	K10152149194127	ER 16 S / ER 16 MS	7.50 - 8.00	13	4	7.30X1.50
SEALING DISC ER 16 8.00 - 8.50	K10152149195127	ER 16 S / ER 16 MS	8.00 - 8.50	13	4	7.80X1.50
SEALING DISC ER 16 8.50 - 9.00	K10152149196127	ER 16 S / ER 16 MS	8.50 - 9.00	13	4	8.30X1.50
SEALING DISC ER 16 9.00 - 9.50	K10152149197127	ER 16 S / ER 16 MS	9.00 - 9.50	13	4	8.80X1.00
SEALING DISC ER 16 9.50 - 10.00	K10152149198127	ER 16 S / ER 16 MS	9.50 - 10.00	13	4	9.30X1.00

Note: All Dimensions are in mm

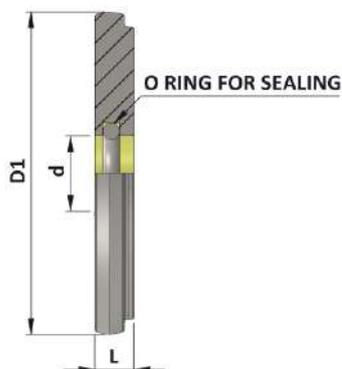
Sealing Disc for Sealed Nut (ER-S & ER-MS)



Sealing Disc ER 20						
Item Name	Item Code	Suitable Nut	d	D1	L	O' Ring Size
SEALING DISC ER 20 3.00 - 3.50	K10152150185127	ER 20 S / ER 20 MS	3.00 - 3.50	16	4	2.80X1.50
SEALING DISC ER 20 3.50 - 4.00	K10152150186127	ER 20 S / ER 20 MS	3.50 - 4.00	16	4	3.30X1.50
SEALING DISC ER 20 4.00 - 4.50	K10152150187127	ER 20 S / ER 20 MS	4.00 - 4.50	16	4	3.80X1.50
SEALING DISC ER 20 4.50 - 5.00	K10152150188127	ER 20 S / ER 20 MS	4.50 - 5.00	16	4	4.30X1.50
SEALING DISC ER 20 5.00 - 5.50	K10152150189127	ER 20 S / ER 20 MS	5.00 - 5.50	16	4	4.80X1.50
SEALING DISC ER 20 5.50 - 6.00	K10152150190127	ER 20 S / ER 20 MS	5.50 - 6.00	16	4	5.30X1.50
SEALING DISC ER 20 6.00 - 6.50	K10152150191127	ER 20 S / ER 20 MS	6.00 - 6.50	16	4	5.80X1.50
SEALING DISC ER 20 6.50 - 7.00	K10152150192127	ER 20 S / ER 20 MS	6.50 - 7.00	16	4	6.30X1.50
SEALING DISC ER 20 7.00 - 7.50	K10152150193127	ER 20 S / ER 20 MS	7.00 - 7.50	16	4	6.80X1.50
SEALING DISC ER 20 7.50 - 8.00	K10152150194127	ER 20 S / ER 20 MS	7.50 - 8.00	16	4	7.30X1.50
SEALING DISC ER 20 8.00 - 8.50	K10152150195127	ER 20 S / ER 20 MS	8.00 - 8.50	16	4	7.80X1.50
SEALING DISC ER 20 8.50 - 9.00	K10152150196127	ER 20 S / ER 20 MS	8.50 - 9.00	16	4	8.30X1.50
SEALING DISC ER 20 9.00 - 9.50	K10152150197127	ER 20 S / ER 20 MS	9.00 - 9.50	16	4	8.80X1.50
SEALING DISC ER 20 9.50 - 10.00	K10152150198127	ER 20 S / ER 20 MS	9.50 - 10.00	16	4	9.30X1.50
SEALING DISC ER 20 10.00 - 10.50	K10152150199127	ER 20 S / ER 20 MS	10.00 - 10.50	16	4	9.80X1.50
SEALING DISC ER 20 10.50 - 11.00	K10152150200127	ER 20 S / ER 20 MS	10.50 - 11.00	16	4	10.30X1.50
SEALING DISC ER 20 11.00 - 11.50	K10152150201127	ER 20 S / ER 20 MS	11.00 - 11.50	16	4	10.80X1.50
SEALING DISC ER 20 11.50 - 12.00	K10152150202127	ER 20 S / ER 20 MS	11.50 - 12.00	16	4	11.30X1.50
SEALING DISC ER 20 12.00 - 12.50	K10152150203127	ER 20 S / ER 20 MS	12.00 - 12.50	16	4	11.80X1
SEALING DISC ER 20 12.50 - 13.00	K10152150204127	ER 20 S / ER 20 MS	12.50 - 13.00	16	4	12.30X1

Note: All Dimensions are in mm

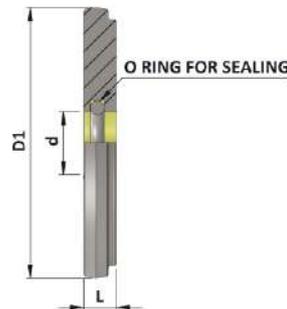
Sealing Disc for Sealed Nut (ER-S & ER-MS)



Sealing Disc ER 25						
Item Name	Item Code	Suitabile Nut	d	D1	L	O' Ring Size
SEALING DISC ER 25 3.00 - 3.50	K10152151185127	ER 25 S / ER 25 MS	3.00 - 3.50	21	4	2.80X1.50
SEALING DISC ER 25 3.50 - 4.00	K10152151186127	ER 25 S / ER 25 MS	3.50 - 4.00	21	4	3.30X1.50
SEALING DISC ER 25 4.00 - 4.50	K10152151187127	ER 25 S / ER 25 MS	4.00 - 4.50	21	4	3.80X1.50
SEALING DISC ER 25 4.50 - 5.00	K10152151188127	ER 25 S / ER 25 MS	4.50 - 5.00	21	4	4.30X1.50
SEALING DISC ER 25 5.00 - 5.50	K10152151189127	ER 25 S / ER 25 MS	5.00 - 5.50	21	4	4.80X1.50
SEALING DISC ER 25 5.50 - 6.00	K10152151190127	ER 25 S / ER 25 MS	5.50 - 6.00	21	4	5.30X1.50
SEALING DISC ER 25 6.00 - 6.50	K10152151191127	ER 25 S / ER 25 MS	6.00 - 6.50	21	4	5.80X1.50
SEALING DISC ER 25 6.50 - 7.00	K10152151192127	ER 25 S / ER 25 MS	6.50 - 7.00	21	4	6.30X1.50
SEALING DISC ER 25 7.00 - 7.50	K10152151193127	ER 25 S / ER 25 MS	7.00 - 7.50	21	4	6.80X1.50
SEALING DISC ER 25 7.50 - 8.00	K10152151194127	ER 25 S / ER 25 MS	7.50 - 8.00	21	4	7.30X1.50
SEALING DISC ER 25 8.00 - 8.50	K10152151195127	ER 25 S / ER 25 MS	8.00 - 8.50	21	4	7.80X1.50
SEALING DISC ER 25 8.50 - 9.00	K10152151196127	ER 25 S / ER 25 MS	8.50 - 9.00	21	4	8.30X1.50
SEALING DISC ER 25 9.00 - 9.50	K10152151197127	ER 25 S / ER 25 MS	9.00 - 9.50	21	4	8.80X1.50
SEALING DISC ER 25 9.50 - 10.00	K10152151198127	ER 25 S / ER 25 MS	9.50 - 10.00	21	4	9.30X1.50
SEALING DISC ER 25 10.00 - 10.50	K10152151199127	ER 25 S / ER 25 MS	10.00 - 10.50	21	4	9.80X1.50
SEALING DISC ER 25 10.50 - 11.00	K10152151200127	ER 25 S / ER 25 MS	10.50 - 11.00	21	4	10.30X1.50
SEALING DISC ER 25 11.00 - 11.50	K10152151201127	ER 25 S / ER 25 MS	11.00 - 11.50	21	4	10.80X1.50
SEALING DISC ER 25 11.50 - 12.00	K10152151202127	ER 25 S / ER 25 MS	11.50 - 12.00	21	4	11.30X1.50
SEALING DISC ER 25 12.00 - 12.50	K10152151203127	ER 25 S / ER 25 MS	12.00 - 12.50	21	4	11.80X1.50
SEALING DISC ER 25 12.50 - 13.00	K10152151204127	ER 25 S / ER 25 MS	12.50 - 13.00	21	4	12.30X1.50
SEALING DISC ER 25 13.00 - 13.50	K10152151305127	ER 25 S / ER 25 MS	13.00 - 13.50	21	4	12.80X1.50
SEALING DISC ER 25 13.50 - 14.00	K10152151205127	ER 25 S / ER 25 MS	13.50 - 14.00	21	4	13.30X1.50
SEALING DISC ER 25 14.00 - 14.50	K10152151206127	ER 25 S / ER 25 MS	14.00 - 14.50	21	4	13.80X1.50
SEALING DISC ER 25 14.50 - 15.00	K10152151207127	ER 25 S / ER 25 MS	14.50 - 15.00	21	4	14.30X1.50
SEALING DISC ER 25 15.00 - 15.50	K10152151208127	ER 25 S / ER 25 MS	15.00 - 15.50	21	4	14.80X1.50
SEALING DISC ER 25 15.50 - 16.00	K10152151209127	ER 25 S / ER 25 MS	15.50 - 16.00	21	4	15.30X1.50

Note: All Dimensions are in mm

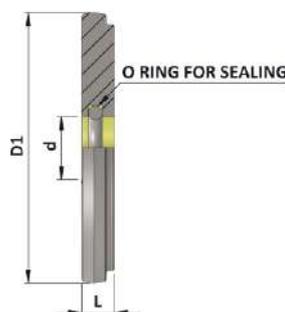
Sealing Disc for Sealed Nut (ER-S)



Sealing Disc ER 32						
Item Name	Item Code	Suitabale Nut	d	D1	L	O' Ring Size
SEALING DISC ER 32 3.00 - 3.50	K10152152185127	ER 32 S	3.00 - 3.50	27	4	2.80X1.50
SEALING DISC ER 32 3.50 - 4.00	K10152152186127	ER 32 S	3.50 - 4.00	27	4	3.30X1.50
SEALING DISC ER 32 4.00 - 4.50	K10152152187127	ER 32 S	4.00 - 4.50	27	4	3.80X1.50
SEALING DISC ER 32 4.50 - 5.00	K10152152188127	ER 32 S	4.50 - 5.00	27	4	4.30X1.50
SEALING DISC ER 32 5.00 - 5.50	K10152152189127	ER 32 S	5.00 - 5.50	27	4	4.80X1.50
SEALING DISC ER 32 5.50 - 6.00	K10152152190127	ER 32 S	5.50 - 6.00	27	4	5.30X1.50
SEALING DISC ER 32 6.00 - 6.50	K10152152191127	ER 32 S	6.00 - 6.50	27	4	5.80X1.50
SEALING DISC ER 32 6.50 - 7.00	K10152152192127	ER 32 S	6.50 - 7.00	27	4	6.30X1.50
SEALING DISC ER 32 7.00 - 7.50	K10152152193127	ER 32 S	7.00 - 7.50	27	4	6.80X1.50
SEALING DISC ER 32 7.50 - 8.00	K10152152194127	ER 32 S	7.50 - 8.00	27	4	7.30X1.50
SEALING DISC ER 32 8.00 - 8.50	K10152152195127	ER 32 S	8.00 - 8.50	27	4	7.80X1.50
SEALING DISC ER 32 8.50 - 9.00	K10152152196127	ER 32 S	8.50 - 9.00	27	4	8.30X1.50
SEALING DISC ER 32 9.00 - 9.50	K10152152197127	ER 32 S	9.00 - 9.50	27	4	8.80X1.50
SEALING DISC ER 32 9.50 - 10.00	K10152152198127	ER 32 S	9.50 - 10.00	27	4	9.30X1.50
SEALING DISC ER 32 10.00 - 10.50	K10152152199127	ER 32 S	10.00 - 10.50	27	4	9.80X1.50
SEALING DISC ER 32 10.50 - 11.00	K10152152200127	ER 32 S	10.50 - 11.00	27	4	10.30X1.50
SEALING DISC ER 32 11.00 - 11.50	K10152152201127	ER 32 S	11.00 - 11.50	27	4	10.80X1.50
SEALING DISC ER 32 11.50 - 12.00	K10152152202127	ER 32 S	11.50 - 12.00	27	4	11.30X1.50
SEALING DISC ER 32 12.00 - 12.50	K10152152203127	ER 32 S	12.00 - 12.50	27	4	11.80X1.50
SEALING DISC ER 32 12.50 - 13.00	K10152152204127	ER 32 S	12.50 - 13.00	27	4	12.30X1.50
SEALING DISC ER 32 13.00 - 13.50	K10152152305127	ER 32 S	13.00 - 13.50	27	4	12.80X1.50
SEALING DISC ER 32 13.50 - 14.00	K10152152205127	ER 32 S	13.50 - 14.00	27	4	13.30X1.50
SEALING DISC ER 32 14.00 - 14.50	K10152152206127	ER 32 S	14.00 - 14.50	27	4	13.80X1.50
SEALING DISC ER 32 14.50 - 15.00	K10152152207127	ER 32 S	14.50 - 15.00	27	4	14.30X1.50
SEALING DISC ER 32 15.00 - 15.50	K10152152208127	ER 32 S	15.00 - 15.50	27	4	14.80X1.50
SEALING DISC ER 32 15.50 - 16.00	K10152152209127	ER 32 S	15.50 - 16.00	27	4	15.30X1.50
SEALING DISC ER 32 16.00 - 16.50	K10152152210127	ER 32 S	16.00 - 16.50	27	4	15.80x1.50
SEALING DISC ER 32 16.50 - 17.00	K10152152211127	ER 32 S	16.50 - 17.00	27	4	16.30x1.50
SEALING DISC ER 32 17.00 - 17.50	K10152152212127	ER 32 S	17.00 - 17.50	27	4	16.80x1.50
SEALING DISC ER 32 17.50 - 18.00	K10152152213127	ER 32 S	17.50 - 18.00	27	4	17.30x1.50
SEALING DISC ER 32 18.00 - 18.50	K10152152214127	ER 32 S	18.00 - 18.50	27	4	17.80x1.50
SEALING DISC ER 32 18.50 - 19.00	K10152152215127	ER 32 S	18.50 - 19.00	27	4	18.30x1.50
SEALING DISC ER 32 19.00 - 19.50	K10152152216127	ER 32 S	19.00 - 19.50	27	4	18.80x1.50
SEALING DISC ER 32 19.50 - 20.00	K10152152217127	ER 32 S	19.50 - 20.00	27	4	19.30x1.50

Note: All Dimensions are in mm

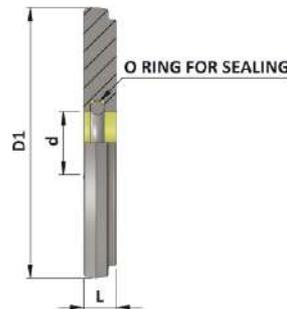
Sealing Disc for Sealed Nut (ER-S)



Sealing Disc ER 40						
Sealing Disc Size	Part Number	Disc Type	Disc Size Range	Disc Thickness	Disc Width	Disc Height
SEALING DISC ER 40 3.00 - 3.50	K10152153185127	ER 40 S	3.00 - 3.50	33	4	2.80X1.50
SEALING DISC ER 40 3.50 - 4.00	K10152153186127	ER 40 S	3.50 - 4.00	33	4	3.30X1.50
SEALING DISC ER 40 4.00 - 4.50	K10152153187127	ER 40 S	4.00 - 4.50	33	4	3.80X1.50
SEALING DISC ER 40 4.50 - 5.00	K10152153188127	ER 40 S	4.50 - 5.00	33	4	4.30X1.50
SEALING DISC ER 40 5.00 - 5.50	K10152153189127	ER 40 S	5.00 - 5.50	33	4	4.80X1.50
SEALING DISC ER 40 5.50 - 6.00	K10152153190127	ER 40 S	5.50 - 6.00	33	4	5.30X1.50
SEALING DISC ER 40 6.00 - 6.50	K10152153191127	ER 40 S	6.00 - 6.50	33	4	5.80X1.50
SEALING DISC ER 40 6.50 - 7.00	K10152153192127	ER 40 S	6.50 - 7.00	33	4	6.30X1.50
SEALING DISC ER 40 7.00 - 7.50	K10152153193127	ER 40 S	7.00 - 7.50	33	4	6.80X1.50
SEALING DISC ER 40 7.50 - 8.00	K10152153194127	ER 40 S	7.50 - 8.00	33	4	7.30X1.50
SEALING DISC ER 40 8.00 - 8.50	K10152153195127	ER 40 S	8.00 - 8.50	33	4	7.80X1.50
SEALING DISC ER 40 8.50 - 9.00	K10152153196127	ER 40 S	8.50 - 9.00	33	4	8.30X1.50
SEALING DISC ER 40 9.00 - 9.50	K10152153197127	ER 40 S	9.00 - 9.50	33	4	8.80X1.50
SEALING DISC ER 40 9.50 - 10.00	K10152153198127	ER 40 S	9.50 - 10.00	33	4	9.30X1.50
SEALING DISC ER 40 10.00 - 10.50	K10152153199127	ER 40 S	10.00 - 10.50	33	4	9.80X1.50
SEALING DISC ER 40 10.50 - 11.00	K10152153200127	ER 40 S	10.50 - 11.00	33	4	10.30X1.50
SEALING DISC ER 40 11.00 - 11.50	K10152153201127	ER 40 S	11.00 - 11.50	33	4	10.80X1.50
SEALING DISC ER 40 11.50 - 12.00	K10152153202127	ER 40 S	11.50 - 12.00	33	4	11.30X1.50
SEALING DISC ER 40 12.00 - 12.50	K10152153203127	ER 40 S	12.00 - 12.50	33	4	11.80X1.50
SEALING DISC ER 40 12.50 - 13.00	K10152153204127	ER 40 S	12.50 - 13.00	33	4	12.30X1.50
SEALING DISC ER 40 13.00 - 13.50	K10152153305127	ER 40 S	13.00 - 13.50	33	4	12.80X1.50
SEALING DISC ER 40 13.50 - 14.00	K10152153205127	ER 40 S	13.50 - 14.00	33	4	13.30X1.50
SEALING DISC ER 40 14.00 - 14.50	K10152153206127	ER 40 S	14.00 - 14.50	33	4	13.80X1.50
SEALING DISC ER 40 14.50 - 15.00	K10152153207127	ER 40 S	14.50 - 15.00	33	4	14.30X1.50
SEALING DISC ER 40 15.00 - 15.50	K10152153208127	ER 40 S	15.00 - 15.50	33	4	14.80X1.50
SEALING DISC ER 40 15.50 - 16.00	K10152153209127	ER 40 S	15.50 - 16.00	33	4	15.30X1.50
SEALING DISC ER 40 16.00 - 16.50	K10152153210127	ER 40 S	16.00 - 16.50	33	4	15.80x1.50
SEALING DISC ER 40 16.50 - 17.00	K10152153211127	ER 40 S	16.50 - 17.00	33	4	16.30x1.50
SEALING DISC ER 40 17.00 - 17.50	K10152153212127	ER 40 S	17.00 - 17.50	33	4	16.80x1.50
SEALING DISC ER 40 17.50 - 18.00	K10152153213127	ER 40 S	17.50 - 18.00	33	4	17.30x1.50
SEALING DISC ER 40 18.00 - 18.50	K10152153214127	ER 40 S	18.00 - 18.50	33	4	17.80x1.50
SEALING DISC ER 40 18.50 - 19.00	K10152153215127	ER 40 S	18.50 - 19.00	33	4	18.30x1.50
SEALING DISC ER 40 19.00 - 19.50	K10152153216127	ER 40 S	19.00 - 19.50	33	4	18.80x1.50
SEALING DISC ER 40 19.50 - 20.00	K10152153217127	ER 40 S	19.50 - 20.00	33	4	19.30x1.50

Note: All Dimensions are in mm

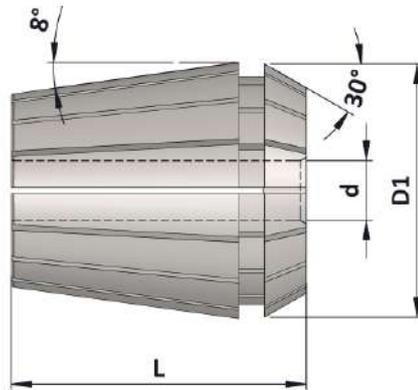
Sealing Disc for Sealed Nut (ER-S)



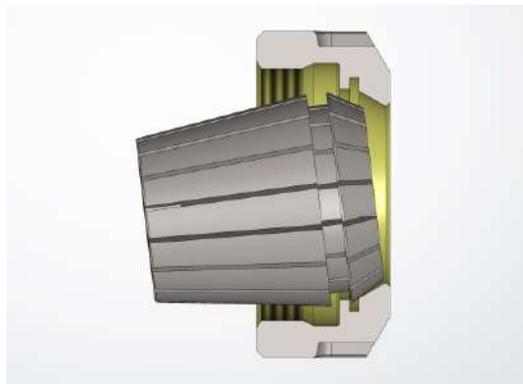
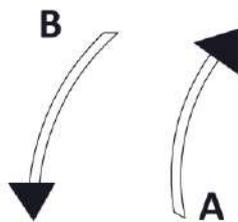
Sealing Disc ER 40						
Item Name	Item Code	Suitabale Nut	d	D1	L	O' Ring Size
SEALING DISC ER 40 20.00 - 20.50	K10152153218127	ER 40 S	20.00 - 20.50	33	4	19.80x1.50
SEALING DISC ER 40 20.50 - 21.00	K10152153219127	ER 40 S	20.50 - 21.00	33	4	20.30x1.50
SEALING DISC ER 40 21.00 - 21.50	K10152153220127	ER 40 S	21.00 - 21.50	33	4	20.80x1.50
SEALING DISC ER 40 21.50 - 22.00	K10152153221127	ER 40 S	21.50 - 22.00	33	4	21.30x1.50
SEALING DISC ER 40 22.00 - 22.50	K10152153222127	ER 40 S	22.00 - 22.50	33	4	21.80x1.50
SEALING DISC ER 40 22.50 - 23.00	K10152153223127	ER 40 S	22.50 - 23.00	33	4	22.30x1.50
SEALING DISC ER 40 23.00 - 23.50	K10152153224127	ER 40 S	23.00 - 23.50	33	4	22.80x1.50
SEALING DISC ER 40 23.50 - 24.00	K10152153225127	ER 40 S	23.50 - 24.00	33	4	23.30x1.50
SEALING DISC ER 40 24.00 - 24.50	K10152153226127	ER 40 S	24.00 - 24.50	33	4	23.80x1.50
SEALING DISC ER 40 24.50 - 25.00	K10152153227127	ER 40 S	24.50 - 25.00	33	4	24.30x1.50
SEALING DISC ER 40 25.00 - 25.50	K10152153228127	ER 40 S	25.00 - 25.50	33	4	24.80x1.50
SEALING DISC ER 40 25.50 - 26.00	K10152153229127	ER 40 S	25.50 - 26.00	33	4	25.30x1.50

Sealing Disc ER 50						
Item Name	Item Code	Suitabale Nut	d	D1	L	O' Ring Size
SEALING DISC ER 50 6.00 - 6.50	K10152154191127	ER 50 S	6.00 - 6.50	43.5	4.5	5.80x1.50
SEALING DISC ER 50 8.00 - 8.50	K10152154195127	ER 50 S	8.00 - 8.50	43.5	4.5	7.80x1.50
SEALING DISC ER 50 10.00 - 10.50	K10152154199127	ER 50 S	10.00 - 10.50	43.5	4.5	9.80x1.50
SEALING DISC ER 50 12.00 - 12.50	K10152154203127	ER 50 S	12.00 - 12.50	43.5	4.5	11.80x1.50
SEALING DISC ER 50 14.00 - 14.50	K10152154206127	ER 50 S	14.00 - 14.50	43.5	4.5	13.80x1.50
SEALING DISC ER 50 16.00 - 16.50	K10152154210127	ER 50 S	16.00 - 16.50	43.5	4.5	15.80x1.50
SEALING DISC ER 50 18.00 - 18.50	K10152154214127	ER 50 S	18.00 - 18.50	43.5	4.5	17.80x1.50
SEALING DISC ER 50 22.00 - 22.50	K10152154222127	ER 50 S	22.00 - 22.50	43.5	4.5	21.80x1.50
SEALING DISC ER 50 24.00 - 24.50	K10152154226127	ER 50 S	24.00 - 24.50	43.5	4.5	23.80x1.50
SEALING DISC ER 50 25.00 - 25.50	K10152154228127	ER 50 S	25.00 - 25.50	43.5	4.5	24.80x1.50
SEALING DISC ER 50 26.00 - 26.50	K10152154503127	ER 50 S	26.00 - 26.50	43.5	4.5	25.80x1.50
SEALING DISC ER 50 28.00 - 28.50	K10152154521127	ER 50 S	28.00 - 28.50	43.5	4.5	27.80x1.50
SEALING DISC ER 50 30.00 - 30.50	K10152154497127	ER 50 S	30.00 - 30.50	43.5	4.5	29.80x1.50
SEALING DISC ER 50 30.50 - 31.00	K10152154495127	ER 50 S	30.50 - 31.00	43.5	4.5	30.30x1.50
SEALING DISC ER 50 31.00 - 31.50	K10152154502127	ER 50 S	31.00 - 31.50	43.5	4.5	30.80x1.50
SEALING DISC ER 50 31.50 - 32.00	K10152154496127	ER 50 S	31.50 - 32.00	43.5	4.5	31.30x1.50
SEALING DISC ER 50 32.00 - 32.50	K10152154520127	ER 50 S	32.00 - 32.50	43.5	4.5	31.80x1.50

Note: All Dimensions are in mm



Collet ER (DIN 6499) Class -1					
Item Name	Clamping Range(d)	Collet Collapse range	D1	L	Run Out
Coller ER 11 Class-1	1 - 7	0.5 mm.	11.5	18	0.010 mm.
Coller ER 16 Class-1	1 - 10	1.0 mm.	17	27.5	0.010 mm.
Coller ER 20 Class-1	1 - 13	1.0 mm.	21	31.50	0.010 mm.
Coller ER 25 Class-1	1 - 16	1.0 mm.	26	34	0.010 mm.
Coller ER 32 Class-1	2 - 20	1.0 mm.	33	40	0.010 mm.
Coller ER 40 Class-1	3 - 26	1.0 mm.	41	46	0.010 mm.
Coller ER 50 Class-1	10 - 34	2.0 mm.	52	60	0.010 mm.



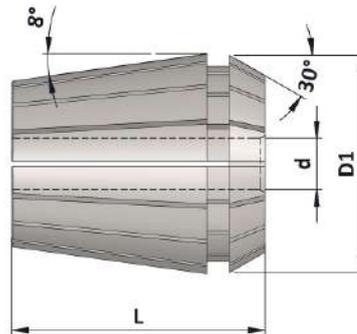
ER Collet & Nut Operating Method:

- The Collet must always be inserted into the nut before setting the tool into collet.
- The Collet is fitted inside the nut by applying slight pressure A.
- It is removed by applying pressure B to the collet.
- Never tighten the chuck without a correct size tool shank being present in the collet.



Collet Set ER (DIN 6499)			
Item Name	Item Code	Clamping Range(d)	PCS/SET
COLLET SET ER 11 (1 - 7 MM) 7 PIECES CLASS I	K10264148493207	1 - 7	7
COLLET SET ER 16 (1-10 MM) 10 PCS WITH BOX CLASS I	K10264149484207	1 - 10	10
COLLET SET ER 20 (2-13 MM)12 PCS WITH BOX CLASS I	K10264150535207	2 - 13	12
COLLET SET ER 25 (2- 16 MM) 15PCS WITH BOX CLASS I	K10264151514207	2 - 16	15
COLLET SET ER 32 (3-20 MM) 18 PCS WITH BOX CLASS I	K10264152485207	3 - 20	18
COLLET SET ER 40 (3-26 MM) 24 PCS WITH BOX CLASS I	K10264153494207	3 - 26	24

Note: All Dimensions are in mm



Collet ER 11 (Class-1)

Item Name	Item Code	Clamping Range(d)	D1	L
COLLET ER11 DIA 1.0 - 0.50 - CLASS I	K10154329301207	1.0 - 0.50	11.5	18
COLLET ER11 DIA 2.0-1.5 - CLASS I	K10154331301207	2.0 - 1.5	11.5	18
COLLET ER11 DIA 3.0-2.5 - CLASS I	K10154333301207	3.0 - 2.5	11.5	18
COLLET ER11 DIA 4.0-3.5 - CLASS I	K10154335301207	4.0 - 3.5	11.5	18
COLLET ER11 DIA 5.0-4.5 - CLASS I	K10154337301207	5.0 - 4.5	11.5	18
COLLET ER11 DIA 6.0-5.5 - CLASS I	K10154339301207	6.0 - 5.5	11.5	18
COLLET ER11 DIA 7.0-6.5 - CLASS I	K10154341301207	7.0 - 6.5	11.5	18

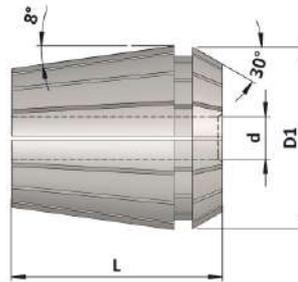
Collet ER 16 (Class-1)

COLLET ER16 DIA 1.0 - 0.50 - CLASS I	K10155291301207	1.0 - 0.50	17	27.5
COLLET ER16 DIA 2-1 - CLASS I	K10155292301207	2.0 - 1.0	17	27.5
COLLET ER16 DIA 3-2 - CLASS I	K10155293301207	3.0 - 2.0	17	27.5
COLLET ER16 DIA 4-3 - CLASS I	K10155294301207	4.0 - 3.0	17	27.5
COLLET ER16 DIA 5-4 - CLASS I	K10155295301207	5.0 - 4.0	17	27.5
COLLET ER16 DIA 6-5 - CLASS I	K10155296301207	6.0 - 5.0	17	27.5
COLLET ER16 DIA 7-6 - CLASS I	K10155297301207	7.0 - 6.0	17	27.5
COLLET ER16 DIA 8-7 - CLASS I	K10155298301207	8.0 - 7.0	17	27.5
COLLET ER16 DIA 9-8 - CLASS I	K10155299301207	9.0 - 8.0	17	27.5
COLLET ER16 DIA 10-9 - CLASS I	K10155300301207	10.0 - 9.0	17	27.5

Collet ER 20 (Class-1)

COLLET ER20 DIA 1.0 - 0.50 - CLASS I	K10156329301207	1.0 - 0.50	21	31.5
COLLET ER20 DIA 2-1 - CLASS I	K10156292301207	2 - 1	21	31.5
COLLET ER20 DIA 3-2 - CLASS I	K10156293301207	3 - 2	21	31.5
COLLET ER20 DIA 4-3 - CLASS I	K10156294301207	4 - 3	21	31.5
COLLET ER20 DIA 5-4 - CLASS I	K10156295301207	5 - 4	21	31.5
COLLET ER20 DIA 6-5 - CLASS I	K10156296301207	6 - 5	21	31.5
COLLET ER20 DIA 7-6 - CLASS I	K10156297301207	7 - 6	21	31.5
COLLET ER20 DIA 8-7 - CLASS I	K10156298301207	8 - 7	21	31.5
COLLET ER20 DIA 9-8 - CLASS I	K10156299301207	9 - 8	21	31.5
COLLET ER20 DIA 10-9 - CLASS I	K10156300301207	10 - 9	21	31.5
COLLET ER20 DIA 11-10 - CLASS I	K10156301301207	11 - 10	21	31.5
COLLET ER20 DIA 12-11 - CLASS I	K10156302301207	12 - 11	21	31.5
COLLET ER20 DIA 13-12 - CLASS I	K10156303301207	13 - 12	21	31.5

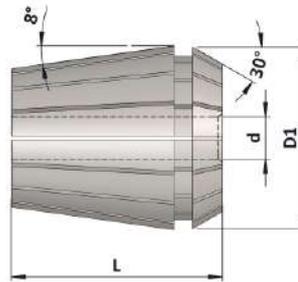
Note: All Dimensions are in mm



Collet ER 25 (Class-1)				
Item Name	Item Code	Clamping Range(d)	D1	L
COLLET ER25 DIA 2-1 - CLASS I	K10157292301207	2 - 1	26	34
COLLET ER25 DIA 3-2 - CLASS I	K10157293301207	3 - 2	26	34
COLLET ER25 DIA 4-3 - CLASS I	K10157294301207	4 - 3	26	34
COLLET ER25 DIA 5-4 - CLASS I	K10157295301207	5 - 4	26	34
COLLET ER25 DIA 6-5 - CLASS I	K10157296301207	6 - 5	26	34
COLLET ER25 DIA 7-6 - CLASS I	K10157297301207	7 - 6	26	34
COLLET ER25 DIA 8-7 - CLASS I	K10157298301207	8 - 7	26	34
COLLET ER25 DIA 9-8 - CLASS I	K10157299301207	9 - 8	26	34
COLLET ER25 DIA 10-9 - CLASS I	K10157300301207	10 - 9	26	34
COLLET ER25 DIA 11-10 - CLASS I	K10157301301207	11 - 10	26	34
COLLET ER25 DIA 12-11 - CLASS I	K10157302301207	12 - 11	26	34
COLLET ER25 DIA 13-12 - CLASS I	K10157303301207	13 - 12	26	34
COLLET ER25 DIA 14-13 - CLASS I	K10157304301207	14 - 13	26	34
COLLET ER25 DIA 15-14 - CLASS I	K10157305301207	15 - 14	26	34
COLLET ER25 DIA 16-15 - CLASS I	K10157306301207	16 - 15	26	34

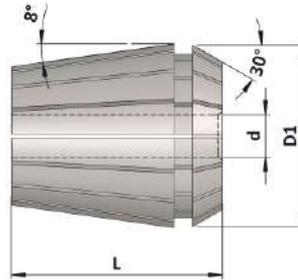
Collet ER 32 (Class-1)				
Item Name	Item Code	Clamping Range(d)	D1	L
COLLET ER32 DIA 2-1 - CLASS I	K10158292301207	2 - 1	33	40
COLLET ER32 DIA 3-2 - CLASS I	K10158293301207	3 - 2	33	40
COLLET ER32 DIA 4-3 - CLASS I	K10158294301207	4 - 3	33	40
COLLET ER32 DIA 5-4 - CLASS I	K10158295301207	5 - 4	33	40
COLLET ER32 DIA 6-5 - CLASS I	K10158296301207	6 - 5	33	40
COLLET ER32 DIA 7-6 - CLASS I	K10158297301207	7 - 6	33	40
COLLET ER32 DIA 8-7 - CLASS I	K10158298301207	8 - 7	33	40
COLLET ER32 DIA 9-8 - CLASS I	K10158299301207	9 - 8	33	40
COLLET ER32 DIA 10-9 - CLASS I	K10158300301207	10 - 9	33	40
COLLET ER32 DIA 11-10 - CLASS I	K10158301301207	11 - 10	33	40
COLLET ER32 DIA 12-11 - CLASS I	K10158302301207	12 - 11	33	40
COLLET ER32 DIA 13-12 - CLASS I	K10158303301207	13 - 12	33	40
COLLET ER32 DIA 14-13 - CLASS I	K10158304301207	14 - 13	33	40
COLLET ER32 DIA 15-14 - CLASS I	K10158305301207	15 - 14	33	40
COLLET ER32 DIA 16-15 - CLASS I	K10158306301207	16 - 15	33	40
COLLET ER32 DIA 17-16 - CLASS I	K10158307301207	17 - 16	33	40
COLLET ER32 DIA 18-17 - CLASS I	K10158308301207	18 - 17	33	40
COLLET ER32 DIA 19-18 - CLASS I	K10158309301207	19 - 18	33	40
COLLET ER32 DIA 20-19 - CLASS I	K10158310301207	20 - 19	33	40

Note: All Dimensions are in mm



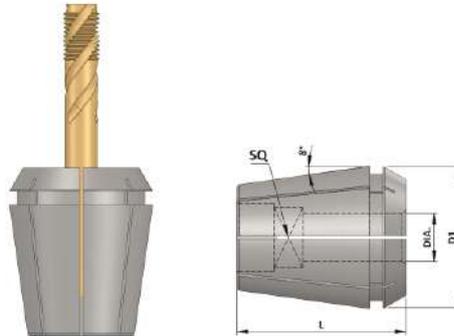
Collet ER 40 (Class-1)				
Item Name	Item Code	Clamping Range(d)	D1	L
COLLET ER40 DIA 3-2 - CLASS I	K10159293301207	3 - 2	41	46
COLLET ER40 DIA 4-3 - CLASS I	K10159294301207	4 - 3	41	46
COLLET ER40 DIA 5-4 - CLASS I	K10159295301207	5 - 4	41	46
COLLET ER40 DIA 6-5 - CLASS I	K10159296301207	6 - 5	41	46
COLLET ER40 DIA 7-6 - CLASS I	K10159297301207	7 - 6	41	46
COLLET ER40 DIA 8-7 - CLASS I	K10159298301207	8 - 7	41	46
COLLET ER40 DIA 9-8 - CLASS I	K10159299301207	9 - 8	41	46
COLLET ER40 DIA 10-9 - CLASS I	K10159300301207	10 - 9	41	46
COLLET ER40 DIA 11-10 - CLASS I	K10159301301207	11 - 10	41	46
COLLET ER40 DIA 12-11 - CLASS I	K10159302301207	12 - 11	41	46
COLLET ER40 DIA 13-12 - CLASS I	K10159303301207	13 - 12	41	46
COLLET ER40 DIA 14-13 - CLASS I	K10159304301207	14 - 13	41	46
COLLET ER40 DIA 15-14 - CLASS I	K10159305301207	15 - 14	41	46
COLLET ER40 DIA 16-15 - CLASS I	K10159306301207	16 - 15	41	46
COLLET ER40 DIA 17-16 - CLASS I	K10159307301207	17 - 16	41	46
COLLET ER40 DIA 18-17 - CLASS I	K10159308301207	18 - 17	41	46
COLLET ER40 DIA 19-18 - CLASS I	K10159309301207	19 - 18	41	46
COLLET ER40 DIA 20-19 - CLASS I	K10159310301207	20 - 19	41	46
COLLET ER40 DIA 21-20 - CLASS I	K10159311301207	21 - 20	41	46
COLLET ER40 DIA 22-21 - CLASS I	K10159312301207	22 - 21	41	46
COLLET ER40 DIA 23-22 - CLASS I	K10159313301207	23 - 22	41	46
COLLET ER40 DIA 24-23 - CLASS I	K10159314301207	24 - 23	41	46
COLLET ER40 DIA 25-24 - CLASS I	K10159315301207	25 - 24	41	46
COLLET ER40 DIA 26-25 - CLASS I	K10159316301207	26 - 25	41	46

Note: All Dimensions are in mm



Collet ER 50 (Class-1)				
Item Name	Item Code	Clamping Range(d)	D1	L
COLLET ER50 DIA 4-3 - CLASS I	K10196495301207	4 - 3	52	60
COLLET ER50 DIA 6-5 - CLASS I	K10196494301207	6 - 5	52	60
COLLET ER50 DIA 10-9 - CLASS I	K10196493301207	10 - 9	52	60
COLLET ER50 DIA 12-10 - CLASS I	K10196317301207	12 - 10	52	60
COLLET ER50 DIA 14-12 - CLASS I	K10196318301207	14 - 12	52	60
COLLET ER50 DIA 16-14 - CLASS I	K10196319301207	16 - 14	52	60
COLLET ER50 DIA 18-16 - CLASS I	K10196320301207	18 - 16	52	60
COLLET ER50 DIA 20-18 - CLASS I	K10196321301207	20 - 18	52	60
COLLET ER50 DIA 22-20 - CLASS I	K10196322301207	22 - 20	52	60
COLLET ER50 DIA 24-22 - CLASS I	K10196323301207	24 - 22	52	60
COLLET ER50 DIA 26-24 - CLASS I	K10196324301207	26 - 24	52	60
COLLET ER50 DIA 28-26 - CLASS I	K10196325301207	28 - 26	52	60
COLLET ER50 DIA 30-28 - CLASS I	K10196326301207	30 - 28	52	60
COLLET ER50 DIA 32-30 - CLASS I	K10196327301207	32 - 30	52	60
COLLET ER50 DIA 34-32 - CLASS I	K10196328301207	34 - 32	52	60

Note: All Dimensions are in mm



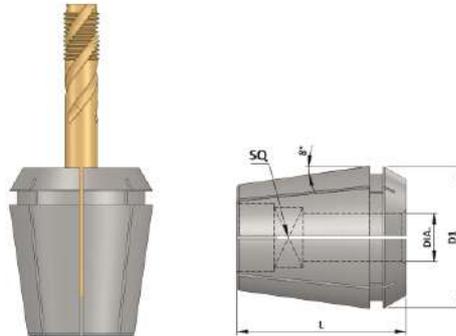
Tap Collet ER 16 G

Item Name	Item Code	Dia	Square	D1	L
TAP COLLET ER 16G 3.5 X 2.7	K10255479449127	3.50	2.70	17	27.5
TAP COLLET ER 16G 4.0 X 3.0	K10255479450127	4.00	3.00	17	27.5
TAP COLLET ER 16G 4.0 X 3.15	K10255479565127	4.00	3.15	17	27.5
TAP COLLET ER 16G 4.5 X 3.4	K10255479451127	4.50	3.40	17	27.5
TAP COLLET ER 16G 5.0 X 4.0	K10255479452127	5.00	4.00	17	27.5
TAP COLLET ER 16G 5.5 X 4.3	K10255479557127	5.50	4.30	17	27.5
TAP COLLET ER 16G 6.0 X 4.9	K10255479453127	6.00	4.90	17	27.5
TAP COLLET ER 16G 6.3 X 5.0	K10255479454127	6.30	5.00	17	27.5
TAP COLLET ER 16G 7.0 X 5.5	K10255479455127	7.00	5.50	17	27.5
TAP COLLET ER 16G 7.1 X 5.6	K10255479570127	7.10	5.60	17	27.5
TAP COLLET ER 16G 8.0 X 6.2	K10255479456127	8.00	6.20	17	27.5
TAP COLLET ER 16G 8.0 X 6.3	K10255479456225	8.00	6.30	17	27.5
TAP COLLET ER 16G 9.0 X 7.0	K10255479457127	9.00	7.00	17	27.5
TAP COLLET ER 16G 9.0 X 7.1	K10255479474127	9.00	7.10	17	27.5
TAP COLLET ER 16G 10.0 X 8.0	K10255479458127	10.00	8.00	17	27.5

Tap Collet ER 20 G

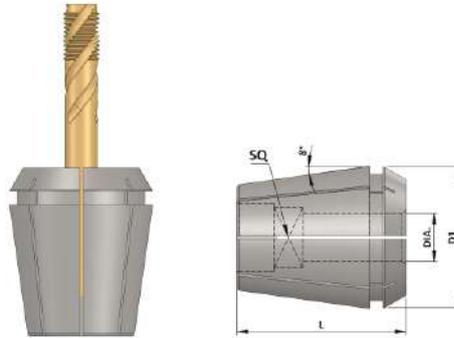
TAP COLLET ER 20G 3.5 X 2.7	K10255480449127	3.50	2.70	21	31.5
TAP COLLET ER 20G 4.0 X 3.0	K10255480450127	4.00	3.00	21	31.5
TAP COLLET ER 20G 4.0 X 3.15	K10255480565127	4.00	3.15	21	31.5
TAP COLLET ER 20G 4.5 X 3.4	K10255480451127	4.50	3.40	21	31.5
TAP COLLET ER 20G 5.0 X 4.0	K10255480452127	5.00	4.00	21	31.5
TAP COLLET ER 20G 5.5 X 4.3	K10255480557127	5.50	4.30	21	31.5
TAP COLLET ER 20G 6.0 X 4.9	K10255480453127	6.00	4.90	21	31.5
TAP COLLET ER 20G 6.3 X 5.0	K10255480454127	6.30	5.00	21	31.5
TAP COLLET ER 20G 7.0 X 5.5	K10255480455127	7.00	5.50	21	31.5
TAP COLLET ER 20G 7.1 X 5.6	K10255480570127	7.10	5.60	21	31.5
TAP COLLET ER 20G 8.0 X 6.2	K10255480456127	8.00	6.20	21	31.5
TAP COLLET ER 20G 8.0 X 6.3	K10255480456225	8.00	6.30	21	31.5
TAP COLLET ER 20G 9.0 X 7.0	K10255480457127	9.00	7.00	21	31.5
TAP COLLET ER 20G 9.0 X 7.1	K10255480474127	9.00	7.10	21	31.5
TAP COLLET ER 20G 10.0 X 8.0	K10255480458127	10.00	8.00	21	31.5
TAP COLLET ER 20G 11.0 X 9.0	K10255480469127	11.00	9.00	21	31.5
TAP COLLET ER 20G 11.2 X 9.0	K10255480459127	11.20	9.00	21	31.5
TAP COLLET ER 20G 12.0 X 9.0	K10255480460127	12.00	9.00	21	31.5

Note: All Dimensions are in mm

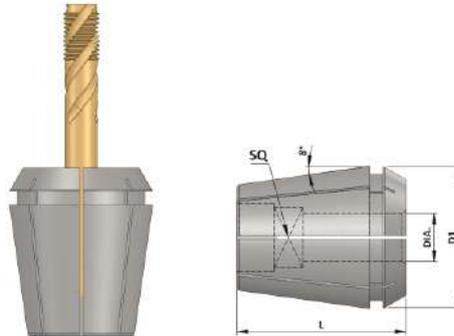


Tap Collet ER 25 G						
Item Name	Item Code	Dia	Square	D1	L	
TAP COLLET ER 25G 3.5 X 2.7	K10255151449127	3.50	2.70	26	34	
TAP COLLET ER 25G 4.0 X 3.0	K10255481450127	4.00	3.00	26	34	
TAP COLLET ER 25G 4.0 X 3.15	K10255481565127	4.00	3.15	26	34	
TAP COLLET ER 25G 4.5 X 3.4	K10255481451127	4.50	3.40	26	34	
TAP COLLET ER 25G 5.0 X 4.0	K10255481452127	5.00	4.00	26	34	
TAP COLLET ER 25G 5.5 X 4.3	K10255481557127	5.50	4.30	26	34	
TAP COLLET ER 25G 6.0 X 4.9	K10255481453127	6.00	4.90	26	34	
TAP COLLET ER 25G 6.3 X 5.0	K10255481454127	6.30	5.00	26	34	
TAP COLLET ER 25G 7.0 X 5.5	K10255481455127	7.00	5.50	26	34	
TAP COLLET ER 25G 7.1 X 5.6	K10255481570127	7.10	5.60	26	34	
TAP COLLET ER 25G 8.0 X 6.2	K10255481456127	8.00	6.20	26	34	
TAP COLLET ER 25G 8.0 X 6.3	K10255481195127	8.00	6.30	26	34	
TAP COLLET ER 25G 9.0 X 7.0	K10255481457127	9.00	7.00	26	34	
TAP COLLET ER 25G 9.0 X 7.1	K10255481474127	9.00	7.10	26	34	
TAP COLLET ER 25G 10.0 X 8.0	K10255481458127	10.00	8.00	26	34	
TAP COLLET ER 25G 11.0 X 9.0	K10255481469127	11.00	9.00	26	34	
TAP COLLET ER 25G 11.2 X 9.0	K10255481459127	11.20	9.00	26	34	
TAP COLLET ER 25G 12.0 X 9.0	K10255481460127	12.00	9.00	26	34	
TAP COLLET ER 25G 12.5 X 10.0	K10255481461127	12.50	10.00	26	34	
TAP COLLET ER 25G 14.0 X 11.0	K10255481462127	14.00	11.00	26	34	
TAP COLLET ER 25G 14.0 X 11.2	K10255481463127	14.00	11.20	26	34	
TAP COLLET ER 25G 16.0 X 12.0	K10255481470127	16.00	12.00	26	34	

Note: All Dimensions are in mm

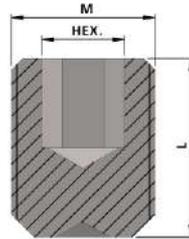


Tap Collet ER 32 G					
Item Name	Item Code	Dia	Square	D1	L
TAP COLLET ER 32G 3.5 X 2.7	K10255482449127	3.50	2.70	33	40
TAP COLLET ER 32G 4.0 X 3.0	K10102173256127	4.00	3.00	33	40
TAP COLLET ER 32G 4.0 X 3.15	K10255482565127	4.00	3.15	33	40
TAP COLLET ER 32G 4.5 X 3.4	K10255482451127	4.50	3.40	33	40
TAP COLLET ER 32G 5.0 X 4.0	K10255482452127	5.00	4.00	33	40
TAP COLLET ER 32G 5.5 X 4.3	K10255482557127	5.50	4.30	33	40
TAP COLLET ER 32G 6.0 X 4.9	K10255482453127	6.00	4.90	33	40
TAP COLLET ER 32G 6.3 X 5.0	K10255482454127	6.30	5.00	33	40
TAP COLLET ER 32G 7.0 X 5.5	K10255482455127	7.00	5.50	33	40
TAP COLLET ER 32G 7.1 X 5.6	K10255482570127	7.10	5.60	33	40
TAP COLLET ER 32G 8.0 X 6.2	K10255482456127	8.00	6.20	33	40
TAP COLLET ER 32G 8.0 X 6.3	K10255482564127	8.00	6.30	33	40
TAP COLLET ER 32G 9.0 X 7.0	K10255482457127	9.00	7.00	33	40
TAP COLLET ER 32G 9.0 X 7.1	K10255482474127	9.00	7.10	33	40
TAP COLLET ER 32G 10.0 X 8.0	K10255482458127	10.00	8.00	33	40
TAP COLLET ER 32G 11.0 X 9.0	K10255482469127	11.00	9.00	33	40
TAP COLLET ER 32G 11.2 X 9.0	K10255482459127	11.20	9.00	33	40
TAP COLLET ER 32G 12.0 X 9.0	K10255482460127	12.00	9.00	33	40
TAP COLLET ER 32G 12.5 X 10.0	K10255482461127	12.50	10.00	33	40
TAP COLLET ER 32G 14.0 X 11.0	K10255482462127	14.00	11.00	33	40
TAP COLLET ER 32G 14.0 X 11.2	K10255482463127	14.00	11.20	33	40
TAP COLLET ER 32G 16.0 X 12.0	K10255482470127	16.00	12.00	33	40
TAP COLLET ER 32G 16.0 X 12.5	K10255482464127	16.00	12.50	33	40
TAP COLLET ER 32G 18.0 X 14.0	K10255152558127	18.00	14.00	33	40
TAP COLLET ER 32G 18.0 X 14.5	K10255482465127	18.00	14.50	33	40
TAP COLLET ER 32G 20.0 X 16.0	K10255482466127	20.00	16.00	33	40

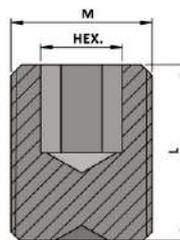


Tap Collet ER 40 G					
Item Name	Item Code	Dia	Square	D1	L
TAP COLLET ER 40G 3.5 X 2.7	K10255153449127	3.50	2.70	41	46
TAP COLLET ER 40G 4.0 X 3.0	K10255483450127	4.00	3.00	41	46
TAP COLLET ER 40G 4.5 X 3.4	K10255153451127	4.50	3.40	41	46
TAP COLLET ER 40G 6.0 X 4.9	K10255483453127	6.00	4.90	41	46
TAP COLLET ER 40G 6.3 X 5.0	K10255483454127	6.30	5.00	41	46
TAP COLLET ER 40G 7.0 X 5.5	K10255483455127	7.00	5.50	41	46
TAP COLLET ER 40G 7.1 X 5.6	K10255483570127	7.10	5.60	41	46
TAP COLLET ER 40G 8.0 X 6.2	K10255483456127	8.00	6.20	41	46
TAP COLLET ER 40G 8.0 X 6.3	K10255483456207	8.00	6.30	41	46
TAP COLLET ER 40G 9.0 X 7.0	K10255483457127	9.00	7.00	41	46
TAP COLLET ER 40G 9.0 X 7.1	K10255483474127	9.00	7.10	41	46
TAP COLLET ER 40G 10.0 X 8.0	K10255483458127	10.00	8.00	41	46
TAP COLLET ER 40G 11.0 X 9.0	K10255483469127	11.00	9.00	41	46
TAP COLLET ER 40G 11.2 X 9.0	K10255483459127	11.20	9.00	41	46
TAP COLLET ER 40G 12.0 X 9.0	K10255483460127	12.00	9.00	41	46
TAP COLLET ER 40G 12.5 X 10.0	K10255483461127	12.50	10.00	41	46
TAP COLLET ER 40G 14.0 X 11.0	K10255483462127	14.00	11.00	41	46
TAP COLLET ER 40G 14.0 X 11.2	K10255483463127	14.00	11.20	41	46
TAP COLLET ER 40G 16.0 X 12.0	K10255483470127	16.00	12.00	41	46
TAP COLLET ER 40G 16.0 X 12.5	K10255483464127	16.00	12.50	41	46
TAP COLLET ER 40G 18.0 X 14.0	K10255153558127	18.00	14.00	41	46
TAP COLLET ER 40G 18.0 X 14.5	K10255483465127	18.00	14.50	41	46
TAP COLLET ER 40G 20.0 X 16.0	K10255483466127	20.00	16.00	41	46
TAP COLLET ER 40G 22.0 X 18.0	K10255483467127	22.00	18.00	41	46
TAP COLLET ER 40G 22.4 X 18.0	K10255483575127	22.40	18.00	41	46
TAP COLLET ER 40G 25.0 X 20.0	K10255483468127	25.00	20.00	41	46

Note: All Dimensions are in mm

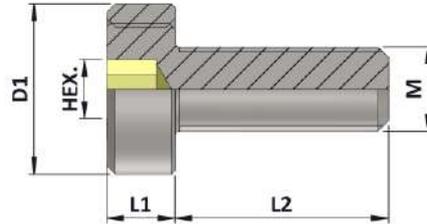


Locking Screw (WE) (WN)					
Item Name	Item Code	M	L	Hex.(mm)	Suitable Holder
LOCKING SCREW WN M6	K10201379301127	6 x 1	9	3	WE6
LOCKING SCREW WN M8	K10201380301127	8 x 1.25	9	4	WE8
LOCKING SCREW WN M10	K10201381301127	10 x 1.5	12	5	WE10
LOCKING SCREW WN M12	K10201382301127	12 x 1.75	14	6	WE12 & WE14
LOCKING SCREW WN M14	K10201383301127	14 x 2	16	6	WE16 & WE18
LOCKING SCREW WN M16	K10201384326127	16 x 2	16	8	WE20
LOCKING SCREW WN M18 X 2	K10201385327127	18 x 2	20	10	WE25
LOCKING SCREW WN M20 X 2	K10201386327127	20 x 2	20	10	WE32 & WE40
LOCKING SCREW WN M24 X 2	K10201387327127	24 x 2	25	12	WE50



SLA Locking Screw					
Item Name	Item Code	M	L	Hex.(mm)	Suitable Holder
GRUB SCREW M10	K10346664623229	10 x 1.5	10	5 mm	SLA20 TO SLA40
LOCKING SCREW WN M14	K10201383301127	14 x 2	16	6 mm	SLA16
GRUB SCREW 6 x 1/4" - 32 UNC	K10189664623229	06 - 32UNC	1/4"	1/16"	SLA1/8"
GRUB SCREW 8 x 1/4" - 32 UNC	K10189666623229	08 - 32UNC	1/4"	5/64"	SLA3/16"
GRUB SCREW 1/4" x 1/4" - 28 UNF	K10347666623229	1/4" - 28UNF	1/4"	1/8"	SLA1/4"
GRUB SCREW 5/16" x 1/4" - 24 UNF	K10347198623229	5/16" - 24UNF	1/4"	5/32"	SLA5/16"
GRUB SCREW 3/8" x 5/16" - 24 UNF	K10345198620229	3/8" - 24UNF	5/16"	3/16"	SLA3/8"
GRUB SCREW 3/8" x 3/8" - 24 UNF	K10346198620229	3/8" - 24UNF	3/8"	3/16"	SLA7/16"
GRUB SCREW 7/16" x 3/8" - 20 UNF	K10189198620229	7/16" - 20UNF	3/8"	7/32"	SLA1/2"
GRUB SCREW 1/2" x 7/16" - 20 UNF	K10206198620229	1/2" - 20UNF	7/16"	1/4"	SLA5/8"
GRUB SCREW 5/8" x 1/2" - 18 UNF	K10207198620229	5/8" - 18UNF	1/2"	5/16"	SLA7/8", SLA3/4"
GRUB SCREW 3/4" x 1/2" - 16 UNF	K10133199475224	3/4" - 16UNF	1/2"	3/8"	SLA1", SLA1 1/4", SLA 1 1/2"

Note: All Dimensions are in mm



FMH / CSMA Clamping Screw

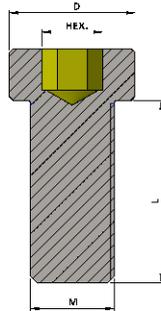
Item Name	Item Code	D1	L1	L2	M	HEX.
CLAMPING SCREW FOR CSMA 16	K10199213301127	20	7	25	M8	5
CLAMPING SCREW FOR CSMA 22	K10199219301127	28	7	25	M10	6
CLAMPING SCREW FOR CSMA 27	K10199224301127	35	9	35	M12	8
CLAMPING SCREW FOR CSMA 32	K10199229301127	42	9	35	M16	10
CLAMPING SCREW FOR CSMA 40	K10199378301127	52	11	40	M20	12



CSMA KEY

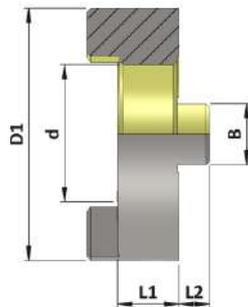
Item Name	Item Code	L	W	H
KEY FOR CSMA 16	K10206604917127	20	4	4
KEY FOR CSMA 22	K10206604917563	25	6	6
KEY FOR CSMA 27	K10206604917248	25	7	7
KEY FOR CSMA 32	K10206665917248	28	8	7
KEY FOR CSMA 40	K10206660917248	32	10	8

Note: All Dimensions are in mm



ALLEN Cap Screw Inches Series For FMH

Item Name	Item Code	D	M	L	HEX	Suitable FMH Holder
ALLEN CAP SCREW 3/8" x 1.0" 24 UNF 2B	K10206660621248	9/16"	3/8" 24 UNF 2B	1	5/16"	FMH 3/4"
ALLEN CAP SCREW 1/2" x 1 1/4" 20 UNF 2B	K10206658621248	3/4"	1/2" 20 UNF 2B	1 1/4"	3/8"	FMH 1"
ALLEN CAP SCREW 5/8" x 1 1/4" 18 UNF 2B	K10206659621248	15/16"	5/8" 18 UNF 2B	1 1/4"	1/2"	FMH 1 1/4"
ALLEN CAP SCREW 3/4" x 1 1/2" 16 UNF 2B	K10206659623248	1.125"	3/4" 16 UNF 2B	1 1/2"	9/16"	FMH 1 1/2"

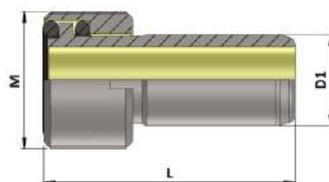


Driver Rings

Item Name	Item Code	d	D1	L1	L2	B	Suitable Holder
DRIVER RING 16	K10200213301127	16	32	10	5	8	CSMA 16
DRIVER RING 22	K10200219301127	22	40	12	5.5	10	CSMA 22
DRIVER RING 27	K10200224301127	27	48	12	6	12	CSMA 27
DRIVER RING 32	K10200229301127	32	58	14	7	14	CSMA 32
DRIVER RING 40	K10200378301127	40	70	14	8	16	CSMA 40

Note: All Dimensions are in mm

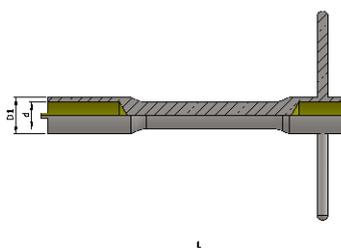
Coolant Tube for HSK-A (DIN 69893-1) Holder



Coolant Tube for HSK-A (DIN 69893-1) Holder

Item Name	Item Code	HSK-A	D1	M	L
HSK-A 50 COOLANT TUBE	K10166232301127	50	10	M16X1	33
HSK-A 63 COOLANT TUBE	K10167232301127	63	12	M18X1	34
HSK-A 100 COOLANT TUBE	K10168232301127	100	16	M24X1.5	44

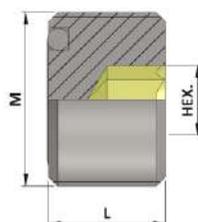
Spanner For HSK-A (DIN 69893-1) Coolant Tube



Spanner For HSK-A (DIN 69893-1) Coolant Tube

Item Name	Item Code	HSK-A	d	D1	L
HSK-A 50 COOLANT TUBE SPANNER	K10166233301127	50	10.5	14.5	90
HSK-A 63 COOLANT TUBE SPANNER	K10167233301127	63	12.2	16.5	136
HSK-A 100 COOLANT TUBE SPANNER	K10168233301127	100	16.2	22	136

Sealing Plug For HSK-A

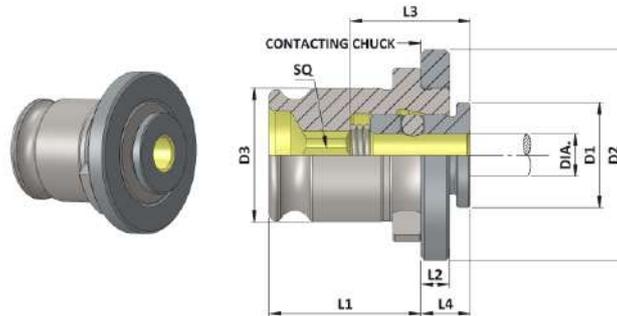


Sealing Plug For HSK-A

Item Name	Item Code	M	L	Hex
HSK-A 50 SEALING PLUG	K10166234301127	M16X1	10	5
HSK-A 63 SEALING PLUG	K10167234301127	M18X1	12	6
HSK-A 100 SEALING PLUG	K10168234301127	M24X1.5	16	10

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE0 Tap Adaptor - Technical Information

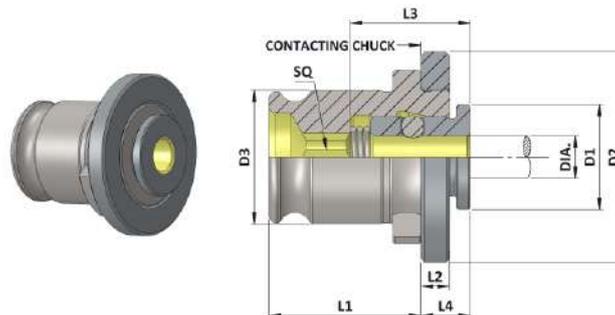
Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWE 0	M1 - M10	2.5 - 8.0	0	13	22	13	19.5	4	15	7
KWE 1	M3 - M12	3.5 - 11.2	1	19	30	19	21.5	4	17	7
KWE 2	M6 - M20	6 - 18	2	30	48	31	35	5	30	11

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE0 Tap Adaptor



KWE0 Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWE 0	M1 - M10	2.5 - 8.0	0	13	22	13	19.5	4	15	7

As Per (ISO) (529 - 1975) Standards

Item Name	Item Code	DIA	Square
KWE0 DIA 3.15 SQ 2.50	K11128118193	3.15	2.50
KWE0 DIA 3.55 SQ 2.80	K11128119193	3.55	2.80
KWE0 DIA 4.00 SQ 3.15	K11128120193	4.00	3.15
KWE0 DIA 4.50 SQ 3.55	K11128121193	4.50	3.55
KWE0 DIA 5.00 SQ 4.00	K11128122193	5.00	4.00
KWE0 DIA 5.50 SQ 4.50	K11128164193	5.60	4.50
KWE0 DIA 6.30 SQ 5.00	K11128124193	6.30	5.00
KWE0 DIA 7.10 SQ 5.60	K11128125193	7.10	5.60
KWE0 DIA 8.00 SQ 6.30	K11128126193	8.00	6.30

As Per (DIN) Standards

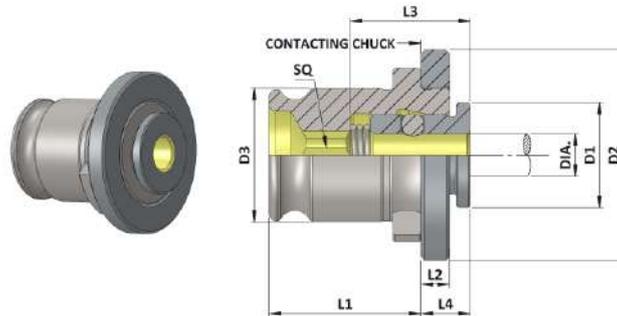
Item Name	Item Code	DIA	Square
KWE0 DIA 2.50 SQ 2.10	K11128141193	2.50	2.10
KWE0 DIA 2.80 SQ 2.10	K11128142193	2.80	2.10
KWE0 DIA 3.50 SQ 2.70	K11128143193	3.50	2.70
KWE0 DIA 4.00 SQ 3.00	K11128144193	4.00	3.00
KWE0 DIA 4.50 SQ 3.40	K11128145193	4.50	3.40
KWE0 DIA 6.00 SQ 4.90	K11128146193	6.00	4.90
KWE0 DIA 7.00 SQ 5.50	K11128147193	7.00	5.50
KWE0 DIA 8.00 SQ 6.20	K11128148193	8.00	6.20

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE0 Tap Adaptor



As Per (JIS) Standards

Item Name	Item Code	DIA	Square
KWE0 DIA 3.00 SQ 2.50	K11128162193	3.00	2.50
KWE0 DIA 4.00 SQ 3.00	K11128144193	4.00	3.00
KWE0 DIA 4.00 SQ 3.20	K11128163193	4.00	3.20
KWE0 DIA 5.00 SQ 4.00	K11128122193	5.00	4.00
KWE0 DIA 5.50 SQ 4.50	K11128164193	5.50	4.50
KWE0 DIA 6.00 SQ 4.50	K11128165193	6.00	4.50
KWE0 DIA 6.10 SQ 5.00	K11128166193	6.10	5.00
KWE0 DIA 6.20 SQ 5.00	K11128167193	6.20	5.00
KWE0 DIA 7.00 SQ 5.50	K11128147193	7.00	5.50
KWE0 DIA 8.00 SQ 6.00	K11128168193	8.00	6.00
KWE0 DIA 8.00 SQ 6.20	K11128148193	8.00	6.20

As Per ANSI (US) Standards

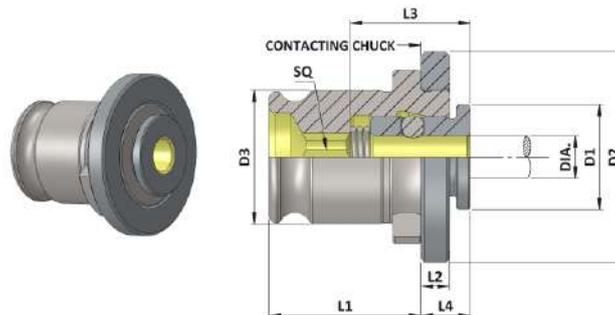
Item Name	Item Code	DIA	Square
KWE0 DIA 0.141" SQ 0.110"	K11128191193	0.141"	0.110"
KWE0 DIA 0.168" SQ 0.131"	K11128192193	0.168"	0.131"
KWE0 DIA 0.194" SQ 0.152"	K11128198193	0.194"	0.152"
KWE0 DIA 0.220" SQ 0.165"	K11128199193	0.220"	0.165"
KWE0 DIA 0.255" SQ 0.191"	K11128200193	0.255"	0.191"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE1 Tap Adaptor



KWE1 Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWE 1	M3 - M12	3.5 - 11.2	1	19	30	19	21.5	4	17	7

As Per (ISO) (529 - 1975) Standards

Item Name	Item Code	DIA	Square
KWE1 DIA 3.15 SQ 2.50	K11129118193	3.15	2.50
KWE1 DIA 3.55 SQ 2.80	K11129119193	3.55	2.80
KWE1 DIA 4.00 SQ 3.15	K11129120193	4.00	3.15
KWE1 DIA 4.50 SQ 3.55	K11129121193	4.50	3.55
KWE1 DIA 5.00 SQ 4.00	K11129122193	5.00	4.00
KWE1 DIA 5.60 SQ 4.50	K11129123193	5.60	4.50
KWE1 DIA 6.30 SQ 5.00	K11129124193	6.30	5.00
KWE1 DIA 7.10 SQ 5.60	K11129125193	7.10	5.60
KWE1 DIA 8.00 SQ 6.30	K11129126193	8.00	6.30
KWE1 DIA 9.00 SQ 7.10	K11129127193	9.00	7.10
KWE1 DIA 10.00 SQ 8.00	K11129128193	10.00	8.00
KWE1 DIA 11.20 SQ 9.00	K11129129193	11.20	9.00

As Per (DIN) Standards

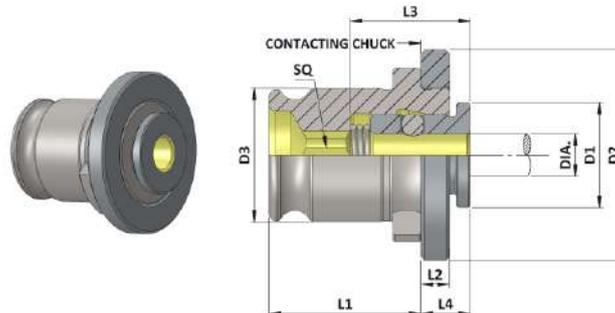
Item Name	Item Code	DIA	Square
KWE1 DIA 2.50 SQ 2.10	K11129141193	2.50	2.10
KWE1 DIA 2.80 SQ 2.10	K11129142193	2.80	2.10
KWE1 DIA 3.50 SQ 2.70	K11129143193	3.50	2.70
KWE1 DIA 4.00 SQ 3.00	K11129144193	4.00	3.00
KWE1 DIA 4.50 SQ 3.40	K11129145193	4.50	3.40
KWE1 DIA 6.00 SQ 4.90	K11129146193	6.00	4.90
KWE1 DIA 7.00 SQ 5.50	K11129147193	7.00	5.50
KWE1 DIA 8.00 SQ 6.20	K11129148193	8.00	6.20
KWE1 DIA 9.00 SQ 7.00	K11129149193	9.00	7.00
KWE1 DIA 10.00 SQ 8.00	K11129128193	10.00	8.00
KWE1 DIA 11.00 SQ 9.00	K11129150193	11.00	9.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE1 Tap Adaptor



As Per (JIS) Standards

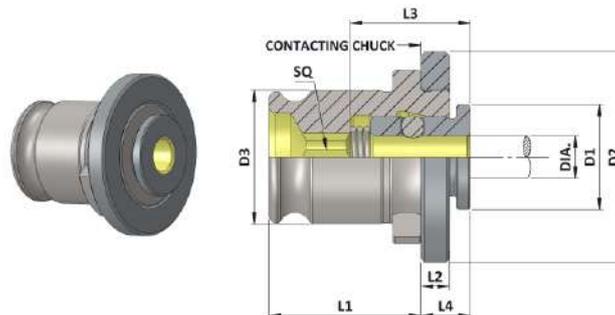
Item Name	Item Code	DIA	Square
KKWE1 DIA 3.00 SQ 2.50	K11129162193	3.00	2.50
KWE1 DIA 4.00 SQ 3.00	K11129144193	4.00	3.00
KWE1 DIA 4.00 SQ 3.20	K11129163193	4.00	3.20
KWE1 DIA 5.00 SQ 4.00	K11129122193	5.00	4.00
KWE1 DIA 5.50 SQ 4.50	K11129164193	5.50	4.50
KWE1 DIA 6.00 SQ 4.50	K11129165193	6.00	4.50
KWE1 DIA 6.10 SQ 5.00	K11129166193	6.10	5.00
KWE1 DIA 6.20 SQ 5.00	K11129167193	6.20	5.00
KWE1 DIA 7.00 SQ 5.50	K11129147193	7.00	5.50
KWE1 DIA 8.00 SQ 6.00	K11129168193	8.00	6.00
KWE1 DIA 8.00 SQ 6.20	K11129148193	8.00	6.20
KWE1 DIA 8.50 SQ 6.50	K11129170193	8.50	6.50
KWE1 DIA 9.00 SQ 7.00	K11129149193	9.00	7.00
KWE1 DIA 9.50 SQ 7.00	K11129171193	9.50	7.00
KWE1 DIA 10.50 SQ 8.00	K11129172193	10.50	8.00
KWE1 DIA 11.00 SQ 9.00	K11129150193	11.00	9.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE1 Tap Adaptor



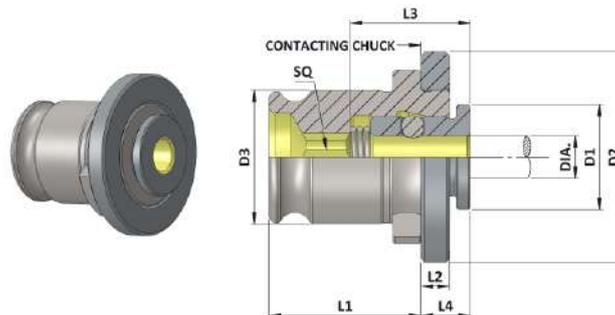
As Per ANSI (US) Standards			
Item Name	Item Code	DIA	Square
KWE1 DIA 0.141" SQ 0.110"	K11129191193	0.141"	0.110"
KWE1 DIA 0.141" SQ 0.110" TC	K11129191249	0.141"	0.110"
KWE1 DIA 0.168" SQ 0.131"	K11129192193	0.168"	0.131"
KWE1 DIA 0.168" SQ 0.131" TC	K11129192249	0.168"	0.131"
KWE1 DIA 0.194" SQ 0.152"	K11129198193	0.194"	0.152"
KWE1 DIA 0.194" SQ 0.152" NO-10 TC	K11236198193	0.194"	0.152"
KWE1 DIA 0.220" SQ 0.165"	K11129199193	0.220"	0.165"
KWE1 DIA 0.220" SQ 0.165" TC	K11129199249	0.220"	0.165"
KWE1 DIA 0.255" SQ 0.191"	K11129200193	0.255"	0.191"
KWE1 DIA 0.255" SQ 0.191" 1/4" TC	K11236200193	0.255"	0.191"
KWE1 DIA 0.313" SQ 0.234"	K11129201193	0.313"	0.234"
KWE1 DIA 0.318" SQ 0.238" 5/16" TC	K11236202193	0.318"	0.238"
KWE1 DIA 0.318" SQ 0.238"	K11129202193	0.318"	0.238"
KWE1 DIA 0.323" SQ 0.242"	K11129193193	0.323"	0.242"
KWE1 DIA 0.323" SQ 0.242" TC	K11129193249	0.323"	0.242"
KWE1 DIA 0.367" SQ 0.275"	K11129194193	0.367"	0.275"
KWE1 DIA 0.367" SQ 0.275" TC	K11129194249	0.367"	0.275"
KWE1 DIA 0.381" SQ 0.286"	K11129195193	0.381"	0.286"
KWE1 DIA 0.381" SQ 0.286" 3/8" TC	K11236195193	0.381"	0.286"
KWE1 DIA 0.429" SQ 0.322"	K11129196193	0.429"	0.322"
KWE1 DIA 0.429" SQ 0.322" TC	K11129196249	0.429"	0.322"
KWE1 DIA 0.437" SQ 0.328"	K11129197193	0.437"	0.328"
KWE1 DIA 0.437" SQ 0.328" TC	K11129197249	0.437"	0.328"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE2 Tap Adaptor



KWE2 Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWE 2	M8 - M20	6 - 18	2	30	48	31	35	5	30	11

As Per (ISO) (529 - 1975) Standards

Item Name	Item Code	DIA	Square
KWE2 DIA 6.30 SQ 5.00	K11130124193	6.30	5.00
KWE2 DIA 7.10 SQ 5.60	K11130125193	7.10	5.60
KWE2 DIA 8.00 SQ 6.30	K11130126193	8.00	6.30
KWE2 DIA 9.00 SQ 7.10	K11130127193	9.00	7.10
KWE2 DIA 10.00 SQ 8.00	K11130128193	10.00	8.00
KWE2 DIA 11.20 SQ 9.00	K11130129193	11.20	9.00
KWE2 DIA 12.50 SQ 10.00	K11130130193	12.50	10.00
KWE2 DIA 14.00 SQ 11.20	K11130131193	14.00	11.20
KWE2 DIA 16.00 SQ 12.50	K11130132193	16.00	12.50
KWE2 DIA 18.00 SQ 14.00	K11130133193	18.00	14.00

As Per (DIN) Standards

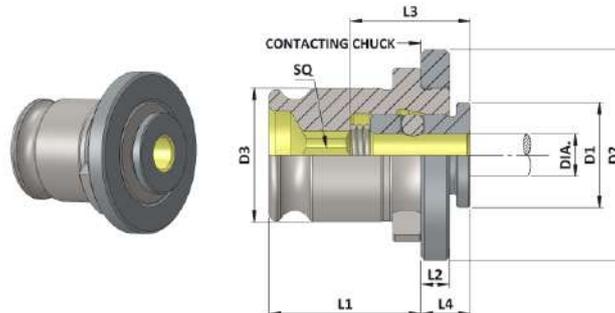
Item Name	Item Code	DIA	Square
KWE2 DIA 6.00 SQ 4.90	K11130146193	6.00	4.90
KWE2 DIA 7.00 SQ 5.50	K11130147193	7.00	5.50
KWE2 DIA 8.00 SQ 6.20	K11130148193	8.00	6.20
KWE2 DIA 9.00 SQ 7.00	K11130149193	9.00	7.00
KWE2 DIA 10.00 SQ 8.00	K11130128193	10.00	8.00
KWE2 DIA 11.00 SQ 9.00	K11130150193	11.00	9.00
KWE2 DIA 12.00 SQ 9.00	K11130151193	12.00	9.00
KWE2 DIA 14.00 SQ 11.00	K11130152193	14.00	11.00
KWE2 DIA 16.00 SQ 12.00	K11130153193	16.00	12.00
KWE2 DIA 18.00 SQ 14.50	K11130154193	18.00	14.50

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



KWE2 Tap Adaptor



As Per (JIS) Standards

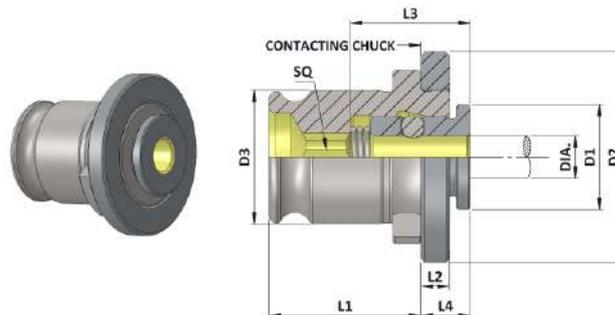
Item Name	Item Code	DIA	Square
KWE2 DIA 6.00 SQ 4.50	K11130165193	6.00	4.50
KWE2 DIA 6.10 SQ 5.00	K11130166193	6.10	5.00
KWE2 DIA 6.20 SQ 5.00	K11130167193	6.20	5.00
KWE2 DIA 7.00 SQ 5.50	K11130147193	7.00	5.50
KWE2 DIA 8.00 SQ 6.00	K11130168193	8.00	6.00
KWE2 DIA 8.00 SQ 6.20	K11130148193	8.00	6.20
KWE2 DIA 8.50 SQ 6.50	K11130170193	8.50	6.50
KWE2 DIA 9.00 SQ 7.00	K11130149193	9.00	7.00
KWE2 DIA 9.50 SQ 7.00	K11130171193	9.50	7.00
KWE2 DIA 10.50 SQ 8.00	K11130172193	10.50	8.00
KWE2 DIA 11.00 SQ 9.00	K11130150193	11.00	9.00
KWE2 DIA 12.00 SQ 9.00	K11130151193	12.00	9.00
KWE2 DIA 12.50 SQ 10.00	K11130130193	12.50	10.00
KWE2 DIA 13.00 SQ 10.00	K11130173193	13.00	10.00
KWE2 DIA 14.00 SQ 11.00	K11130152193	14.00	11.00
KWE2 DIA 15.00 SQ 12.00	K11130174193	15.00	12.00
KWE2 DIA 16.00 SQ 12.00	K11130153193	16.00	12.00
KWE2 DIA 17.00 SQ 13.00	K11130175193	17.00	13.00
KWE2 DIA 18.00 SQ 14.00	K11130133193	18.00	14.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWE) (Without Safety Clutch)



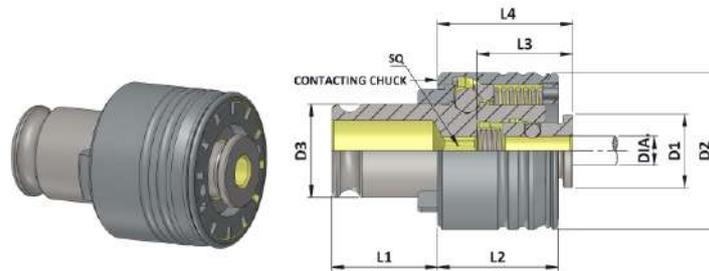
KWE2 Tap Adaptor



As Per (ANSI (US) Standards			
Item Name	Item Code	DIA	Square
KWE2 DIA 0.141" SQ 0.110"	K11130191193	0.141"	0.110"
KWE2 DIA 0.168" SQ 0.131"	K11130192193	0.168"	0.131"
KWE2 DIA 0.194" SQ 0.152"	K11130198193	0.194"	0.152"
KWE2 DIA 0.220" SQ 0.165"	K11130199193	0.220"	0.165"
KWE2 DIA 0.255" SQ 0.191"	K11130200193	0.255"	0.191"
KWE2 DIA 0.313" SQ 0.234"	K11130201193	0.313"	0.234"
KWE2 DIA 0.318" SQ 0.238"	K11130202193	0.318"	0.238"
KWE2 DIA 0.318" SQ 0.238" 5/16" TC	K11234202193	0.318"	0.238"
KWE2 DIA 0.323" SQ 0.242"	K11130193193	0.323"	0.242"
KWE2 DIA 0.323" SQ 0.242" 7/16" TC	K11234193193	0.323"	0.242"
KWE2 DIA 0.367" SQ 0.275"	K11130194193	0.367"	0.275"
KWE2 DIA 0.367" SQ 0.275" 1/2" TC	K11234194193	0.367"	0.275"
KWE2 DIA 0.381" SQ 0.286"	K11130195193	0.381"	0.286"
KWE2 DIA 0.381" SQ 0.286" 3/8" TC	K11234195234	0.381"	0.286"
KWE2 DIA 0.429" SQ 0.322"	K11130196193	0.429"	0.322"
KWE2 DIA 0.429" SQ 0.322" TC	K11130196249	0.429"	0.322"
KWE2 DIA 0.437" SQ 0.328"	K11130197193	0.437"	0.328"
KWE2 DIA 0.480" SQ 0.360"	K11130203193	0.480"	0.360"
KWE2 DIA 0.480" SQ 0.360" 5/8" TC	K11234203193	0.480"	0.360"
KWE2 DIA 0.542" SQ 0.406"	K11130204193	0.542"	0.406"
KWE2 DIA 0.542" SQ 0.406" TC	K11130204249	0.542"	0.406"
KWE2 DIA 0.562" SQ 0.421"	K11130205193	0.562"	0.421"
KWE2 DIA 0.562" SQ 0.421" TC	K11130205249	0.562"	0.421"
KWE2 DIA 0.590" SQ 0.442"	K11130206193	0.590"	0.442"
KWE2 DIA 0.590" SQ 0.442" 3/4" TC	K11234206235	0.590"	0.442"
KWE2 DIA 0.652" SQ 0.489"	K11130207193	0.652"	0.489"
KWE2 DIA 0.652" SQ 0.489" TC	K11130207249	0.652"	0.489"
KWE2 DIA 0.687" SQ 0.515"	K11130208193	0.687"	0.515"
KWE2 DIA 0.687" SQ 0.515" 1/2" P TC	K11234208173	0.687"	0.515"
KWE2 DIA 0.697" SQ 0.523"	K11130209193	0.697"	0.523"
KWE2 DIA 0.697" SQ 0.523" TC	K11130209249	0.697"	0.523"
KWE2 DIA 0.700" SQ 0.531"	K11130210193	0.700"	0.531"
KWE2 DIA 0.700" SQ 0.531" TC	K11130210249	0.700"	0.531"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES0B TO 4B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES 0 B	M1 - M10	2.5 - 8.0	0	13	23	13	19.5	20	15	21
KWES 1 B	M3 - M12	3.5 - 11.2	1	19	30	19	21.5	25	17	25
KWES 2 B	M6 - M20	6 - 18	2	30	50	31	35	31	30	34
KWES 3 B	M14 - M33	11 - 28	3	48	72	48	55.5	41	44	45
KWES 4 B	M22 - M48	18 - 36	4	60	95	60	63	61	71	68

Application :

- Quick Change Tap Adaptors KWES../B are used along with KTA Quick Change Tapping Chuc on CNC Lathe, CNC Milling & Manual Lathe & Drilling Machines.

Features :

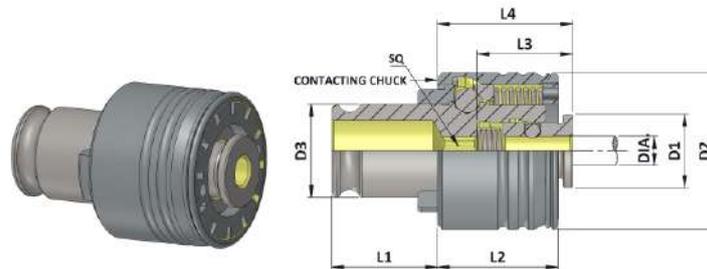
- Taps can be Changed Quickly without Additional tooling Support.
Different Adaptor is required for each tap, depends on Tap shank dia & square size.
- Safety Clutch protects tap breakages. Blind holes tapping becomes easy.

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES0B Tap Adaptor



KWES0B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES 0 B	M1 - M10	2.5 - 8.0	0	13	23	13	19.5	20	15	21

As Per (ISO) (529 - 1975) Standards

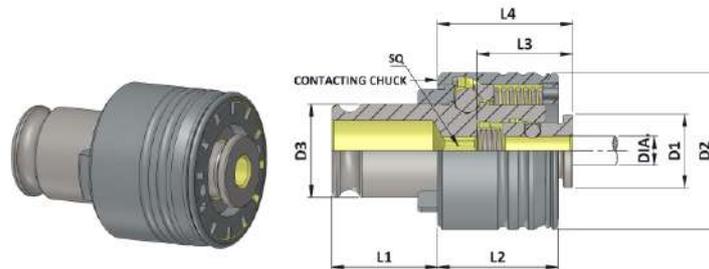
Item Name	Item Code	DIA	Square
KWES0B DIA 3.15 SQ 2.50 M3	K11132118104	3.15	2.50
KWES0B DIA 3.15 SQ 2.50 M4	K11132118105	3.15	2.50
KWES0B DIA 3.55 SQ 2.80 M3.5	K11132119106	3.55	2.80
KWES0B DIA 3.55 SQ 2.80 M4.5	K11132119107	3.55	2.80
KWES0B DIA 4.00 SQ 3.15 M4	K11132120105	4.00	3.15
KWES0B DIA 4.00 SQ 3.15 M5	K11132120108	4.00	3.15
KWES0B DIA 4.50 SQ 3.55 M6	K11132121109	4.50	3.55
KWES0B DIA 5.00 SQ 4.00 M5	K11132122108	5.00	4.00
KWES0B DIA 5.60 SQ 4.50 M7	K11132123110	5.60	4.50
KWES0B DIA 6.30 SQ 5.00 M6	K11132124109	6.30	5.00
KWES0B DIA 6.30 SQ 5.00 M8	K11132124111	6.30	5.00
KWES0B DIA 7.10 SQ 5.60 M10	K11132125112	7.10	5.60
KWES0B DIA 8.00 SQ 6.30 M8	K11132126111	8.00	6.30
KWES0B DIA 8.00 SQ 6.30 M10	K11132126112	8.00	6.30
KWES0B DIA 3.15 SQ 2.50 NO. 04UNC	K11132118188	3.15	2.50
KWES0B DIA 3.15 SQ 2.50 NO. 05UNC	K11132118189	3.15	2.50
KWES0B DIA 3.15 SQ 2.50 NO. 08UNC	K11132118156	3.15	2.50
KWES0B DIA 3.55 SQ 2.80 3/16" UNC	K11132119196	3.55	2.80
KWES0B DIA 3.55 SQ 2.80 NO. 06UNC	K11132119155	3.55	2.80
KWES0B DIA 3.55 SQ 2.80 NO. 10UNC	K11132119157	3.55	2.80
KWES0B DIA 4.00 SQ 3.15 7/32" UNC	K11132120197	4.00	3.15
KWES0B DIA 4.00 SQ 3.15 NO. 12UNC	K11132120158	4.00	3.15
KWES0B DIA 4.50 SQ 3.55 1/4" UNC	K11132121159	4.50	3.55
KWES0B DIA 4.50 SQ 3.55 NO. 08UNC	K11132121156	4.50	3.55
KWES0B DIA 5.00 SQ 4.00 3/16" UNC	K11132122196	5.00	4.00
KWES0B DIA 5.00 SQ 4.00 NO. 10UNC	K11132122157	5.00	4.00
KWES0B DIA 5.60 SQ 4.50 7/32" UNC	K11132123197	5.60	4.50
KWES0B DIA 5.60 SQ 4.50 NO. 12UNC	K11132123158	5.60	4.50
KWES0B DIA 6.30 SQ 5.00 1/4" UNC	K11132124159	6.30	5.00
KWES0B DIA 6.30 SQ 5.00 5/16" UNC	K11132124161	6.30	5.00
KWES0B DIA 7.10 SQ 5.60 3/8" UNC	K11132125164	7.10	5.60
KWES0B DIA 8.00 SQ 6.30 5/16" UNC	K11132126161	8.00	6.30

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES0B Tap Adaptor



As Per (DIN) Standards

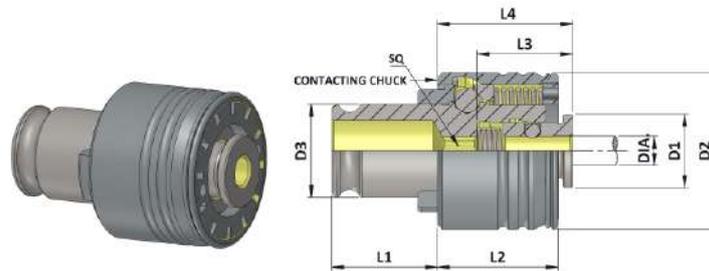
Item Name	Item Code	DIA	Square
KWES0B DIA 2.50 SQ 2.10 M1	K11132141135	2.50	2.10
KWES0B DIA 2.50 SQ 2.10 M1.8	K11132141136	2.50	2.10
KWES0B DIA 2.80 SQ 2.10 M2	K11132142194	2.80	2.10
KWES0B DIA 2.80 SQ 2.10 M2.5	K11132142103	2.80	2.10
KWES0B DIA 2.80 SQ 2.10 M3	K11132142104	2.80	2.10
KWES0B DIA 2.80 SQ 2.10 M4	K11132142105	2.80	2.10
KWES0B DIA 2.80 SQ 2.24 M2.2	K11132223102	2.80	2.24
KWES0B DIA 2.80 SQ 2.24 M2.5	K11132223103	2.80	2.24
KWES0B DIA 3.50 SQ 2.70 M3	K11132143104	3.50	2.70
KWES0B DIA 3.50 SQ 2.70 M5	K11132143108	3.50	2.70
KWES0B DIA 4.00 SQ 3.00 M3.5	K11132144106	4.00	3.00
KWES0B DIA 4.00 SQ 3.00 M4	K11132144105	4.00	3.00
KWES0B DIA 4.50 SQ 3.40 M4	K11132145105	4.50	3.40
KWES0B DIA 4.50 SQ 3.40 M6	K11132145109	4.50	3.40
KWES0B DIA 6.00 SQ 4.90 M5	K11132146108	6.00	4.90
KWES0B DIA 6.00 SQ 4.90 M6	K11132146109	6.00	4.90
KWES0B DIA 6.00 SQ 4.90 M8	K11132146111	6.00	4.90
KWES0B DIA 7.00 SQ 5.50 M9	K11132147142	7.00	5.50
KWES0B DIA 7.00 SQ 5.50 M10	K11132147112	7.00	5.50
KWES0B DIA 8.00 SQ 6.20 M8	K11132148111	8.00	6.20
KWES0B DIA 2.50 SQ 2.10 NO.01 UNC	K11132141201	2.50	2.10
KWES0B DIA 2.80 SQ 2.10 3/32" UNC	K11132142202	2.80	2.10
KWES0B DIA 2.80 SQ 2.10 5/32" UNC	K11132142203	2.80	2.10
KWES0B DIA 3.50 SQ 2.70 1/8" UNC	K11132143207	3.50	2.70
KWES0B DIA 4.00 SQ 3.00 7/32" UNC	K11132144197	4.00	3.00
KWES0B DIA 4.50 SQ 3.40 1/4" UNC	K11132145159	4.50	3.40
KWES0B DIA 4.50 SQ 3.40 5/32" UNC	K11132145203	4.50	3.40
KWES0B DIA 7.00 SQ 5.50 1/4" UNC	K11132147159	7.00	5.50
KWES0B DIA 7.00 SQ 5.50 1/8" G(BSP)	K11132147207	7.00	5.50
KWES0B DIA 7.00 SQ 5.50 3/8" G(BSP)	K11132147206	7.00	5.50
KWES0B DIA 8.00 SQ 6.20 5/16" UNC	K11132148161	8.00	6.20

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES0B Tap Adaptor



As Per (JIS) Standards

Item Name	Item Code	DIA	Square
KWES0B DIA 4.00 SQ 3.00 M3	K11132144104	4.00	3.00
KWES0B DIA 4.00 SQ 3.00 M3.5	K11132144106	4.00	3.00
KWES0B DIA 4.00 SQ 3.20 M3	K11132163104	4.00	3.20
KWES0B DIA 5.00 SQ 4.00 M4	K11132122105	5.00	4.00
KWES0B DIA 5.00 SQ 4.00 M4.5	K11132122107	5.00	4.00
KWES0B DIA 5.50 SQ 4.50 M4.5	K11132164107	5.50	4.50
KWES0B DIA 5.50 SQ 4.50 M5	K11132164108	5.50	4.50
KWES0B DIA 5.50 SQ 4.50 M5.5	K11132164141	5.50	4.50
KWES0B DIA 6.00 SQ 4.50 M6	K11132165109	6.00	4.50
KWES0B DIA 6.20 SQ 5.00 M7	K11132167110	6.20	5.00
KWES0B DIA 6.20 SQ 5.00 M8	K11132167111	6.20	5.00
KWES0B DIA 7.00 SQ 5.50 M9	K11132147142	7.00	5.50
KWES0B DIA 7.00 SQ 5.50 M10	K11132147112	7.00	5.50
KWES0B DIA 8.00 SQ 6.00 M11	K11132168143	8.00	6.00

As Per ANSI (US) Standards

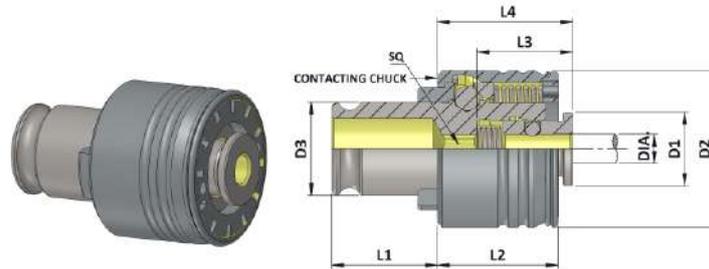
Item Name	Item Code	DIA	Square
KWES0B DIA 0.141" SQ 0.110" NO. 06" UNC	K11132191155	0.141"	0.110"
KWES0B DIA 0.168" SQ 0.131" NO. 08" UNC	K11132192190	0.168"	0.131"
KWES0B DIA 0.194" SQ 0.152" NO. 10 UNC	K11132198157	0.194"	0.152"
KWES0B DIA 0.220" SQ 0.165" NO. 12 UNC	K11132199158	0.220"	0.165"
KWES0B DIA 0.255" SQ 0.191" 1/4" UNC	K11132200159	0.255"	0.191"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES1B Tap Adaptor



KWES1B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES1 B	M3 - M12	3.5 - 11.2	1	19	32	19	21.5	25	17	25

As Per (ISO) (529 - 1975) Standards

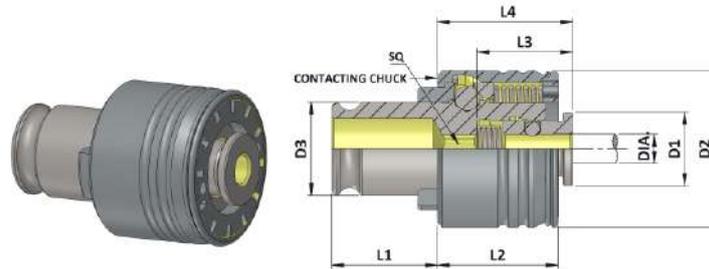
Item Name	Item Code	DIA	Square
KKWES1B DIA 3.15 SQ 2.50 M3	K11133118104	3.15	2.50
KWES1B DIA 3.15 SQ 2.50 M4	K11133118105	3.15	2.50
KWES1B DIA 3.55 SQ 2.80 M3	K11133119104	3.55	2.80
KWES1B DIA 3.55 SQ 2.80 M3.5	K11133119106	3.55	2.80
KWES1B DIA 3.55 SQ 2.80 M4.5	K11133119107	3.55	2.80
KWES1B DIA 4.00 SQ 3.15 M4	K11133120105	4.00	3.15
KWES1B DIA 4.00 SQ 3.15 M5	K11133120108	4.00	3.15
KWES1B DIA 4.50 SQ 3.55 M6	K11133121109	4.50	3.55
KWES1B DIA 5.00 SQ 4.00 M5	K11133122108	5.00	4.00
KWES1B DIA 5.60 SQ 4.50 M6	K11133123109	5.60	4.50
KWES1B DIA 5.60 SQ 4.50 M7	K11133123110	5.60	4.50
KWES1B DIA 6.30 SQ 5.00 M6	K11133124109	6.30	5.00
KWES1B DIA 6.30 SQ 5.00 M8	K11133124111	6.30	5.00
KWES1B DIA 7.10 SQ 5.60 M8	K11133125111	7.10	5.60
KWES1B DIA 7.10 SQ 5.60 M10	K11133125112	7.10	5.60
KWES1B DIA 8.00 SQ 6.30 M8	K11133126111	8.00	6.30
KWES1B DIA 8.00 SQ 6.30 M10	K11133126112	8.00	6.30
KWES1B DIA 9.00 SQ 7.10 M12	K11133127113	9.00	7.10
KWES1B DIA 10.00 SQ 8.00 M10	K11133128112	10.00	8.00
KWES1B DIA 11.20 SQ 9.00 M14	K11133129114	11.20	9.00
KWES1B DIA 3.15 SQ 2.50 NO. 04UNC	K11133118188	3.15	2.50
KWES1B DIA 3.15 SQ 2.50 NO. 05UNC	K11133118189	3.15	2.50
KWES1B DIA 3.15 SQ 2.50 NO. 08UNC	K11133118156	3.15	2.50
KWES1B DIA 3.55 SQ 2.80 NO. 06UNC	K11133119155	3.55	2.80
KWES1B DIA 3.55 SQ 2.80 NO. 10UNC	K11133119157	3.55	2.80
KWES1B DIA 3.55 SQ 2.80 3/16" UNC	K11133119196	3.55	2.80
KWES1B DIA 4.00 SQ 3.15 NO. 12UNC	K11133120158	4.00	3.15
KWES1B DIA 4.00 SQ 3.15 7/32" UNC	K11133120197	4.00	3.15
KWES1B DIA 4.50 SQ 3.55 NO. 08UNC	K11133121156	4.50	3.55
KWES1B DIA 4.50 SQ 3.55 1/4" UNC	K11133121159	4.50	3.55

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES1B Tap Adaptor



As Per (ISO) (529 - 1975) Standards

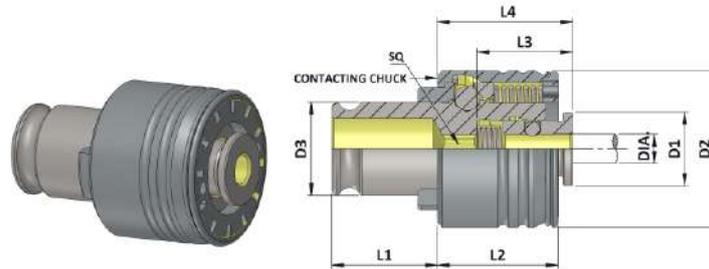
Item Name	Item Code	DIA	Square
KWES1B DIA 5.00 SQ 4.00 NO. 10UNC	K11133122157	5	4
KWES1B DIA 5.00 SQ 4.00 3/16" UNC	K11133122196	5	4
KWES1B DIA 5.60 SQ 4.50 NO. 12UNC	K11133123158	5.6	4.5
KWES1B DIA 5.60 SQ 4.50 7/32" UNC	K11133123197	5.6	4.5
KWES1B DIA 6.30 SQ 5.00 1/4" UNC	K11133124159	6.3	5
KWES1B DIA 6.30 SQ 5.00 5/16" UNC	K11133124161	6.3	5
KWES1B DIA 7.10 SQ 5.60 3/8" UNC	K11133125164	7.1	5.6
KWES1B DIA 8.00 SQ 6.30 5/16" UNC	K11133126161	8	6.3
KWES1B DIA 8.00 SQ 6.30 7/16" UNC	K11133126162	8	6.3
KWES1B DIA 9.00 SQ 7.10 1/2" UNC	K11133127163	9	7.1
KWES1B DIA 10.00 SQ 8.00 1/4" G(BSP)	K11133128205	10	8
KWES1B DIA 10.00 SQ 8.00 1/8" (BSPT)	K11133128242	10	8
KWES1B DIA 10.00 SQ 8.00 3/8" UNC	K11133128164	10	8
KWES1B DIA 11.20 SQ 9.00 1/4" G(BSP)	K11133129205	11.2	9
KWES1B DIA 11.20 SQ 9.00 9/16" UNC	K11133129166	11.2	9

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES1B Tap Adaptor



As Per (DIN) Standards

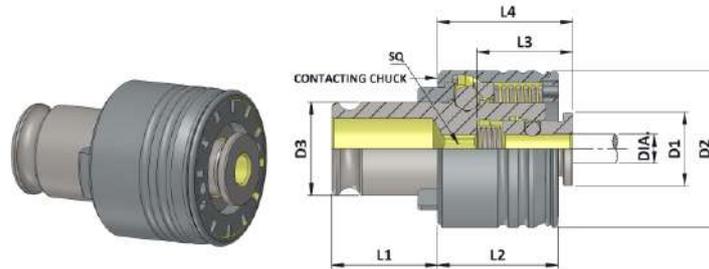
Item Name	Item Code	DIA	Square
KWES1B DIA 2.50 SQ 2.10 M1.6	K11133141239	2.50	2.10
KWES1B DIA 2.50 SQ 2.10 M1.8	K11133141136	2.50	2.10
KWES1B DIA 2.50 SQ 2.10 M2	K11133141194	2.50	2.10
KWES1B DIA 2.50 SQ 2.10 M2.5	K11133141103	2.50	2.10
KWES1B DIA 2.80 SQ 2.10 M2	K11133142194	2.80	2.10
KWES1B DIA 2.80 SQ 2.10 M2.5	K11133142103	2.80	2.10
KWES1B DIA 2.80 SQ 2.10 M3	K11133142104	2.80	2.10
KWES1B DIA 3.50 SQ 2.70 M3	K11133143104	3.50	2.70
KWES1B DIA 3.50 SQ 2.70 M4	K11133143105	3.50	2.70
KWES1B DIA 3.50 SQ 2.70 M5	K11133143108	3.50	2.70
KWES1B DIA 4.00 SQ 3.00 M3.5	K11133144106	4.00	3.00
KWES1B DIA 4.00 SQ 3.00 M4	K11133144105	4.00	3.00
KWES1B DIA 4.50 SQ 3.40 M4	K11133145105	4.50	3.40
KWES1B DIA 4.50 SQ 3.40 M6	K11133145109	4.50	3.40
KWES1B DIA 5.50 SQ 4.30 M7	K11133271110	5.50	4.30
KWES1B DIA 6.00 SQ 4.90 M5	K11133146108	6.00	4.90
KWES1B DIA 6.00 SQ 4.90 M6	K11133146109	6.00	4.90
KWES1B DIA 6.00 SQ 4.90 M8	K11133146111	6.00	4.90
KWES1B DIA 7.00 SQ 5.50 M7	K11133147110	7.00	5.50
KWES1B DIA 7.00 SQ 5.50 M9	K11133147142	7.00	5.50
KWES1B DIA 7.00 SQ 5.50 M10	K11133147112	7.00	5.50
KWES1B DIA 8.00 SQ 6.20 M8	K11133148111	8.00	6.20
KWES1B DIA 8.00 SQ 6.20 M10	K11133148112	8.00	6.20
KWES1B DIA 9.00 SQ 7.00 M12	K11133149113	9.00	7.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES1B Tap Adaptor



As Per (DIN) Standards			
Item Name	Item Code	DIA	Square
KWES1B DIA 10.00 SQ 8.00 M10	K11133128112	10.00	8.00
KWES1B DIA 11.00 SQ 9.00 M14	K11133150114	11.00	9.00
KWES1B DIA 2.50 SQ 2.10 1/16" UNC	K11133141201	2.50	2.10
KWES1B DIA 2.80 SQ 2.10 3/32" UNC	K11133142202	2.80	2.10
KWES1B DIA 2.80 SQ 2.10 5/32" UNC	K11133142203	2.80	2.10
KWES1B DIA 3.50 SQ 2.70 1/8" UNC	K11133143207	3.50	2.70
KWES1B DIA 4.00 SQ 3.00 7/32" UNC	K11133144197	4.00	3.00
KWES1B DIA 4.50 SQ 3.40 1/4" UNC	K11133145159	4.50	3.40
KWES1B DIA 4.50 SQ 3.40 5/32" UNC	K11133145203	4.50	3.40
KWES1B DIA 7.00 SQ 5.50 1/4" UNC	K11133147159	7.00	5.50
KWES1B DIA 7.00 SQ 5.50 1/8" (BSPT)	K11133147204	7.00	5.50
KWES1B DIA 7.00 SQ 5.50 3/8" UNC	K11133147164	7.00	5.50
KWES1B DIA 8.00 SQ 6.20 1/8" G (BSPT)	K11133148242	8.00	6.20
KWES1B DIA 8.00 SQ 6.20 5/16" UNC	K11133148161	8.00	6.20
KWES1B DIA 8.00 SQ 6.20 7/16" UNC	K11133148162	8.00	6.20
KWES1B DIA 9.00 SQ 7.00 3/8" UNC	K11133149164	9.00	7.00
KWES1B DIA 9.00 SQ 7.00 1/2" UNC	K11133149163	9.00	7.00
KWES1B DIA 11.00 SQ 9.00 1/4" G(BSP)	K11133150205	11.00	9.00
KWES1B DIA 11.00 SQ 9.00 9/16" UNC	K11133150166	11.00	9.00

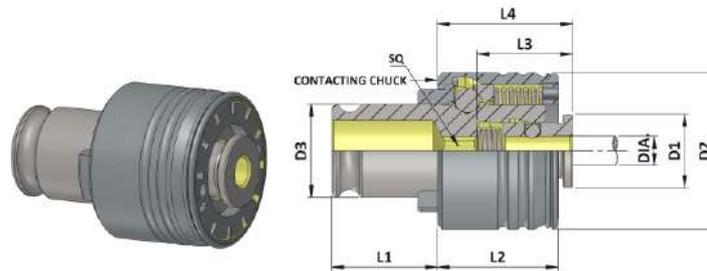
As Per (JIS) Standards			
Item Name	Item Code	DIA	Square
KWES1B DIA 4.00 SQ 3.00 M3	K11133144104	4.00	3.00
KWES1B DIA 4.00 SQ 3.00 M3.5	K11133144106	4.00	3.00
KWES1B DIA 4.00 SQ 3.20 M3	K11133163104	4.00	3.20
KWES1B DIA 4.00 SQ 3.20 M4	K11133163105	4.00	3.20
KWES1B DIA 5.00 SQ 4.00 M4	K11133122105	5.00	4.00
KWES1B DIA 5.00 SQ 4.00 M4.5	K11133122107	5.00	4.00
KWES1B DIA 5.50 SQ 4.50 M5	K11133164108	5.50	4.50
KWES1B DIA 5.50 SQ 4.50 M5.5	K11133164141	5.50	4.50
KWES1B DIA 5.50 SQ 4.50 M7	K11133164110	5.50	4.50
KWES1B DIA 6.00 SQ 4.50 M6	K11133165109	6.00	4.50
KWES1B DIA 6.20 SQ 5.00 M7	K11133167110	6.20	5.00
KWES1B DIA 6.20 SQ 5.00 M8	K11133167111	6.20	5.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES1B Tap Adaptor



As Per (JIS) Standards

Item Name	Item Code	DIA	Square
KWES1B DIA 7.00 SQ 5.50 M9	K11133147142	7.00	5.50
KWES1B DIA 7.00 SQ 5.50 M10	K11133147112	7.00	5.50
KWES1B DIA 8.00 SQ 6.00 M11	K11133168143	8.00	6.00
KWES1B DIA 8.50 SQ 6.50 M12	K11133170113	8.50	6.50
KWES1B DIA 9.00 SQ 7.00 1/2" UNC	K11133149163	9.00	7.00
KWES1B DIA 10.50 SQ 8.00 M14	K11133172114	10.50	8.00
KWES1B DIA 10.50 SQ 8.00 M15	K11133172144	10.50	8.00
KWES1B DIA 11.00 SQ 9.00 1/4" G(BSP)	K11133150205	11.00	9.00

As Per ANSI (US) Standards

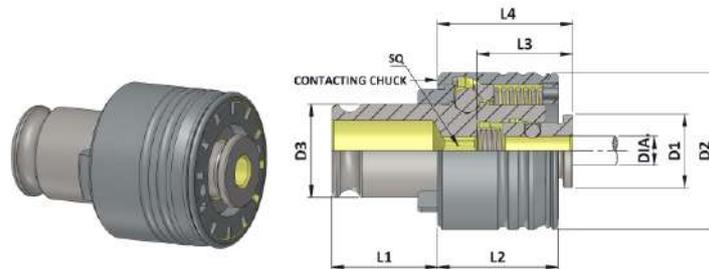
Item Name	Item Code	DIA	Square
KWES1B DIA 0.141" SQ 0.110" NO. 06UNC	K11133191155	0.141"	0.110"
KWES1B DIA 0.168" SQ 0.131" NO. 08UNC	K11133192156	0.168"	0.131"
KWES1B DIA 0.194" SQ 0.152" NO. 10UNC	K11133198157	0.194"	0.152"
KWES1B DIA 0.220" SQ 0.165" NO. 12UNC	K11133199158	0.220"	0.165"
KWES1B DIA 0.255" SQ 0.191" 1/4" UNC	K11133200159	0.255"	0.191"
KWES1B DIA 0.312" SQ 0.234" 1/8" SS	K11133225160	0.312"	0.234"
KWES1B DIA 0.318" SQ 0.238" 5/16" UNC	K11133202161	0.318"	0.238"
KWES1B DIA 0.323" SQ 0.242" 7/16" UNC	K11133193162	0.323"	0.242"
KWES1B DIA 0.367" SQ 0.275" 1/2" UNC	K11133194163	0.367"	0.275"
KWES1B DIA 0.381" SQ 0.286" 3/8" UNC	K11133195164	0.381"	0.286"
KWES1B DIA 0.429" SQ 0.322" 1/4" NPT	K11133196248	0.429"	0.322"
KWES1B DIA 0.429" SQ 0.322" 9/16" UNC	K11133196166	0.429"	0.322"
KWES1B DIA 0.437" SQ 0.328 1/8" LS	K11133197165	0.437"	0.328"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES2B Tap Adaptor



KWES2B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES2 B	M6 - M20	6-18	2	30	50	31	35	31	30	34

As Per (ISO) (529 - 1975) Standards

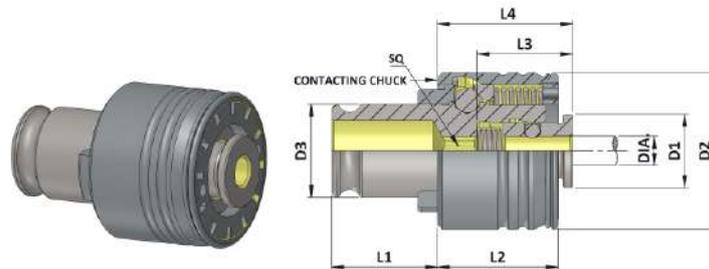
Item Name	Item Code	DIA	Square
KWES2B DIA 6.30 SQ 5.00 M6	K11134124109	6.30	5.00
KWES2B DIA 6.30 SQ 5.00 M8	K11134124111	6.30	5.00
KWES2B DIA 7.10 SQ 5.60 M7	K11134125110	7.10	5.60
KWES2B DIA 7.10 SQ 5.60 M10	K11134125112	7.10	5.60
KWES2B DIA 8.00 SQ 6.30 M8	K11134126111	8.00	6.30
KWES2B DIA 8.00 SQ 6.30 M10	K11134126112	8.00	6.30
KWES2B DIA 9.00 SQ 7.10 M12	K11134127113	9.00	7.10
KWES2B DIA 10.00 SQ 8.00 M10	K11134128112	10.00	8.00
KWES2B DIA 14.00 SQ 11.20 M18	K11134131116	14.00	11.20
KWES2B DIA 14.00 SQ 11.20 M20	K11134131117	14.00	11.20
KWES2B DIA 16.00 SQ 12.50 M22	K11134132118	16.00	12.50
KWES2B DIA 18.00 SQ 14.00 M24	K11134133119	18.00	14.00
KWES2B DIA 6.30 SQ 5.00 1/4" UNC	K11134124159	6.30	5.00
KWES2B DIA 6.30 SQ 5.00 5/16" UNC	K11134124161	6.30	5.00
KWES2B DIA 7.10 SQ 5.60 3/8" UNC	K11134125164	7.10	5.60
KWES2B DIA 8.00 SQ 6.30 1/8" G(BSP)	K11134126204	8.00	6.30
KWES2B DIA 8.00 SQ 6.30 5/16" UNC	K11134126161	8.00	6.30
KWES2B DIA 8.00 SQ 6.30 7/16" UNC	K11134126162	8.00	6.30
KWES2B DIA 9.00 SQ 7.10 1/2" UNC	K11134127163	9.00	7.10
KWES2B DIA 10.00 SQ 8.00 1/4" G(BSP)	K11134128205	10.00	8.00
KWES2B DIA 10.00 SQ 8.00 3/8" UNC	K11134128164	10.00	8.00
KWES2B DIA 11.20 SQ 9.00 9/16" UNC	K11134129166	11.20	9.00
KWES2B DIA 12.50 SQ 10.00 3/8" G(BSP)	K11134130206	12.50	10.00
KWES2B DIA 12.50 SQ 10.00 5/8" UNC	K11134130168	12.50	10.00
KWES2B DIA 14.00 SQ 11.20 3/4" UNC	K11134131171	14.00	11.20
KWES2B DIA 16.00 SQ 12.50 1/2" G(BSP)	K11134132210	16.00	12.50
KWES2B DIA 16.00 SQ 12.50 7/8" UNC	K11134132174	16.00	12.50
KWES2B DIA 18.00 SQ 14.00 1/2" G(BSP)	K11134133210	18.00	14.00
KWES2B DIA 11.20X9.00 M 14	K11134150114	11.20	9.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES2B Tap Adaptor



As Per (DIN) Standards

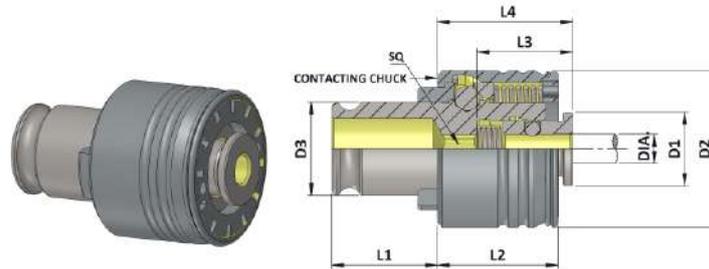
Item Name	Item Code	DIA	Square
KWES2B DIA 6.00 SQ 4.90 M5	K11134146108	6.00	4.90
KWES2B DIA 6.00 SQ 4.90 M6	K11134146109	6.00	4.90
KWES2B DIA 6.00 SQ 4.90 M8	K11134146111	6.00	4.90
KWES2B DIA 7.00 SQ 5.50 M7	K11134147110	7.00	5.50
KWES2B DIA 7.00 SQ 5.50 M9	K11134147142	7.00	5.50
KWES2B DIA 7.00 SQ 5.50 M10	K11134147112	7.00	5.50
KWES2B DIA 8.00 SQ 6.20 M8	K11134148111	8.00	6.20
KWES2B DIA 8.00 SQ 6.20 M10	K11134148112	8.00	6.20
KWES2B DIA 8.00 SQ 6.20 M11	K11134148143	8.00	6.20
KWES2B DIA 9.00 SQ 7.00 M12	K11134149113	9.00	7.00
KWES2B DIA 11.00 SQ 9.00 M14	K11134150114	11.00	9.00
KWES2B DIA 12.00 SQ 9.00 M16	K11134151115	12.00	9.00
KWES2B DIA 14.00 SQ 11.00 M18	K11134152116	14.00	11.00
KWES2B DIA 16.00 SQ 12.00 M20	K11134153117	16.00	12.00
KWES2B DIA 18.00 SQ 14.50 M22	K11134154118	18.00	14.50
KWES2B DIA 18.00 SQ 14.50 M24	K11134154119	18.00	14.50
KWES2B DIA 7.00 SQ 5.50 1/4" UNC	K11134147159	7.00	5.50
KWES2B DIA 7.00 SQ 5.50 1/8" G(BSP)	K11134147204	7.00	5.50
KWES2B DIA 7.00 SQ 5.50 3/8" UNC	K11134147164	7.00	5.50
KWES2B DIA 8.00 SQ 6.20 1/8" (BSPT)	K11134148242	8.00	6.20
KWES2B DIA 8.00 SQ 6.20 5/16" UNC	K11134148161	8.00	6.20
KWES2B DIA 8.00 SQ 6.20 7/16" UNC	K11134148162	8.00	6.20
KWES2B DIA 9.00 SQ 7.00 1/2" UNC	K11134149163	9.00	7.00
KWES2B DIA 9.00 SQ 7.00 3/8" UNC	K11134149164	9.00	7.00
KWES2B DIA 11.00 SQ 9.00 1/4" G(BSP)	K11134150205	11.00	9.00
KWES2B DIA 11.00 SQ 9.00 9/16" UNC	K11134150166	11.00	9.00
KWES2B DIA 12.00 SQ 9.00 3/8" G(BSP)	K11134151206	12.00	9.00
KWES2B DIA 12.00 SQ 9.00 5/8" UNC	K11134151168	12.00	9.00
KWES2B DIA 14.00 SQ 11.00 11/16" UNC	K11134152169	14.00	11.00
KWES2B DIA 14.00 SQ 11.00 Pg11	K11134152257	14.00	11.00
KWES2B DIA 16.00 SQ 12.00 1/2" G(BSP)	K11134153210	16.00	12.00
KWES2B DIA 16.00 SQ 12.00 1/4" G(BSP)	K11134153205	16.00	12.00
KWES2B DIA 16.00 SQ 12.00 13/16" UNC	K11134153172	16.00	12.00
KWES2B DIA 18.00 SQ 14.50 15/16" UNC	K11134154177	18.00	14.50
KWES2B DIA 18.00 SQ 14.50 5/8" G(BSP)	K11134154208	18.00	14.50
KWES2B DIA 18.00 SQ 14.50 7/8" UNC	K11134154174	18.00	14.50

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES2B Tap Adaptor



As Per (JIS) Standards

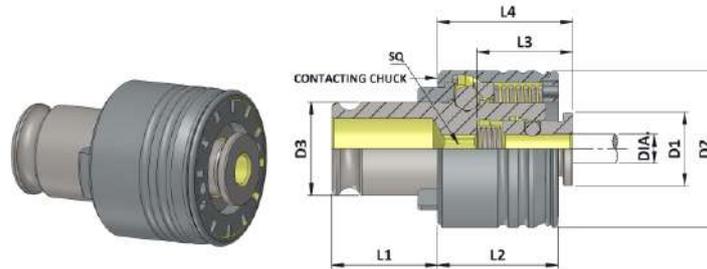
Item Name	Item Code	DIA	Square
KWES2B DIA 6.00 SQ 4.50 M6	K11134165109	6.00	4.50
KWES2B DIA 6.20 SQ 5.00 M7	K11134167110	6.20	5.00
KWES2B DIA 6.20 SQ 5.00 M8	K11134167111	6.20	5.00
KWES2B DIA 7.00 SQ 5.50 M9	K11134147142	7.00	5.50
KWES2B DIA 7.00 SQ 5.50 M10	K11134147112	7.00	5.50
KWES2B DIA 8.00 SQ 6.00 M11	K11134168143	8.00	6.00
KWES2B DIA 8.00 SQ 6.00 1/8" G(BSP)	K11134168204	8.00	6.00
KWES2B DIA 8.00 SQ 6.20 M11	K11134148143	8.00	6.20
KWES2B DIA 8.50 SQ 6.50 M12	K11134170113	8.50	6.50
KWES2B DIA 9.00 SQ 7.00 1/2" UNC	K11134149163	9.00	7.00
KWES2B DIA 10.50 SQ 8.00 M14	K11134172114	10.50	8.00
KWES2B DIA 10.50 SQ 8.00 M15	K11134172144	10.50	8.00
KWES2B DIA 11.00 SQ 9.00 1/4" G(BSP)	K11134150205	11.00	9.00
KWES2B DIA 12.00 SQ 9.00 5/8" UNC	K11134151168	12.00	9.00
KWES2B DIA 12.50 SQ 10.00 M16	K11134130115	12.50	10.00
KWES2B DIA 13.00 SQ 10.00 M17	K11134173145	13.00	10.00
KWES2B DIA 14.00 SQ 11.00 M18	K11134152116	14.00	11.00
KWES2B DIA 15.00 SQ 12.00 M20	K11134174117	15.00	12.00
KWES2B DIA 17.00 SQ 13.00 M22	K11134175118	17.00	13.00
KWES2B DIA 19.00 SQ 15.00 M24	K11134176119	19.00	15.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES2B Tap Adaptor



As Per (ANSI (US) Standards

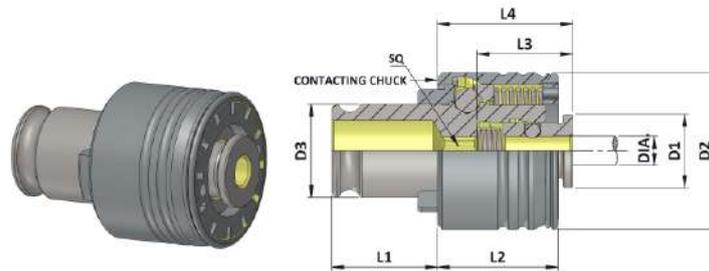
Item Name	Item Code	DIA	Square
KWES2B DIA 0.255" SQ 0.191" 1/4" UNC	K11134200159	0.255"	0.191"
KWES2B DIA 0.312" SQ 0.234" 1/8" PSS	K11134225160	0.312"	0.234"
KWES2B DIA 0.318" SQ 0.238" 5/16" UNC	K11134202161	0.318"	0.238"
KWES2B DIA 0.323" SQ 0.242" 7/16" UNC	K11134193162	0.323"	0.242"
KWES2B DIA 0.367" SQ 0.275" 1/2" UNC	K11134194163	0.367"	0.275"
KWES2B DIA 0.381" SQ 0.286" 3/8" UNC	K11134195164	0.381"	0.286"
KWES2B DIA 0.429" SQ 0.322" 1/4" G(BSP)	K11134196205	0.429"	0.322"
KWES2B DIA 0.429" SQ 0.322" 1/4" NPT	K11134196248	0.429"	0.322"
KWES2B DIA 0.429" SQ 0.322" 9/16" UNC	K11134196166	0.429"	0.322"
KWES2B DIA 0.437" SQ 0.328" 1/8" PLS	K11134197167	0.437"	0.328"
KWES2B DIA 0.480" SQ 0.360" 5/8" UNC	K11134203168	0.480"	0.360"
KWES2B DIA 0.542" SQ 0.406" 11/16" UNC	K11134204169	0.542"	0.406"
KWES2B DIA 0.542" SQ 0.406" 3/8" NPT	K11134259243	0.542"	0.406"
KWES2B DIA 0.562" SQ 0.421" 1/4" P	K11134205170	0.562"	0.421"
KWES2B DIA 0.590" SQ 0.442" 3/4" UNC	K11134206171	0.590"	0.442"
KWES2B DIA 0.590" SQ 0.442" 3/4" UNC TC	K11134206252	0.590"	0.442"
KWES2B DIA 0.652" SQ 0.489" 13/16" UNC	K11134207172	0.652"	0.489"
KWES2B DIA 0.687" SQ 0.515" 1/2" P	K11134208173	0.687"	0.515"
KWES2B DIA 0.687" SQ 0.515" 5/8" G(BSP)	K11134208208	0.687"	0.515"
KWES2B DIA 0.697" SQ 0.523" 7/8" UNC	K11134209174	0.697"	0.523"
KWES2B DIA 0.700" SQ 0.531" 3/8" P	K11134210175	0.700"	0.531"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES3 B Adaptor



KWES3 B Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES3 B	M14 - M33	11 - 28	3	48	72	48	55.5	41	44	45

As Per (ISO) (529 - 1975) Standards

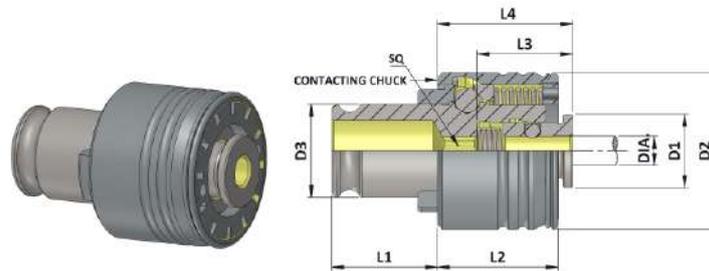
Item Name	Item Code	DIA	Square
KWES3B DIA 11.20 SQ 9.00 M14	K11135129114	11.20	9.00
KWES3B DIA 12.50 SQ 10.00 M16	K11135130115	12.50	10.00
KWES3B DIA 14.00 SQ 11.20 M18	K11135131116	14.00	11.20
KWES3B DIA 14.00 SQ 11.20 M20	K11135131117	14.00	11.20
KWES3B DIA 16.00 SQ 12.50 M22	K11135132118	16.00	12.50
KWES3B DIA 18.00 SQ 14.00 M24	K11135133119	18.00	14.00
KWES3B DIA 20.00 SQ 16.00 M27	K11135134122	20.00	16.00
KWES3B DIA 20.00 SQ 16.00 M30	K11135134123	20.00	16.00
KWES3B DIA 22.40 SQ 18.00 M33	K11135135124	22.40	18.00
KWES3B DIA 25.00 SQ 20.00 M36	K11135136125	25.00	20.00
KWES3B DIA 28.00 SQ 22.40 M39 (FINE PITCH)	K11135137126	28.00	22.40
KWES3B DIA 28.00 SQ 22.40 M42 (FINE PITCH)	K11135137127	28.00	22.40
KWES3B DIA 11.20 SQ 9.00 9/16" UNC	K11135129166	11.20	9.00
KWES3B DIA 12.50 SQ 10.00 5/8" UNC	K11135130168	12.50	10.00
KWES3B DIA 14.00 SQ 11.20 11/16" UNC	K11135131169	14.00	11.20
KWES3B DIA 14.00 SQ 11.20 3/4" UNC	K11135131171	14.00	11.20
KWES3B DIA 16.00 SQ 12.50 7/8" UNC	K11135132174	16.00	12.50
KWES3B DIA 18.00 SQ 14.00 1" UNC	K11135133178	18.00	14.00
KWES3B DIA 20.00 SQ 16.00 1-1/8" UNC	K11135134179	20.00	16.00
KWES3B DIA 22.40 SQ 18.00 1-1/4" UNC	K11135135181	22.40	18.00
KWES3B DIA 25.00 SQ 20.00 1-3/8" UNC	K11135136182	25.00	20.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES3 B Adaptor



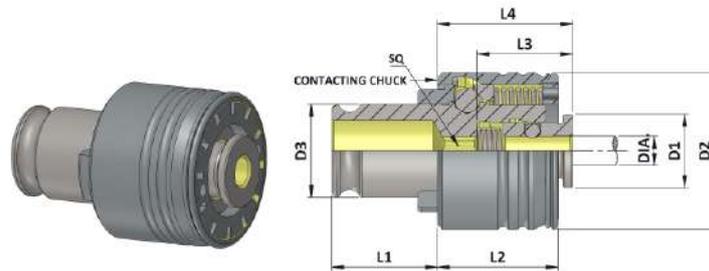
As Per (DIN) Standards			
Item Name	Item Code	DIA	Square
KWES3B DIA 11.00 SQ 9.00 M14	K11135150114	11.00	9.00
KWES3B DIA 12.00 SQ 9.00 M16	K11135151115	12.00	9.00
KWES3B DIA 14.00 SQ 11.00 M18	K11135152116	14.00	11.00
KWES3B DIA 16.00 SQ 12.00 M20	K11135153117	16.00	12.00
KWES3B DIA 18.00 SQ 14.50 M22	K11135154118	18.00	14.50
KWES3B DIA 18.00 SQ 14.50 M24	K11135154119	18.00	14.50
KWES3B DIA 20.00 SQ 16.00 M27	K11135134122	20.00	16.00
KWES3B DIA 22.00 SQ 18.00 M30	K11135155123	22.00	18.00
KWES3B DIA 25.00 SQ 20.00 M33	K11135136124	25.00	20.00
KWES3B DIA 28.00 SQ 22.00 M36	K11135156125	28.00	22.00
KWES3B DIA 11.00 SQ 9.00 1/4" BSPT	K11135150255	11.00	9.00
KWES3B DIA 11.00 SQ 9.00 3/8" BSPT	K11135150256	11.00	9.00
KWES3B DIA 11.00 SQ 9.00 9/16" UNC	K11135150166	11.00	9.00
KWES3B DIA 12.00 SQ 9.00 3/8" BSPT	K11135151256	12.00	9.00
KWES3B DIA 12.00 SQ 9.00 5/8" UNC	K11135151168	12.00	9.00
KWES3B DIA 14.00 SQ 11.00 11/16" UNC	K11135152169	14.00	11.00
KWES3B DIA 16.00 SQ 12.00 1/2" G(BSP)	K11135153210	16.00	12.00
KWES3B DIA 16.00 SQ 12.00 13/16" UNC	K11135153172	16.00	12.00
KWES3B DIA 18.00 SQ 14.50 15/16" UNC	K11135154177	18.00	14.50
KWES3B DIA 18.00 SQ 14.50 5/8" G(BSP)	K11135154208	18.00	14.50
KWES3B DIA 18.00 SQ 14.50 7/8" UNC	K11135154174	18.00	14.50
KWES3B DIA 20.00 SQ 16.00 1" UNC	K11135134178	20.00	16.00
KWES3B DIA 20.00 SQ 16.00 3/4" G(BSP)	K11135134209	20.00	16.00
KWES3B DIA 22.00 SQ 18.00 1-1/8" UNC	K11135155179	22.00	18.00
KWES3B DIA 22.00 SQ 18.00 7/8" G(BSP)	K11135155211	22.00	18.00
KWES3B DIA 25.00 SQ 20.00 1" G(BSP)	K11135136212	25.00	20.00
KWES3B DIA 25.00 SQ 20.00 1-1/4" UNC	K11135136181	25.00	20.00
KWES3B DIA 28.00 SQ 22.00 1-1/8" G(BSP)	K11135156213	28.00	22.00
KWES3B DIA 28.00 SQ 22.00 1-3/8" UNC	K11135156182	28.00	22.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES3 B Adaptor



As Per (JIS) Standards

Item Name	Item Code	DIA	Square
KWES3B DIA 12.50 SQ 10.00 M16	K11135130115	12.50	10.00
KWES3B DIA 13.00 SQ 10.00 M17	K11135173145	13.00	10.00
KWES3B DIA 14.00 SQ 11.00 M18	K11135152116	14.00	11.00
KWES3B DIA 15.00 SQ 12.00 M20	K11135174117	15.00	12.00
KWES3B DIA 17.00 SQ 13.00 M22	K11135175118	17.00	13.00
KWES3B DIA 19.00 SQ 15.00 M24	K11135176119	19.00	15.00
KWES3B DIA 19.00 SQ 15.00 M25	K11135176147	19.00	15.00
KWES3B DIA 20.00 SQ 15.00 M26	K11135177148	20.00	15.00
KWES3B DIA 20.00 SQ 15.00 M27	K11135177122	20.00	15.00
KWES3B DIA 21.00 SQ 17.00 M28	K11135178149	21.00	17.00
KWES3B DIA 23.00 SQ 17.00 M30	K11135180123	23.00	17.00
KWES3B DIA 24.00 SQ 19.00 M32	K11135181150	24.00	19.00
KWES3B DIA 25.00 SQ 19.00 M33	K11135186124	25.00	19.00
KWES3B DIA 26.00 SQ 21.00 M34	K11135182151	26.00	21.00
KWES3B DIA 26.00 SQ 21.00 M35	K11135182152	26.00	21.00
KWES3B DIA 28.00 SQ 21.00 M36	K11135187125	28.00	21.00
KWES3B DIA 28.00 SQ 21.00 M38	K11135187153	28.00	21.00
KWES3B DIA 30.00 SQ 23.00 M39	K11135183138	30.00	23.00
KWES3B DIA 30.00 SQ 23.00 M40	K11135183154	30.00	23.00
KWES3B DIA 11.00 SQ 9.00 1/4" BSPT	K11135150255	11.00	9.00
KWES3B DIA 12.00 SQ 9.00 5/8" UNC	K11135151168	12.00	9.00

As Per (ANSI (US))Standards

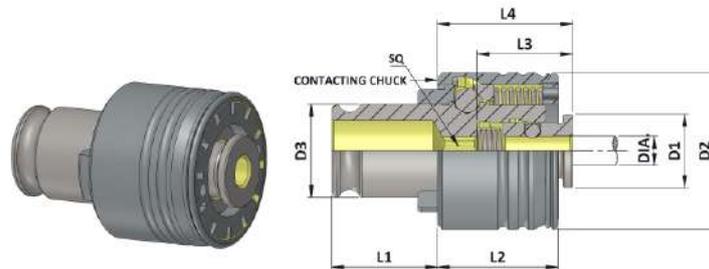
KWES3B DIA 0.652" SQ 0.489" 13/16" UNC	K11135207176	0.652"	0.489"
KWES3B DIA 0.687" SQ 0.515" 1/2" G(BSP)	K11135208210	0.687"	0.515"
KWES3B DIA 0.687" SQ 0.515" 1/2" P	K11135208173	0.687"	0.515"
KWES3B DIA 0.697" SQ 0.523" 7/8" UNC	K11135209174	0.697"	0.523"
KWES3B DIA 0.700" SQ 0.531" 3/8" P	K11135210175	0.700"	0.531"
KWES3B DIA 0.760" SQ 0.570" 15/16" UNC	K11135211177	0.760"	0.570"
KWES3B DIA 0.800" SQ 0.600" 1" UNC	K11135212178	0.800"	0.600"
KWES3B DIA 0.896" SQ 0.672" 1-1/8" UNC	K11135213179	0.896"	0.672"
KWES3B DIA 0.906" SQ 0.679" 3/4" P	K11135214180	0.906"	0.679"
KWES3B DIA 1.021" SQ 0.766" 1-1/4" UNC	K11135215181	1.021"	0.766"
KWES3B DIA 1.108" SQ 0.831" 1-3/8" UNC	K11135216182	1.108"	0.831"
KWES3B DIA 1.125" SQ 0.843" 1" P	K11135217183	1.125"	0.843"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES4 B Adaptor



KWES4 B Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	D3	L1	L2	L3	L4
KWES4 B	M22 - M48	18 - 36	4	60	95	60	63	61	71	68

As Per (ISO) (529 - 1975) Standards

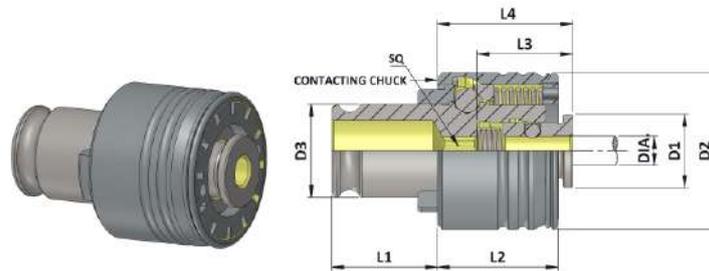
Item Name	Item Code	DIA	Square
KWES4B DIA 16.00 SQ 12.50 M22	K11136132118	16.00	12.50
KWES4B DIA 18.00 SQ 14.00 M24	K11136133119	18.00	14.00
KWES4B DIA 20.00 SQ 16.00 M27	K11136134122	20.00	16.00
KWES4B DIA 20.00 SQ 16.00 M30	K11136134123	20.00	16.00
KWES4B DIA 22.40 SQ 18.00 M33	K11136135124	22.40	18.00
KWES4B DIA 25.00 SQ 20.00 M36	K11136136125	25.00	20.00
KWES4B DIA 28.00 SQ 22.40 M39	K11136137138	28.00	22.40
KWES4B DIA 28.00 SQ 22.40 M42	K11136137129	28.00	22.40
KWES4B DIA 31.50 SQ 25.00 M45	K11136138130	31.50	25.00
KWES4B DIA 31.50 SQ 25.00 M48	K11136138131	31.50	25.00
KWES4B DIA 35.50 SQ 28.00 M52 (FINE PITCH)	K11136139132	35.50	28.00
KWES4B DIA 35.50 SQ 28.00 M56 (FINE PITCH)	K11136139133	35.50	28.00
KWES4B DIA 16.00 SQ 12.50 7/8" UNC	K11136132174	16.00	12.50
KWES4B DIA 18.00 SQ 14.00 1" UNC	K11136133178	18.00	14.00
KWES4B DIA 20.00 SQ 16.00 1-1/8" UNC	K11136134179	20.00	16.00
KWES4B DIA 22.40 SQ 18.00 1-1/4" UNC	K11136135181	22.40	18.00
KWES4B DIA 25.00 SQ 20.00 1-3/8" UNC	K11136136182	25.00	20.00
KWES4B DIA 28.00 SQ 22.40 1-1/2" UNC	K11136137184	28.00	22.40
KWES4B DIA 31.50 SQ 25.00 1-3/4" UNC	K11136138186	31.50	25.00
KWES4B DIA 35.50 SQ 28.00 2" UNC	K11136139198	35.50	28.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES4 B Adaptor



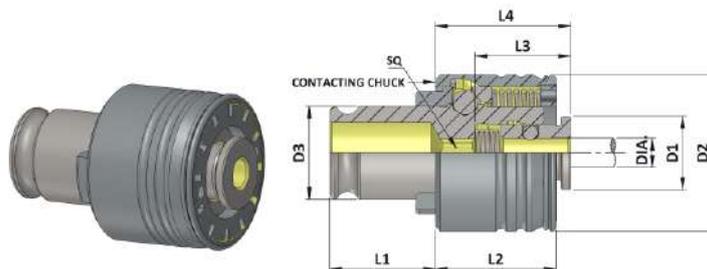
As Per (DIN) Standards			
Item Name	Item Code	DIA	Square
KWES4B DIA 18.00 SQ 14.50 M22	K11136154118	18.00	14.50
KWES4B DIA 18.00 SQ 14.50 M24	K11136154119	18.00	14.50
KWES4B DIA 20.00 SQ 16.00 M27	K11136134122	20.00	16.00
KWES4B DIA 22.00 SQ 18.00 M30	K11136155123	22.00	18.00
KWES4B DIA 25.00 SQ 20.00 M33	K11136136124	25.00	20.00
KWES4B DIA 28.00 SQ 22.00 M36	K11136156125	28.00	22.00
KWES4B DIA 32.00 SQ 24.00 M39	K11136157138	32.00	24.00
KWES4B DIA 32.00 SQ 24.00 M42	K11136157129	32.00	24.00
KWES4B DIA 32.00 SQ 24.00 M45	K11136157130	32.00	24.00
KWES4B DIA 36.00 SQ 29.00 M45	K11136158130	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 M48	K11136158131	36.00	29.00
KWES4B DIA 18.00 SQ 14.50 1/2" NPT	K11136154253	18.00	14.50
KWES4B DIA 18.00 SQ 14.50 15/16" UNC	K11136154177	18.00	14.50
KWES4B DIA 18.00 SQ 14.50 3/8 " NPT	K11136154243	18.00	14.50
KWES4B DIA 18.00 SQ 14.50 5/8" G(BSP)	K11136154208	18.00	14.50
KWES4B DIA 18.00 SQ 14.50 7/8" UNC	K11136154174	18.00	14.50
KWES4B DIA 20.00 SQ 16.00 1" UNC	K11136134178	20.00	16.00
KWES4B DIA 20.00 SQ 16.00 3/4" G(BSP)	K11136134209	20.00	16.00
KWES4B DIA 22.00 SQ 18.00 1-1/8" UNC	K11136155179	22.00	18.00
KWES4B DIA 22.00 SQ 18.00 7/8" G(BSP)	K11136155211	22.00	18.00
KWES4B DIA 25.00 SQ 20.00 1" G(BSP)	K11136136212	25.00	20.00
KWES4B DIA 25.00 SQ 20.00 1-1/4" UNC	K11136136181	25.00	20.00
KWES4B DIA 28.00 SQ 22.00 1-1/8" G(BSP)	K11136156213	28.00	22.00
KWES4B DIA 28.00 SQ 22.00 1-3/8" UNC	K11136156182	28.00	22.00
KWES4B DIA 32.00 SQ 24.00 1-1/2" UNC	K11136157184	32.00	24.00
KWES4B DIA 32.00 SQ 24.00 1-1/4" G(BSP)	K11136157214	32.00	24.00
KWES4B DIA 32.00 SQ 24.00 1-5/8" UNC	K11136157219	32.00	24.00
KWES4B DIA 36.00 SQ 29.00 1-1/2" G(BSP)	K11136158216	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 1-3/4" G(BSP)	K11136158217	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 1-3/4" UNC	K11136158186	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 1-3/8" G(BSP)	K11136158215	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 1-7/8" UNC	K11136158220	36.00	29.00
KWES4B DIA 36.00 SQ 29.00 2" G(BSP)	K11136158218	36.00	29.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWES-B) (With Safety Clutch)



KWES4 B Adaptor

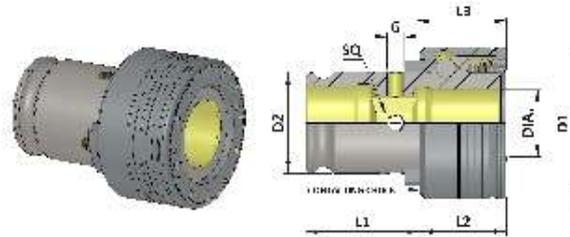


As Per (JIS) Standards			
Item Name	Item Code	DIA	Square
KWES4B DIA 17.00 SQ 13.00 M22	K11136175118	17.00	13.00
KWES4B DIA 19.00 SQ 15.00 M24	K11136176119	19.00	15.00
KWES4B DIA 19.00 SQ 15.00 M25	K11136176147	19.00	15.00
KWES4B DIA 20.00 SQ 15.00 M26	K11136177148	20.00	15.00
KWES4B DIA 20.00 SQ 15.00 M27	K11136177122	20.00	15.00
KWES4B DIA 21.00 SQ 17.00 M28	K11136178149	21.00	17.00
KWES4B DIA 23.00 SQ 17.00 M30	K11136180123	23.00	17.00
KWES4B DIA 24.00 SQ 19.00 M32	K11136181150	24.00	19.00
KWES4B DIA 25.00 SQ 19.00 M33	K11136186124	25.00	19.00
KWES4B DIA 26.00 SQ 21.00 M34	K11136182151	26.00	21.00
KWES4B DIA 26.00 SQ 21.00 M35	K11136182152	26.00	21.00
KWES4B DIA 28.00 SQ 21.00 M36	K11136187125	28.00	21.00
KWES4B DIA 28.00 SQ 21.00 M38	K11136187153	28.00	21.00
KWES4B DIA 30.00 SQ 23.00 M39	K11136183138	30.00	23.00
KWES4B DIA 30.00 SQ 23.00 M40	K11136183154	30.00	23.00
KWES4B DIA 32.00 SQ 26.00 M42	K11136184129	32.00	26.00
KWES4B DIA 35.00 SQ 26.00 M45	K11136185130	35.00	26.00
KWES4B DIA 38.00 SQ 29.00 M48	K11136188131	38.00	29.00

As Per (ANSI (US) Standards			
Item Name	Item Code	DIA	Square
KWES4B DIA 0.800" SQ 0.600" 1" UNC	K11136212178	0.800"	0.600"
KWES4B DIA 0.896" SQ 0.672" 1-1/8" UNC	K11136213179	0.896"	0.672"
KWES4B DIA 0.906" SQ 0.679" 3/4" P	K11136214180	0.906"	0.679"
KWES4B DIA 1.021" SQ 0.766" 1-1/4" UNC	K11136215181	1.021"	0.766"
KWES4B DIA 1.108" SQ 0.831" 1-3/8" UNC	K11136216182	1.108"	0.831"
KWES4B DIA 1.125" SQ 0.843" 1" P	K11136217183	1.125"	0.843"
KWES4B DIA 1.233" SQ 0.925" 1-1/2" UNC	K11136218184	1.233"	0.925"
KWES4B DIA 1.312" SQ 0.984" 1-1/4" P	K11136219185	1.312"	0.984"
KWES4B DIA 1.430" SQ 1.072" 1-3/4" UNC	K11136221186	1.430"	1.072"
KWES4B DIA 1.500" SQ 1.125" 1-1/2" P	K11136222187	1.500"	1.125"

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWESK..B) (With Safety Clutch)



KWESK1B Tap Adaptor - Technical Information

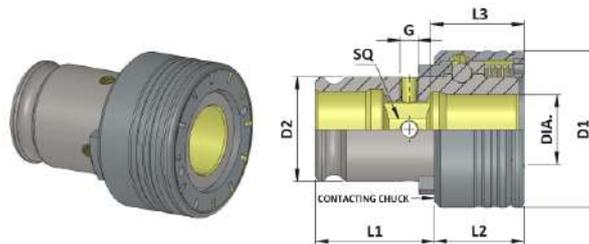
Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	L1	L2	L3
KWESK 1B	M16	>11.2-12	1.00	32	19	21.5	25	27.5
KWESK 2B	M27 - M30	>18-22	2.00	50	31	35	31	32.5
KWESK 3B	M39 - M48	>28-36	3.00	75	48	55.5	41	40
KWESK 4B	M52 - M60	>36-45	4.00	95	60	63	61	54

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWESK..B) (With Safety Clutch)



KWESK1B Tap Adaptor

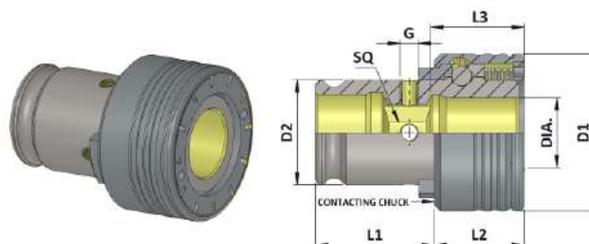


KWESK1B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	L1	L2	L3
KWESK1B	M16	>11.2 - 12	1	32	19	21.5	25	27.5

Item Name	Item Code	DIA	Square
KWESK1B DIA 12.00 SQ 9.00 3/8" G(BSP)	K11232151206	12.00	9.00
KWESK1B DIA 12.00 SQ 9.00 M16 (FINE PITCH)	K11232151115	12.00	9.00

KWESK2B Tap Adaptor



KWESK2B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	L1	L2	L3
KWESK2B	M27 - M30	>18 - 22	2	50	31	35	31	32.5

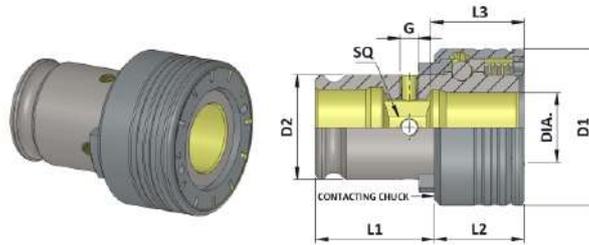
Item Name	Item Code	DIA	Square
KWESK2B DIA 19.00 SQ 15.00 M25 (FINE PITCH)	K11134176146	19.00	15.00
KWESK2B DIA 20.00 SQ 15.00 M26 (FINE PITCH)	K11134177195	20.00	15.00
KWESK2B DIA 20.00 SQ 15.00 M27 (FINE PITCH)	K11134177120	20.00	15.00
KWESK2B DIA 20.00 SQ 16.00 3/4" G(BSP)	K11231134209	20.00	16.00
KWESK2B DIA 20.00 SQ 16.00 M27 (FINE PITCH)	K11134134120	20.00	16.00
KWESK2B DIA 20.00 SQ 16.00 M30 (FINE PITCH)	K11134134121	20.00	16.00
KWESK2B DIA 22.00 SQ 18.00 M30 (FINE PITCH)	K11231155123	22.00	18.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWESK..B) (With Safety Clutch)



KWESK3B Tap Adaptor



KWESK3B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	L1	L2	L3
KWESK3B	M39 - M48	>28 - 36	3	72	48	55.5	41	40

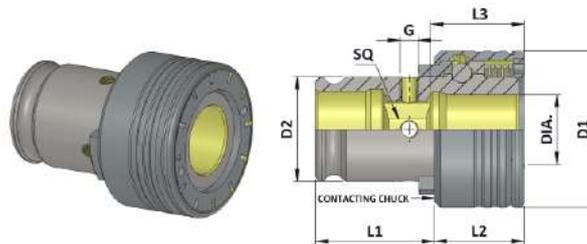
Item Name	Item Code	DIA	Square
KWESK3B DIA 31.50 SQ 25.00 M36	K11135138125	31.50	25.00
KWESK3B DIA 31.50 SQ 25.00 M44 (FINE PITCH)	K11135138128	31.50	25.00
KWESK3B DIA 31.50 SQ 25.00 M48 (FINE PITCH)	K11135138140	31.50	25.00
KWESK3B DIA 32.00 SQ 24.00 1-1/4" G(BSP)	K11135157214	32.00	24.00
KWESK3B DIA 32.00 SQ 24.00 M39	K11135157138	32.00	24.00
KWESK3B DIA 32.00 SQ 24.00 M42	K11240157129	32.00	24.00
KWESK3B DIA 32.00 SQ 26.00 M42 (FINE PITCH)	K11240157129	32.00	26.00
KWESK3B DIA 35.00 SQ 26.00 M45 (FINE PITCH)	K11135185139	35.00	26.00
KWESK3B DIA 36.00 SQ 29.00 1-1/2" G(BSP)	K11135158216	36.00	29.00
KWESK3B DIA 36.00 SQ 29.00 1-3/4" G(BSP)	K11135158217	36.00	29.00
KWESK3B DIA 36.00 SQ 29.00 1-3/8" G(BSP)	K11135158215	36.00	29.00
KWESK3B DIA 36.00 SQ 29.00 2" G(BSP)	K11135158218	36.00	29.00
KWESK3B DIA 36.00 SQ 29.00 M45 (FINE PITCH)	K11135158139	36.00	29.00
KWESK3B DIA 36.00 SQ 29.00 M48 (FINE PITCH)	K11135158140	36.00	29.00
KWESK3B DIA 38.00 SQ 29.00 M48 (FINE PITCH)	K11135188140	38.00	29.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor (KWESK..B) (With Safety Clutch)



KWESK4B Tap Adaptor



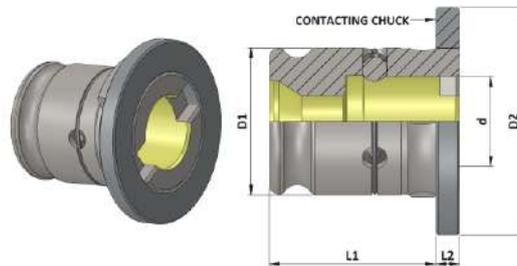
KWESK4B Tap Adaptor - Technical Information

Item Name	Capacity	Shank Dia	Suitable Chuck Size	D1	D2	L1	L2	L3
KWESK4B	M52 - M60	>36 - 45	4	95	60	63	61	54

Item Name	Item Code	DIA	Square
KWESK4B DIA 40.00 SQ 31.50 2-1/2" UNC	K11136220200	40.00	31.50
KWESK4B DIA 40.00 SQ 31.50 2-1/4" UNC	K11136220199	40.00	31.50
KWESK4B DIA 40.00 SQ 31.50 M60 (FINE PITCH)	K11136220134	40.00	31.50
KWESK4B DIA 40.00 SQ 32.00 1-7/8" UNC	K11136160220	40.00	32.00
KWESK4B DIA 40.00 SQ 32.00 2" UNC	K11136160198	40.00	32.00
KWESK4B DIA 40.00 SQ 32.00 2-1/4" G(BSP)	K11136160221	40.00	32.00
KWESK4B DIA 40.00 SQ 32.00 M52 (FINE PITCH)	K11136160132	40.00	32.00
KWESK4B DIA 40.00 SQ 32.00 M56 (FINE PITCH)	K11230160232	40.00	32.00
KWESK4B DIA 45.00 SQ 35.00 2-1/2" G(BSP)	K11136161222	45.00	35.00
KWESK4B DIA 45.00 SQ 35.00 2-1/4" UNC	K11136161199	45.00	35.00
KWESK4B DIA 45.00 SQ 35.00 M56 (FINE PITCH)	K11136161133	45.00	35.00
KWESK4B DIA 45.00 SQ 35.00 M60 (FINE PITCH)	K11136161134	45.00	35.00

Note: All Dimensions are in mm

Quick Change Tap Adaptor Reduction Socket (KWRE)



Reduction Socket (KWRE)								
Item Name	Item Code	Suitable Chuck Size	Adaptor Size	d	D1	D2	L1	L2
KWRE 1/0	K11219254193	1	0	13	19	30	21.5	4
KWRE 2/1	K11219249193	2	1	19	31	48	35	5
KWRE 3/1	K11219250193	3	1	19	48	70	55.5	6
KWRE 3/2	K11219251193	3	2	31	48	70	55.5	6
KWRE 4/2	K11219252193	4	2	31	60	92	63	13
KWRE 4/3	K11219253193	4	3	48	60	92	63	13

Note: All Dimensions are in mm



Tap Shank Dimension ISO 529 -1975												
Dimension Dia.x Square	Metric		UNC		UNF		BSW		BSF		BA	
		Shank Dia. Enlarged		Shank Dia.		Shank Dia. Enlarged		Shank Dia. Enlarged		Shank Dia. Enlarged		Shank Dia. Enlarged
3.15 x 2.5	M4	M3	-	N0. 4-40	-	N0. 4-48	-	-	-	-	-	N0. 5
	-	-	N0. 8-32	N0. 5-40	N0. 8-36	N0. 5-44	-	-	-	-	N0. 3	-
3.55 x 2.8	M4.5	M3.5	N0. 10-24	N0. 6-32	N0. 10-32	N0. 6-40	3/16"-24	-	3/16"-32	-	N0. 2	N0. 4
4 x 3.15	M5	M4	N0. 12-24	-	N0. 12-28	-	-	-	7/32"-28	-	N0. 1	-
4.5 x 3.55	M6	-	1/4"-20	N0. 8-32	1/4"-28	N0.3-36	1/4"-20	-	1/4"-26	-	N0. 0	N0. 3
5 x 4	-	M5	-	N0. 10-24	-	N0.10-32	-	3/16"-24	-	3/16"-32	-	N0. 2
5.6 x 4.5	-	-	-	N0. 12-24	-	N0.12-28	-	-	9/32"-26	7/32"-28	-	N0. 1
6.3 x 5	M8	M6	5/16"-18	1/4"-20	5/16"-24	1/4"-28	5/16"-18	1/4"-20	5/16"-22	1/4"-26	-	N0. 0
7.1 x 5.6	-	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	9/32"-36	-	-
8 x 6.3	M10	M8	7/16"-14	5/16"-18	7/16"-20	-	7/16"-14	5/16"-18	7/16"-18	5/16"-22	-	-
9 x 7.1	M12	-	1/2"-13	-	1/2"-20	-	1/2"-12	-	1/2"-12	-	-	-
10 x 8	-	M10	-	3/8"-16	-	3/8"-24	-	3/8"-16	-	3/8"-20	-	-
11.2 x 9	M14	-	9/16"-12	-	9/16"-18	-	9/16"-12	-	9/16"-16	-	-	-
12.5 x 10	M16	-	5/8"-11	-	5/8"-18	-	5/8"-11	-	3/8"-14	-	-	-
14 x 11.2	M18	-	3/4"-10	-	3/4"-16	-	11/16"-11	-	11/16"-14	-	-	-
	M20	-	-	-	-	-	3/4"-10	-	3/4"-12	-	-	-
16 x 12.5	M22	-	7/8"-9	-	7/8"-14	-	7/8"-9	-	7/8"-11	-	-	-
18 x 14	M24	-	1"-8	-	1"-12	-	1"-8	-	1"-10	-	-	-
20 x 16	M27	-	1 1/8"-7	-	1 1/8"-12	-	1 1/8"-7	-	1 1/8"-9	-	-	-
	M30	-	-	-	-	-	-	-	-	-	-	-
22.4 x 18	M33	-	1 1/4"-4	-	1 1/4"-12	-	1 1/4"-7	-	1 1/4"-9	-	-	-
25 x 20	M36	-	1 3/8"-6	-	1 3/8"-12	-	-	-	1 3/8"-8	-	-	-
28 x 22.4	M39	-	1 1/2"-6	-	1 1/2"-12	-	1 1/2"-6	-	1 1/2"-8	-	-	-
	M42	-	-	-	-	-	-	-	1 5/8"-8	-	-	-
31.5 x 25	M45	-	1 3/4"-5	-	-	-	1 3/4"-5	-	1 3/4"-7	-	-	-
	M48	-	-	-	-	-	-	-	-	-	-	-

Note: All Dimensions are in mm



Tap Shank Dimension DIN Standards							
Dimension Dia. x Square	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183
3.5 x 2.7	M 3	-	M 3	M 5	M 5	1/8"	-
4 x 3	M 4	-	M 3.5	-	-	-	-
4.5 x 3.4	M 4	-	M 4	M 6	M 6	5/32"	1/4"
6 x 4.9	M 5	-	M 5	-	-	7/32"	-
	M 6	-	M 6	-	-	-	-
	M 8	-	-	M 8	M 8	-	-
7 x 5.5	M 10	G 1/8"	-	M 10	M 10	1/4"	3/8"
8 x 6.2	-	-	M 8	-	-	5/16"	7/16"
9 x 7	M 12	-	-	M 12	M 12	3/8"	1/2"
10 x 8	-	-	M 10	-	-	-	-
11 x 9	M 14	G 1/4"	-	M 14	M 14	-	9/16"
12 x 9	M 16	G 3/8"	-	M 16	M 16	-	5/8"
14 x 11	M 18	-	-	M 18	M 18	-	11/16"
16 x 12	M 20	G 1/2"	-	M 20	M 20	-	13/16"
18 x 14.5	M 22	G 5/8"	-	M 22	M 22	-	7/8"
	M 24	-	-	M 24	M 24	-	15/16"
20 x 16	M 27	G 3/4"	-	M 27	M 27	-	1"
22 x 18	M 30	G 7/8"	-	M 30	M 30	-	1 1/8"
25 x 20	M 33	G 1"	-	M 33	M 33	-	1 1/4"
28 x 22	M 36	G 1 1/8"	-	M 36	M 36	-	1 3/8"
32 x 24	M 39	G 1 1/8"	-	M 39	M 39	-	1 1/2"
	M 42	-	-	M 42	M 42	-	1 5/8"
36 x 29	M 45	G 3/8"	-	M 45	M 45	-	1 3/4"
	M 48	G 1 1/2"	-	M 48	M 48	-	1 7/8"
	-	G 1 3/4"	-	-	-	-	-
	-	G 2"	-	-	-	-	-

Note: All Dimensions are in mm



Tap Shank Dimension (JIS Standards)	
Dimension in mm Dia x Square	Tap Size
3.00 x 2.50	M 1, M 2.6
4.00 x 3.00	M 3, M 3.5
4.00 x 3.20	M 3, M 3.5
5.00 x 4.00	M 4, M 4.5
5.50 x 4.50	M 5, M 5.5
6.00 x 4.50	M 6, 1/4" UNC
6.10 x 5.00	5/16" UNC
6.20 x 5.00	M 7, M 8
7.00 x 5.50	M 9, M 10, 3/8" UNC
8.00 x 6.00	M 11, 7/16" UNC, 1/8" P
8.00 x 6.20	M 11, 1/8" BSP
8.50 x 6.50	M 12
9.00 x 7.00	1/2" UNC
9.50 x 7.00	M 13
10.50 x 8.00	M 14, M 15, 9/16" UNC
11.00 x 9.00	1/4" P
12.00 x 9.00	5/8" UNC
12.50 x 10.00	M 16
13.00 x 10.00	M 17
14.00 x 11.00	M 18, 3/4" UNC, 3/8" P
15.00 x 12.00	M 20
17.00 x 13.00	M 22, 7/8" UNC
18.00 x 14.00	1/2" P
19.00 x 15.00	M 24, M 25, 5/8" P
20.00 x 15.00	M 26, M 27, 1" UNC
21.00 x 17.00	M 28
22.00 x 17.00	1 1/8" UNC
23.00 x 17.00	M 30, 3/4" P
24.00 x 19.00	M 32, 7/8" UNC
25.00 x 19.00	M 33
26.00 x 21.00	M 34, M 35, 1" P
28.00 x 21.00	M 36, M 38, 1 1/8" P
30.00 x 23.00	M 39, M 40
32.00 x 26.00	M 42, 1 1/4" P
35.00 x 26.00	M 45, 1 3/8" P
38.00 x 29.00	M 48, 1 1/2" P
40.00 x 32.00	M 52, M 56 & 1 7/8" UNC, 2" UNC

Tap Shank Dimension ANSI (US Standards)				
Dimension in Inch. Dia x Square		Metric Conversions Dia x Square		Tap Size
0.141	0.110	3.59	2.80	1/8", No.6
0.168	0.131	4.27	3.33	5/32", No.8
0.194	0.152	4.93	3.87	3/16", No.10
0.220	0.165	5.59	4.20	No.12
0.255	0.191	6.48	4.86	1/4", No.14
0.313	0.234	7.94	5.95	1/16" Ps, 1/8" Pss
0.318	0.238	8.08	6.05	5/16", 3/8"
0.323	0.242	8.21	6.15	5/16", 7/16"
0.367	0.275	9.33	6.99	1/2"
0.381	0.286	9.68	7.27	3/8"
0.429	0.322	10.90	8.18	9/16"
0.438	0.328	11.12	8.34	1/8" PLs
0.480	0.360	12.20	9.15	5/8"
0.542	0.406	13.77	10.31	11/16"
0.563	0.421	14.29	10.70	1/4" Ps
0.590	0.442	14.99	11.23	3/4"
0.652	0.489	16.57	12.43	M 20, 13/16"
0.688	0.515	17.47	13.09	1/2" Ps
0.697	0.523	17.71	13.29	7/8"
0.700	0.531	17.78	13.49	3/8" Ps
0.760	0.570	19.31	14.48	M 24, 15/16"
0.800	0.600	20.32	15.24	1"
0.896	0.672	22.76	17.07	1 1/8"
0.906	0.679	23.02	17.25	3/4" P
1.021	0.766	25.94	19.46	1 1/4"
1.108	0.831	28.15	21.11	1 3/8"
1.125	0.843	28.58	21.42	1" P
1.233	0.925	31.32	23.50	1 1/2"
1.313	0.984	33.34	25.00	1 1/4" P
1.430	1.072	36.33	27.23	1 3/4"
1.500	1.125	38.10	28.58	1 1/2" P
1.644	1.233	41.76	31.32	2"

Note: All Dimensions are in mm

Recommended Torque Values For Safety Clutch adjustment For Tapping & Cold Forming (Rolling)



For Material Upto 1000 N/mm ²											
Torque Settings Nm	Threads										Torque Settings Nm
	Metric	Whitworth BSW	BSP Whitworth Pipe	BSF	BSP Taper	BA	PG	NPT Taper	UNC	UNF	
0.5	M3	-	-	-	-	No. 7	-	-	-	-	0.5
0.6	-	-	-	-	-	No. 6	-	-	No.3	No.4	0.6
0.8	M3.5	-	-	-	-	No. 5	-	-	No.4	No.5	0.8
1.0	-	1/8"	-	-	-	-	-	-	No.5	-	1.0
1.2	-	-	-	-	-	No. 4	-	-	-	No.6	1.2
1.6	M4	-	-	-	-	-	-	-	No.6	No.8	1.6
2.0	-	5/32"	-	-	-	No. 3	-	-	No.8	-	2.0
2.5	M5	-	-	3/16"	-	No. 2	-	-	-	No.10	2.5
3.0	-	-	-	-	-	-	-	-	-	No.12	3.0
4.0	-	3/16"	-	7/32"	-	No. 1	-	-	No.10	1/4"	4.0
5.0	M6	7/32"	-	1/4"	-	No. 0	-	-	No.12	-	5.0
6.0	-	-	G 1/8"	9/32"	-	-	-	-	-	5/16"	6.0
8.0	-	1/4"	-	5/16"	-	-	-	-	1/4"	3/8"	8.0
10	M8	-	-	-	-	-	-	-	-	-	10
12	-	5/16"	-	3/8"	-	-	PG 7	-	5/16"	7/16"	12
16	-	-	-	-	-	-	-	-	-	1/2"	16
18	M10	3/8"	G 1/4"	7/16"	1/8"	-	-	-	3/8"	-	18
20	-	-	-	-	-	-	PG 9	1/8"	-	-	20
22	-	-	-	-	-	-	PG 11	-	-	9/16"	22
25	-	-	-	1/2"	-	-	PG 13.5	-	-	5/8"	25
28	M12	7/16"	G 3/8"	-	-	-	PG 16	-	7/16"	-	28
32	-	-	-	9/16"	-	-	-	-	-	-	32
36	-	-	-	-	-	-	-	-	-	3/4"	36
40	-	-	-	5/8"	-	-	-	-	1/2"	-	40
45	M14	1/2"	-	11/16"	-	-	PG 21	-	-	-	45
50	M16	-	G 1/2"	-	1/4"	-	-	-	9/16"	-	50
56	-	-	G 5/8"	-	-	-	-	1/4"	-	7/8"	56
63	-	5/8"	-	-	3/8"	-	PG 29	-	5/8"	-	63
70	-	-	G 3/4"	3/4"	-	-	-	3/8"	-	-	70
80	M18	-	G 7/8"	13/16"	-	-	PG 36	-	-	-	80
90	M20	3/4"	-	7/8"	-	-	PG 42	-	3/4"	1"	90
100	M22	-	-	-	-	-	PG 48	-	-	1 1/8"	100
110	-	-	-	-	-	-	-	-	-	1 1/4"	110
125	-	7/8"	-	1"	-	-	-	-	7/8"	1 3/8"	125
140	-	-	G 1"	-	-	-	-	-	-	1 1/2"	140
160	M24	-	G 1 1/8"	-	1/2"	-	-	1/2"	-	-	160
180	M27	-	G 1 1/4"	1 1/8"	-	-	-	-	-	-	180
200	-	1"	G 1 3/8"	1 1/4"	3/4"	-	-	3/4"	1"	-	200

Note: All Dimensions are in mm

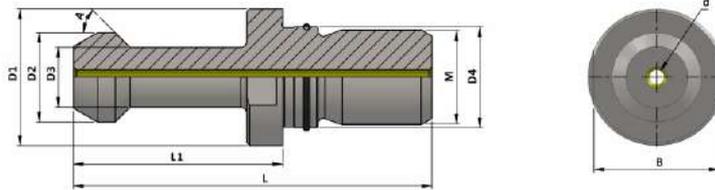
Recommended Torque Values For Safety Clutch adjustment For Tapping & Cold Forming (Rolling)



For Material Upto 1000 N/mm ²											
Torque Settings Nm	Threads										Torque Settings Nm
	Metric	Whitworth BSW	BSP Whitworth Pipe	BSF	BSP Taper	BA	PG	NPT Taper	UNC	UNF	
220	-	-	G 1 1/2"	-	-	-	-	-	-	-	220
240	-	-	G 1 3/4"	-	-	-	-	-	-	-	240
260	-	-	G2"	1 3/8"	-	-	-	-	-	-	260
280	M30	1 1/8"	-	-	-	-	-	-	1 1/8"	-	280
300	-	-	G 2 1/4"	1 1/2"	-	-	-	-	-	-	300
320	M33	1 1/4"	-	1 5/8"	-	-	-	-	1 1/4"	-	320
340	-	-	G 2 1/4"	-	1"	-	-	1"	-	-	340
360	-	-	G 2 3/4"	-	-	-	-	-	-	-	360
400	-	-	G 3"	-	-	-	-	-	-	-	400
420	M36	-	G 3 1/4"	-	-	-	-	-	-	-	420
450	-	-	G 3 1/2"	1 3/4"	1 1/4"	-	-	1 1/4"	-	-	450
480	M39	1 3/8"	G 3 3/4"	-	-	-	-	-	1 3/8"	-	480
500	-	1 1/2"	G 4"	2"	-	-	-	-	1 1/2"	-	500
560	-	-	-	-	1 1/2"	-	-	1 1/2"	-	-	560
630	M42	-	-	-	-	-	-	-	-	-	630
710	M45	-	-	2 1/4"	2"	-	-	2"	-	-	710
800	-	1 5/8"	-	2 1/2"	-	-	-	-	-	-	800
900	M48	1 3/4"	-	2 3/4"	-	-	-	-	1 3/4"	-	900
1000	M52	-	-	-	2 1/2"	-	-	-	-	-	1000
1100	-	-	-	-	-	-	-	-	-	-	1100
1250	M56	2"	-	-	-	-	-	-	2"	-	1250
1400	-	-	-	3"	3"	-	-	2 1/2"	-	-	1400
2000	-	2 1/4"	-	-	-	-	-	3"	-	-	2000
2200	-	2 1/2"	-	-	-	-	-	-	-	-	2200

- The given torque values are for tapping & cold forming operations. They pertain to material with a tensile strength of 1000 N/mm²
- The torque values for tapping include a wear factor of 100%
- If necessary, these values can be increased by up to 20% for tapping & up to 50% for cold forming (Roll Tapping).

Note: All Dimensions are in mm



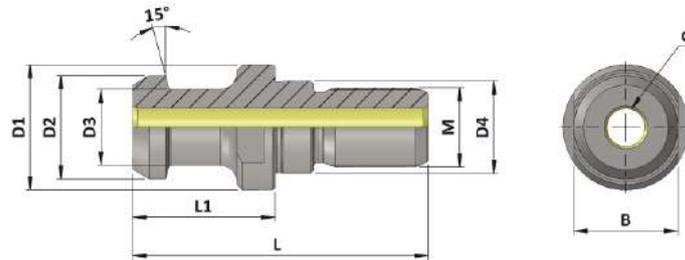
BT (MAS)

Item Name	Item Code	d	D1	D2	D3	D4	A	B	M	L	L1
PS BT30 45 DEG W/TC	K10195344311126	-	16.50	11	7	12.5	45	13	M12	43	23
PS BT30 45 DEG TC	K10195344311125	3	16.50	11	7	12.5	45	13	M12	43	23
PS BT30 60 DEG W/TC	K10195344312238	-	16.50	11	7	12.5	60	13	M12	43	23
PS BT30 60 DEG TC	K10195344312125	3	16.50	11	7	12.5	60	13	M12	43	23
PS BT30 90 DEG W/TC	K10195344313126	-	16.50	11	7	12.5	90	13	M12	43	23
PS BT30 90 DEG TC	K10195344313125	3	16.50	11	7	12.5	90	13	M12	43	23

PS BT40 45 DEG TC WITH O RING	K10195345311237	3	23	15	10	17	45	19	M16	60	35
PS BT40 45 DEG W/TC	K10195345311126	-	23	15	10	17	45	19	M16	60	35
PS BT40 45 DEG W/TC WITH O RING	K10195345311238	-	23	15	10	17	45	19	M16	60	35
PS BT40 60 DEG TC WITH O RING	K10195345312237	3	23	15	10	17	60	19	M16	60	35
PS BT40 60 DEG W/TC	K10195345312126	-	23	15	10	17	60	19	M16	60	35
PS BT40 60 DEG W/TC WITH O RING	K10195345312238	-	23	15	10	17	60	19	M16	60	35
PS BT40 90 DEG TC WITH O RING	K10195345313237	3	23	15	10	17	90	19	M16	60	35
PS BT40 90 DEG W/TC	K10195345313126	-	23	15	10	17	90	19	M16	60	35
PS BT40 90 DEG W/TC WITH O RING	K10195345313238	-	23	15	10	17	90	19	M16	60	35

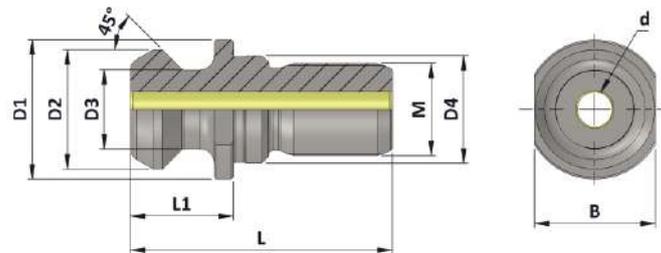
PS BT50 45 DEG TC WITH O RING	K10195346311237	7	38	23	17	25	45	30	M24	85	45
PS BT50 45 DEG W/TC	K10195346311125	-	38	23	17	25	45	30	M24	85	45
PS BT50 45 DEG W/TC WITH O RING	K10195346311238	-	38	23	17	25	45	30	M24	85	45
PS BT50 60 DEG TC WITH O RING	K10195346312237	7	38	23	17	25	60	30	M24	85	45
PS BT50 60 DEG W/TC	K10195346312126	-	38	23	17	25	60	30	M24	85	45
PS BT50 60 DEG W/TC WITH O RING	K10195346312238	-	38	23	17	25	60	30	M24	85	45
PS BT50 90 DEG TC WITH O RING	K10195346313237	7	38	23	17	25	90	30	M24	85	45
PS BT50 90 DEG W/TC	K10195346313126	-	38	23	17	25	90	30	M24	85	45
PS BT50 90 DEG W/TC WITH O RING	K10195346313238	-	38	23	17	25	90	30	M24	85	45

Note: All Dimensions are in mm



ISO 7388 A Pull Studs (PS)

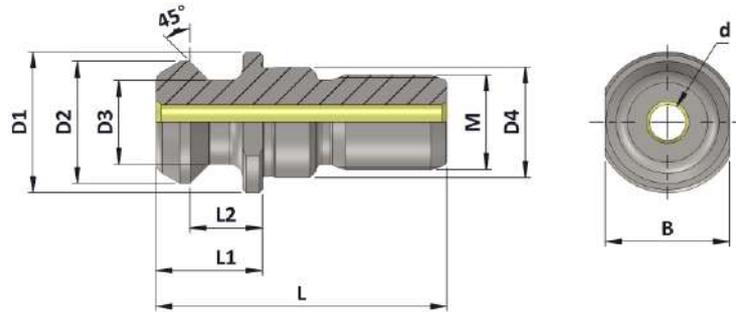
Item Name	Item Code	d	D1	D2	D3	D4	B	M	L	L1
PS ISO40 A ISO7388 TC	K10195351309125	7.30	23	19	14	17	19	M16	54	26
PS ISO40 A ISO7388 W/TC	K10195351309126	-	23	19	14	17	19	M16	54	26
PS ISO50 A ISO7388 TC	K10195352309125	11.50	36	28	21	25	30	M24	74	34
PS ISO50 A ISO7388 W/TC	K10195352309126	-	36	28	21	25	30	M24	74	34



ISO 7388 B Pull Studs (PS)

Item Name	Item Code	d	D1	D2	D3	D4	B	M	L	L1
PS ISO40 B ISO7388 TC	K10195351310125	7.30	22.50	18.80	12.95	17	19	M16	44.50	16.40
PS ISO40 B ISO7388 W/TC	K10195351310126	-	22.50	18.80	12.95	17	19	M16	44.50	16.40
PS ISO50 B ISO7388 TC	K10195352310125	11.50	37	29.10	19.60	25	30	M24	65.50	25.50
PS ISO50 B ISO7388 W/TC	K10195352310126	-	37	29.10	19.60	25	30	M24	65.50	25.50

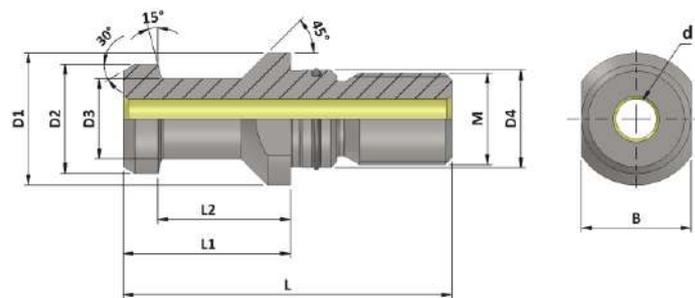
Note: All Dimensions are in mm



Mazak Pull Studs (PS)

Item Name	Item Code	d	D1	D2	D3	D4	B	M	L	L1	L2
PS MAZAK BT40 TC	K10195377320125	7	22	18.80	12.45	17	19	M16	44.10	19.10	14
PS MAZAK BT40 W/TC	K10195377320126	-	22	18.80	12.45	17	19	M16	44.10	19.10	14

PS MAZAK SK40 TC	K10195377321125	7	22	18.80	12.45	17	19	M16	41.10	16.10	11
PS MAZAK SK40 W/TC	K10195377321126	-	22	18.80	12.45	17	19	M16	41.10	16.10	11



SK (DIN 69872 - A) Pull Studs (PS)

Item Name	Item Code	d	D1	D2	D3	D4	B	M	L	L1	L2
PS SK30 A DIN 69872 W/TC WITH O RING	K10195349531238	-	17	13	9	13	14	M12	44	24	19

PS SK40 A DIN 69872 TC WITH O RING	K10195347531237	7	23	19	14	17	19	M16	54	26	20
PS SK40 A DIN 69872 W/TC WITH O RING	K10195347307238	-	23	19	14	17	19	M16	54	26	20

PS SK50 A DIN 69872 TC WITH O RING	K10195348308238	11.50	36	28	21	25	30	M24	74	34	25
PS SK50 A DIN 69872 W/TC WITH O RING	K10195348307238	-	36	28	21	25	30	M24	74	34	25

Note: All Dimensions are in mm



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