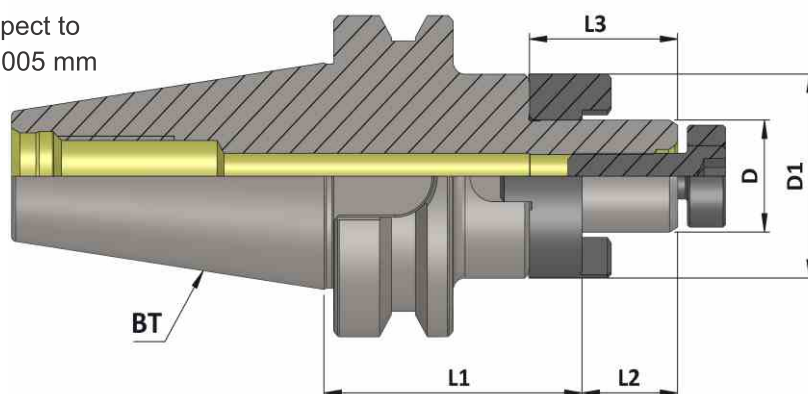


Maximum Run out of the
External Dia with respect to
the External Taper 0.005 mm



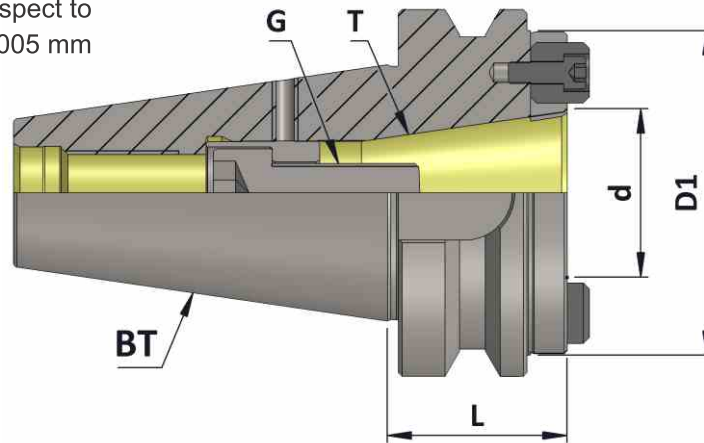
BT (MAS 403) (CSMA)

(Balanced to 6.3 G 15000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2	L3
BT 30 CSMA16 050 AD/6.3G15000 SL SP.S	K10101121111232	30	16	32	50	17	27
BT 30 CSMA22 050 AD/6.3G15000 SL SP.S	K10101122111232	30	22	40	50	19	31
BT 30 CSMA27 055 AD/6.3G15000 SL SP.S	K10101123115232	30	27	48	55	21	33
BT 40 CSMA16 055 AD/6.3G15000 SL SP.S	K10102121115232	40	16	32	55	17	27
BT 40 CSMA16 100 AD/6.3G15000 SL SP.S	K10102121148232	40	16	32	100	17	27
BT 40 CSMA16 160 AD/6.3G15000 SL SP.S	K10102121175232	40	16	32	160	17	27
BT 40 CSMA22 055 AD/6.3G15000 SL SP.S	K10102122115232	40	22	40	55	19	31
BT 40 CSMA22 100 AD/6.3G15000 SL SP.S	K10102122148232	40	22	40	100	19	31
BT 40 CSMA22 160 AD/6.3G15000 SL SP.S	K10102122175232	40	22	40	160	19	31
BT 40 CSMA27 055 AD/6.3G15000 SL SP.S	K10102123115232	40	27	48	55	21	33
BT 40 CSMA27 100 AD/6.3G15000 SL SP.S	K10102123148232	40	27	48	100	21	33
BT 40 CSMA27 160 AD/6.3G15000 SL SP.S	K10102123175232	40	27	48	160	21	33
BT 40 CSMA32 060 AD/6.3G15000 SL SP.S	K10102124117232	40	32	58	60	24	38
BT 40 CSMA32 100 AD/6.3G15000 SL SP.S	K10102124148232	40	32	58	100	24	38
BT 40 CSMA32 160 AD/6.3G15000 SL SP.S	K10102124175232	40	32	58	160	24	38
BT 40 CSMA40 060 AD/6.3G15000 SL SP.S	K10102125117232	40	40	70	60	27	41
BT 40 CSMA40 100 AD/6.3G15000 SL SP.S	K10102125148232	40	40	70	100	27	41
BT 40 CSMA40 160 AD/6.3G15000 SL SP.S	K10102125175232	40	40	70	160	27	41
BT 50 CSMA16 070 AD/6.3G15000 SL SP.S	K10103121125232	50	16	32	70	17	27
BT 50 CSMA16 100 AD/6.3G15000 SL SP.S	K10103121148232	50	16	32	100	17	27
BT 50 CSMA16 160 AD/6.3G15000 SL SP.S	K10103121175232	50	16	32	160	17	27
BT 50 CSMA22 070 AD/6.3G15000 SL SP.S	K10103122125232	50	22	40	70	19	31
BT 50 CSMA22 100 AD/6.3G15000 SL SP.S	K10103122148232	50	22	40	100	19	31
BT 50 CSMA22 160 AD/6.3G15000 SL SP.S	K10103122175232	50	22	40	160	19	31
BT 50 CSMA27 070 AD/6.3G15000 SL SP.S	K10103123125232	50	27	48	70	21	33
BT 50 CSMA27 100 AD/6.3G15000 SL SP.S	K10103123148232	50	27	48	100	21	33
BT 50 CSMA27 160 AD/6.3G15000 SL SP.S	K10103123175232	50	27	48	160	21	33
BT 50 CSMA32 070 AD/6.3G15000 SL SP.S	K10103124125232	50	32	58	70	24	38
BT 50 CSMA32 100 AD/6.3G15000 SL SP.S	K10103124148232	50	32	58	100	24	38
BT 50 CSMA32 160 AD/6.3G15000 SL SP.S	K10103124175232	50	32	58	160	24	38
BT 50 CSMA40 070 AD/6.3G15000 SL SP.S	K10103125125232	50	40	70	70	27	41
BT 50 CSMA40 100 AD/6.3G15000 SL SP.S	K10103125148232	50	40	70	100	27	41
BT 50 CSMA40 160 AD/6.3G15000 SL SP.S	K10103125175232	50	40	70	160	27	41

Note: All Dimensions are in mm

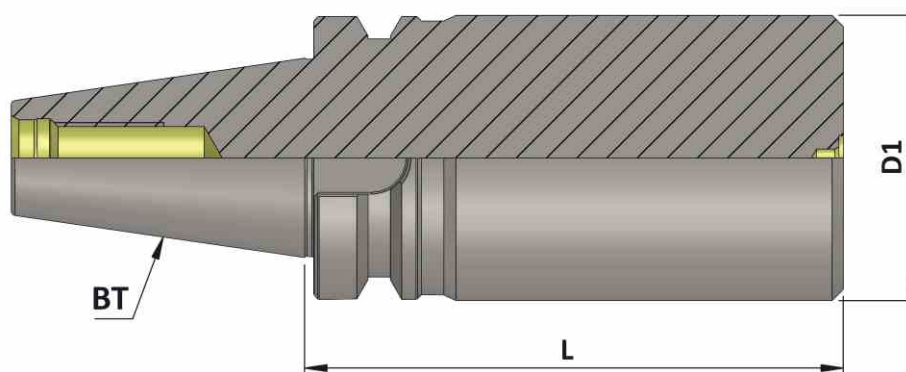
Maximum Run out of the
Internal Taper with respect to
the External Taper 0.005 mm



BT (MAS 403) Reduction Sleeve

Item Name	Item Code	ISO	d	D1	T	L	G
BT 50 x BT 40 REDUCTION SLEEVE	K10103345486127	50	44.45	88.80	7:24	49	M 16

Note: All Dimensions are in mm

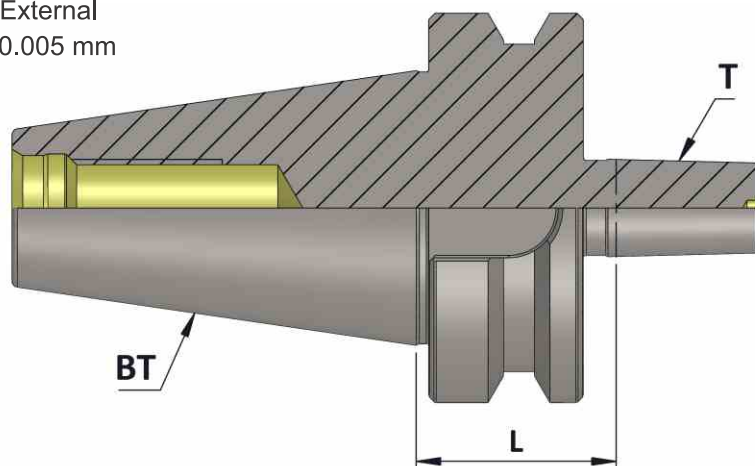


BT (MAS 403) Boring Bar Blank

Item Name	Item Code	ISO	D1	L
BT 40 BORING BAR BLANK DIA 63.5 L 120	K10102173498127	40	63.5	120
BT 40 BORING BAR BLANK DIA 63.5 L 160	K10102173330127	40	63.5	160
BT 40 BORING BAR BLANK DIA 63.5 L 250	K10102173256224	40	63.5	250
BT 50 BORING BAR BLANK DIA 80.0 L 160	K10103264330127	50	80	160
BT 50 BORING BAR BLANK DIA 80.0 L 200	K10103264237127	50	80	200
BT 50 BORING BAR BLANK DIA 80.0 L 300	K10103264257127	50	80	300
BT 50 BORING BAR BLANK DIA 97.0 L 315	K10103265329127	50	97	315

Note: All Dimensions are in mm

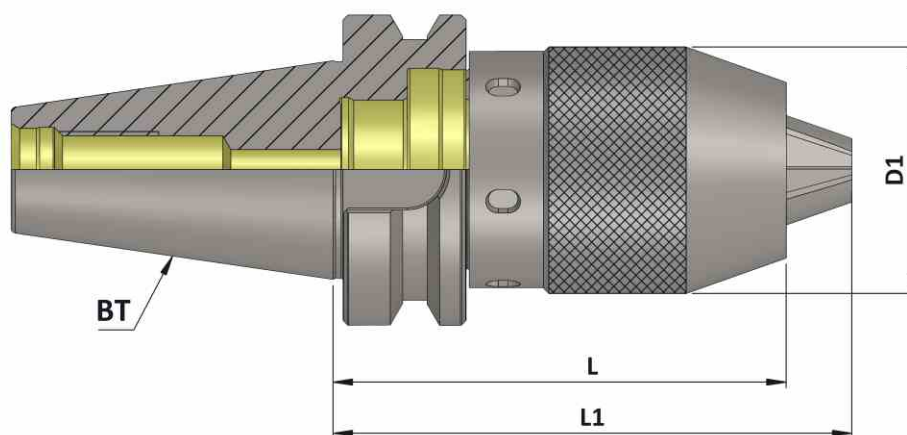
Concentricity of External Tapers is within 0.005 mm



BT (MAS 403) Arbor

Item Name	Item Code	ISO	T	L
ARBOR BT 40 J6 35.5 SL	K10198345350122	40	J6	35.50
ARBOR BT 50 J6 46.5 SL	K10198346348122	50	J6	46.50

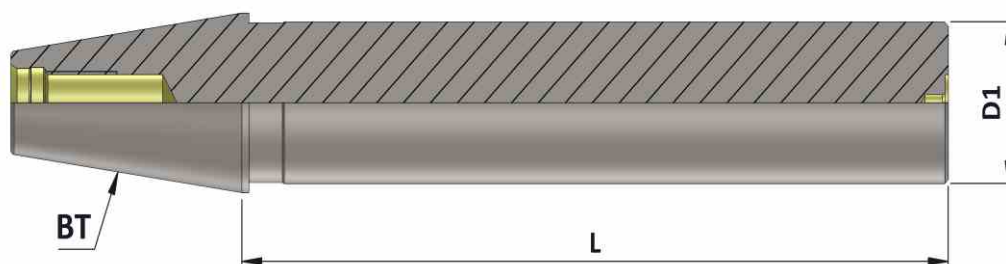
Note: All Dimensions are in mm



BT (MAS 403) (NCDC)

Item Name	Item Code	ISO	D1	L	L1
BT 30 NCDC 1-13 112.5	K10101167345122	30	50	112.5	125
BT 40 NCDC 1-13 092.5	K10102167143110	40	50	92.5	105
BT 50 NCDC 1-13 107.5	K10103167151110	50	50	107.5	120

Note: All Dimensions are in mm



BT (MAS 403) Master Mandrell

(Sub Zero Treated)

Item Name	Item Code	ISO	D1	L
BT 40 MASTER MANDRELL DIA 40 L 300	K10102166257127	40	40	300
BT 50 MASTER MANDRELL DIA 50 L 350	K10103166258127	50	50	350

Note: All Dimensions are in mm



Die & Mould Chuck (DMC)

▣ Features :

- Small outside diameter.
- Best suitable for Die & Mould Industry.
- Most suitable for machining of cavities difficult to reach.
- High precision Runout < 0.005mm (4xd).
- All 'KTA' Die & Mould Chucks are subjected to Sub-zero treatment (-90° C). This treatment helps to prevent the holders from deformation for many years & hence increases the life.

▣ Capacity :

- DMC 06 (3mm to 6mm)
- DMC 08 (3mm to 8 mm)
- DMC 10 (3mm to 10mm)

▣ Available In Mountings :

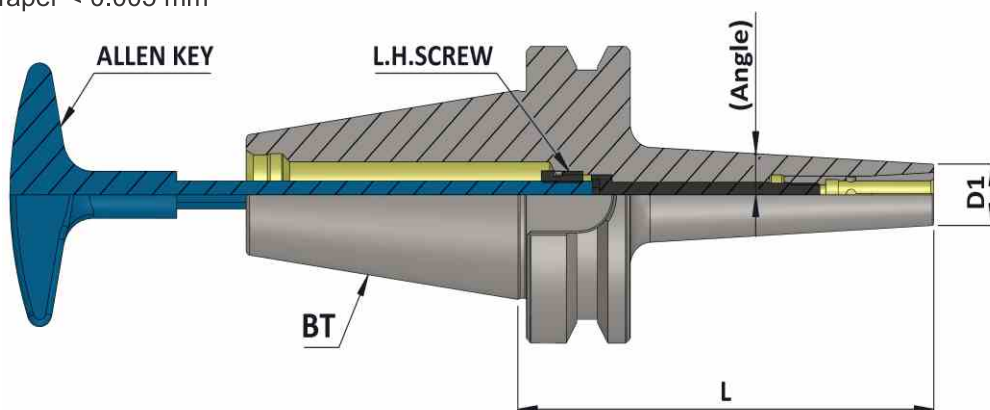
- BT (MAS 403)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)
- Cylindrical Shank

▣ Balancing :

Balanced To 2.5 G 25000 RPM



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

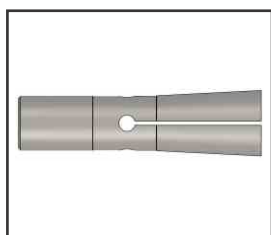


BT (MAS 403) (DMC)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	Gripping Range	D1	L	Angle	Suitable Collet	Screw	Allen Key
BT30 DMC 06 090 AD/2.5G25000 SL	K10101161140114	30	3-6	13	90	3	DMC-6	M5	4X200
BT40 DMC 06 060 AD/2.5G25000 SL	K10102161117129	40	3-6	13	60	3	DMC-6	M5	4X200
BT40 DMC 06 090 AD/2.5G25000 SL	K10102161140129	40	3-6	13	90	3	DMC-6	M5	4X200
BT40 DMC 06 120 AD/2.5G25000 SL	K10102161162129	40	3-6	13	120	3	DMC-6	M5	4X200
BT40 DMC 06 160 AD/2.5G25000 SL	K10102161175227	40	3-6	13	160	3	DMC-6	M5	4X200
BT40 DMC 08 090 AD/2.5G25000 SL	K10102162140129	40	3-8	22	90	3	DMC-8	M6	5X200
BT40 DMC 08 120 AD/2.5G25000 SL	K10102162162129	40	3-8	22	120	3	DMC-8	M6	5X200
BT40 DMC 10 090 AD/2.5G25000 SL	K10102163140129	40	3-10	28	90	3	DMC-10	M8	6X200
BT40 DMC 10 120 AD/2.5G25000 SL	K10102163162129	40	3-10	28	120	3	DMC-10	M8	6X200
BT50 DMC 10 150 AD/2.5G25000 SL	K10103163173129	50	3-10	28	150	3	DMC-10	M8	6X200

Accessories



For DMC Collet
Ref. Page No. 241

Note: All Dimensions are in mm



Power Milling Chuck (PMC)

▣ Features :

- 'KTA' Power Milling Chuck is Very Rigid & Precision.
- It is best for Drilling, Reaming & Milling Operations.
- The tool runs true less than 5 micron on 2D. Hence the tool life increases drastically.
- It's Unibody construction reduces the vibrations, This also helps to increase the tool life.
- All 'KTA' Power Milling Chucks 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 :

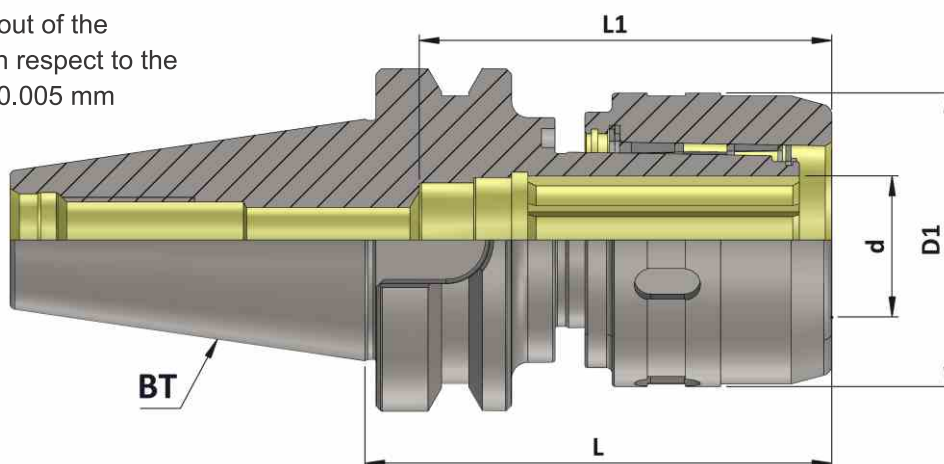
- BT (MAS 403)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)

▣ Balancing :

Balanced To 6.3 G15000 RPM



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

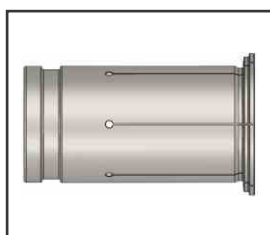


BT (MAS 403) (PMC)

(Balanced to 6.3 G 15000 RPM)

Item Name	Item Code	ISO	d	D1	L	L1
BT 30 C 20075 AD/6.3 G15000 SL	K10101453352129	30	20	54	75	70
BT 40 C 20080 AD/6.3 G15000SL	K10102453353129	40	20	54	80	70
BT 40 C 32090 AD/6.3 G15000SL	K10102453354129	40	32	72	90	100
BT 50 C 20105 AD/6.3 G15000 SL	K10103453355129	50	20	54	105	70
BT 50 C 32105 AD/6.3 G15000 SL	K10103453356129	50	32	72	105	100

Accessories



For Reduction Sleeve (RS)
Ref. Page No. 242

Note: All Dimensions are in mm



Milling Cutter Arbor (MCA)

▣ 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)

SK (DIN 69871)

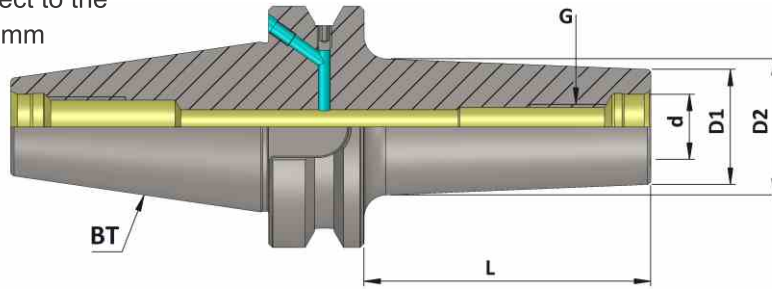
HSK-A (DIN 69893-1)

▣ Balancing :

Balanced To 2.5 G 25000 RPM



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



SCREW-TYPE
MODULAR MILLING CUTTER

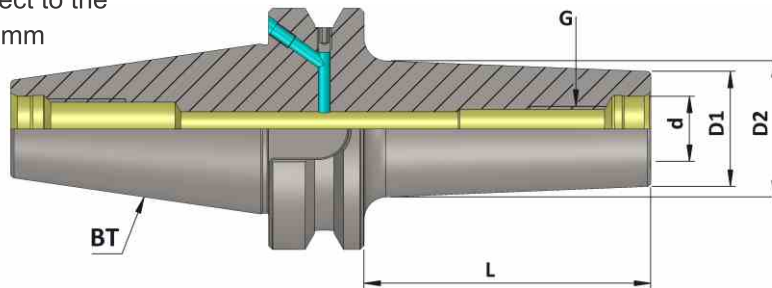
BT (MAS 403) (MCA)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 40 MCA06 025 AD+B/2.5G 25000 SL	K10102137101230	40	6.5	10	13	M6	25
BT 40 MCA06 050 AD+B/2.5G 25000 SL	K10102137111230	40	6.5	10	20	M6	50
BT 40 MCA06 075 AD+B/2.5G 25000 SL	K10102137127230	40	6.5	10	23	M6	75
BT 40 MCA08 025 AD+B/2.5G 25000 SL	K10102138101230	40	8.5	13	15	M8	25
BT 40 MCA08 050 AD+B/2.5G 25000 SL	K10102138111230	40	8.5	13	23	M8	50
BT 40 MCA08 075 AD+B/2.5G 25000 SL	K10102138127230	40	8.5	13	23	M8	75
BT 40 MCA08 100 AD+B/2.5G 25000 SL	K10102138148230	40	8.5	13	25	M8	100
BT 40 MCA10 025 AD+B/2.5G 25000 SL	K10102139101230	40	10.5	18	20	M10	25
BT 40 MCA10 050 AD+B/2.5G 25000 SL	K10102139111230	40	10.5	18	23	M10	50
BT 40 MCA10 075 AD+B/2.5G 25000 SL	K10102139127230	40	10.5	18	28	M10	75
BT 40 MCA10 100 AD+B/2.5G 25000 SL	K10102139148230	40	10.5	18	32	M10	100
BT 40 MCA12 025 AD+B/2.5G 25000 SL	K10102140101230	40	12.5	21	24	M12	25
BT 40 MCA12 050 AD+B/2.5G 25000 SL	K10102140111230	40	12.5	21	24	M12	50
BT 40 MCA12 075 AD+B/2.5G 25000 SL	K10102140127230	40	12.5	21	31	M12	75
BT 40 MCA12 100 AD+B/2.5G 25000 SL	K10102140148230	40	12.5	21	33	M12	100
BT 40 MCA12 125 AD+B/2.5G 25000 SL	K10102140164230	40	12.5	21	36	M12	125
BT 40 MCA16 025 AD+B/2.5G 25000 SL	K10102141101230	40	17	29	29	M16	25
BT 40 MCA16 050 AD+B/2.5G 25000 SL	K10102141111230	40	17	29	34	M16	50
BT 40 MCA16 075 AD+B/2.5G 25000 SL	K10102141127230	40	17	29	34	M16	75
BT 40 MCA16 100 AD+B/2.5G 25000 SL	K10102141148230	40	17	29	36	M16	100
BT 40 MCA16 125 AD+B/2.5G 25000 SL	K10102141164230	40	17	29	40	M16	125
BT 40 MCA16 150 AD+B/2.5G 25000 SL	K10102141173230	40	17	29	42.5	M16	150

Note: All Dimensions are in mm

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



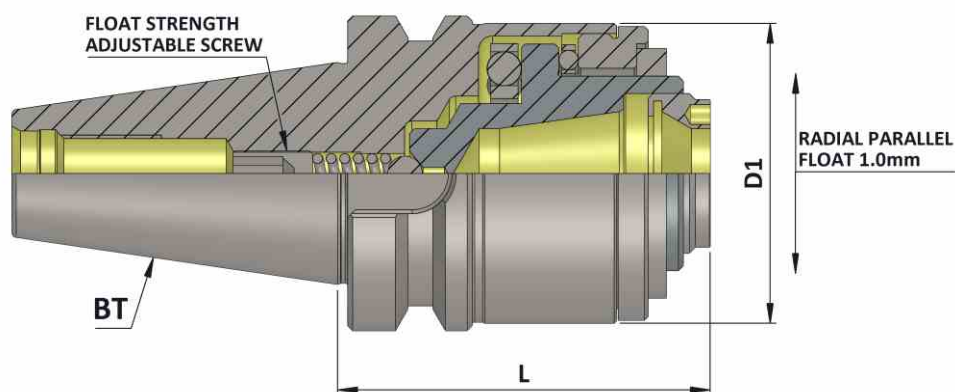
SCREW-TYPE
MODULAR MILLING CUTTER

BT (MAS 403) (MCA)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 50 MCA08 050 AD+B/2.5G 25000 SL	K10103138111140	50	8.5	13	23	M8	50
BT 50 MCA08 100 AD+B/2.5G 25000 SL	K10103138148140	50	8.5	13	25	M8	100
BT 50 MCA08 150 AD+B/2.5G 25000 SL	K10103138173140	50	8.5	13	30	M8	150
BT 50 MCA10 050 AD+B/2.5G 25000 SL	K10103139111140	50	10.5	18	23	M10	50
BT 50 MCA10 100 AD+B/2.5G 25000 SL	K10103139148140	50	10.5	18	32	M10	100
BT 50 MCA10 150 AD+B/2.5G 25000 SL	K10103139173140	50	10.5	18	36.5	M10	150
BT 50 MCA12 050 AD+B/2.5G 25000 SL	K10103140111230	50	12.5	21	24	M12	50
BT 50 MCA12 100 AD+B/2.5G 25000 SL	K10103140148230	50	12.5	21	33	M12	100
BT 50 MCA12 150 AD+B/2.5G 25000 SL	K10103140173140	50	12.5	21	40	M12	150
BT 50 MCA16 050 AD+B/2.5G 25000 SL	K10103141111230	50	17	29	34	M16	50
BT 50 MCA16 100 AD+B/2.5G 25000 SL	K10103141148140	50	17	29	36	M16	100
BT 50 MCA16 150 AD+B/2.5G 25000 SL	K10103141173140	50	17	29	42.5	M16	150

Note: All Dimensions are in mm



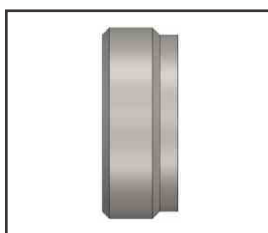
BT (MAS 403) (FRH)

Item Name	Item Code	ISO	D1	L	Collet Capacity	Spanner	Radial Parallel Float
BT 40 FRH ER25 A	K10102289299127	40	60	74.5	1- 16	E25A	1.0mm

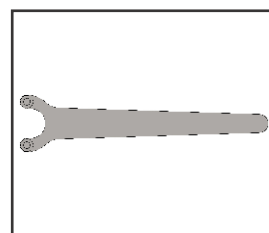
Accessories



For Collet ER (DIN 6499)
Ref. Page No. 232



For ER A Type Nut
Ref. Page No. 214



For ER A Type Spanner
Ref. Page No. 216

Note: All Dimensions are in mm



Shrink Fit Holder (SFH)

▣ Features :

- For Mounting Of Carbide & HSS Drills, End Mills etc.
- Easy to Reach at Deep Cavities.
- Best T. I. R. & Rigidity during long working life, Result of in house Research & Development & special Heat Treatment.

▣ Available In Mountings :

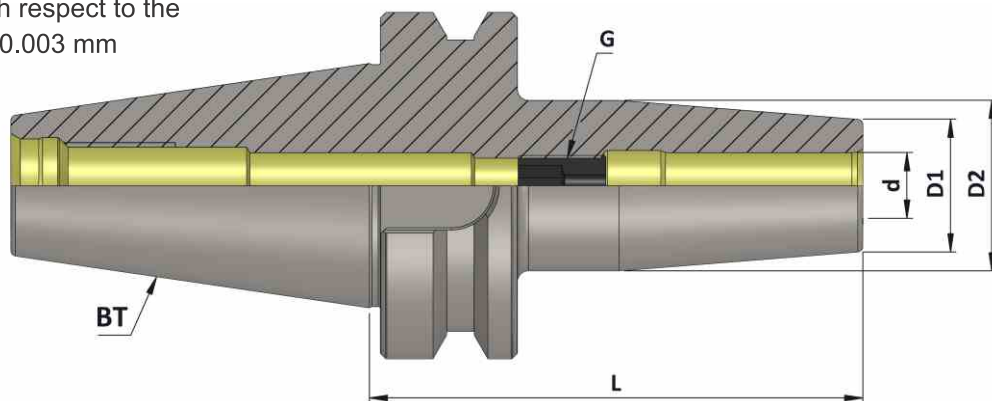
- BT (MAS 403)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)

▣ Balancing :

Balanced To 2.5 G 25000 RPM



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



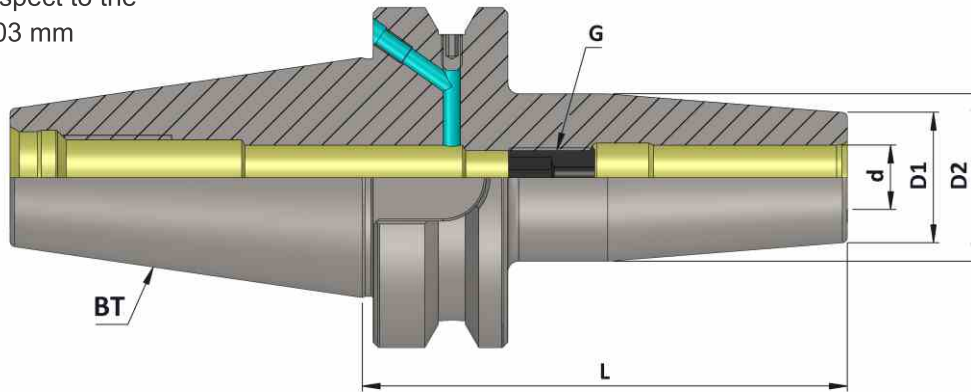
BT (MAS 403) (SFH) (AD)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 30 SFH03 080 AD/2.5G25000 SL	K10101274140129	30	3	10	20	-	80
BT 30 SFH04 080 AD/2.5G25000 SL	K10101275140129	30	4	15	22	-	80
BT 30 SFH05 080 AD/2.5G25000 SL	K10101276140129	30	5	15	22	-	80
BT 30 SFH06 080 AD/2.5G25000 SL	K10101277140129	30	6	21	27	M5	80
BT 30 SFH08 080 AD/2.5G25000 SL	K10101285140129	30	8	21	27	M6	80
BT 30 SFH10 080 AD/2.5G25000 SL	K10101279140129	30	10	24	31	M8	80
BT 30 SFH12 080 AD/2.5G25000 SL	K10101280140129	30	12	24	31	M10	80
BT 30 SFH14 080 AD/2.5G25000 SL	K10101284140129	30	14	27	34	M10	80
BT 30 SFH16 080 AD/2.5G25000 SL	K10101281140129	30	16	27	34	M12	80
BT 30 SFH18 080 AD/2.5G25000 SL	K10101282140129	30	18	33	40	M12	80
BT 30 SFH20 080 AD/2.5G25000 SL	K10101283140129	30	20	33	40	M16	80

Note: All Dimensions are in mm

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



BT (MAS 403) (SFH) (AD+B)

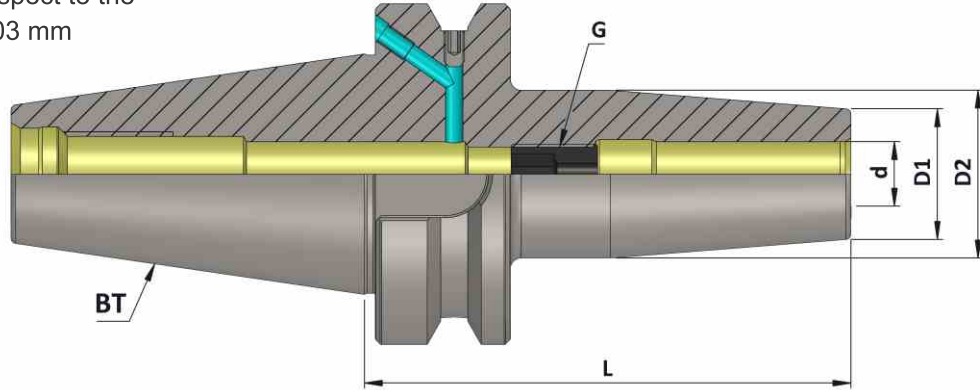
(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 40 SFH03 090 AD+B/2.5G25000 SL	K10102274140140	40	3	10	20	-	90
BT 40 SFH03 120 AD+B/2.5G25000 SL	K10102274162140	40	3	10	20	-	120
BT 40 SFH03 160 AD+B/2.5G25000 SL	K10102274175140	40	3	10	20	-	160
BT 40 SFH04 090 AD+B/2.5G25000 SL	K10102275140140	40	4	15	22	-	90
BT 40 SFH04 120 AD+B/2.5G25000 SL	K10102275162140	40	4	15	22	-	120
BT 40 SFH04 160 AD+B/2.5G25000 SL	K10102275175140	40	4	15	22	-	160
BT 40 SFH05 090 AD+B/2.5G25000 SL	K10102276140140	40	5	15	22	-	90
BT 40 SFH05 120 AD+B/2.5G25000 SL	K10102276162140	40	5	15	22	-	120
BT 40 SFH05 160 AD+B/2.5G25000 SL	K10102276175140	40	5	15	22	-	160
BT 40 SFH06 090 AD+B/2.5G25000 SL	K10102277140140	40	6	21	27	M5	90
BT 40 SFH06 120 AD+B/2.5G25000 SL	K10102277162140	40	6	21	27	M5	120
BT 40 SFH06 160 AD+B/2.5G25000 SL	K10102277175140	40	6	21	27	M5	160
BT 40 SFH08 090 AD+B/2.5G25000 SL	K10102285140140	40	8	21	27	M6	90
BT 40 SFH08 120 AD+B/2.5G25000 SL	K10102285162140	40	8	21	27	M6	120
BT 40 SFH08 160 AD+B/2.5G25000 SL	K10102285175140	40	8	21	27	M6	160
BT 40 SFH10 090 AD+B/2.5G25000 SL	K10102279140140	40	10	24	31	M8	90
BT 40 SFH10 120 AD+B/2.5G25000 SL	K10102279162140	40	10	24	31	M8	120
BT 40 SFH10 160 AD+B/2.5G25000 SL	K10102279175140	40	10	24	31	M8	160
BT 40 SFH12 090 AD+B/2.5G25000 SL	K10102280140140	40	12	24	31	M10	90
BT 40 SFH12 120 AD+B/2.5G25000 SL	K10102280162140	40	12	24	31	M10	120
BT 40 SFH12 160 AD+B/2.5G25000 SL	K10102280175140	40	12	24	31	M10	160

Continued

Note: All Dimensions are in mm

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



BT (MAS 403) (SFH) (AD+B)

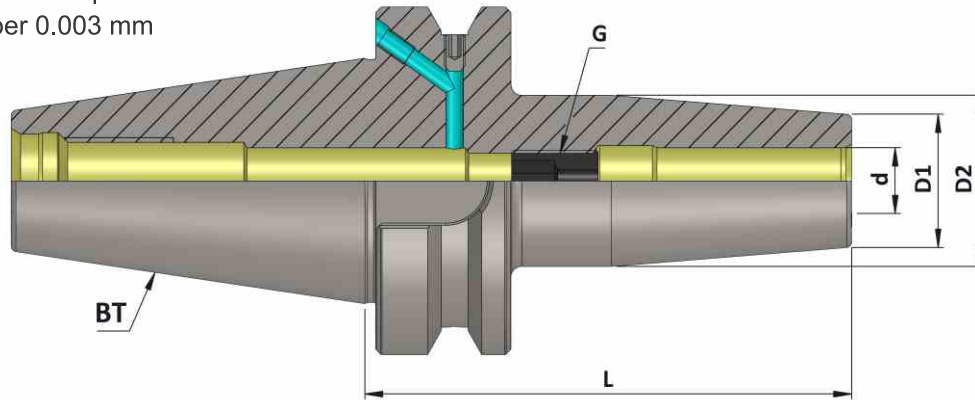
(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 40 SFH14 090 AD+B/2.5G25000 SL	K10102284140140	40	14	27	34	M10	90
BT 40 SFH14 120 AD+B/2.5G25000 SL	K10102284162140	40	14	27	34	M10	120
BT 40 SFH14 160 AD+B/2.5G25000 SL	K10102284175140	40	14	27	34	M10	160
BT 40 SFH16 090 AD+B/2.5G25000 SL	K10102281140140	40	16	27	34	M12	90
BT 40 SFH16 120 AD+B/2.5G25000 SL	K10102281162140	40	16	27	34	M12	120
BT 40 SFH16 160 AD+B/2.5G25000 SL	K10102281175140	40	16	27	34	M12	160
BT 40 SFH18 090 AD+B/2.5G25000 SL	K10102282140140	40	18	33	40	M12	90
BT 40 SFH18 120 AD+B/2.5G25000 SL	K10102282162140	40	18	33	40	M12	120
BT 40 SFH18 160 AD+B/2.5G25000 SL	K10102282175140	40	18	33	40	M12	160
BT 40 SFH20 090 AD+B/2.5G25000 SL	K10102283140140	40	20	33	40	M16	90
BT 40 SFH20 120 AD+B/2.5G25000 SL	K10102283162140	40	20	33	40	M16	120
BT 40 SFH20 160 AD+B/2.5G25000 SL	K10102283175140	40	20	33	40	M16	160
BT 40 SFH25 100 AD+B/2.5G25000 SL	K10102287148140	40	25	44	53	M16	100
BT 40 SFH25 120 AD+B/2.5G25000 SL	K10102287162140	40	25	44	53	M16	120
BT 40 SFH25 160 AD+B/2.5G25000 SL	K10102287175140	40	25	44	53	M16	160
BT 40 SFH32 100 AD+B/2.5G25000 SL	K10102288148140	40	32	44	53	M16	100
BT 40 SFH32 120 AD+B/2.5G25000 SL	K10102288162140	40	32	44	53	M16	120
BT 40 SFH32 160 AD+B/2.5G25000 SL	K10102288175140	40	32	44	53	M16	160

Note: All Dimensions are in mm

Continued

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



BT (MAS 403) (SFH) (AD+B)

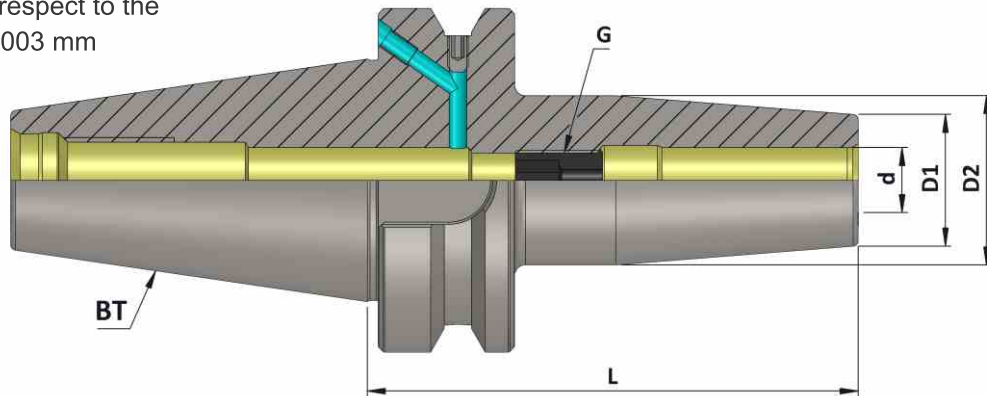
(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 50 SFH03 100 AD+B/2.5G25000 SL	K10103274148140	50	3	10	20	-	100
BT 50 SFH03 120 AD+B/2.5G25000 SL	K10103274162140	50	3	10	20	-	120
BT 50 SFH03 160 AD+B/2.5G25000 SL	K10103274175140	50	3	10	20	-	160
BT 50 SFH04 100 AD+B/2.5G25000 SL	K10103275148140	50	4	15	22	-	100
BT 50 SFH04 120 AD+B/2.5G25000 SL	K10103275162140	50	4	15	22	-	120
BT 50 SFH04 160 AD+B/2.5G25000 SL	K10103275175140	50	4	15	22	-	160
BT 50 SFH05 100 AD+B/2.5G25000 SL	K10103276148140	50	5	15	22	-	100
BT 50 SFH05 120 AD+B/2.5G25000 SL	K10103276162140	50	5	15	22	-	120
BT 50 SFH05 160 AD+B/2.5G25000 SL	K10103276175140	50	5	15	22	-	160
BT 50 SFH06 100 AD+B/2.5G25000 SL	K10103277148140	50	6	21	27	M5	100
BT 50 SFH06 120 AD+B/2.5G25000 SL	K10103277162140	50	6	21	27	M5	120
BT 50 SFH06 160 AD+B/2.5G25000 SL	K10103277175140	50	6	21	27	M5	160
BT 50 SFH08 100 AD+B/2.5G25000 SL	K10103285148140	50	8	21	27	M6	100
BT 50 SFH08 120 AD+B/2.5G25000 SL	K10103285162140	50	8	21	27	M6	120
BT 50 SFH08 160 AD+B/2.5G25000 SL	K10103285175140	50	8	21	27	M6	160
BT 50 SFH10 100 AD+B/2.5G25000 SL	K10103279148140	50	10	24	31	M8	100
BT 50 SFH10 120 AD+B/2.5G25000 SL	K10103279162140	50	10	24	31	M8	120
BT 50 SFH10 160 AD+B/2.5G25000 SL	K10103279175140	50	10	24	31	M8	160
BT 50 SFH12 100 AD+B/2.5G25000 SL	K10103280148140	50	12	24	31	M10	100
BT 50 SFH12 120 AD+B/2.5G25000 SL	K10103280162140	50	12	24	31	M10	120
BT 50 SFH12 160 AD+B/2.5G25000 SL	K10103280175140	50	12	24	31	M10	160

Continued

Note: All Dimensions are in mm

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



BT (MAS 403) (SFH) (AD+B)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	D2	G	L
BT 50 SFH14 100 AD+B/2.5G25000 SL	K10103284148140	50	14	27	34	M10	100
BT 50 SFH14 120 AD+B/2.5G25000 SL	K10103284162140	50	14	27	34	M10	120
BT 50 SFH14 160 AD+B/2.5G25000 SL	K10103284175140	50	14	27	34	M10	160
BT 50 SFH16 100 AD+B/2.5G25000 SL	K10103281148140	50	16	27	34	M12	100
BT 50 SFH16 120 AD+B/2.5G25000 SL	K10103281162140	50	16	27	34	M12	120
BT 50 SFH16 160 AD+B/2.5G25000 SL	K10103281175140	50	16	27	34	M12	160
BT 50 SFH18 100 AD+B/2.5G25000 SL	K10103282148140	50	18	33	40	M12	100
BT 50 SFH18 120 AD+B/2.5G25000 SL	K10103282162140	50	18	33	40	M12	120
BT 50 SFH18 160 AD+B/2.5G25000 SL	K10103282175140	50	18	33	40	M12	160
BT 50 SFH20 100 AD+B/2.5G25000 SL	K10103283148140	50	20	33	40	M16	100
BT 50 SFH20 120 AD+B/2.5G25000 SL	K10103283162140	50	20	33	40	M16	120
BT 50 SFH20 160 AD+B/2.5G25000 SL	K10103283175140	50	20	33	40	M16	160
BT 50 SFH25 110 AD+B/2.5G25000 SL	K10103287156140	50	25	44	53	M16	110
BT 50 SFH25 120 AD+B/2.5G25000 SL	K10103287162140	50	25	44	53	M16	120
BT 50 SFH25 160 AD+B/2.5G25000 SL	K10103287175140	50	25	44	53	M16	160
BT 50 SFH32 110 AD+B/2.5G25000 SL	K10103288156140	50	32	44	53	M16	110
BT 50 SFH32 120 AD+B/2.5G25000 SL	K10103288162140	50	32	44	53	M16	120
BT 50 SFH32 160 AD+B/2.5G25000 SL	K10103288175140	50	32	44	53	M16	160

Note: All Dimensions are in mm



Minimum Length Compensation Tapping Chuck (MLC)

▣ Features :

- KTA “Minimum Length Compensation Tapping Chuck (MLC)” For Synchronised (Rigid) Tapping Cycle.
- Coolant Through Supply
- Compression & Expansion +/- 0.5mm
- High Concentricity Enables High Speed Tapping.
- Positive Clamping Through ER Tap Collet.

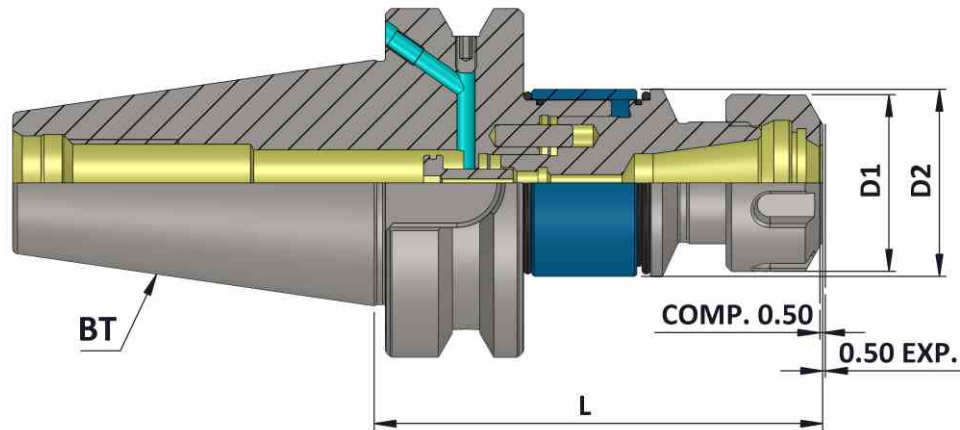
▣ Available In Following Range :

- ER 16 : M3 to M12
- ER 20 : M3 to M16
- ER 25 : M3 to M20
- ER 32 : M4 to M27
- ER 40 : M6 to M33

▣ Available In Mountings :

- BT (MAS 403)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)





BT (MAS 403) (MLC)

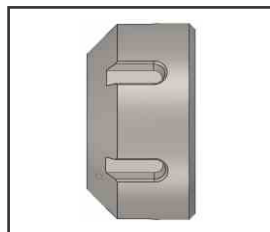
Item Name	Item Code	ISO	Capacity	Clamping Range	Nut Size	D1	D2	L	Comp.	Exp.
BT 40 ER 16 079 AD+B MLC	K10102149551245	40	M3-M12	1-10	ER 16	32	34	79	0.5	0.5
BT 40 ER 20 085 AD+B MLC	K10102150135250	40	M3-M16	3.5-10	ER 20	35	34	85	0.5	0.5
BT 40 ER 25 089 AD+B MLC	K10102151139245	40	M3-M20	3.5-16	ER 25	42	45	89	0.5	0.5
BT 40 ER 32 110 AD+B MLC	K10102152156245	40	M4-M27	3.5-20	ER 32	50	45	110	0.5	0.5
BT 40 ER 40 115 AD+B MLC	K10102153159245	40	M6-M33	6-26	ER 40	63	62	115	0.5	0.5

BT 50 ER 16 095 AD+B MLC	K10103149145245	50	M3-M12	1-10	ER 16	32	34	95	0.5	0.5
BT 50 ER 20 100 AD+B MLC	K10103150148250	50	M3-M16	3.5-10	ER 20	35	34	100	0.5	0.5
BT 50 ER 25 110 AD+B MLC	K10103151156245	50	M3-M20	3.5-16	ER 25	42	45	110	0.5	0.5
BT 50 ER 32 120 AD+B MLC	K10103152162245	50	M4-M27	3.5-20	ER 32	50	45	120	0.5	0.5
BT 50 ER 40 120 AD+B MLC	K10103153162245	50	M6-M33	6-26	ER 40	63	62	120	0.5	0.5

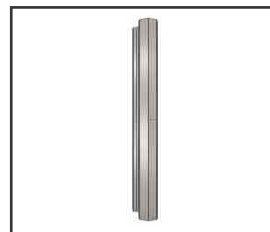
Accessories



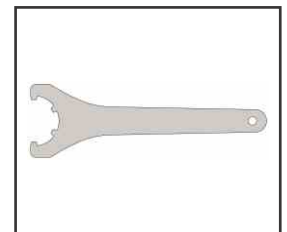
For Tap Collet ER G
Ref. Page No. 236-240



For ER Sealed Nut
Ref. Page No. 217-218



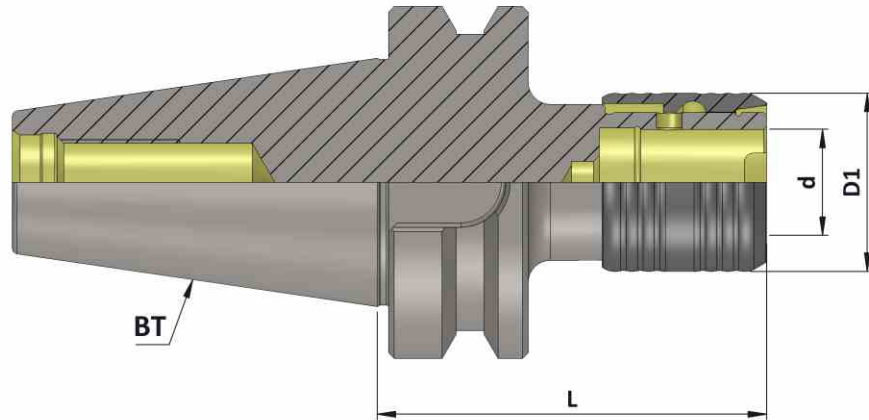
For Sealing Disc
Ref. Page No. 219-226



For Spanner
Ref. Page No. 215

☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292

Note: All Dimensions are in mm

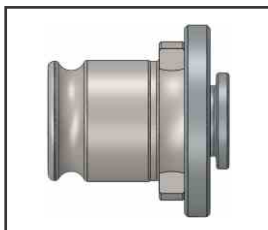


BT (MAS 403) (Q)

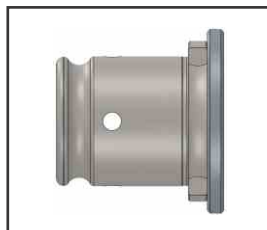
(No Compression & No Expansion)

Item Name	Item Code	ISO	Capacity	Suitable Adaptor	d	D1	L
BT 40 Q 3-12	K11102296193	40	M3-M12	KWE1	19	38	65
BT 40 Q 8-20	K11102297193	40	M8-M20	KWE2	31	54	93

Accessories



For Tap Adaptor KWE & KWEK
Ref. Page No. 253-258 & 263-264

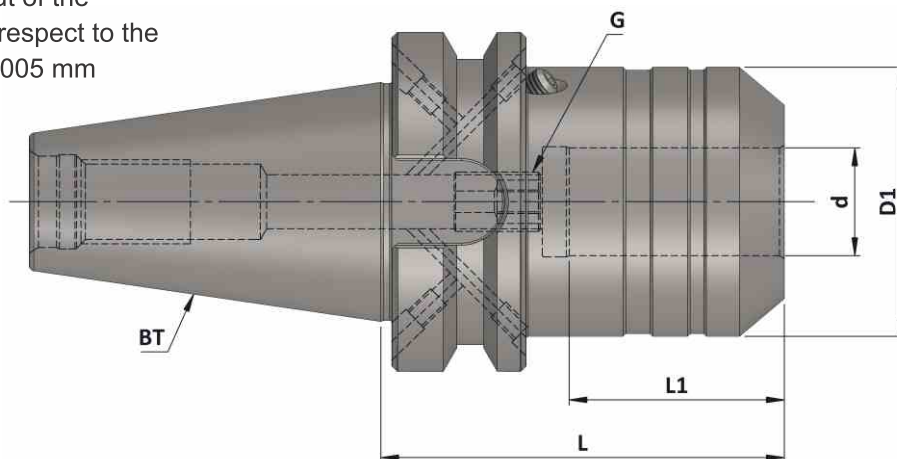


For Tap Adaptor
Reduction Socket KWRE
Ref. Page No. 289

☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292

Note: All Dimensions are in mm

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



BT (MAS 403) (HC)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	ISO	d	D1	G	L	L1
BT 30 HC20S 085 AD/2.5G25000 SL	K10101168135129	30	20	44	M10 X 1.0p	85	42
BT 40 HC20S 72.5 AD+B/2.5G25000 SL	K10102168126140	40	20	49.5	M16 X 1.0p	72.5	42
BT 50 HC32S 090 AD+B/2.5G25000 SL	K10103272140140	50	32	72	M16 X1.0p	90	55

Note: All Dimensions are in mm



Quick Change Tapping Chuck (KWFLK)

Type : KWFLK For CNC Machines

Size : 1, 2, 3, & 4

▣ **Application :**

Most Suitable Tapping Chuck for CNC Machines, Manual Drilling Machines, Lathe Machines & Milling machines.

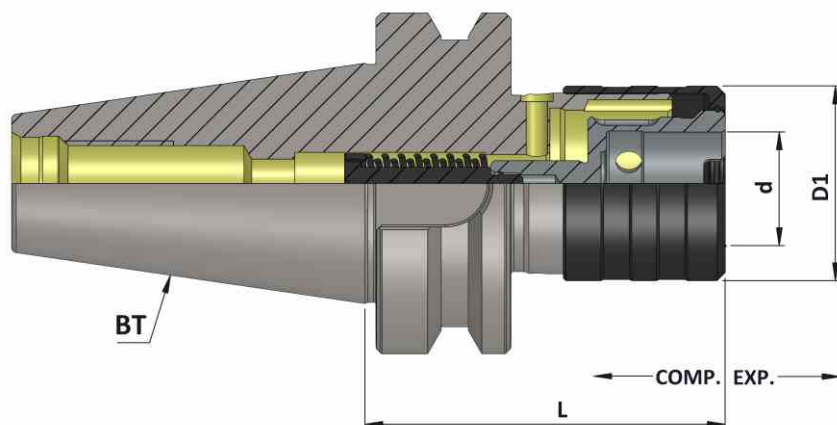
▣ **Features :**

- Quick Change feature 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)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)
- ISO (DIN 2080)
- CAT (ANSI B 5.50)
- HSK-F (DIN 6989-1)
- Cylindrical Shank

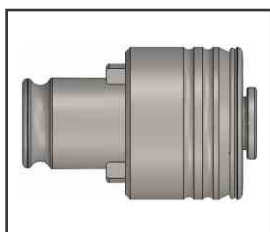




BT (MAS 403) (KWFLK)

Item Name	Item Code	ISO	Capacity	Suitable Adaptor	Comp.	Exp.	d	D1	L
BT 30 KWFLK1 64.0	K10101169278127	30	M3-M12	KWES1B	7.50	7.50	19	36	64
BT 40 KWFLK1 67.5	K10102169124127	40	M3-M12	KWES1B	7.50	7.50	19	36	67.5
BT 40 KWFLK2 94.5	K10102170144127	40	M8-M20	KWES2B	12.50	12.50	31	53	94.5
BT 40 KWFLK3 164.5	K10102171176127	40	M14-M33	KWES3B	20.00	20.00	48	78	164.5
BT 40 KWFLK4 180.0	K10102172478127	40	M22-M48	KWES4B	22.50	22.50	60	96	180.0
BT 50 KWFLK1 77.0	K10103169279127	50	M3-M12	KWES1B	7.50	7.50	19	36	77
BT 50 KWFLK2 102.5	K10103170280127	50	M8-M20	KWES2B	12.50	12.50	31	53	102.5
BT 50 KWFLK3 142.5	K10103171171127	50	M14-M33	KWES3B	20.00	20.00	48	78	142.5
BT 50 KWFLK4 164.5	K10103172176127	50	M22-M48	KWES4B	22.50	22.50	60	96	164.5

Accessories



For Tap Adaptor KWES..B & KWESK..B
Ref. Page No. 267-288

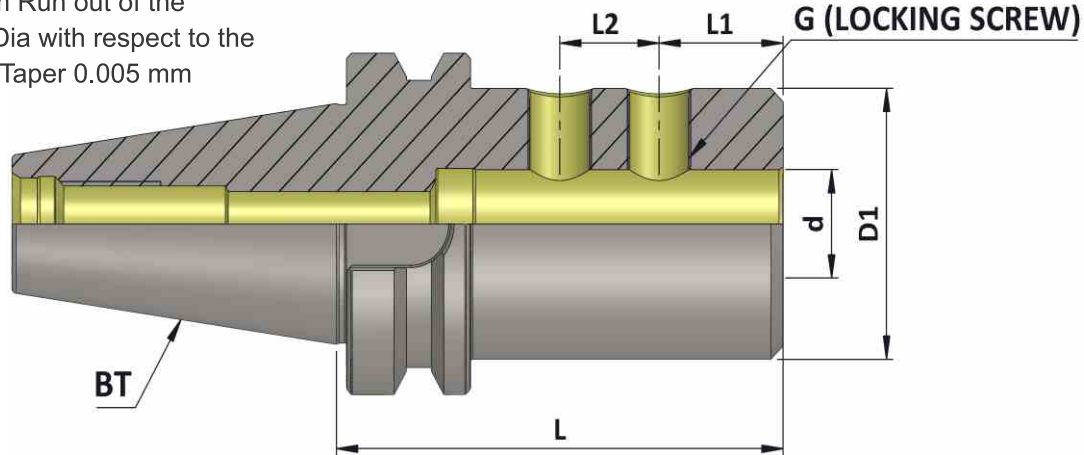


For Tap Adaptor
Reduction Socket KWRE
Ref. Page No. 289

☞ For Tap Shank Dimension & Recommended Torque Values Ref. Page No. 290-292

Note: All Dimensions are in mm

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



BT- Inch Series (SLA)

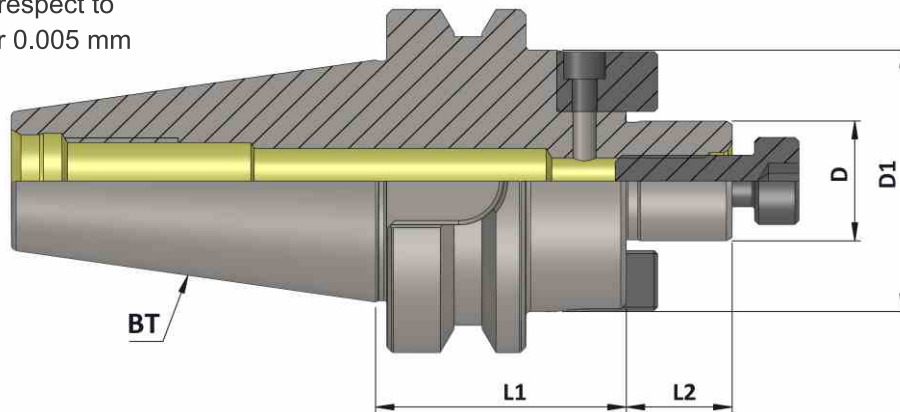
(Balanced to 6.3 G 15000 RPM)

Item Name	Item Code	ISO	d	D1	L	L1	L2	G	Screw Qty.
BT 40 SLA DIA 1/8" - 2 3/8" AD/6.3G15000 SL	K10102389331151	40	1/8"	0.69"	2.375"	0.370"	-	6-32UNCx1/4"	1
BT 40 SLA DIA 3/16" - 2 1/2" AD/6.3G15000 SL	K10102389560127	40	3/16"	0.69"	2.50"	0.562"	-	8-32UNCx1/4"	1
BT 40 SLA DIA 1/4" - 2 1/2" - AD/6.3G15000 SL	K10266413301110	40	1/4"	0.78"	2.50"	0.630"	-	1/4"-28UNFx1/4"	1
BT 40 SLA DIA 5/16"-2 1/2" - AD/6.3G15000 SL	K10266414301110	40	5/16"	0.88"	2.50"	0.630"	-	5/16"-24UNFx1/4"	1
BT 40 SLA DIA 3/8" - 2 1/2" - AD/6.3G15000 SL	K10266415301110	40	3/8"	1.0"	2.50"	0.750"	-	3/8"-24UNFx5/16"	1
BT 40 SLA DIA 7/16" - 2 1/2" - AD/6.3G15000 SL	K10266516301110	40	7/16"	1.25"	2.50"	0.875"	-	3/8"-24UNFx3/8"	1
BT 40 SLA DIA 1/2" - 2 1/2" - AD/6.3G15000 SL	K10266507301110	40	1/2"	1.25"	2.50"	0.875"	-	7/16"-20UNFx3/8"	1
BT 40 SLA DIA 5/8" - 2 1/2" - AD/6.3G15000 SL	K10266513301110	40	5/8"	1.50"	2.50"	0.937"	-	1/2"-20UNFx7/16"	1
BT 40 SLA DIA 3/4" - 2 1/2" - AD/6.3G15000 SL	K10266517301110	40	3/4"	1.75"	2.50"	1.00"	-	5/8"-18UNFx1/2"	1
BT 40 SLA DIA 7/8" - 3 3/8" - AD/6.3G15000 SL	K10266512301110	40	7/8"	1.88"	3.375"	1.063"	0.875"	5/8"-18UNFx1/2"	2
BT 40 SLA DIA 1.0"-4.0" - AD/6.3G15000 SL	K10266406301110	40	1.0"	2.0"	4.0"	1.125"	1.00"	3/4"-16UNFx1/2"	2
BT 40 SLA DIA 1 1/4" - 4.0" - AD/6.3G15000 SL	K10266514301110	40	1 1/4"	2.5"	4.0"	1.125"	1.00"	3/4"-16UNFx1/2"	2
BT 40 SLA DIA 1 1/2"- 4 1/2" AD/6.3G15000 SL	K10102389331161	40	1 1/2"	2.5"	4.5"	1.125"	1.00"	3/4"-16UNFx1/2"	2

BT 50 SLA DIA 1/4" - 3.0" - AD/6.3G15000 SL	K10265510301110	50	1/4"	0.78"	3.0"	0.630"	-	1/4"-28UNFx1/4"	1
BT 50 SLA DIA 5/16" - 3.0" - AD/6.3G15000 SL	K10265503301110	50	5/16"	0.88"	3.0"	0.630"	-	5/16"-24UNFx1/4"	1
BT 50 SLA DIA 3/8" - 3.0" - AD/6.3G15000 SL	K10265504301110	50	3/8"	1.0"	3.0"	0.750"	-	3/8"-24UNFx5/16"	1
BT 50 SLA DIA 7/16" - 3.0" - AD/6.3G15000 SL	K10265416301110	50	7/16"	1.25"	3.0"	0.875"	-	3/8"-24UNFx3/8"	1
BT 50 SLA DIA 1/2" - 3.0" - AD/6.3G15000 SL	K10265417301110	50	1/2"	1.25"	3.0"	0.875"	-	7/16"-20UNFx3/8"	1
BT 50 SLA DIA 5/8" - 3.0" - AD/6.3G15000 SL	K10265418301110	50	5/8"	1.50"	3.0"	0.937"	-	1/2"-20UNFx7/16"	1
BT 50 SLA DIA 3/4" - 3.0" AD/6.3G15000 SL	K10265419301110	50	3/4"	1.75"	3.0"	1.00"	-	5/8"-18UNFx1/2"	1
BT 50 SLA DIA 7/8" - 4.0" - AD/6.3G15000 SL	K10265424301110	50	7/8"	1.88"	4.0"	1.063"	0.875"	5/8"-18UNFx1/2"	2
BT 50 SLA DIA 1.0" - 4 1/2" - AD/6.3G15000 SL	K10265511301110	50	1.0"	2.0"	4.5"	1.125"	1.00"	3/4"-16UNFx1/2"	2
BT 50 SLA DIA 1 1/4" - 4 1/2" - AD/6.3G15000 SL	K10265508301110	50	1 1/4"	2.5"	4.5"	1.125"	1.00"	3/4"-16UNFx1/2"	2
BT 50 SLA DIA 1 1/2" - 4 1/2" AD/6.3G15000 SL	K10265540301127	50	1 1/2"	2.5"	4.5"	1.125"	1.00"	3/4"-16UNFx1/2"	2

Note: All Dimensions are in inches

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



BT- Inch Series (FMH)

(Balanced to 6.3 G 15000 RPM)

Item Name	Item Code	ISO	D	D1	L1	L2
BT 40 FMH DIA 3/4"- 45 (1.77") AD/6.3G15000 SL	K10247434301106	40	3/4"	2.0"	45 (1.77")	0.687"
BT 40 FMH DIA 1.0"- 45 (1.77") AD/6.3G15000 SL	K10247435301110	40	1.0"	2.375"	45 (1.77")	0.687"
BT 40 FMH DIA 1 1/4"- 45 (1.77") AD/6.3G15000 SL	K10247509301110	40	1 1/4"	2.875"	45 (1.77")	0.687"
BT 40 FMH DIA 1 1/2"- 60 (2.36") AD/6.3G15000 SL	K10247439301110	40	1 1/2"	3.75"	60 (2.36")	0.938"
BT 50 FMH DIA 3/4"- 60 (2.36") AD/6.3G15000 SL	K10248441301110	50	3/4"	2.0"	60 (2.36")	0.687"
BT 50 FMH DIA 1.0"- 60 (2.36") AD/6.3G15000 SL	K10248443301110	50	1.0"	2.375"	60 (2.36")	0.687"
BT 50 FMH DIA 1 1/4"- 60 (2.36") AD/6.3G15000 SL	K10248444301110	50	1 1/4"	2.875"	60 (2.36")	0.687"
BT 50 FMH DIA 1 1/2"- 60 (2.36") AD/6.3G15000 SL	K10248439301110	50	1 1/2"	3.75"	60 (2.36")	0.938"

Note: All Dimensions are in inches