



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)

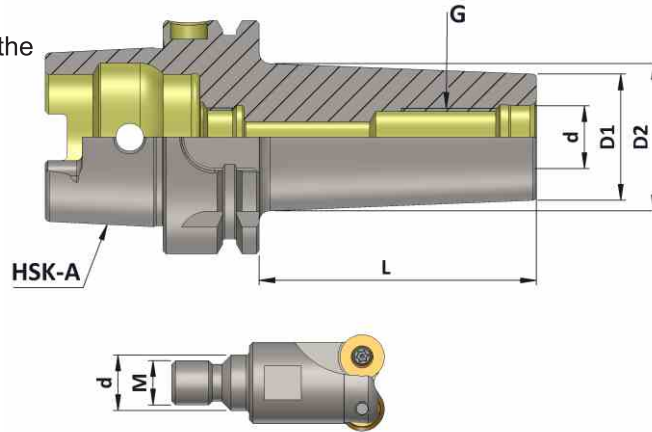
HSK-A (DIN 69893-1)

▣ 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

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



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 :

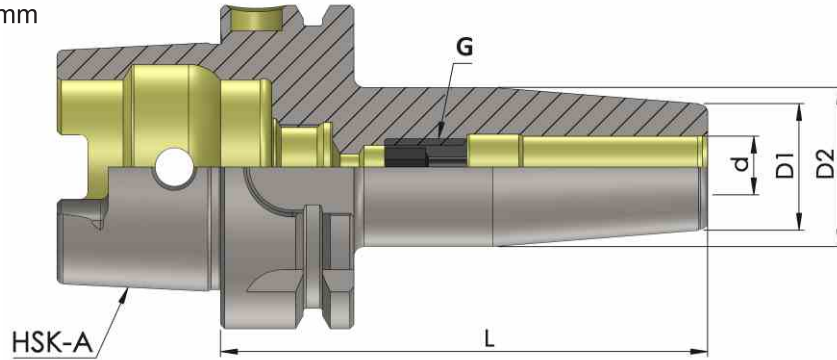
- BT (MAS 403)
- SK (DIN 69871)
- HSK-A (DIN 69893-1)

▣ Balancing :

Balanced To 2.5 G 25000 RPM



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



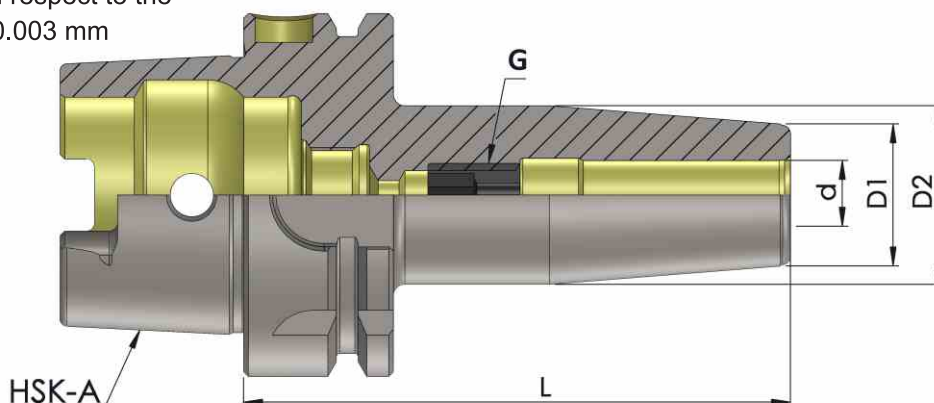
HSK-A (DIN 69893-1) (SFH)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L
HSK-A 50 SFH03 080 2.5G 25000 SL	K10166274131209	50	3	10	20	-	80
HSK-A 50 SFH03 120 2.5G 25000 SL	K10166274162209	50	3	10	20	-	120
HSK-A 50 SFH03 160 2.5G 25000 SL	K10166274175209	50	3	10	20	-	160
HSK-A 50 SFH04 080 2.5G 25000 SL	K10166275131209	50	4	15	22	-	80
HSK-A 50 SFH04 120 2.5G 25000 SL	K10166275162209	50	4	15	22	-	120
HSK-A 50 SFH04 160 2.5G 25000 SL	K10166275175209	50	4	15	22	-	160
HSK-A 50 SFH05 080 2.5G 25000 SL	K10166276131209	50	5	15	22	-	80
HSK-A 50 SFH05 120 2.5G 25000 SL	K10166276162209	50	5	15	22	-	120
HSK-A 50 SFH05 160 2.5G 25000 SL	K10166276175209	50	5	15	22	-	160
HSK-A 50 SFH06 080 2.5G 25000 SL	K10166277131209	50	6	21	27	M5	80
HSK-A 50 SFH06 120 2.5G 25000 SL	K10166277162209	50	6	21	27	M5	120
HSK-A 50 SFH06 160 2.5G 25000 SL	K10166277175209	50	6	21	27	M5	160
HSK-A 50 SFH08 080 2.5G 25000 SL	K10166285131209	50	8	21	27	M6	80
HSK-A 50 SFH08 120 2.5G 25000 SL	K10166285162209	50	8	21	27	M6	120
HSK-A 50 SFH08 160 2.5G 25000 SL	K10166285175209	50	8	21	27	M6	160
HSK-A 50 SFH10 085 2.5G 25000 SL	K10166279135209	50	10	24	31	M8	85
HSK-A 50 SFH10 120 2.5G 25000 SL	K10166279162209	50	10	24	31	M8	120
HSK-A 50 SFH10 160 2.5G 25000 SL	K10166279175209	50	10	24	31	M8	160
HSK-A 50 SFH12 090 2.5G 25000 SL	K10166280140209	50	12	24	31	M10	90
HSK-A 50 SFH12 120 2.5G 25000 SL	K10166280162209	50	12	24	31	M10	120
HSK-A 50 SFH12 160 2.5G 25000 SL	K10166280175209	50	12	24	31	M10	160
HSK-A 50 SFH14 090 2.5G 25000 SL	K10166284140209	50	14	27	34	M10	90
HSK-A 50 SFH14 120 2.5G 25000 SL	K10166284162209	50	14	27	34	M10	120
HSK-A 50 SFH14 160 2.5G 25000 SL	K10166284175209	50	14	27	34	M10	160
HSK-A 50 SFH16 095 2.5G 25000 SL	K10166281145209	50	16	27	34	M12	95
HSK-A 50 SFH16 120 2.5G 25000 SL	K10166281162209	50	16	27	34	M12	120
HSK-A 50 SFH16 160 2.5G 25000 SL	K10166281175209	50	16	27	34	M12	160
HSK-A 50 SFH18 095 2.5G 25000 SL	K10166282145209	50	18	33	40	M12	95
HSK-A 50 SFH18 120 2.5G 25000 SL	K10166282162209	50	18	33	40	M12	120
HSK-A 50 SFH18 160 2.5G 25000 SL	K10166282175209	50	18	33	40	M12	160
HSK-A 50 SFH20 100 2.5G 25000 SL	K10166283148209	50	20	33	40	M16	100
HSK-A 50 SFH20 120 2.5G 25000 SL	K10166283162209	50	20	33	40	M16	120
HSK-A 50 SFH20 160 2.5G 25000 SL	K10166283175209	50	20	33	40	M16	160

Note: All Dimensions are in mm

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



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

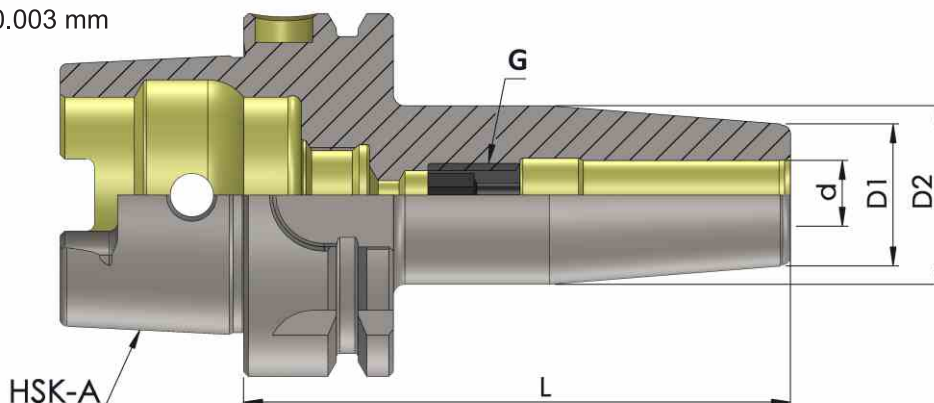
(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L
HSK-A 63 SFH03 080 2.5G 25000 SL	K10167274131209	63	3	10	20	-	80
HSK-A 63 SFH03 120 2.5G 25000 SL	K10167274162209	63	3	10	20	-	120
HSK-A 63 SFH03 160 2.5G 25000 SL	K10167274175209	63	3	10	20	-	160
HSK-A 63 SFH04 080 2.5G 25000 SL	K10167275131209	63	4	15	22	-	80
HSK-A 63 SFH04 120 2.5G 25000 SL	K10167275162209	63	4	15	22	-	120
HSK-A 63 SFH04 160 2.5G 25000 SL	K10167275175209	63	4	15	22	-	160
HSK-A 63 SFH05 080 2.5G 25000 SL	K10167276131209	63	5	15	22	-	80
HSK-A 63 SFH05 120 2.5G 25000 SL	K10167276162209	63	5	15	22	-	120
HSK-A 63 SFH05 160 2.5G 25000 SL	K10167276175209	63	5	15	22	-	160
HSK-A 63 SFH06 080 2.5G 25000 SL	K10167277131209	63	6	21	27	M5	80
HSK-A 63 SFH06 120 2.5G 25000 SL	K10167277162209	63	6	21	27	M5	120
HSK-A 63 SFH06 160 2.5G 25000 SL	K10167277175209	63	6	21	27	M5	160
HSK-A 63 SFH08 080 2.5G 25000 SL	K10167285131209	63	8	21	27	M6	80
HSK-A 63 SFH08 120 2.5G 25000 SL	K10167285162209	63	8	21	27	M6	120
HSK-A 63 SFH08 160 2.5G 25000 SL	K10167285175209	63	8	21	27	M6	160
HSK-A 63 SFH10 085 2.5G 25000 SL	K10167279135209	63	10	24	31	M8	85
HSK-A 63 SFH10 120 2.5G 25000 SL	K10167279162209	63	10	24	31	M8	120
HSK-A 63 SFH10 160 2.5G 25000 SL	K10167279175209	63	10	24	31	M8	160
HSK-A 63 SFH12 090 2.5G 25000 SL	K10167280140209	63	12	24	31	M10	90
HSK-A 63 SFH12 120 2.5G 25000 SL	K10167280162209	63	12	24	31	M10	120
HSK-A 63 SFH12 160 2.5G 25000 SL	K10167280175209	63	12	24	31	M10	160
HSK-A 63 SFH14 090 2.5G 25000 SL	K10167284140209	63	14	27	34	M10	90
HSK-A 63 SFH14 120 2.5G 25000 SL	K10167284162209	63	14	27	34	M10	120
HSK-A 63 SFH14 160 2.5G 25000 SL	K10167284175209	63	14	27	34	M10	160
HSK-A 63 SFH16 095 2.5G 25000 SL	K10167281145209	63	16	27	34	M12	95
HSK-A 63 SFH16 120 2.5G 25000 SL	K10167281162209	63	16	27	34	M12	120
HSK-A 63 SFH16 160 2.5G 25000 SL	K10167281175209	63	16	27	34	M12	160
HSK-A 63 SFH18 095 2.5G 25000 SL	K10167282145209	63	18	33	40	M12	95
HSK-A 63 SFH18 120 2.5G 25000 SL	K10167282162209	63	18	33	40	M12	120
HSK-A 63 SFH18 160 2.5G 25000 SL	K10167282175209	63	18	33	40	M12	160

Continued

Note: All Dimensions are in mm

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



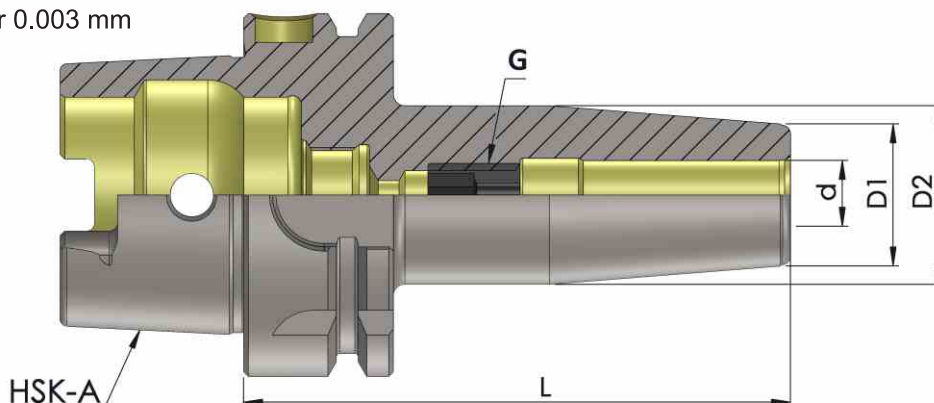
HSK-A (DIN 69893-1) (SFH)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L
HSK-A 63 SFH20 100 2.5G 25000 SL	K10167283148209	63	20	33	40	M16	100
HSK-A 63 SFH20 120 2.5G 25000 SL	K10167283162209	63	20	33	40	M16	120
HSK-A 63 SFH20 160 2.5G 25000 SL	K10167283175209	63	20	33	40	M16	160
HSK-A 63 SFH25 115 2.5G 25000 SL	K10167287159209	63	25	44	53	M16	115
HSK-A 63 SFH25 120 2.5G 25000 SL	K10167287162209	63	25	44	53	M16	120
HSK-A 63 SFH25 160 2.5G 25000 SL	K10167287175209	63	25	44	53	M16	160
HSK-A 63 SFH32 120 2.5G 25000 SL	K10167288162209	63	32	44	53	M16	120
HSK-A 63 SFH32 160 2.5G 25000 SL	K10167288175209	63	32	44	53	M16	160
HSK-A 100 SFH06 085 2.5G 25000 SL	K10168277135209	100	6	21	27	M5	85
HSK-A 100 SFH06 120 2.5G 25000 SL	K10168277162209	100	6	21	27	M5	120
HSK-A 100 SFH06 160 2.5G 25000 SL	K10168277175209	100	6	21	27	M5	160
HSK-A 100 SFH08 085 2.5G 25000 SL	K10168285135209	100	8	21	27	M6	85
HSK-A 100 SFH08 120 2.5G 25000 SL	K10168285162209	100	8	21	27	M6	120
HSK-A 100 SFH08 160 2.5G 25000 SL	K10168285175209	100	8	21	27	M6	160
HSK-A 100 SFH10 090 2.5G 25000 SL	K10168279140209	100	10	24	31	M8	90
HSK-A 100 SFH10 120 2.5G 25000 SL	K10168279162209	100	10	24	31	M8	120
HSK-A 100 SFH10 160 2.5G 25000 SL	K10168279175209	100	10	24	31	M8	160
HSK-A 100 SFH12 095 2.5G 25000 SL	K10168280145209	100	12	24	31	M10	95
HSK-A 100 SFH12 120 2.5G 25000 SL	K10168280162209	100	12	24	31	M10	120
HSK-A 100 SFH12 160 2.5G 25000 SL	K10168280175209	100	12	24	31	M10	160
HSK-A 100 SFH14 095 2.5G 25000 SL	K10168284145209	100	14	27	34	M10	95
HSK-A 100 SFH14 120 2.5G 25000 SL	K10168284162209	100	14	27	34	M10	120
HSK-A 100 SFH14 160 2.5G 25000 SL	K10168284175209	100	14	27	34	M10	160

Note: All Dimensions are in mm

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

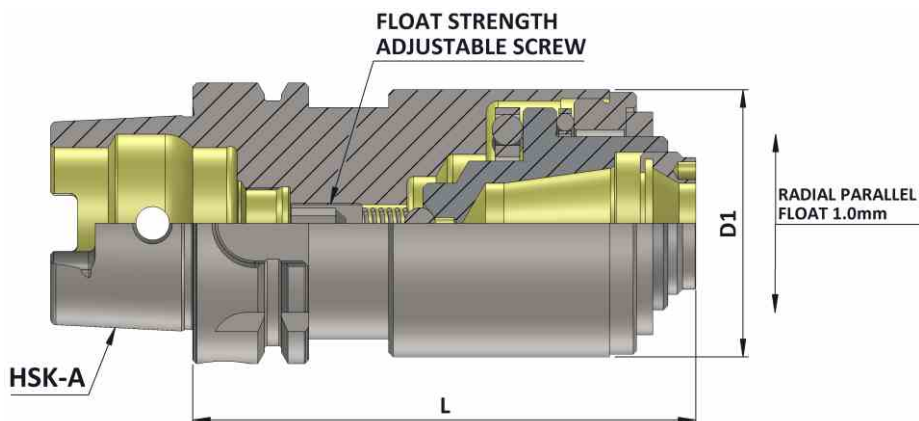


HSK-A (DIN 69893-1) (SFH)

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L
HSK-A 100 SFH16 100 2.5G 25000 SL	K10168281148209	100	16	27	34	M12	100
HSK-A 100 SFH16 120 2.5G 25000 SL	K10168281162209	100	16	27	34	M12	120
HSK-A 100 SFH16 160 2.5G 25000 SL	K10168281175209	100	16	27	34	M12	160
HSK-A 100 SFH18 100 2.5G 25000 SL	K10168282148209	100	18	33	40	M12	100
HSK-A 100 SFH18 120 2.5G 25000 SL	K10168282162209	100	18	33	40	M12	120
HSK-A 100 SFH18 160 2.5G 25000 SL	K10168282175209	100	18	33	40	M12	160
HSK-A 100 SFH20 105 2.5G 25000 SL	K10168283152209	100	20	33	40	M16	105
HSK-A 100 SFH20 120 2.5G 25000 SL	K10168283162209	100	20	33	40	M16	120
HSK-A 100 SFH20 160 2.5G 25000 SL	K10168283175209	100	20	33	40	M16	160
HSK-A 100 SFH25 115 2.5G 25000 SL	K10168287159209	100	25	44	53	M16	115
HSK-A 100 SFH25 120 2.5G 25000 SL	K10168287162209	100	25	44	53	M16	120
HSK-A 100 SFH25 160 2.5G 25000 SL	K10168287175209	100	25	44	53	M16	160
HSK-A 100 SFH32 120 2.5G 25000 SL	K10168288162209	100	32	44	53	M16	120
HSK-A 100 SFH32 160 2.5G 25000 SL	K10168288175209	100	32	44	53	M16	160

Note: All Dimensions are in mm



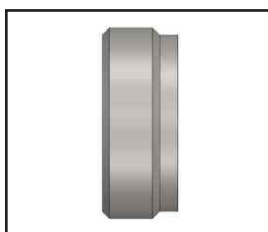
HSK-A (DIN 69893-1) (FRH)

Item Name	Item Code	HSK-A	D1	L	Collet Capacity	Spanner	Radial Parallel Float
HSK-A 63 FRH ER 25A -	K10167289302127	63	60	112	1-16	E25A	1.0mm
HSK-A 100 FRH ER 25A -	K10168289302127	100	60	112	1-16	E25A	1.0mm

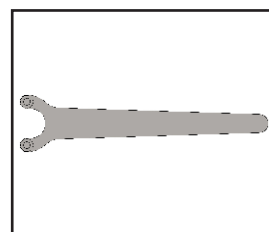
Accessories



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



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.

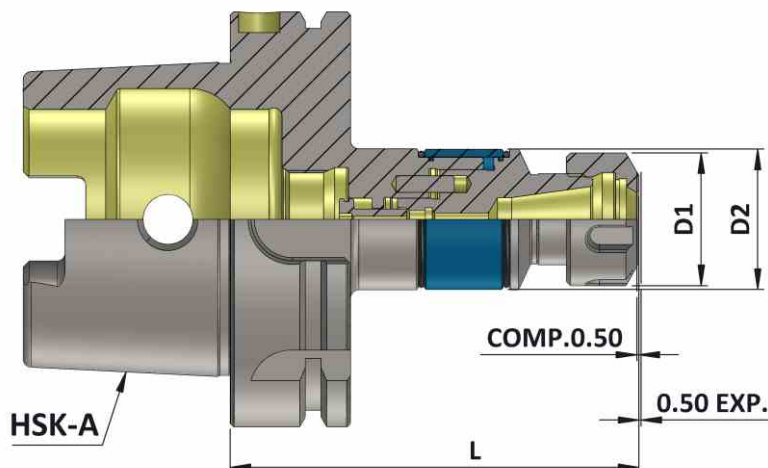
▣ Available In Following Range :

- 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)





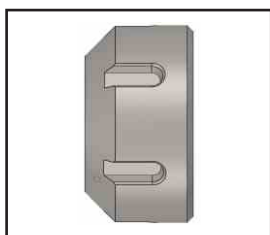
HSK-A (DIN 69893-1) (MLC)

Item Name	Item Code	HSK-A	Capacity	Clampng Range	Nut Size	D1	D2	L	Comp.	Exp.
HSK-A 63 ER 16M 089 MLC	K10167157139245	63	M3-M12	1-10	ER 16M	22	34	89	0.5	0.5
HSK-A 63 ER 16 089 MLC	K10167149139245	63	M3-M12	1-10	ER 16	32	34	89	0.5	0.5
HSK-A 63 ER 20 090 MLC	K10167150140245	63	M3-M16	3.5-10	ER 20	35	34	90	0.5	0.5
HSK-A 63 ER 25 094 MLC	K10167151548245	63	M3-M20	3.5-16	ER 25	42	45	94	0.5	0.5
HSK-A 63 ER 32 105 MLC	K10167152152245	63	M4-M27	3.5-20	ER 32	50	45	105	0.5	0.5
HSK-A 63 ER 40 133.5 MLC	K10167153549245	63	M6-M33	6-26	ER 40	63	62	133.5	0.5	0.5
HSK-A 100 ER 16M 097 MLC	K10168157556245	100	M3-M12	1-10	ER 16M	22	34	97	0.5	0.5
HSK-A 100 ER 16 096 MLC	K10168149262245	100	M3-M12	1-10	ER 16	32	34	96	0.5	0.5
HSK-A 100 ER 20 097 MLC	K10168150562245	100	M3-M16	3.5-10	ER 20	35	34	97	0.5	0.5
HSK-A 100 ER 25 101 MLC	K10168151261245	100	M3-M20	3.5-16	ER 25	42	45	101	0.5	0.5
HSK-A 100 ER 32 110 MLC	K10168152156245	100	M4-M27	3.5-20	ER 32	50	45	110	0.5	0.5
HSK-A 100 ER 40 133 MLC	K10168153550245	100	M6-M33	6-26	ER 40	63	62	133	0.5	0.5

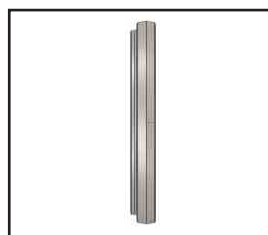
Accessories



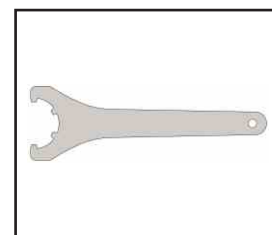
For Tap Collet ER G
Ref. Page No. 236-240



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



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.

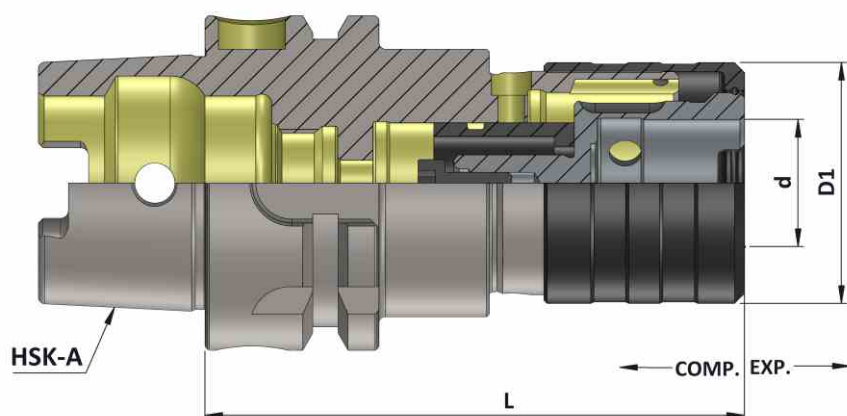
▣ **Features :**

- 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

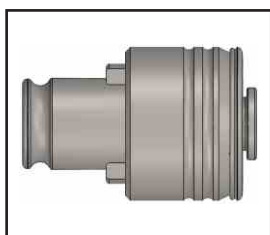




HSK-A (DIN 69893-1) (KWFLK)

Item Name	Item Code	HSK-A	Capacity	Suitable Adaptor	Comp.	Exp.	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	M8-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	M8-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	M8-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



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

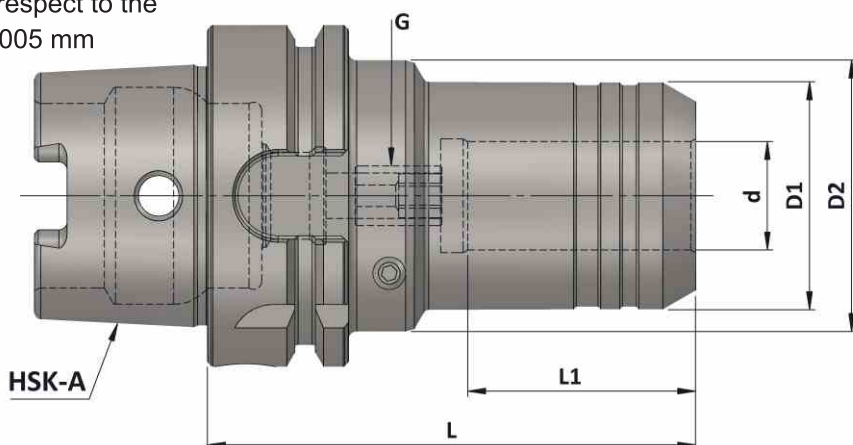


For Tap Adaptor
Reduction Socket KWRE
Ref. Page No. 289

☞ 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



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

(Balanced to 2.5 G 25000 RPM)

Item Name	Item Code	HSK-A	d	D1	D2	G	L	L1
HSK-A 50 HC20S 90 2.5G25000 SL	K10166168141124	50	20	42	60	M16 X 1.0p	90	42
HSK-A 63 HC20S 90 2.5G25000 SL	K10167168141124	63	20	42	50	M16 X 1.0p	90	42
HSK-A 100 HC20S 105 2.5G25000 SL	K10168168152124	100	20	42	50	M16 X 1.0p	105	42
HSK-A 100 HC32S 110 2.5G25000 SL	K10168272156227	100	32	64	75	M16 X 1.0p	110	55

Note: All Dimensions are in mm