



HOLD WELL

HOLD WELL INDUSTRIAL CO., LTD.



Driven & Static
Driven & Tool Holder
Tool Holder

Tool Holder for CNC Lathes



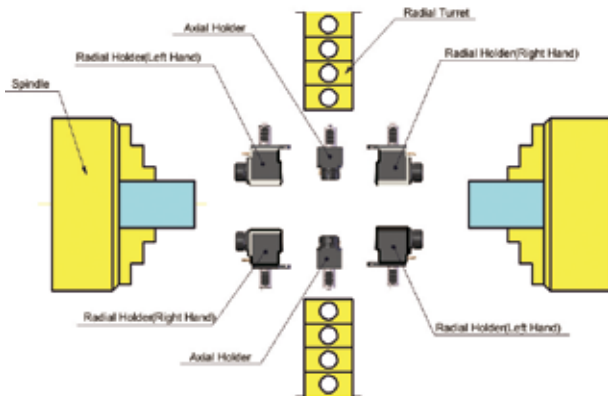
ISO 9001:2008

Driven & Static Tool Holder

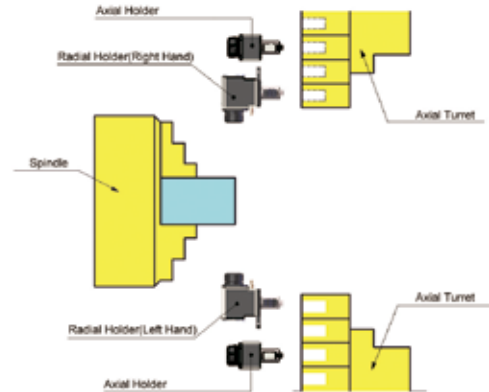


1. Turret Type

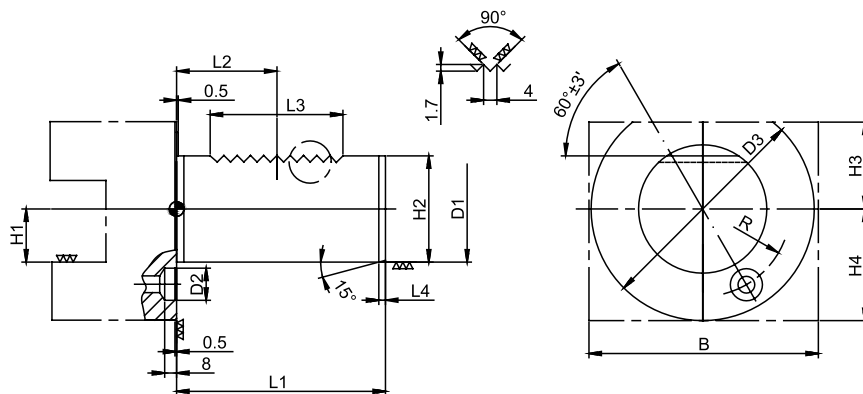
Radial Turret



Axial Turret



2. Driven Tool Holder is produced in accordance with DIN69880



Unit : mm

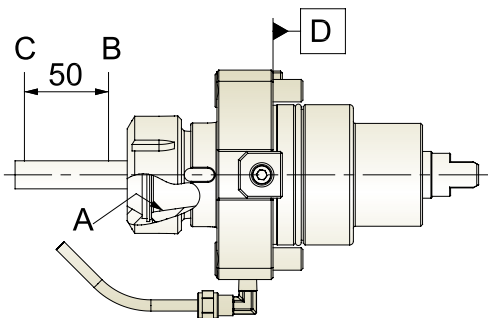
D1 h6	D2	D3	H1 max	H2 ±0.05	H3 min	R ±0.02	L1 max	L2 ±0.05	L3 max	L4 max
20	10	50	16	18	25	18	40	21.7	24	2
25	10	58	16	23.5	25	21	48	21.7	24	2
30	14	68	20	27	28	25	55	29.7	40	2
40	14	83	25	36	32.5	32	63	29.7	40	3
50	16	98	32	45	35	37	78	35.7	48	3
60	16	123	32	55	42.5	48	94	43.7	56	4



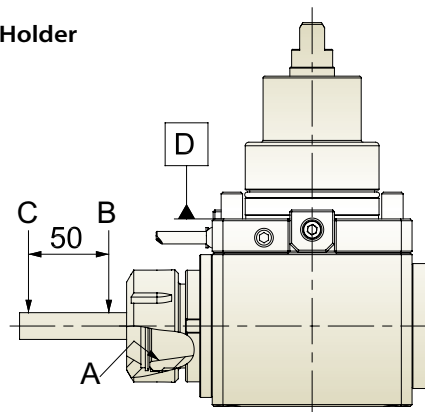
3. Accuracy

- Cavity at Bore (A) : 0.003mm
- Test Bar at Face (B) : 0.01mm
- Test Bar at 50 mm (C) : 0.02mm /
- Test Bar 50 mm for D's Parallelism: 0.01mm /

Axial Tool Holder



Radial Tool Holder



4. Instruction Manual for VDI Driven Tool Holder (Internal Coolant)

※ CAUTIONS :

- Driven Tool Holders with internal coolant through the spindle should never run without coolant. The coolant should flow through the tool before running. Running in dry condition damages the internal seals and cause overheatment.
- To avoid premature wear and damage to the seal system, we recommend to filter the coolant properly.
- Never run the tool above max. permissible RPM.
- Never supply the coolant above max. permissible water pressure
- Please use the through-coolant toolings, coolant collet or coolant nut.
- Please check if there is no block or jam at the internal / external coolant exit.
- Please switch off the external coolant system if only internal coolant function is need.
- How to switch off external coolant system : Please use the screw to block the external coolant exit shown as A in Fig.1 & Fig.2.
- Any hit with hammers and similar items on the surface is seriously forbidden.

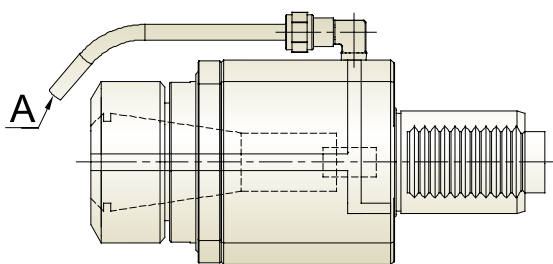


Fig.1

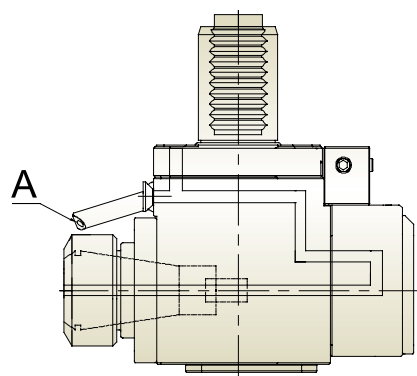


Fig.2

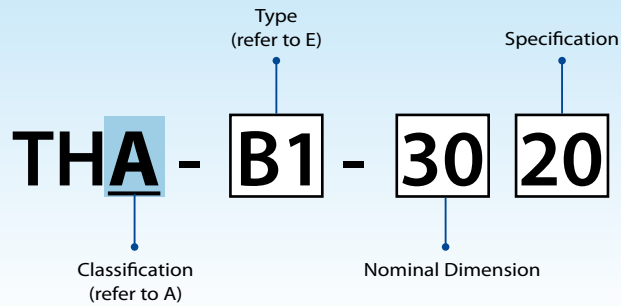
※ Recommendations :

- In initial Start-up, please run the holder properly without any toolings for one hour to reduce the internal friction. Max. RPM in the first operation hour should not exceed 70 % of the Max. permissible RPM.

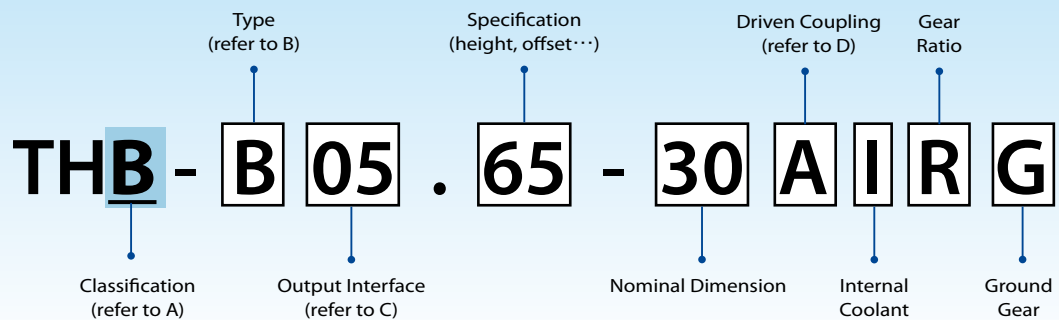


5. Code Standard

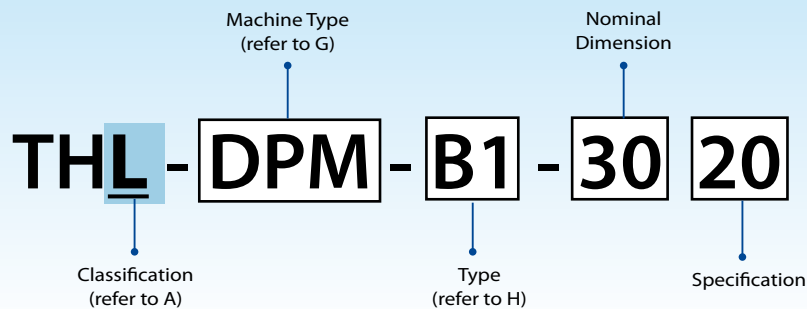
※ VDI Static Tool Holder



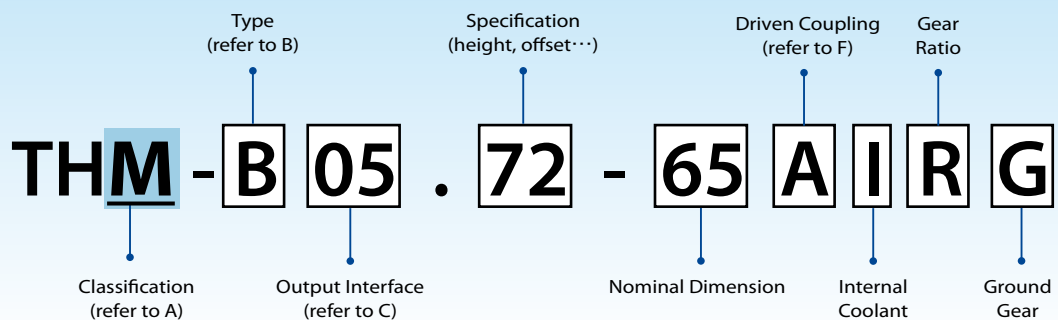
※ VDI Driven Tool Holder



※ BMT Static Tool Holder



※ BMT Driven Tool Holder



Driven & Static Tool Holder



A. Classification of Tool Holder

A	VDI Static Tool Holder	L	BMT Static Tool Holder
B	VDI Driven Tool Holder	M	BMT Driven Tool Holder

B. Type of Driven Tool Holder

A	Axial Tool Holder	D	Radial Offset Tool Holder	R	Axial Swivel Gear Hobber Tool Holder
B	Radial Tool Holder	E	B Axial Swivel Tool Holder	T	Radial Swivel Gear Hobber Tool Holder
C	Axial Offset Tool Holder	H	Radial Double Head Tool Holder		

C. Output Interface

01	ER11	10	Female Thread ER20	24	Face Milling FMB22
02	ER16	11	Female Thread ER25	25	Face Milling FMB27
03	ER20	12	Female Thread ER32	26	Face Milling FMB32
04	ER25	13	Female Thread ER40	36	HSK25
05	ER32	14	Female Thread ER50	37	HSK32
06	ER40	15	ER Tapping TER20	38	HSK40
07	ER50	16	ER Tapping TER32	39	HSK50
08	Female Thread ER11	22	Face Milling FMA25.4	40	HSK63
09	Female Thread ER16	23	Face Milling FMA31.75		

D. VDI Driven Coupling

A	DIN 1809	C	DIN 5482	E	HAAS 104
B	DIN 5480	D	MT (Baruffaldi)	F	HAAS 117

E. VDI Static Tool Holder

B1	Radial Tool Holder right hand, short	BC1	Radial-Axial Tool Holder right hand	E4	ER Collet Chuck Tool Holder
B2	Radial Tool Holder left hand, short	BC2	Radial-Axial Tool Holder left hand	F1	Morse Taper Tool Holder
B3	Radial Tool Holder Overhead right hand, short	BC3	Radial-Axial Tool Holder Overhead right hand	G1	Quick Locking Drill Chuck
B4	Radial Tool Holder Overhead left hand, short	BC4	Radial-Axial Tool Holder Overhead left hand	H1	Cut-off Holder
C1	Axial Tool Holder right hand, short	D1	Multiple Tool Holder	T1	Radial Boring Bar Tool Holder
C2	Axial Tool Holder left hand, short	D2	Multiple Tool Holder	TA	Test Arbor
C3	Axial Tool Holder Overhead right hand, short	E1	Tool Holder for U Drill	Z2	Plug
C4	Axial Tool Holder Overhead left hand, short	E2	Side Lock Tool Holder		

F. BMT Driven Coupling

A	DOOSAN PUMA	B	DIN 5480	G	MORI SEIKI NL	N	NAKAMURA WT	M	MAZAK
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G. BMT Machine Type

DPM	DOOSAN PUMA	NWT	NAKAMURA WT	MNL	MORI SEIKI NL	MQT	MAZAK QTN
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H. BMT Static Tool Holder

B	Face and ID Tool Holder	E	Axial Tool Holder (ID)	TA	Test Arbor
C	Face and OD Tool Holder	F	Morse Taper Tool Holder	Z	Plug
BC	Radial-Axial Tool Holder	G	Quick Locking Drill Chuck	H	Cut-off Tool Holder
D	Multiple Tool Holder (OD)	T	Boring Bar Tool Holder	CD	Double Face and OD Tool Holder

Driven & Static Tool Holder



Contents

DIN 1809 / DUPLOMATIC

1



DIN 5480 / SAUTER

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DIN 5482 / SAUTER

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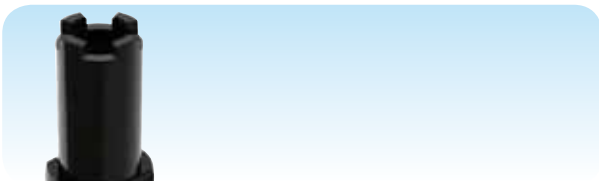
SPUR MT TOEM

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HAAS

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VDI Quick Change Tool Holder

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VDI Static Tool Holder

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B1



B2



B3



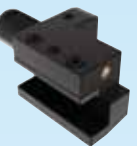
B4



C1



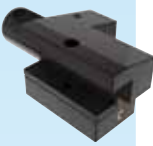
C2



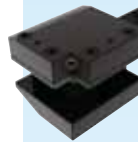
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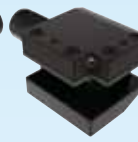
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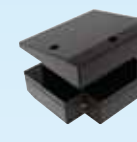
B1/C1



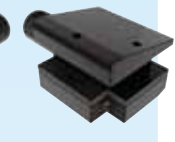
B2/C2



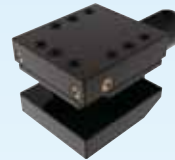
B3/C3



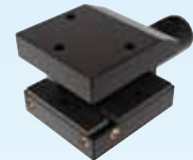
B4/C4



D1



D2



E1



E2



E4



F



G



T



TA



Z





Contents

BMT (DOOSAN)

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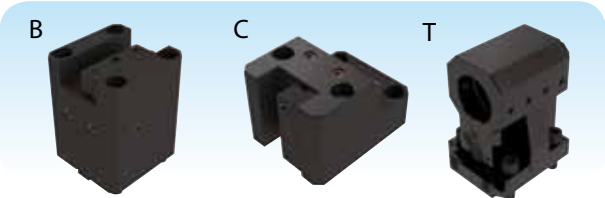
BMT (SAUTER)

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BMT Static Tool Holder - DOOSAN

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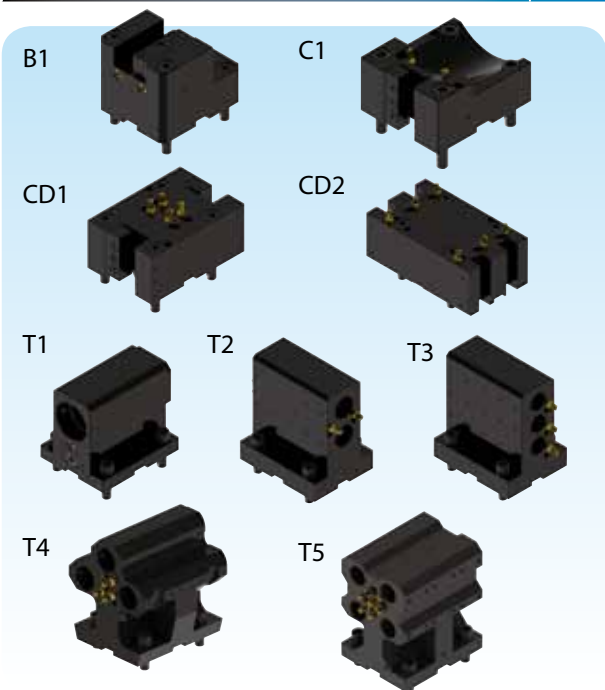
MORI SEIKI

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BMT Static Tool Holder - MORI SEIKI

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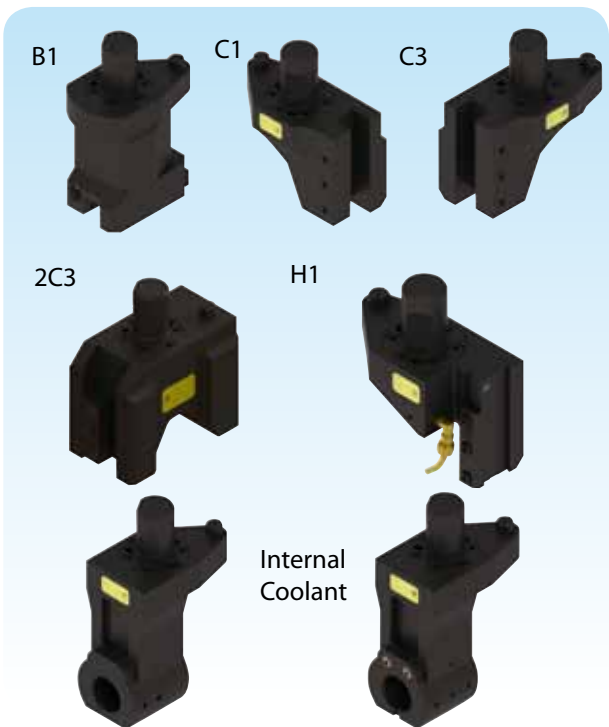
MAZAK

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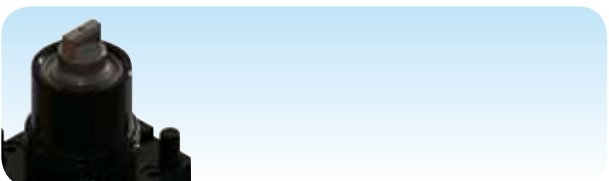
VDI Static Tool Holder - MAZAK

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NAKAMURA

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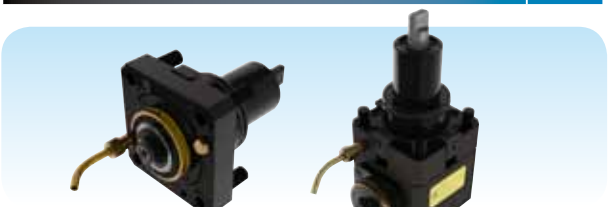
BMT Static Tool Holder - NAKAMURA

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BMT Quick Change Tool Holder

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Driven & Static Tool Holder

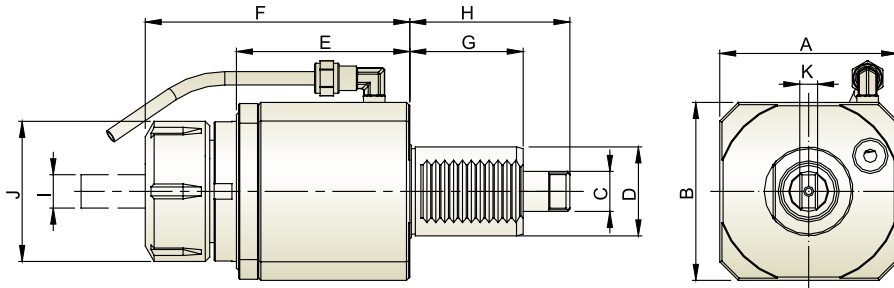


Axial Tool Holder (External Coolant)

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- Supply external coolant.
- For left hand and right hand turret.

R.P.M. : Max. 6,000 RPM

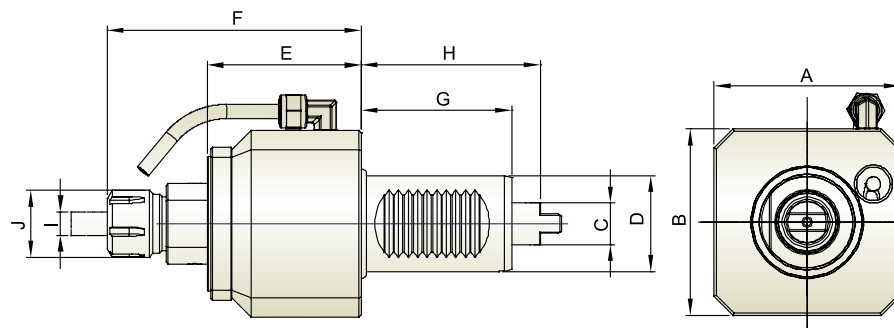


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	N.W.(KG)
THB-A04-30A	62	62	12	30	60.5	87	45	62	ER25 (2~16)	42	6	2.0
THB-A05-30A	64	64	12	30	64	98	45	62	ER32 (3~20)	50	6	2.3
THB-A05-40A	78	78	18	40	63	94	51	72	ER32 (3~20)	50	8	3.4
THB-A06-40A	80	80	18	40	78	119	51	72	ER40 (4~26)	63	8	4.3
THB-A06-50A	86	86	25	50	82	124	68	92	ER40 (4~26)	63	13	5.5
THB-A07-60A	104	104	27.8	60	110.5	152	78	110	ER50 (12~34)	78	14	9.6

Axial ER Tapping Tool Holder (External Coolant)

R.P.M. : Max. 3,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A15-40A	78	78	18	40	63	106	51	72	M3~M12	34	3

Driven & Static Tool Holder



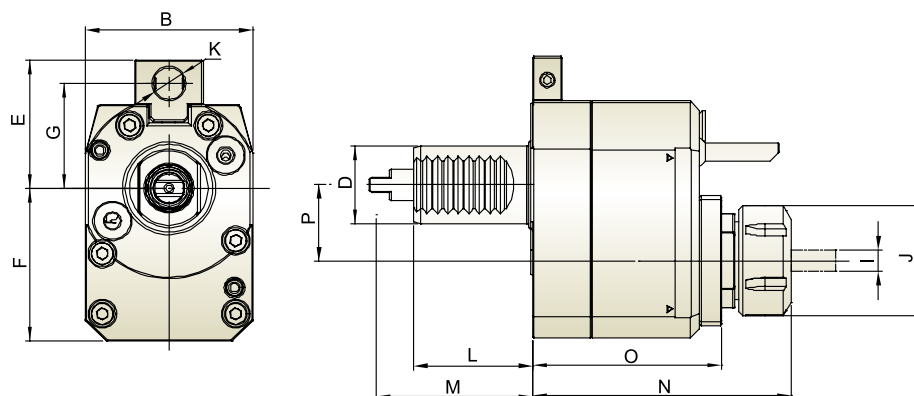
Axial Offset Tool Holder (External Coolant)

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to DIN 1809.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM



Unit : mm

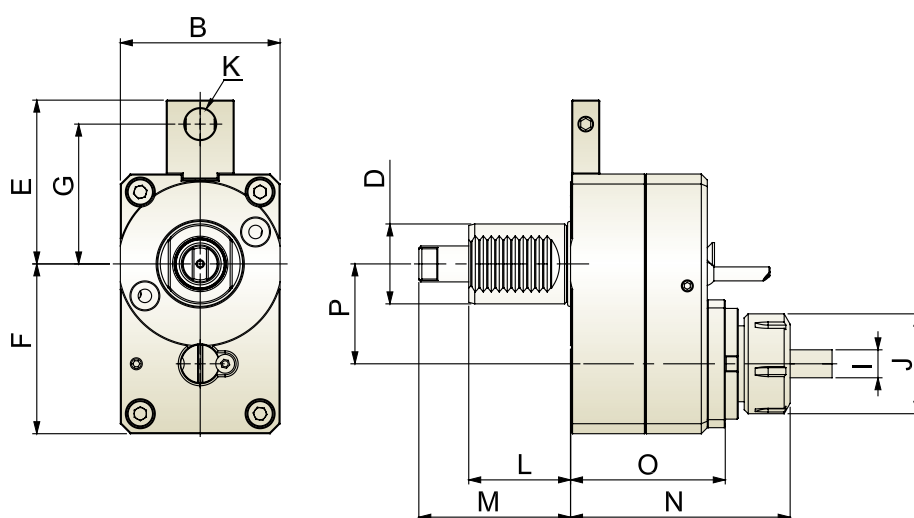
Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30A	64	30	57	58.5	48	ER25 (2~16)	42	12	45	62	99.5	73	29	3.0
THB-C05.50-40A	80	40	75/82	85	63/70	ER32 (3~20)	50	16	51	72	110	77.5	50	6.0

Axial Offset Tool Holder (Internal Coolant)

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM

 Internal Coolant : 30 bar



Unit : mm

Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30AI	64	30	57	58.5	48	ER25 (2~16)	42	12	45	62	109.5	83	29	3.3
THB-C05.50-40AI	80	40	75/82	85	63/70	ER32 (3~20)	50	16	51	76	110	77.5	50	6.3

Driven & Static Tool Holder



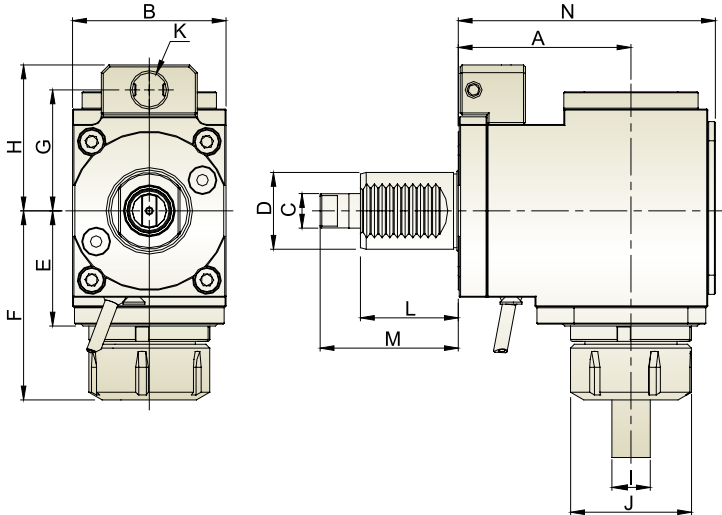
Radial Tool Holder (External Coolant)

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to DIN 1809.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B04.55-30A	55	64	12	30	39.5	66	40/63	50/73	ER25 (2~16)	42	12	45	62	86.5	3.0
THB-B05.65-30A	65	64	12	30	47	75	40/63	50/73	ER32 (3~20)	50	12	45	62	101	3.7
THB-B05.65-40A	65	76	18	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	72	101	5.1
THB-B06.90-40A	90	80	18	40	60	98.5	63/70	73/80	ER40 (4~26)	63	16	51	72	134	8.1
THB-B06.145-40A	145	80	18	40	60	98.5	63/70	73/80	ER40 (4~26)	63	16	51	72	189	10.9
THB-B06.92-50A	92	86	25	50	60	100	70/88	83/101	ER40 (4~26)	63	18	68	92	136	9

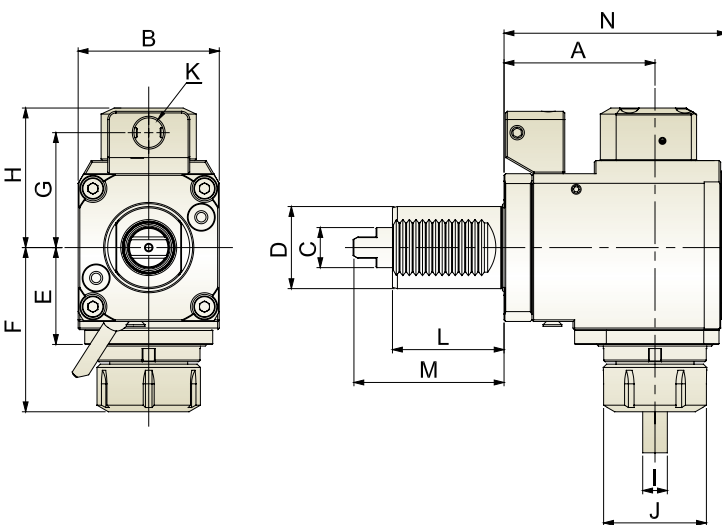
※ Further option : 6000 RPM

Radial Tool Holder (Internal Coolant)

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM

 Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B04.55-30AI	55	64	12	30	39.5	66	40/63	68	ER25 (2~16)	42	12	45	62	86.5	3.2
THB-B05.65-30AI	65	64	12	30	47	75	40/63	72	ER32 (3~20)	50	12	45	62	101	3.9
THB-B05.65-40AI	65	76	18	40	49	81.5	63/70	74	ER32 (3~20)	50	16	51	72	101	5.1
THB-B06.92-50AI	92	86	25	50	60	100	70/88	92.5	ER40 (4~26)	63	18	68	92	136	9

※ Further option : 6000 RPM



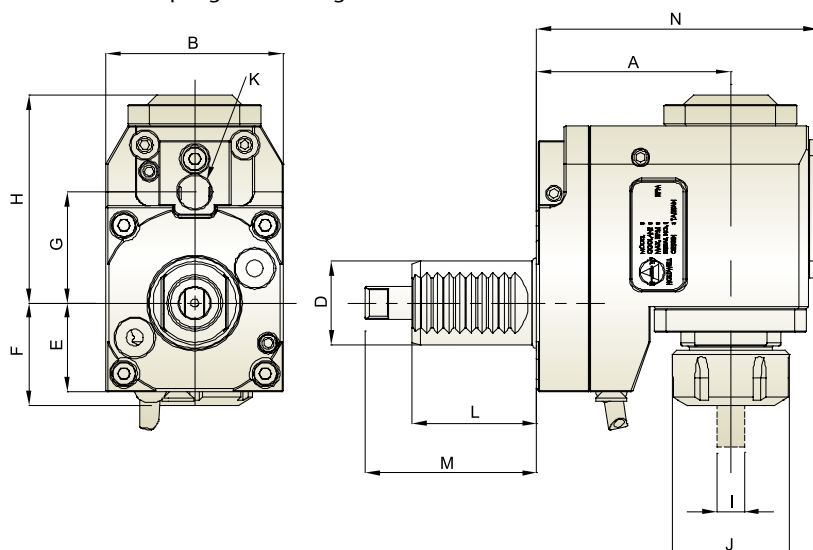
Radial Offset Tool Holder (External Coolant)

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30A	70	64	30	32	37	40/63	75	ER25 (2~16)	42	12	45	62	101.5	4.0
THB-D05.90-40A	90	80	40	38	31.5	63/70	102	ER32 (3~20)	50	16	51	72	125.5	7.2
THB-D07.102-60A	102	104	60	54	75	89	116	ER50 (12~34)	78	16	78	110	154	14

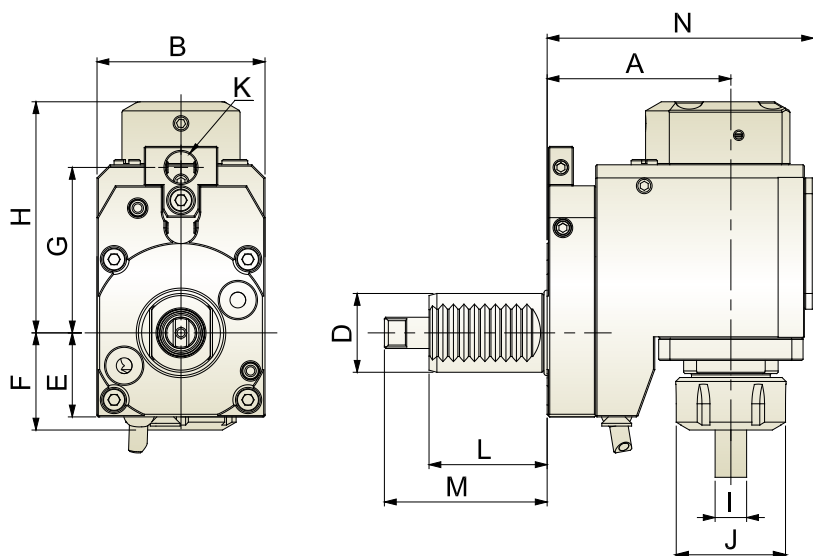
※ Further option : 6000 RPM

Radial Offset Tool Holder (Internal Coolant)

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM

Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30AI	70	64	30	32	37	40/63	97	ER25 (2~16)	42	12	45	62	101.5	4.0
THB-D05.90-40AI	90	80	40	38	31.5	63/70	124	ER32 (3~20)	50	16	51	72	125.5	7.2
THB-D07.102-60AI	102	104	60	54	75	89	138	ER50 (12~34)	78	16	78	110	154	14

※ Further option : 6000 RPM



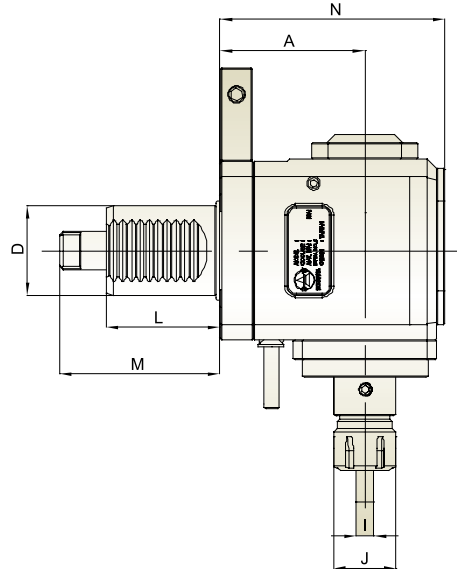
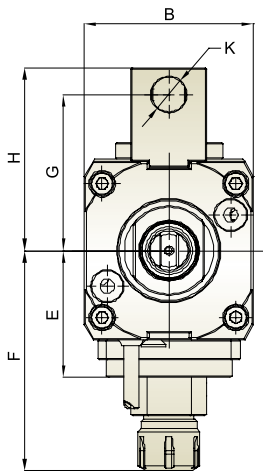
Radial ER Tapping Tool Holder (External Coolant)

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 3,000 RPM



Unit : mm

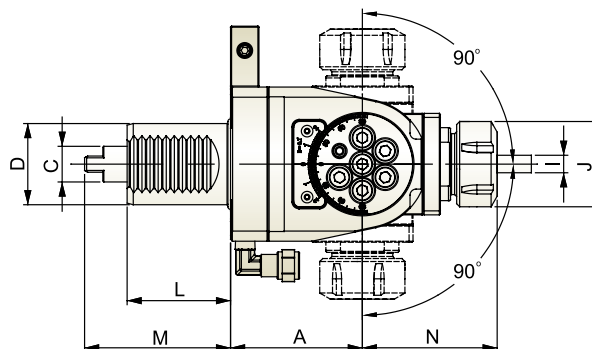
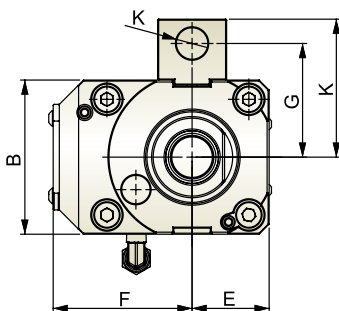
Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B15.65-40A	65	76	40	57	99	56/6370	68/75/82	M3~M12	34	16	51	72	101	4.9

Angle Adjustable Tool Holder (External Coolant)

- Cutting angle can be set from +90 to -90 degree for various applications.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

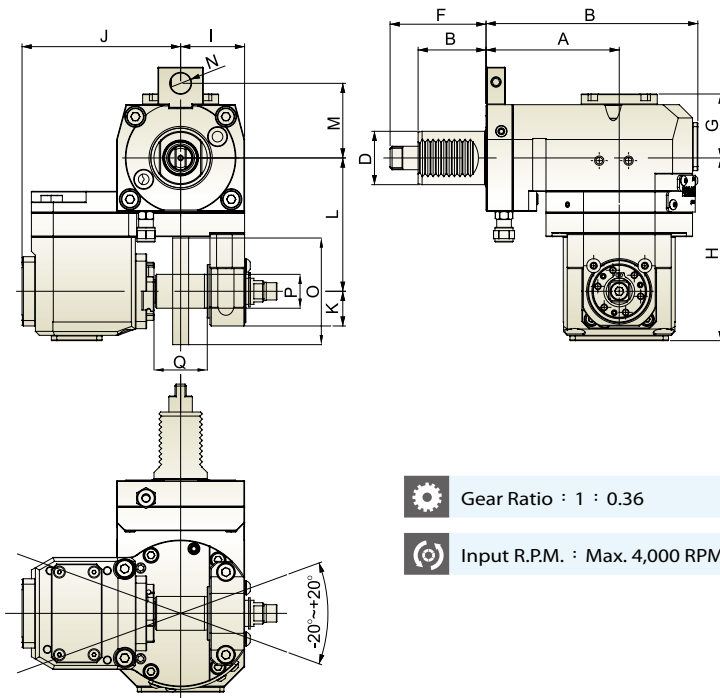
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-E04.65-40A	65	76	18	40	38	68.5	63/70	75/82	ER25 (2~16)	42	16	51	68	85	4.65

※ Optional Accessories : Hook Spanner.



Radial Swivel Gear Hobber Tool Holder (External Coolant)

DIN 1809



- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20 degree for various applications.
- Suitable for machining Spur Gear and Bevel Gear.



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(KG)
THB-T29.100-40AR0.36	100	159	40	51	68	48	137	48	119	26	100	56/63/70	15.5	80	22/25.4/27/31.75	40	11.7
THB-T29.100-50AR0.36	100	159	50	51	68	48	137	48	119	26	100	70/88	18	80	22/25.4/27/31.75	40	12.8

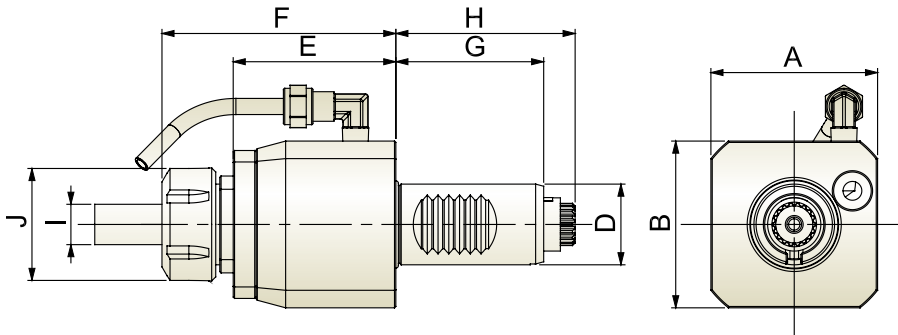


Axial Tool Holder (External Coolant)

DIN 5480

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- Driven Coupling is according to DIN 5480.

 R.P.M. : Max. 6,000 RPM



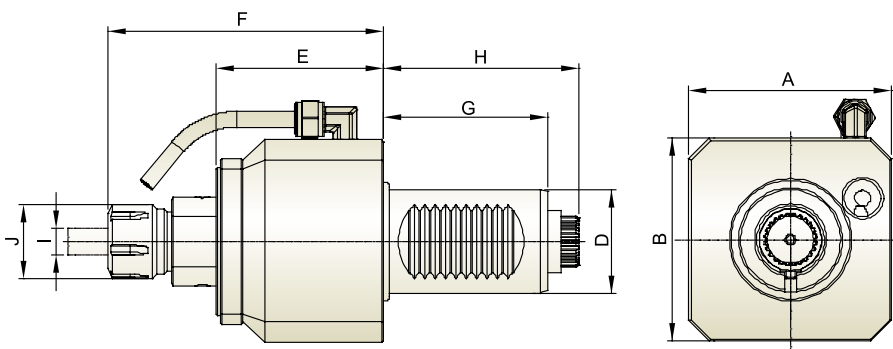
Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A02-20B	30	30	20	49	74	40	46.5	ER16 (1~10)	32	1.1
THB-A04-30B	62	62	30	60.5	87	55	67	ER25 (2~16)	42	2.0
THB-A05-40B	78	78	40	63	94	63	75	ER32 (3~20)	50	4.0
THB-A06-50B	86	86	50	82	124	78	92.7	ER40 (4~26)	63	5.5

Axial ER Tapping Tool Holder (External Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- Driven Coupling is according to DIN 5480.

 R.P.M. : Max. 3,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A15-40B	78	78	40	63	106	63	75	M3~M12	34	3

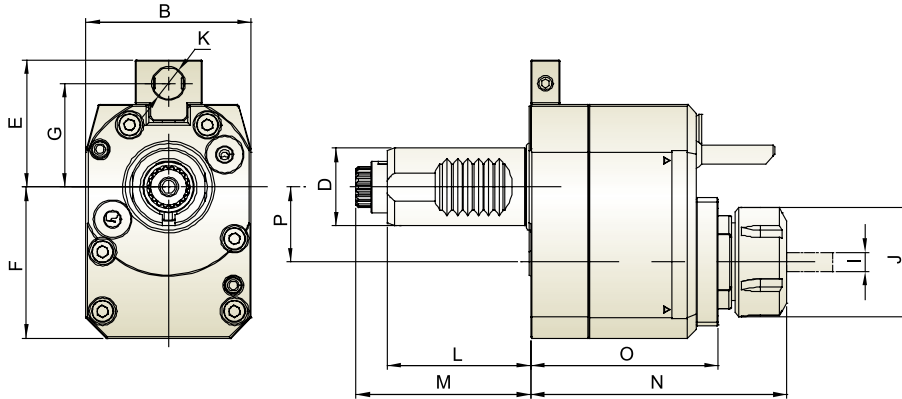


Axial Offset Tool Holder (External Coolant)

DIN 5480

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM



Unit : mm

Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30B	64	30	49/57/59	58.5	40/48/50	ER25 (2~16)	42	13	55	67	99.5	73	29	3.0
THB-C05.50-40B	80	40	75/82	85	63/70	ER32 (3~20)	50	16	63	75	110	77.5	50	6.0

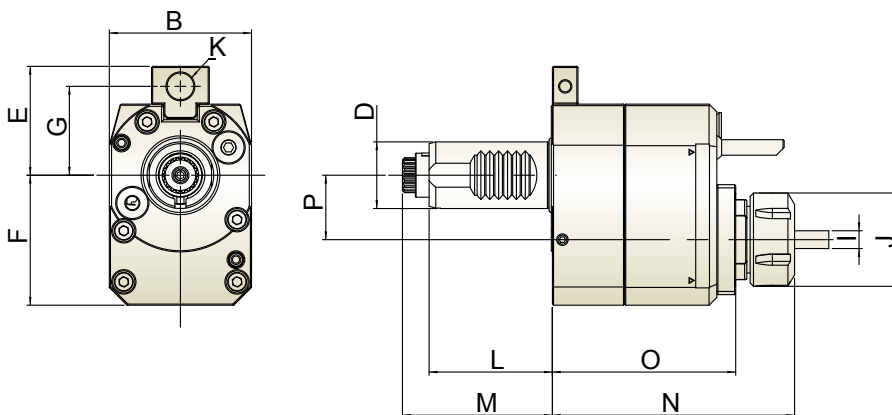
Axial Offset Tool Holder (Internal Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM

 Internal Coolant : 30 bar



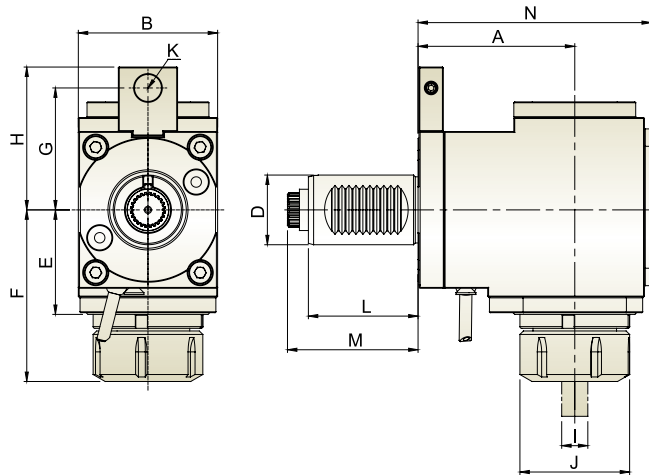
Unit : mm

Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30BI	64	30	49/57/59	58.5	40/48/50	ER25 (2~16)	42	13	55	67	99.5	83	29	3.0



Radial Tool Holder (External Coolant)

DIN 5480



Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



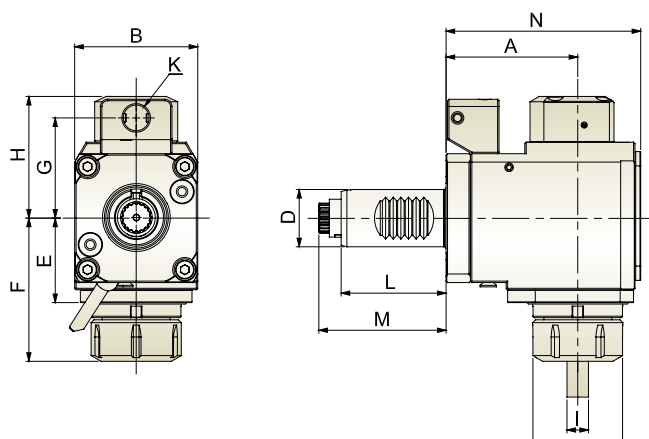
Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B02.48-20B	48	50	20	34.5	60.5	70	78.5	ER16 (1~10)	32	12	40	46.5	71.5	1.5
THB-B04.55-30B	55	64	30	39.5	66	48/63	50/73	ER25 (2~16)	42	12	45	67	86.5	3.0
THB-B04.85-30B	85	64	30	39.5	66	48/63	50/73	ER25 (2~16)	42	12	45	67	116.5	3.7
THB-B04.100-30B	100	64	30	39.5	66	48/63	50/73	ER25 (2~16)	42	12	45	67	131.5	4.2
THB-B05.65-40B	65	76	40	49	81.5	56/63/70	68/75/82	ER32 (3~20)	50	16	63	75	101	5.1
THB-B05.85-40B	85	76	40	49	81.5	56/63/70	68/75/82	ER32 (3~20)	50	16	63	75	121	6
THB-B05.100-40B	100	76	40	49	81.5	56/63/70	68/75/82	ER32 (3~20)	50	16	63	75	136	6.6
THB-B06.92-50B	92	86	50	60	100	63/70	76/83	ER40 (4~26)	63	18	78	92.7	136	9

※ Further option : 6000 RPM

Radial Tool Holder (Internal Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.



Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM

Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	淨重 (KG)
THB-B04.55-30BI	55	64	30	39.5	66	48/63	68	ER25 (2~16)	42	12	45	67	86.5	3.2
THB-B04.85-30BI	85	64	30	39.5	66	48/63	68	ER25 (2~16)	42	12	45	67	116.5	3.9
THB-B04.100-30BI	100	64	30	39.5	66	48/63	68	ER25 (2~16)	42	12	45	67	131.5	4.4
THB-B05.65-40BI	65	76	40	49	81.5	56/63/70	74	ER32 (3~20)	50	16	63	75	101	5.3
THB-B05.85-40BI	85	76	40	49	81.5	56/63/70	74	ER32 (3~20)	50	16	63	75	121	6.2
THB-B05.100-40BI	100	76	40	49	81.5	56/63/70	74	ER32 (3~20)	50	16	63	75	136	6.8
THB-B06.92-50BI	92	86	50	60	100	63/70	87.5	ER40 (4~26)	63	18	78	92.7	136	9

※ Further option : 6000 RPM

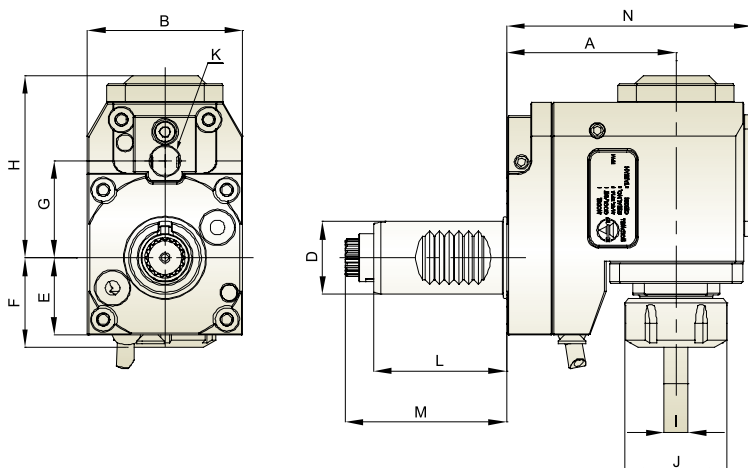


Radial Offset Tool Holder (External Coolant)

DIN 5480

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30B	70	64	30	32	37	48/63	75	ER25 (2~16)	42	12	55	66.7	101.5	3.6
THB-D04.100-30B	100	64	30	32	37	48/63	75	ER25 (2~16)	42	12	55	66.7	131.5	4.6
THB-D05.100-40B	100	80	40	38	31.5	56/63/70	115	ER32 (3~20)	50	16	63	75	125.5	7.2

※ Further option : 6000 RPM

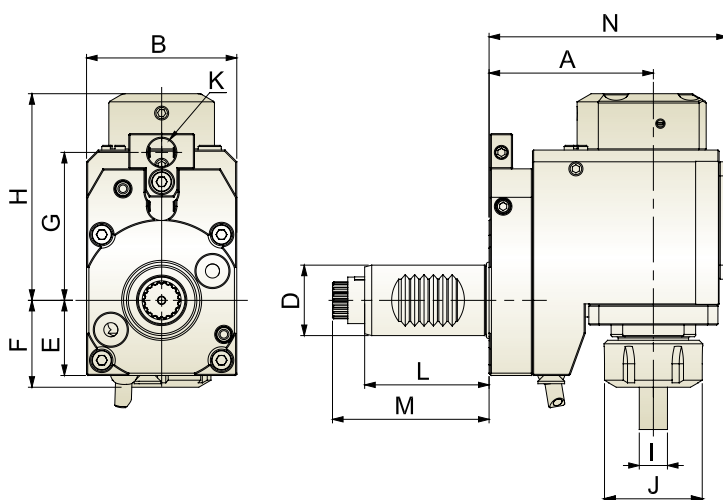
Radial Offset Tool Holder (Internal Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM

 Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30BI	70	64	30	32	37	48/63	97	ER25 (2~16)	42	12	55	67	101.5	4.0
THB-D04.100-30BI	100	64	30	32	37	48/63	97	ER25 (2~16)	42	12	55	67	131.5	5.0
THB-D05.100-40BI	100	80	40	38	31.5	56/63/70	124	ER32 (3~20)	50	16	63	75	125.5	7.2

※ Further option : 6000 RPM

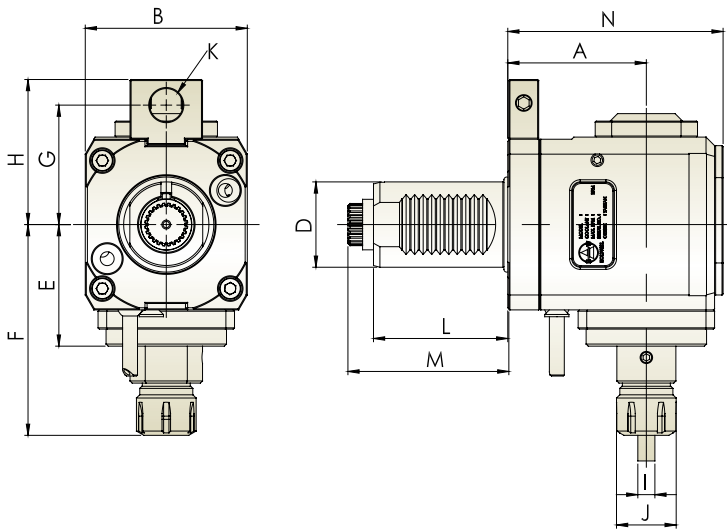


Radial ER Tapping Tool Holder (External Coolant)

DIN 5480

 Gear Ratio : 1 : 1

 R.P.M. : Max. 3,000 RPM



Unit : mm

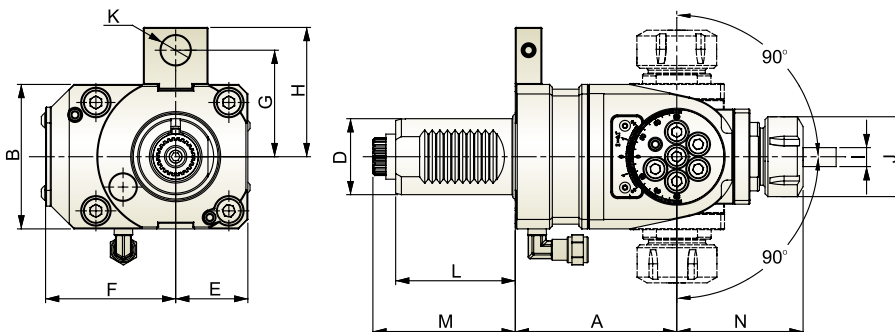
Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B15.65-40B	65	76	40	57	99	56/63/70	68/75/82	M3~M12	34	16	68	75	101	4.9
THB-B15.85-40B	85	76	40	57	99	56/63/70	68/75/82	M3~M12	34	16	68	75	121	5.8
THB-B15.100-40B	100	76	40	57	99	56/63/70	68/75/82	M3~M12	34	16	68	75	136	6.4

Angle Adjustable Tool Holder (External Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.
- Cutting angle can be set from +90 to -90 degree for various application.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-E04.85-40B	85	76	40	38	68.5	56/63/70	68/75/82	ER25 (2~16)	42	16	51	75	85	5.6

※ Optional Accessories : Hook Spanner.



Axial Swivel Gear Hobber Tool Holder (External Coolant)

DIN 5480

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20

degree for various applications.

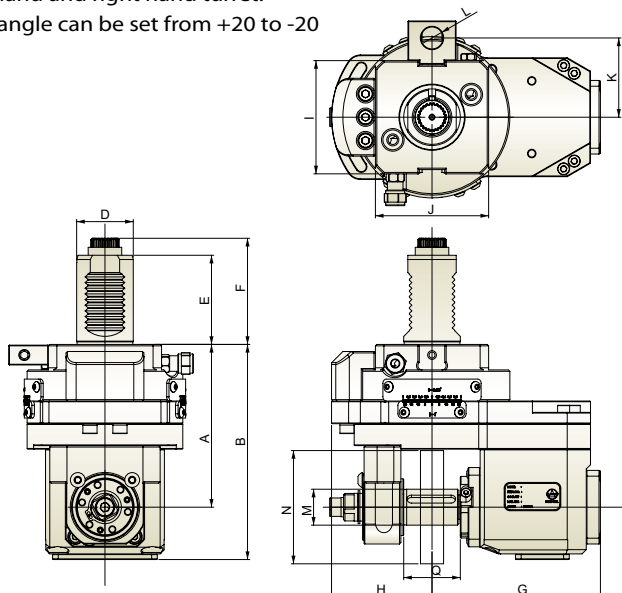
- Suitable for machining Spur Gear and Bevel Gear.



Gear Ratio : 1 : 0.36



Input R.P.M.: Max. 4,000RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(KG)
THB-R29.115-40BR0.36	115	152	114	40	63	75	80	15.5	71	119	26	80	56/63/70	80	22/25.4/27/31.75	40	8.5
THB-R29.115-50BR0.36	115	152	114	50	78	92.7	90	18	71	119	26	86	64	80	25.4	40	9.6

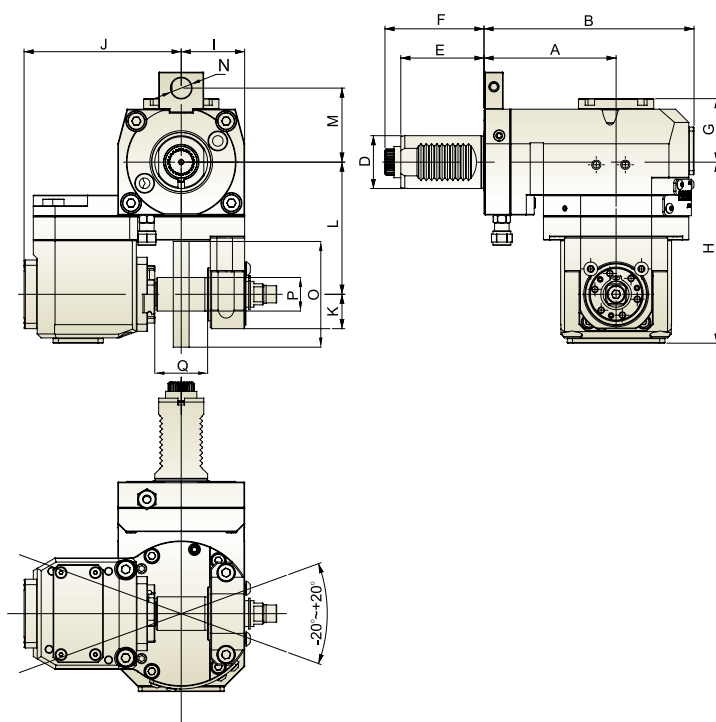
Radial Swivel Gear Hobber Tool Holder (External Coolant)



Gear Ratio : 1 : 0.36



Input R.P.M.: Max. 4,000RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(KG)
THB-T29.100-40BR0.36	100	159	40	51	75	48	137	48	119	26	100	56/63/70	15.5	80	22/25.4/27/31.75	40	11.7
THB-T29.100-50BR0.36	100	159	50	51	75	48	137	48	119	26	100	70/88	18	80	22/25.4/27/31.75	40	12.8

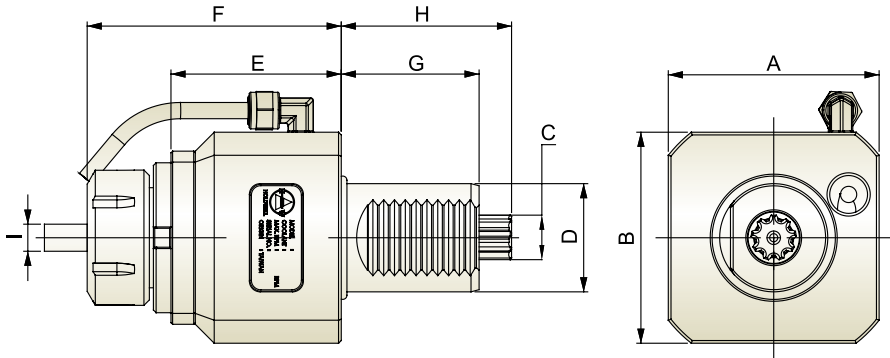


Axial Tool Holder (External Coolant)

DIN 5482

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to DIN 5482.

 R.P.M. : Max. 6,000 RPM

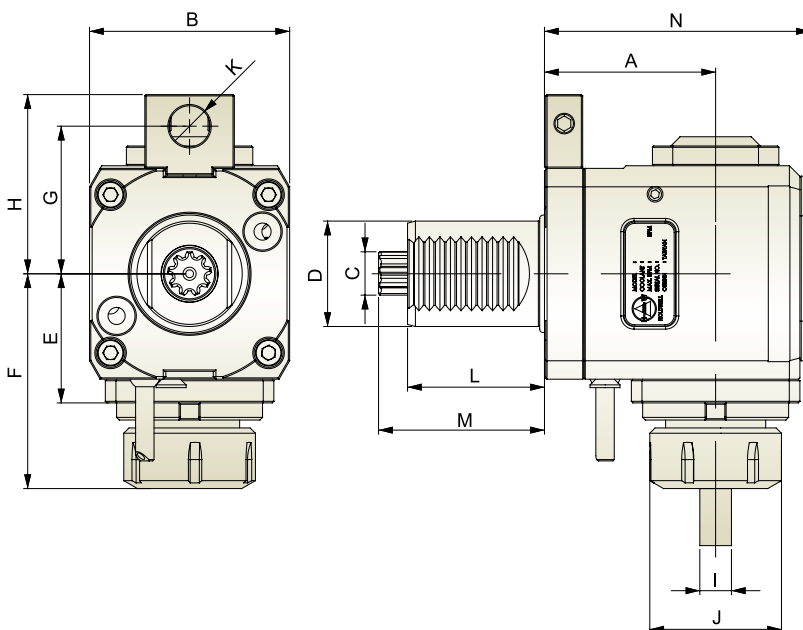


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A04-30C	62	62	B15*12	30	60.5	87	45	55	ER25 (2~16)	42	2.3
THB-A05-40C	78	78	B17*14	40	63	94	51	63	ER32 (2~20)	50	3.3
THB-A06-40C	80	80	B17*14	40	78	119	51	63	ER40 (4~26)	63	4.3
THB-A06-50C	86	86	B20*17	50	82	124	68	93	ER40 (4~26)	63	5.5

※ Further option : 6000 RPM

Radial Tool Holder (External Coolant)



 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B04.55-30C	55	64	B15*12	30	39.5	66	40/63	50/73	ER25 (2~16)	42	12	45	55	86.5	3.7
THB-B05.65-40C	65	76	B17*14	40	49	81.5	56/63/70	68/75/82	ER32 (3~20)	50	16	51	63	101	5.1
THB-B06.90-40C	90	80	B17*14	40	60	98.5	56/63/70	68/75/82	ER40 (4~26)	63	16	51	63	134	8.1
THB-B06.92-50C	92	86	B20*17	50	60	100	70/88	83/101	ER40 (4~26)	63	18	68	93	136	9

※ Further option : 6000 RPM

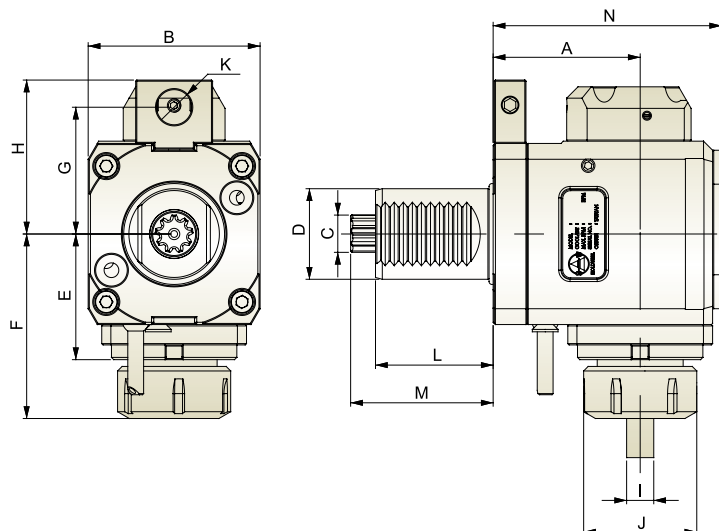


Radial Tool Holder (Internal Coolant)

DIN 5482

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5482.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.

	Gear Ratio : 1 : 1
	R.P.M. : Max. 4,000 RPM
	Internal Coolant : 30 bar



Unit : mm

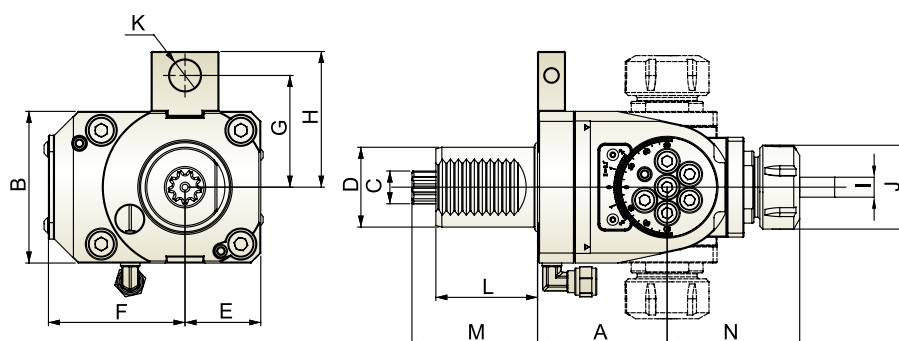
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B05.65-40CI	65	76	B17*14	40	49	81.5	56/63/70	68/75/82	ER32 (3~20)	50	16	51	63	101	5.3

※ Further option : 6000 RPM

Angle Adjustable Tool Holder (External Coolant)

- Cutting angle can be set from +90 to -90 degree for various applications.

	Gear Ratio : 1 : 1
	R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-E04.65-40C	65	76	B17*14	40	38	68.5	56/63/70	68/75/82	ER25 (2~16)	42	16	51	63	85	5.6

※ Optional Accessories : Hook Spanner.

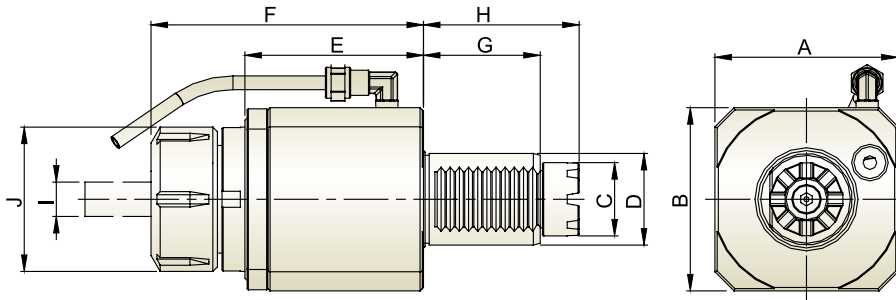


Axial Tool Holder (External Coolant)

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

R.P.M. : Max. 6,000 RPM

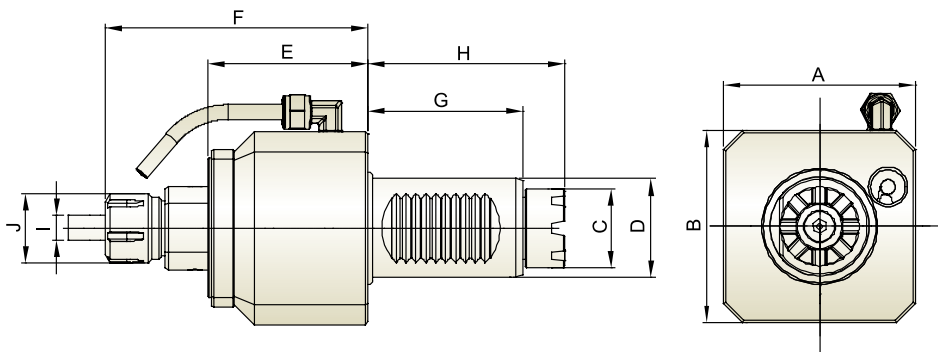


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A04-30D	62	62	24	30	60.5	87	45	59	ER25 (2~16)	42	1.9
THB-A05-30D	64	64	24	30	64	98	45	59	ER32 (3~20)	50	2.3
THB-A05-40D	78	78	32	40	63	94	51	68	ER32 (3~20)	50	3.3
THB-A06-40D	80	80	32	40	78	119	51	68	ER40 (4~26)	63	4.3
THB-A06-50D	86	86	40	50	82	124	68	84	ER40 (4~26)	63	5.5
THB-A07-60D	104	104	53.2	60	110.5	152	78	100	ER50 (12~34)	78	9.6
THB-A07-80D	158	158	57	80	130	183.5	111	130	ER50 (12~34)	78	23

Axial ER Tapping Tool Holder (External Coolant)

R.P.M. : Max. 3,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A15-40D	78	78	32	40	63	106	51	68	M3~M12	34	3.1



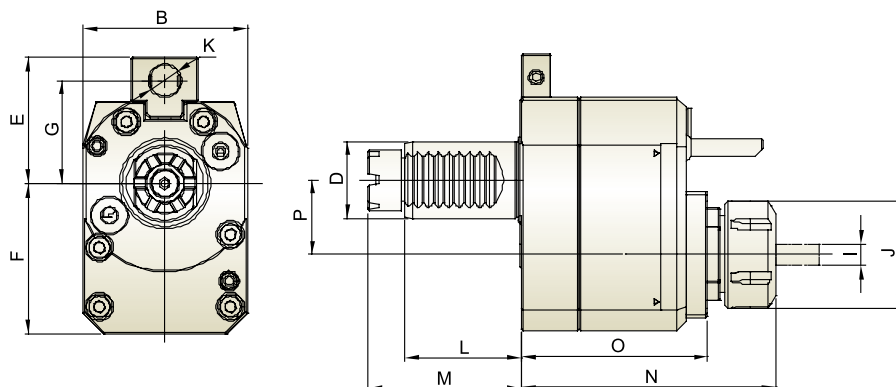
Axial Offset Tool Holder (External Coolant)

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM



Unit : mm

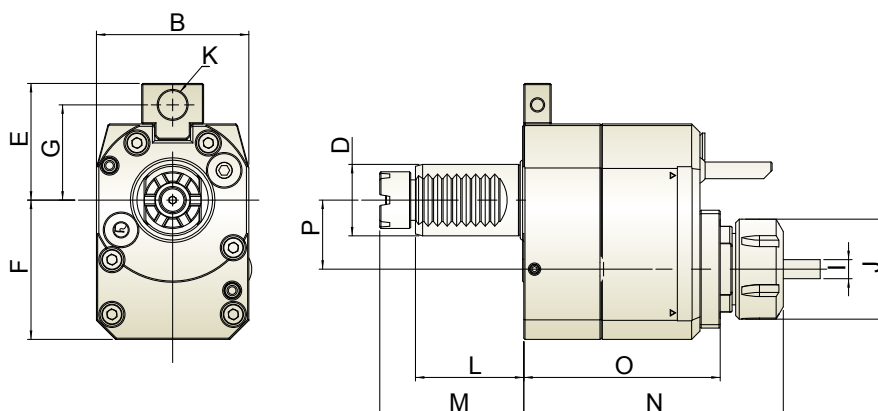
Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30D	64	30	57	58.5	48	ER25 (2~16)	42	12	45	62	99.5	73	29	3.0
THB-C05.50-40D	80	40	75/82	85	63/70	ER32 (3~20)	50	16	51	72	110	77.5	50	6.0

Axial Offset Tool Holder (Internal Coolant)

 Gear Ratio : 1 : 1

 R.P.M. : Max. 5,000 RPM

 Internal Coolant : 30 bar



Unit : mm

Model No.	B	D	E	F	G	I	J	K	L	M	N	O	P	N.W.(KG)
THB-C04.29-30DI	64	30	57	58.5	48	ER25 (2~16)	42	12	45	62	109.5	83	29	3.3
THB-C05.50-40DI	80	40	75/82	85	63/70	ER32 (3~20)	50	16	51	72	110	77.5	50	6.3

※ Further option : 6000 RPM



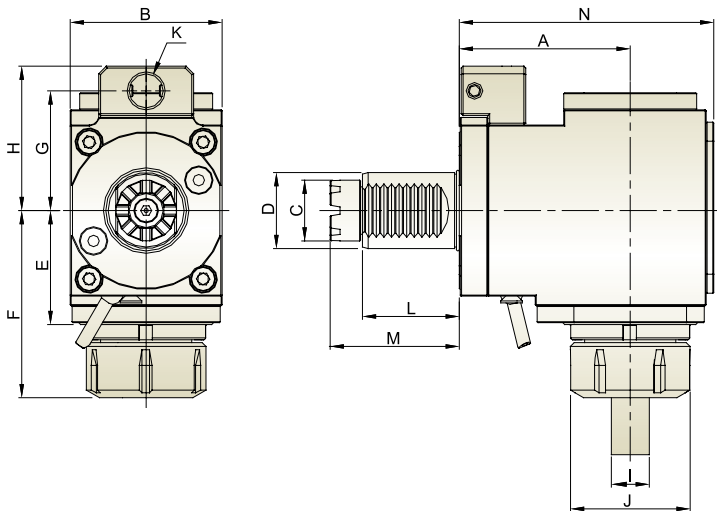
Radial Tool Holder (External Coolant)

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B04.55-30D	55	64	24	30	39.5	66	40/63	50/73	ER25 (2~16)	42	12	45	59	86.5	3.0
THB-B05.65-30D	65	64	24	30	47	75	40/63	50/73	ER32 (3~20)	50	12	45	59	101	3.7
THB-B05.65-40D	65	76	32	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	68	101	5.1
THB-B06.90-40D	90	80	32	40	60	98.5	63/70	73/80	ER40 (4~26)	63	16	51	68	134	8.1
THB-B06.92-50D	92	86	40	50	60	100	70/88	83/101	ER40 (4~26)	63	18	68	84	136	9

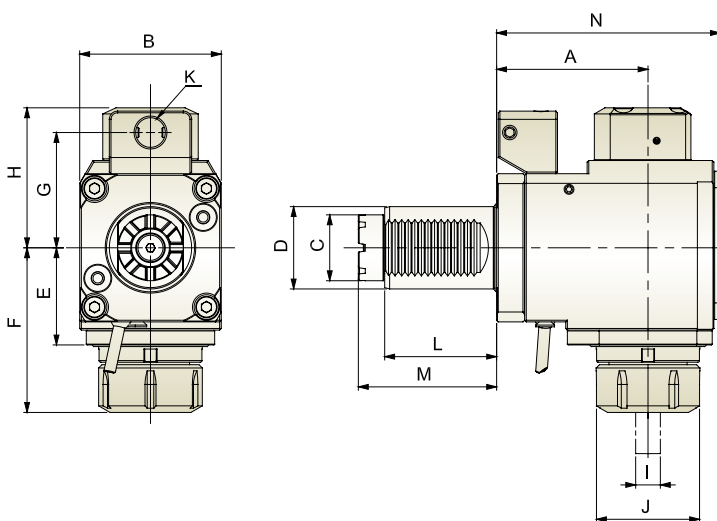
※ Further option : 6000 RPM

Radial Tool Holder (Internal Coolant)

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM

Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B04.55-30DI	55	64	24	30	39.5	66	40/63	68	ER25 (2~16)	42	12	45	59	86.5	3.2
THB-B05.65-30DI	65	64	24	30	47	75	40/63	72	ER32 (3~20)	50	12	45	59	101	3.7
THB-B05.65-40DI	65	76	32	40	49	81.5	63/70	74	ER32 (3~20)	50	16	51	68	101	5.1
THB-B06.92-50DI	92	86	40	50	60	100	70/88	92.5	ER40 (4~26)	63	18	68	84	136	9

※ Further option : 6000 RPM



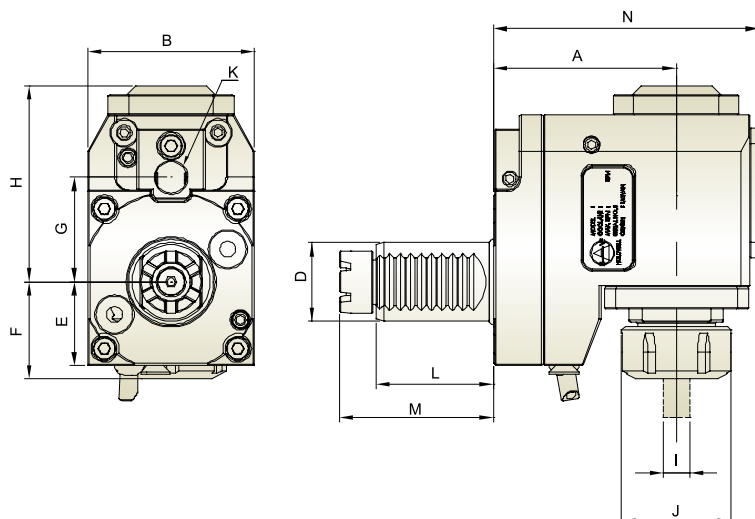
Radial Offset Tool Holder (External Coolant)

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30D	70	64	30	32	37	40/63	75	ER25 (2~16)	42	12	45	59	101.5	4.0
THB-D05.90-40D	90	80	40	38	31.5	63/70	102	ER32 (3~20)	50	16	51	68	125.5	7.2
THB-D07.102-60D	102	104	60	54	75	89	116	ER50 (12~34)	78	16	78	100	154	14

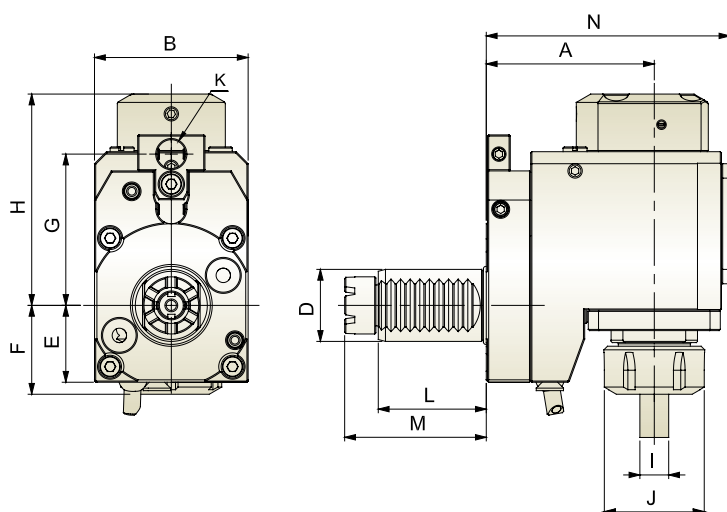
※ Further option : 6000 RPM

Radial Offset Tool Holder (Internal Coolant)

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM

Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-D04.70-30DI	70	64	30	32	37	40/63	97	ER25 (2~16)	42	12	45	59	101.5	4.0
THB-D05.90-40DI	90	80	40	38	31.5	63/70	124	ER32 (3~20)	50	16	51	68	125.5	7.2
THB-D07.102-60DI	102	104	60	54	75	89	138	ER50 (12~34)	78	16	78	110	154	14

※ Further option : 6000 RPM



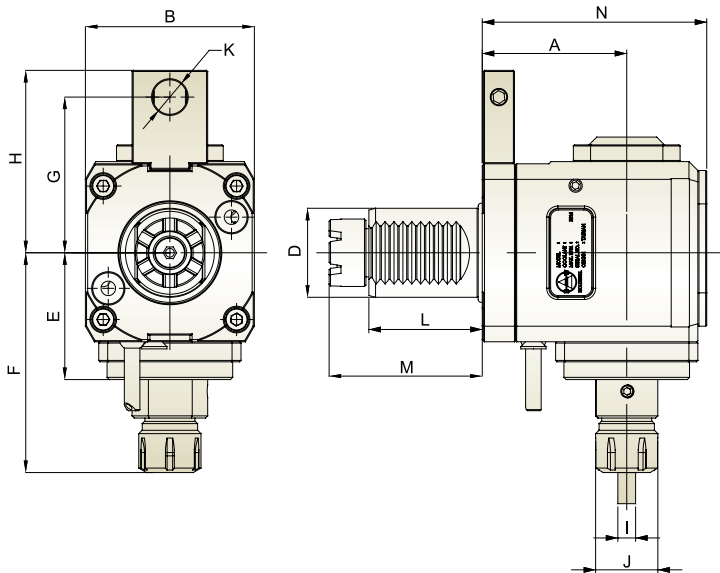
Radial ER Tapping Tool Holder (External Coolant)

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- ER Collet is according to DIN6499.
- For left hand and right hand turret.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 3,000 RPM



Unit : mm

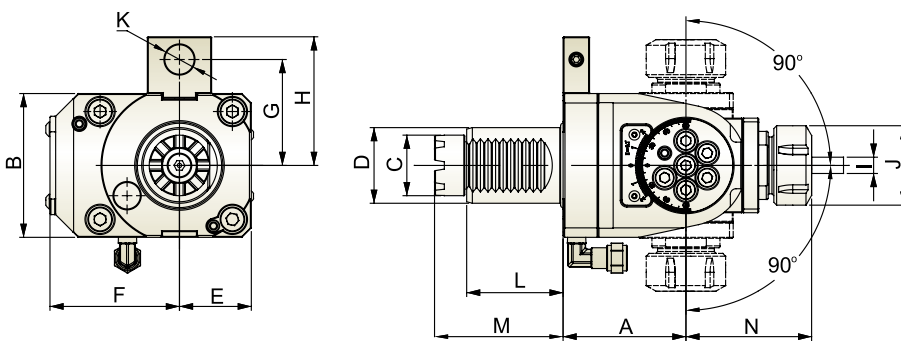
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B15.65-40D	65	76	32	40	57	99	56/63/70	68/75/82	M3~M12	34	16	68	51	101	4.9

Angle Adjustable Tool Holder (External Coolant)

- Cutting angle can be set from +90 to -90 degree for various applications.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

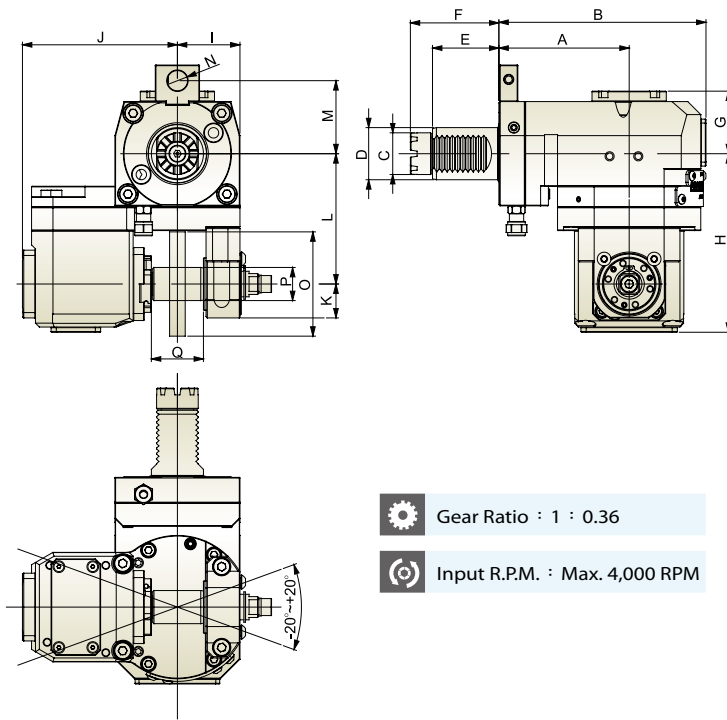
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-E04.65-40D	65	76	32	40	38	68.5	63/70	75/82	ER25 (2~16)	42	16	51	68	85	4.65

※ Optional Accessories : Hook Spanner.



Radial Swivel Gear Hobber Tool Holder (External Coolant)

SPUR MT TOEM



Gear Ratio : 1 : 0.36



Input R.P.M. : Max. 4,000 RPM

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to SPUR MT TOEM.
- For left hand and right hand turret.
- Cutting angle can be set from +20 to -20 degree for various applications.
- Suitable for machining Spur Gear and Bevel Gear.



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	N.W.(KG)
THB-T29.100-40DR0.36	100	159	32	40	51	68	48	137	48	119	26	100	56/63/70	15.5	80	22/25.4/27/31.75	40	11.7
THB-T29.100-50DR0.36	100	159	32	50	51	68	48	137	48	119	26	100	70/88	18	80	22/25.4/27/31.75	40	12.8

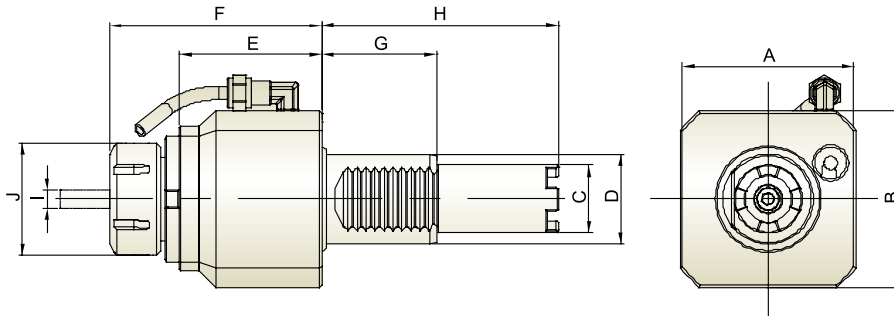


Axial Tool Holder (External Coolant)

HAAS

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to HAAS.

 R.P.M. : Max. 6,000 RPM



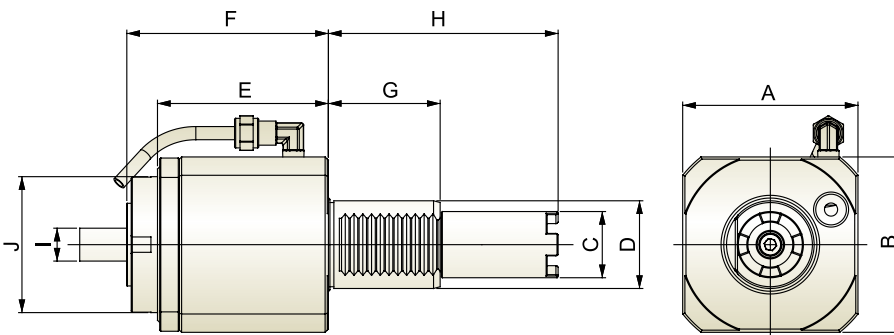
Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A05-40E	78	78	30	40	63	94	51	104.85	ER32 (3~20)	50	3.4
THB-A05-40F	78	78	30	40	63	94	51	117.55	ER32 (3~20)	50	3.4
THB-A06-40E	80	80	30	40	78	119	51	104.85	ER40 (4~26)	63	4.4
THB-A06-40F	80	80	30	40	78	119	51	117.55	ER40 (4~26)	63	4.4

Axial Female Thread Tool Holder (External Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to HAAS.

 R.P.M. : Max. 6,000 RPM



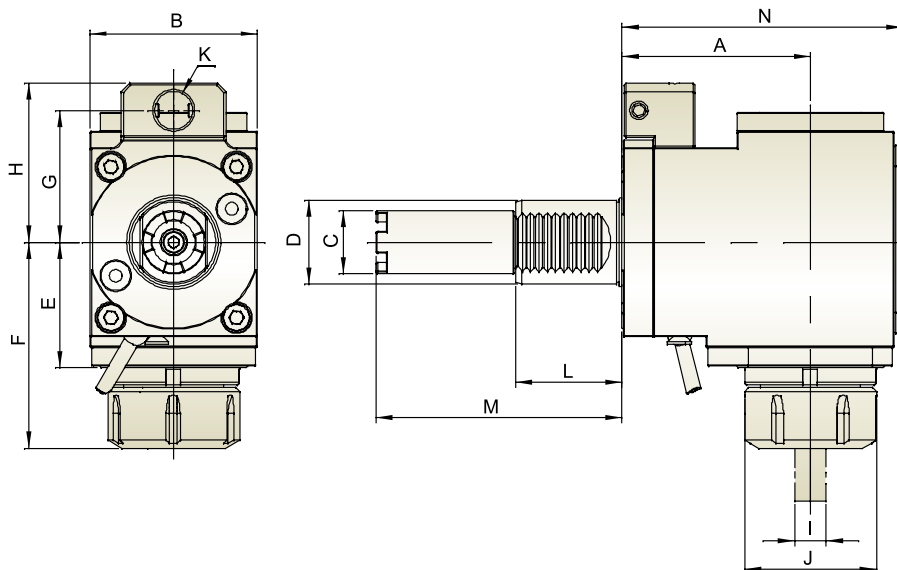
Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THB-A12-40E	80	80	30	40	78	92	51	104.85	ER32 (3~20)	62	3.4
THB-A12-40F	80	80	30	40	78	92	51	117.55	ER32 (3~20)	62	3.4



Radial Tool Holder (External Coolant)

HAAS



Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B05.65-40E	65	76	30	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	104.85	101	5.1
THB-B05.65-40F	65	76	30	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	117.55	101	5.1
THB-B06.90-40E	90	80	30	40	60	98.5	63/70	76	ER40 (4~26)	63	16	51	104.85	134	8.1
THB-B06.90-40F	90	80	30	40	60	98.5	63/70	76	ER40 (4~26)	63	16	51	117.55	134	8.1

※ Further option : 6000 RPM

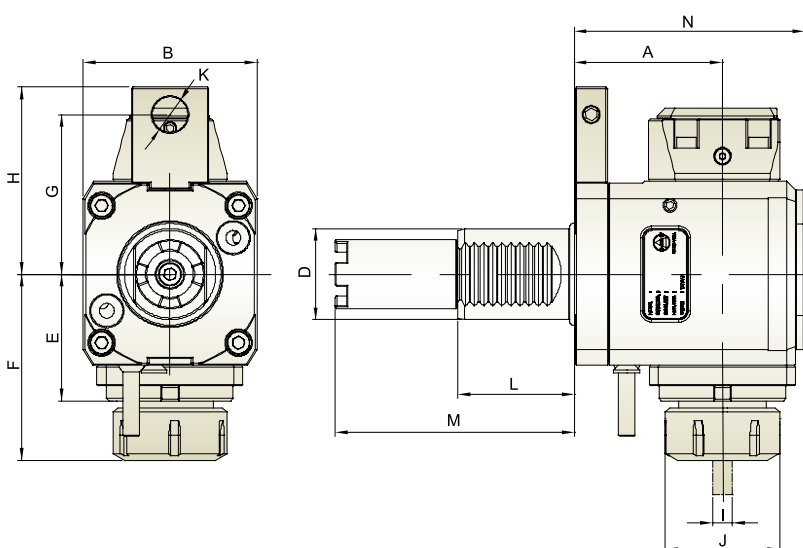
Radial Tool Holder (Internal Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to HAAS.

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM

Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B05.65-40EI	65	76	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	104.85	101	5.1
THB-B05.65-40FI	65	76	40	49	81.5	63/70	75/82	ER32 (3~20)	50	16	51	117.55	101	5.1
THB-B06.90-40EI	90	80	40	60	98.5	63/70	75/82	ER40 (4~26)	63	16	51	104.85	134	8.3
THB-B06.90-40FI	90	80	40	60	98.5	63/70	75/82	ER40 (4~26)	63	16	51	117.55	134	8.3

※ Further option : 6000 RPM

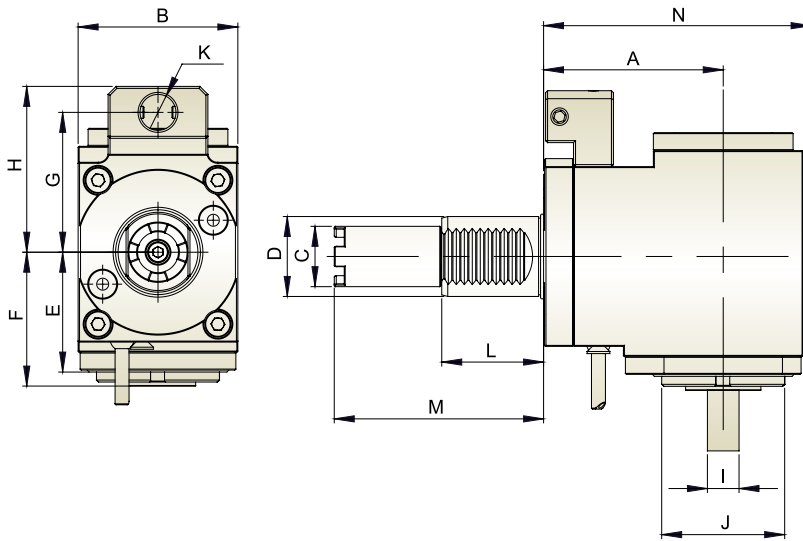


Radial Female Thread Tool Holder (External Coolant)

HAAS

Gear Ratio : 1 : 1

R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B12.90-40E	90	80	30	40	60	67	63/70	75/83	ER32 (3~20)	62	16	51	104.85	134	5.1
THB-B12.90-40F	90	80	30	40	60	67	63/70	75/83	ER32 (3~20)	62	16	51	117.55	134	5.1

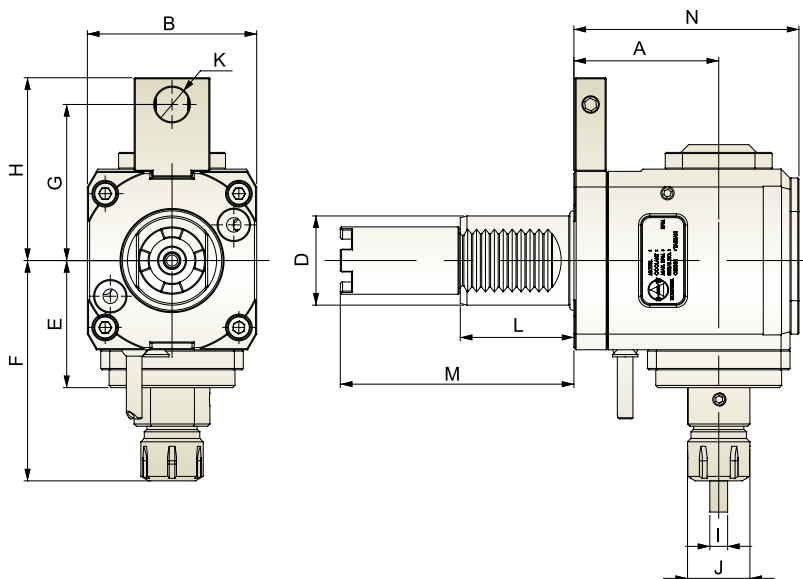
※ Further option : 6000 RPM

Radial ER Tapping Tool Holder (External Coolant)

- Tool Holder is produced in accordance with DIN 69880.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Driven Coupling is according to HAAS.

Gear Ratio : 1 : 1

R.P.M. : Max. 3,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B15.65-40E	65	76	40	57	99	56/63/70	68/75/82	M3~M12	34	16	51	104.85	101	4.9
THB-B15.65-40F	65	76	40	57	99	56/63/70	68/75/82	M3~M12	34	16	51	117.55	101	4.9



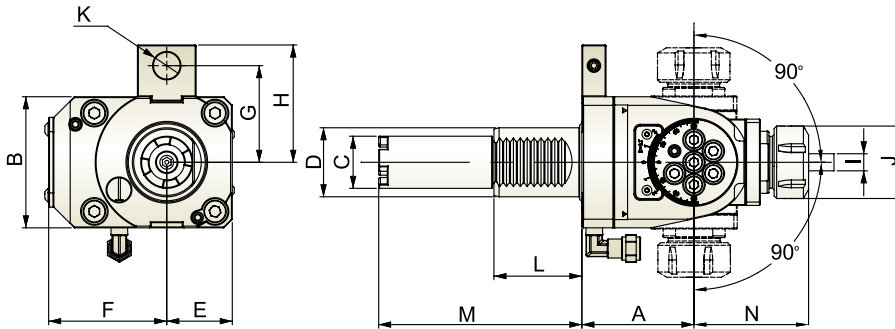
Angle Adjustable Tool Holder (External Coolant)

HAAS

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to DIN 6499.
- For left hand and right hand turret.
- Cutting degree can be set from +90 to -90 degree for various applications.

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-E04.65-40E	65	76	30	40	38	68.5	63/70	75/82	ER25 (2~16)	42	16	51	104.85	85	4.65
THB-E04.65-40F	65	76	30	40	38	68.5	63/70	75/82	ER25 (2~16)	42	16	51	117.55	85	4.65

※ Optional Accessories : Hook Spanner.



Quick Change System

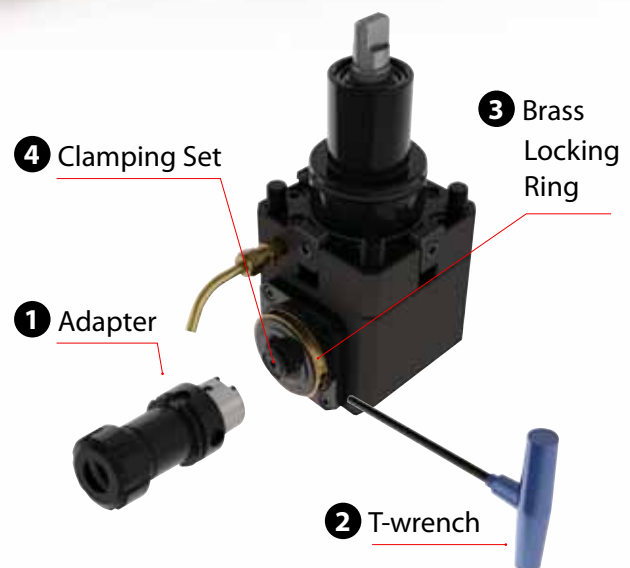
Features

- Adapters adopt Standard HSK taper which are easily accessible.
- Dual contact system ensures high accuracy and rigidity to reach max. torque.
- Accurate repeatability.
- Greatly reduce tool setup time.



Instruction Manual

- After inserting the adapter **1**, put T-wrench **2** through Brass Locking Ring **3** to operate the Clamping Set **4** which would pull back and tighten the adapter.
- In order to avoid any ingress of foreign matter to prolong the service life, please be sure to switch off the Brass Locking Ring **3** by turning it clockwise right after any adapter installation.
- During installation, the Clamping Set would pull back the adapter, which provides dual contact between itself and adapter interface to ensure high accuracy and rigidity.





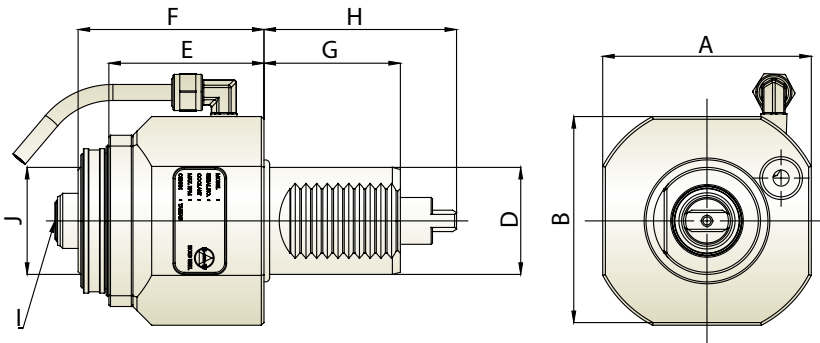
Axial Quick Change Tool Holder

DIN 1809

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 1809.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A38-40A	78	78	40	58	69.5	51	72	40	HSK40	2.7

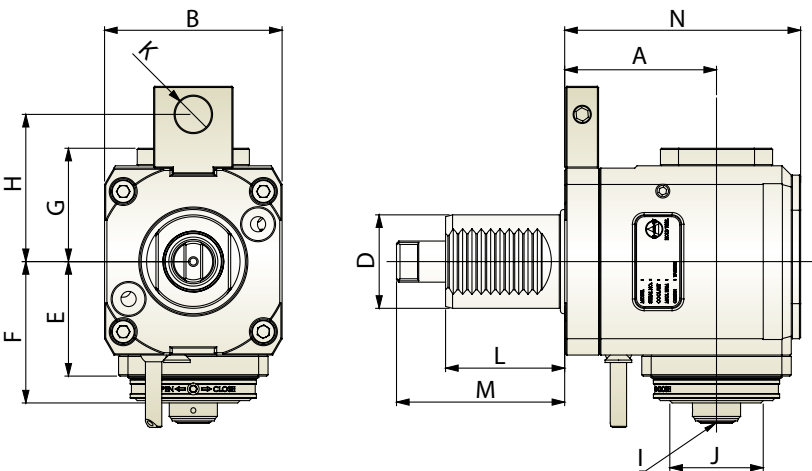
Radial Quick Change Tool Holder



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B38.65-40A	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	51	72	101	4.7

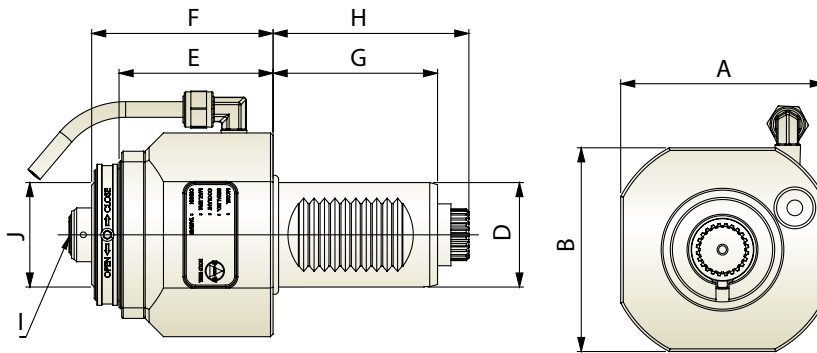


Axial Quick Change Tool Holder

DIN 5480

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5480.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.

 R.P.M. : Max. 6,000 RPM



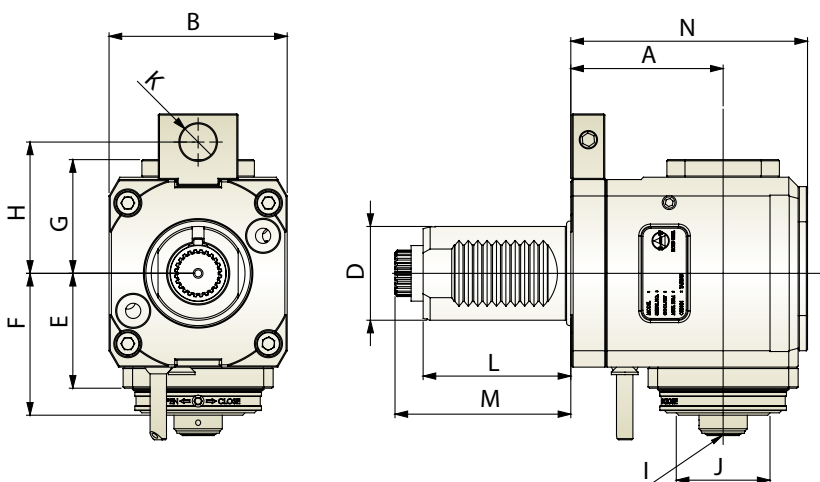
Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A38-40B	78	78	40	58	69.5	63	75	40	HSK40	2.8

Radial Quick Change Tool Holder

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B38.65-40B	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	63	75	101	4.7
THB-B38.85-40B	85	76	40	49	60.5	48.5	63	HSK40	40	15.5	63	75	101	4.9



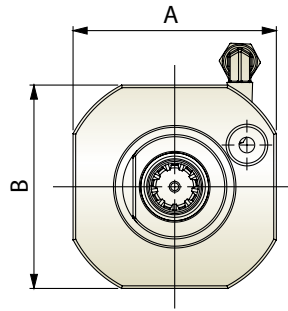
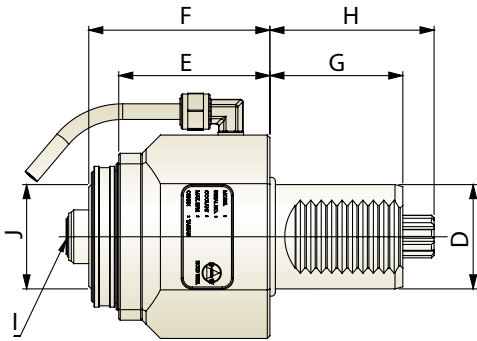
Axial Quick Change Tool Holder

DIN 5482

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to DIN 5482.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A38-40C	78	78	40	58	69.5	51	63	40	HSK40	2.7

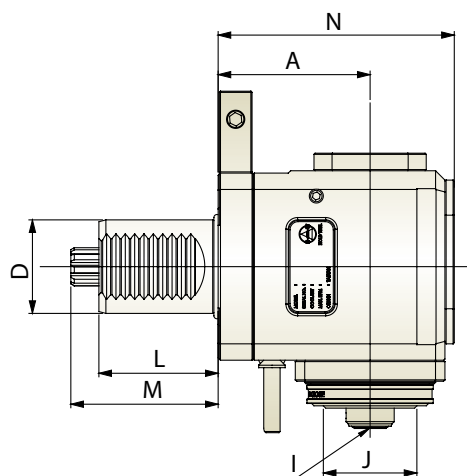
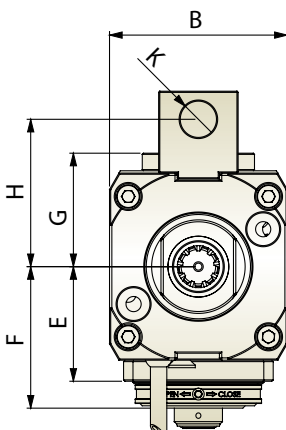
Radial Quick Change Tool Holder



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B38.65-40C	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	51	63	101	4.7

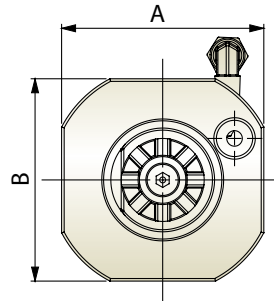
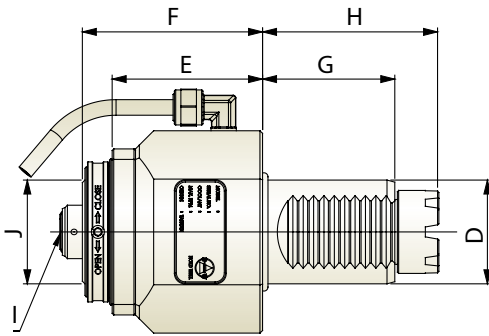


Axial Quick Change Tool Holder

SPUR MT TOEM

- Tool Holder is produced in accordance with DIN 69880
- Driven Coupling is according to SPUR MT TOEM
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.

 R.P.M. : Max. 6,000 RPM



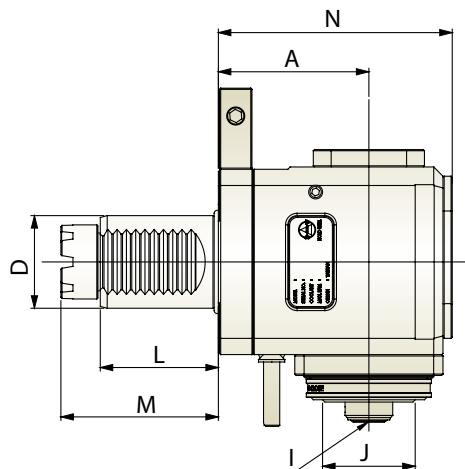
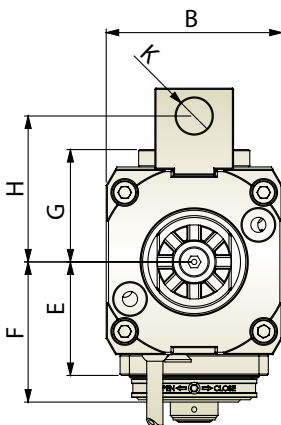
Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A38-40D	78	78	40	58	69.5	51	67.5	40	HSK40	2.7

Radial Quick Change Tool Holder

 Gear Ratio : 1 : 1

 R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B38.65-40D	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	51	67.5	101	4.7



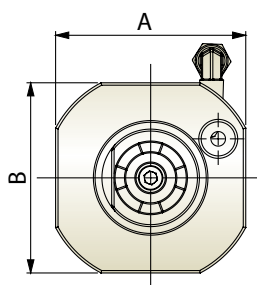
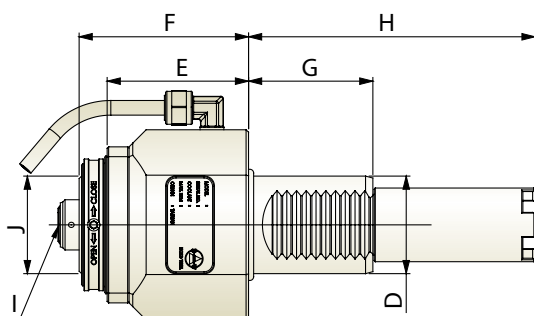
Axial Quick Change Tool Holder

HAAS

- Tool Holder is produced in accordance with DIN 69880.
- Driven Coupling is according to HAAS.
- ER Collet is according to HSK A / C.
- For left hand and right hand turret.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	N.W.(KG)
THB-A38-40E	78	78	40	58	69.5	51	104.85	40	HSK40	2.75
THB-A38-40F	78	78	40	58	69.5	51	117.55	40	HSK40	2.8

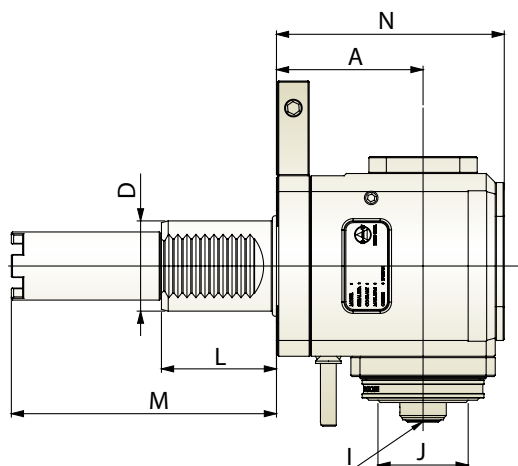
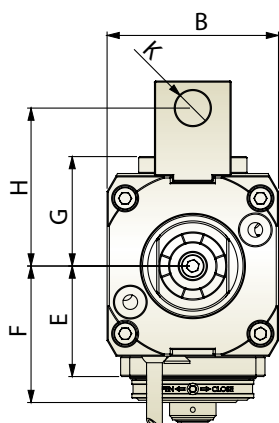
Radial Quick Change Tool Holder



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



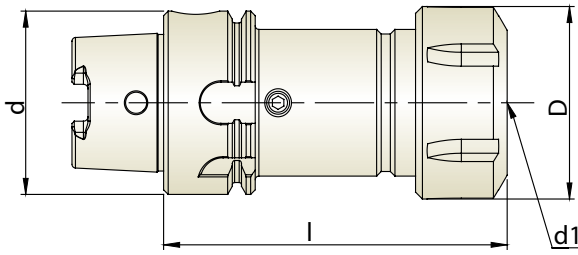
Unit : mm

Model No.	A	B	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THB-B38.65-40E	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	51	104.85	101	4.75
THB-B38.65-40F	65	76	40	49	60.5	48.5	63	HSK40	40	15.5	51	117.55	101	4.8



ER Collet Tool Holder

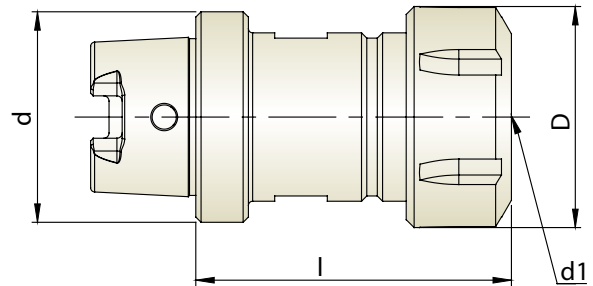
HSK A Type



Unit : mm

Model No.	HSK d	d1	D	l
HSK40A-ER25	40	ER25	42	75
HSK40A-ER32	40	ER32	50	100

HSK C Type

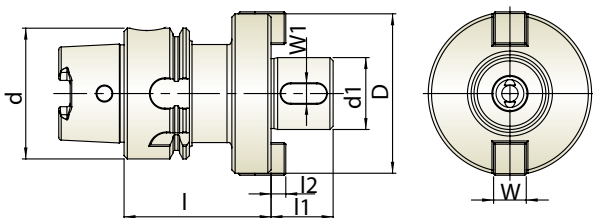


Unit : mm

Model No.	HSK d	d1	D	l
HSK40C-ER25	40	ER25	42	56-60

Face Mill Tool Holder

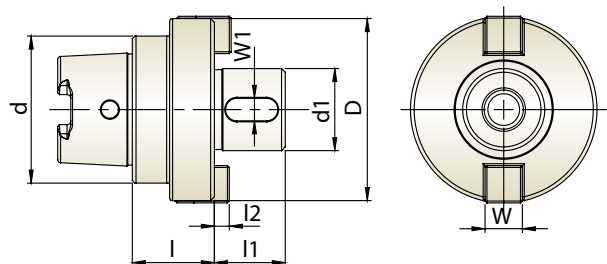
HSK A Type



Unit : mm

Model No.	HSK d	d1	D	l	l1	l2	W
HSK40A-FMB16	40	16h7	40	50	17	3.8	8
HSK40A-FMB22	40	22h7	50	45	19	4.5	10
HSK40A-FMB27	40	27h7	60	60	21	5.8	12

HSK C Type



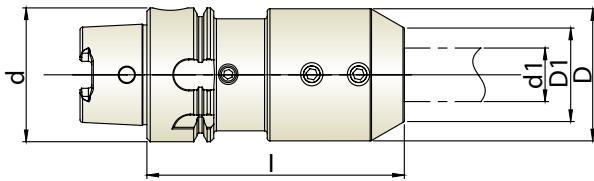
Unit : mm

Model No.	HSK d	d1	D	l	l1	l2	W
HSK40C-FMB22	40	22h7	50	22	19	4	10



Side Lock Tool Holder

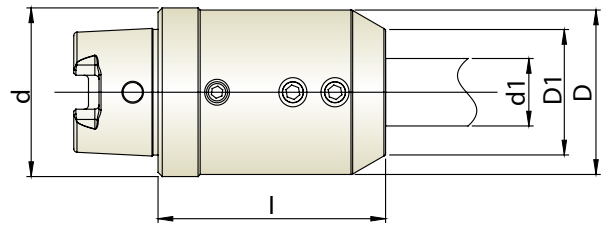
HSK A Type



Unit : mm

Model No.	HSK d	d1	D	D1	L
HSK40A-SLN16	40	16	39.5	28	77

HSK C Type



Unit : mm

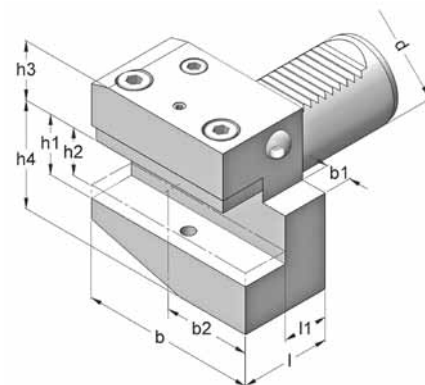
Model No.	HSK d	d1	D	D1	L
HSK40C-SLN16	40	16	39	30	54



Radial Tool Holder **THA-B**

B1 Type

Radial Tool Holder
form B1 right hand, short

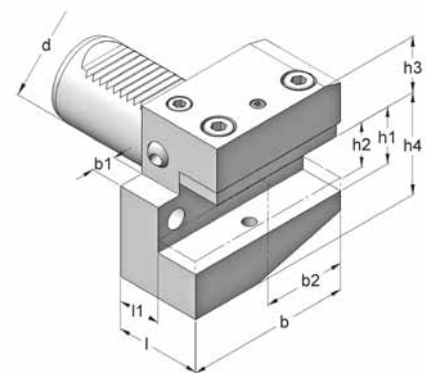


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-B1-3020	30	70	10	35	20	16	28	38	40	22	B1-30x20x40
THA-B1-4025	40	85	12.5	42.5	25	20	32.5	38	44	22	B1-40x25x44
THA-B1-5032	50	100	16	50	32	25	35	60	55	30	B1-50x32x55

Unit : mm

B2 Type

Radial Tool Holder
form B2 left hand, short

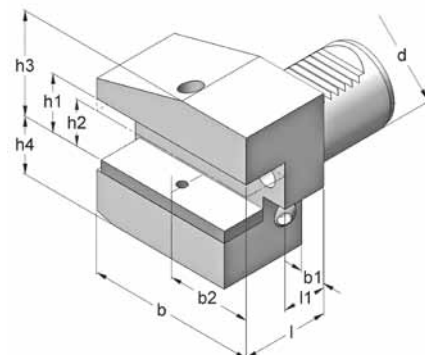


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-B2-3020	30	70	10	35	20	16	28	38	40	22	B2-30x20x40
THA-B2-4025	40	85	12.5	42.5	25	20	32.5	48	44	22	B2-40x25x44
THA-B2-5032	50	100	16	50	32	25	35	60	55	30	B2-50x32x55

Unit : mm

B3 Type

Radial Tool Holder Overhead
form B3 right hand, short

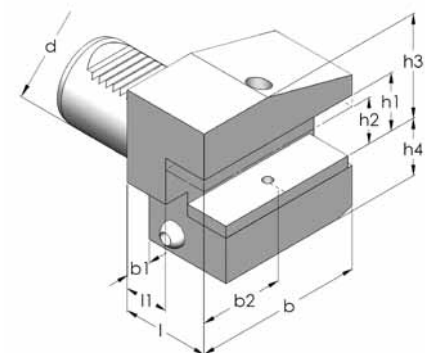


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-B3-3020	30	70	10	35	20	16	38	35	40	22	B3-30x20x40
THA-B3-4025	40	85	12.5	42.5	25	20	48	42.5	44	22	B3-40x25x44
THA-B3-5032	50	100	16	50	32	25	60	50	55	30	B3-50x32x55

Unit : mm

B4 Type

Radial Tool Holder Overhead
form B4 left hand, short



Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-B4-3020	30	70	10	35	20	16	38	35	40	22	B4-30x20x40
THA-B4-4025	40	85	12.5	42.5	25	20	48	42.5	44	22	B4-40x25x44
THA-B4-5032	50	100	16	50	32	25	60	50	55	30	B4-50x32x55

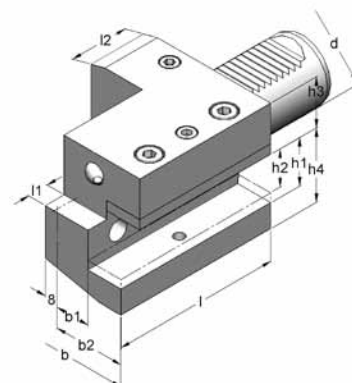
Unit : mm



Axial Tool Holder **THA-C**

C1 Type

Axial Tool Holder
form C1 right hand, short

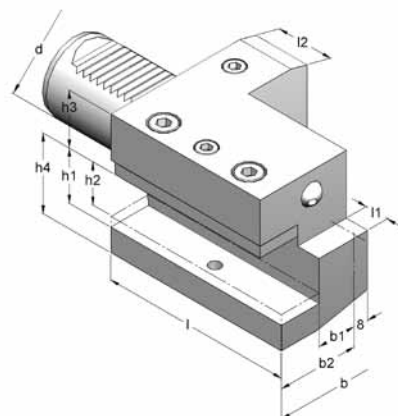


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	l2	Ref. No.
THA-C1-3020	30	70	17	35	20	16	28	38	70	10	30	C1-30x20x75
THA-C1-4025	40	85	20.5	42.5	25	20	32.5	48	85	12.5	30	C1-40x25x85
THA-C1-5032	50	100	25.5	50	32	25	35	60	100	16	40	C1-50x32x100

Unit : mm

C2 Type

Axial Tool Holder
form C2 left hand, short

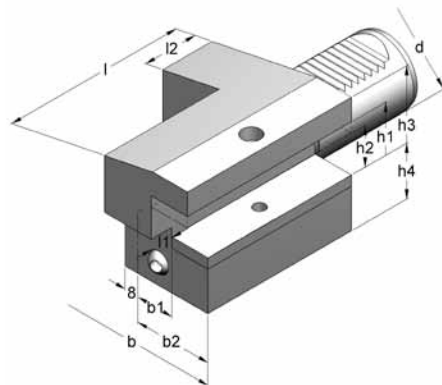


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	l2	Ref. No.
THA-C2-3020	30	74	21	39	20	16	28	38	70	10	30	C2-30x20x75
THA-C2-4025	40	90	25.5	47.5	25	20	32.5	48	85	12.5	30	C2-40x25x80
THA-C2-5032	50	105	30.5	55	32	25	35	60	100	16	40	C2-50x32x100

Unit : mm

C3 Type

Axial Tool Holder Overhead
form C3 right hand, short

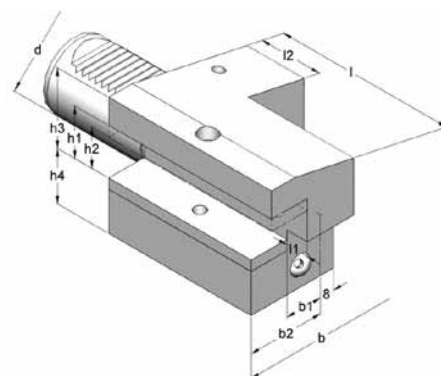


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	l2	Ref. No.
THA-C3-3020	30	70	17	35	20	16	28	38	70	10	30	C3-30x20x75
THA-C3-4025	40	85	20.5	42.5	25	20	32.5	48	85	12.5	30	C3-40x25x80
THA-C3-5032	50	100	25.5	50	32	25	35	60	100	16	40	C3-50x32x100

Unit : mm

C4 Type

Axial Tool Holder Overhead
form C4 left hand, short



Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	l2	Ref. No.
THA-C4-3020	30	74	21	39	20	16	28	38	70	10	30	C4-30x20x75
THA-C4-4025	40	90	25.5	47.5	25	20	32.5	48	85	12.5	30	C4-40x25x80
THA-C4-5032	50	105	30.5	55	32	25	35	60	100	16	40	C4-50x32x100

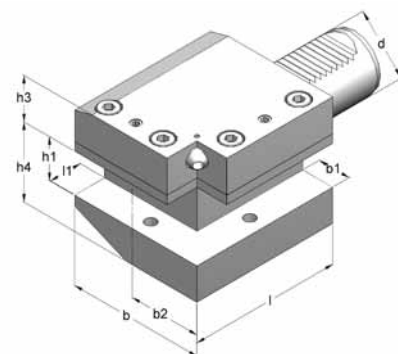
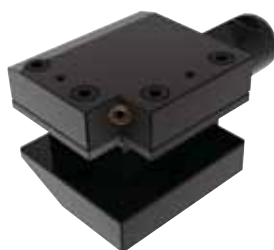
Unit : mm



Radial-Axial Tool Holder **THA-BC**

B1/C1 Type

Radial-Axial Tool Holder
form B1/C1 right hand

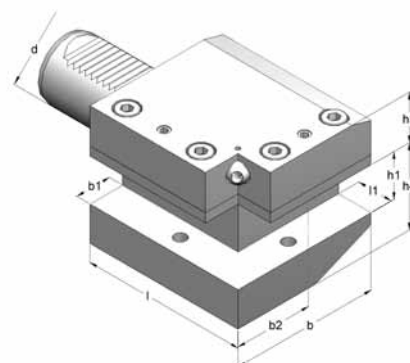
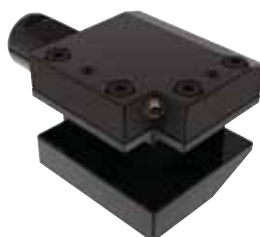


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-BC1-3020	30	70	18	35	20	16	38	35	70	18	B1/C1-30x20x70
THA-BC1-4025	40	85	22	42.5	25	20	48	42.5	100	25	B1/C1-40x25x100
THA-BC1-5032	50	100	24	50	32	25	60	50	120	25	B1/C1-50x32x120

Unit : mm

B2/C2 Type

Radial-Axial Tool Holder
form B2/C2 left hand

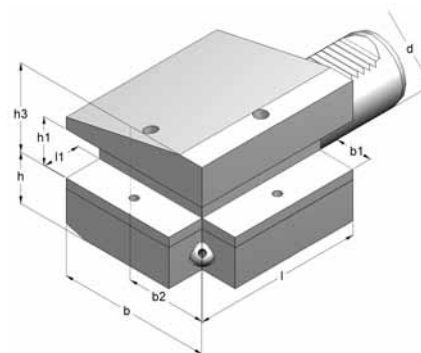


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-BC2-3020	30	74	18	39	20	16	38	35	70	18	B2/C2-30x20x70
THA-BC2-4025	40	90	22	47.5	25	20	48	42.5	100	25	B2/C2-40x25x100
THA-BC2-5032	50	105	24	55	32	25	60	50	120	25	B2/C2-50x32x120

Unit : mm

B3/C3 Type

Radial-Axial Tool Holder Overhead
form B3/C3 right hand

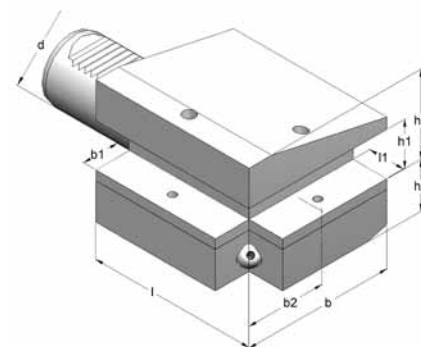


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-BC3-3020	30	70	18	35	20	16	38	35	70	18	B3/C3-30x20x70
THA-BC3-4025	40	85	22	42.5	25	20	48	42.5	100	25	B3/C3-40x25x100
THA-BC3-5032	50	100	24	50	32	25	60	50	120	25	B3/C3-50x32x120

Unit : mm

B4/C4 Type

Radial-Axial Tool Holder Overhead
form B4/C4 left hand

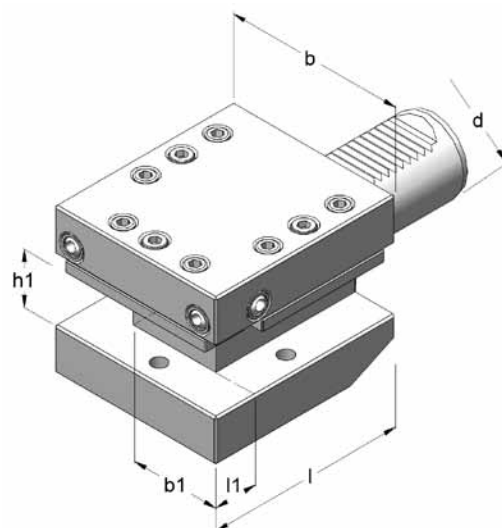


Model No.	d	b	b1	b2	h1	h2	h3	h4	l	l1	Ref. No.
THA-BC4-3020	30	74	18	39	20	16	38	35	70	18	B4/C4-30x20x70
THA-BC4-4025	40	90	22	47.5	25	20	48	42.5	100	25	B4/C4-40x25x100
THA-BC4-5032	50	105	24	55	32	25	60	50	120	25	B4/C4-50x32x120

Unit : mm



Multiple Tool Holder **THA-D**

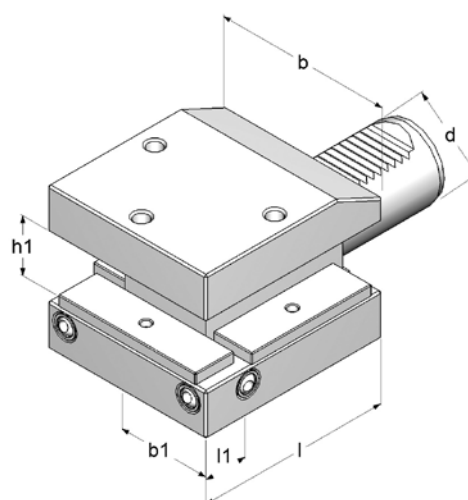


D1 Type

Multiple Tool Holder
form D1

Model No.	d	b	b1	h1	l	l1	Ref. No.
THA-D1-3020	30	76	35	20	60	18	D1-30x20
THA-D1-4025	40	90	42.5	25	72	22	D1-40x25
THA-D1-5032	50	105	50	32	85	25	D1-50x32

Unit : mm



D2 Type

Multiple Tool Holder
form D2

Model No.	d	b	b1	h1	l	l1	Ref. No.
THA-D2-3020	30	76	35	20	60	18	D2-30x20
THA-D2-4025	40	90	42.5	25	72	22	D2-40x25
THA-D2-5032	50	105	50	32	85	25	D2-50x32

Unit : mm



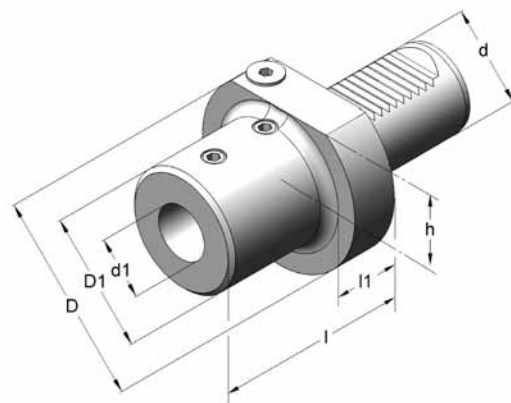
Tool Holder **THA-E**

E1 Type

Tool Holder
form E1 for U Drill

Model No.	d	d1	D	D1	h	l	l1	Ref. No.
THA-E1-3016	30	16	68	34	28	66	22	E1-30x16
THA-E1-3020	30	20	68	40	28	66	22	E1-30x20
THA-E1-3025	30	25	68	45	28	71	22	E1-30x25
THA-E1-3032	30	32	68	52	28	75	22	E1-30x32
THA-E1-4016	40	16	83	34	32.5	66	22	E1-40x16
THA-E1-4020	40	20	83	40	32.5	66	22	E1-40x20
THA-E1-4025	40	25	83	45	32.5	71	22	E1-40x25
THA-E1-4032	40	32	83	52	32.5	75	22	E1-40x32
THA-E1-4040	40	40	83	60	32.5	85	22	E1-40x40
THA-E1-5020	50	20	98	40	35	66	30	E1-50x20
THA-E1-5025	50	25	98	45	35	71	30	E1-50x25
THA-E1-5032	50	32	98	52	35	75	30	E1-50x32
THA-E1-5040	50	40	98	60	35	85	30	E1-50x40
THA-E1-5050	50	50	98	70	35	95	30	E1-50x50

Unit : mm

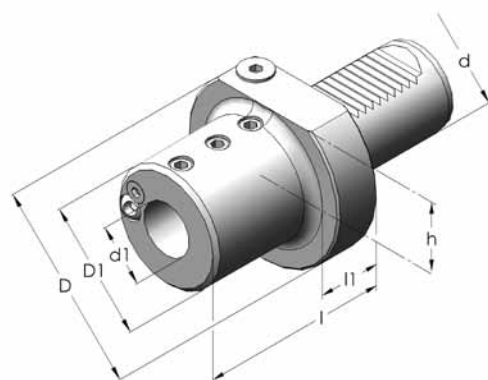


E2 Type

Side Lock Tool Holder
form E2

Model No.	d	d1	D	D1	h	l	l1	Ref. No.
THA-E2-3008	30	8	68	55	28	60	22	E2-30x08
THA-E2-3010	30	10	68	55	28	60	22	E2-30x10
THA-E2-3012	30	12	68	55	28	60	22	E2-30x12
THA-E2-3016	30	16	68	55	28	60	22	E2-30x16
THA-E2-3020	30	20	68	55	28	60	22	E2-30x20
THA-E2-3025	30	25	68	55	28	60	22	E2-30x25
THA-E2-3032	30	32	68	-	28	75	-	E2-30x32
THA-E2-4008	40	8	83	55	32.5	75	22	E2-40x08
THA-E2-4010	40	10	83	55	32.5	75	22	E2-40x10
THA-E2-4012	40	12	83	55	32.5	75	22	E2-40x12
THA-E2-4016	40	16	83	55	32.5	75	22	E2-40x16
THA-E2-4020	40	20	83	55	32.5	75	22	E2-40x20
THA-E2-4025	40	25	83	55	32.5	75	22	E2-40x25
THA-E2-4032	40	32	83	-	32.5	75	-	E2-40x32
THA-E2-4040	40	40	83	-	32.5	75	-	E2-40x40
THA-E2-5020	50	20	98	68	35	90	30	E2-50x20
THA-E2-5025	50	25	98	68	35	90	30	E2-50x25
THA-E2-5032	50	32	98	68	35	90	30	E2-50x32
THA-E2-5040	50	40	98	-	35	90	-	E2-50x40
THA-E2-5050	50	50	98	-	35	100	-	E2-50x50

Unit : mm

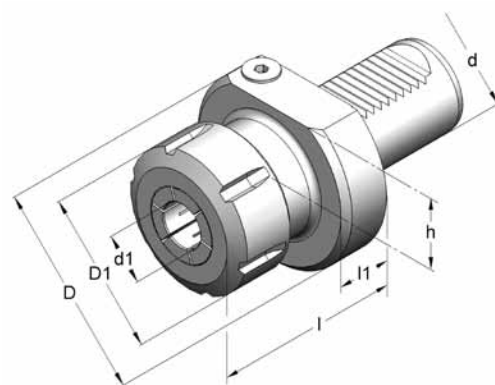




Tool Holder THA-E

E4 Type

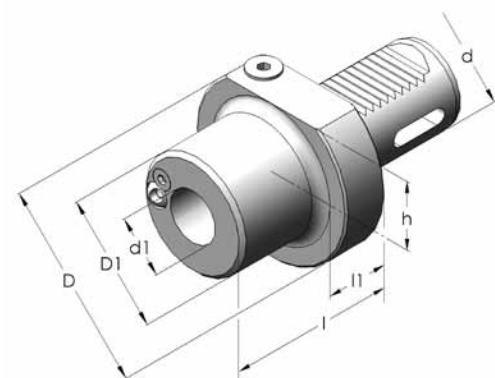
ER Collet Chuck Tool Holder form E4



Model No.	d	d1	D	D1	l	ER	Ref. No.
THA-E4-3020	30	2-20	68	50	75	32	E4-30x20
THA-E4-3026	30	3-26	68	63	75	40	E4-30x26
THA-E4-4020	40	2-20	83	50	75	32	E4-40x20
THA-E4-4026	40	3-26	83	63	75	40	E4-40x26
THA-E4-5026	50	3-26	98	63	90	40	E4-50x26
THA-E4-5034	50	10-34	98	78	90	50	E4-50x34

Unit : mm

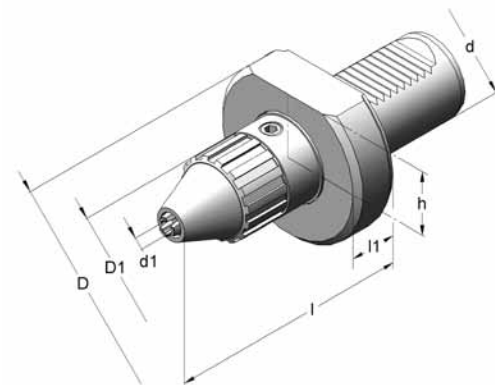
Morse Taper Tool Holder THA-F



Model No.	d	d1	D	D1	h	l	l1	Ref. No.
THA-F1-30MT1	30	1	68	52	28	25	20	F30-MK-DK1
THA-F1-30MT2	30	2	68	58	28	25	20	F30-MK-DK2
THA-F1-30MT3	30	3	68	68	28	40	20	F30-MK-DK3
THA-F1-40MT2	40	2	83	58	32.5	34	25	F40-MK-DK2
THA-F1-40MT3	40	3	83	64	32.5	58	25	F40-MK-DK3
THA-F1-40MT4	40	4	83	72	32.5	86	25	F40-MK-DK4
THA-F1-50MT2	50	2	98	-	35	25	-	F50-MK-DK2
THA-F1-50MT3	50	3	98	64	35	42	25	F50-MK-DK3
THA-F1-50MT4	50	4	98	72	35	71	25	F50-MK-DK4

Unit : mm

Quick Locking Drill Chuck THA-G



Model No.	d	d1	D	D1	h	l	l1
THA-G1-3013	30	1-13	68	43	28	81	18
THA-G1-4013	40	1-13	83	43	32.5	77	18
THA-G1-4016	40	2.5-16	83	56	32.5	95	18
THA-G1-5016	50	2.5-16	98	56	35	95	18

Unit : mm

Radial Boring Bar Tool Holder **THA-T**

● Optional Accessories :



Model No.	d	d1	b	h	l	l1
THA-T1-303285	30	32	70	64	110	85
THA-T1-3032100	30	32	70	64	125	100
THA-T1-4032100	40	32	85	76	125	100
THA-T1-4032120	40	32	85	76	145	120
THA-T1-4040100	40	40	85	76	129	100
THA-T1-4040120	40	40	85	76	149	120

Unit : mm

Test Arbor **THA-TA**



Model No.	d	D	D1	l1	l2
THA-TA-30	30	68	30	190	30
THA-TA-40	40	83	40	190	30
THA-TA-50	50	98	50	190	30

Unit : mm

Plug **THA-Z**



Model No.	d	D	h	l
THA-Z2-30	30	68	28	16
THA-Z2-40	40	83	32.5	12
THA-Z2-50	50	98	35	12

Unit : mm

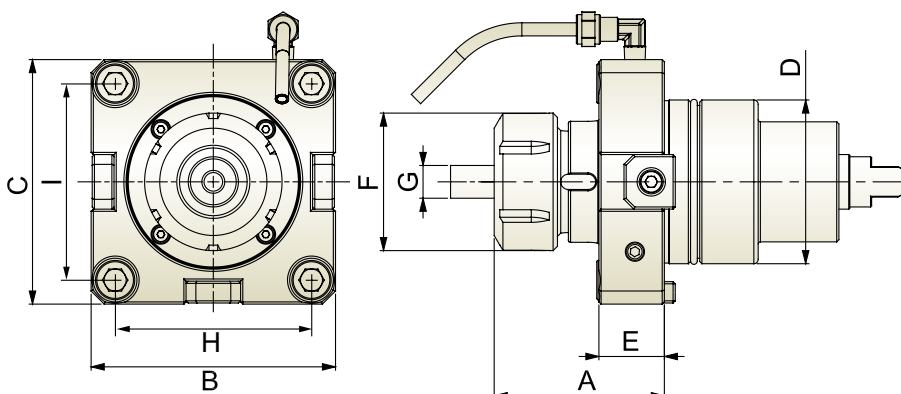


Axial Tool Holder (External Coolant)

BMT (DOOSAN)

- Driven Coupling is according to DIN 1809.
- ER Collet is according to DIN 6499.

 R.P.M. : Max. 6,000 RPM



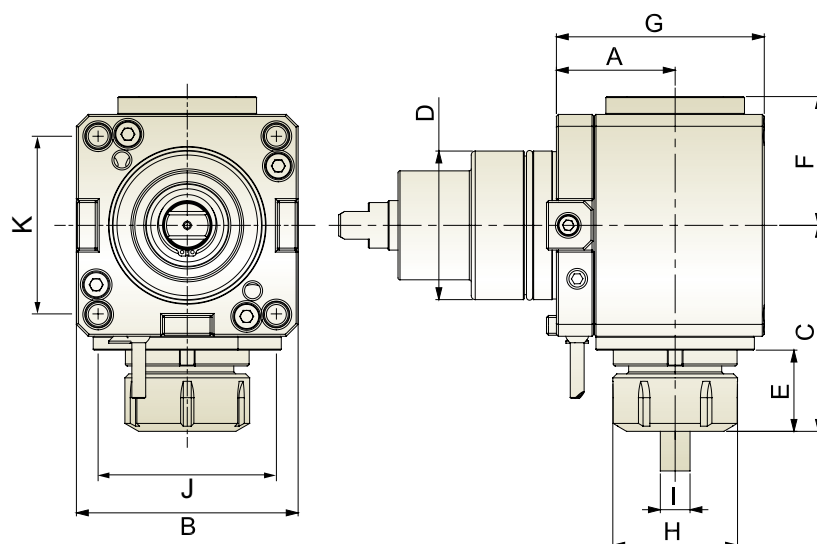
Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-A04-55A	61	85	85	55	29	42	ER25 (2~16)	64	64	3.3
THM-A05-65A	63.5	94	94	65	30	50	ER32 (3~20)	73	70	4.2
THM-A06-75A	78	112	112	75	30	63	ER40 (4~26)	90	90	5.2
THM-A07-85A	108	125	125	85	44	78	ER50 (12~34)	100	100	10.8

Radial Tool Holder (External Coolant)

 Gear Ratio : 1 : 1

 R.P.M. : Max.4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	N.W.(KG)
THM-B04.60-55A	60	85	77.5	55	26.5	53.5	86	42	ER25 (2~16)	64	64	7.5
THM-B05.72-65A	72	94	95	65	34	60	108	50	ER32 (3~20)	73	70	9.8
THM-B05.100-65A	100	94	95	65	34	54.5	136	50	ER32 (3~20)	73	70	10.4
THM-B06.60-75A	60	112	104	75	41	65	105	63	ER40 (4~26)	90	90	11.6
THM-B06.90-75A	90	112	104	75	41	65	135	63	ER40 (4~26)	90	90	14
THM-B06.125-75A	125	112	104	75	41	65	170	63	ER40 (4~26)	90	90	17
THM-B07.100-85A	110	125	134.8	85	54.3	75.5	160	78	ER50 (12~34)	100	100	23.3



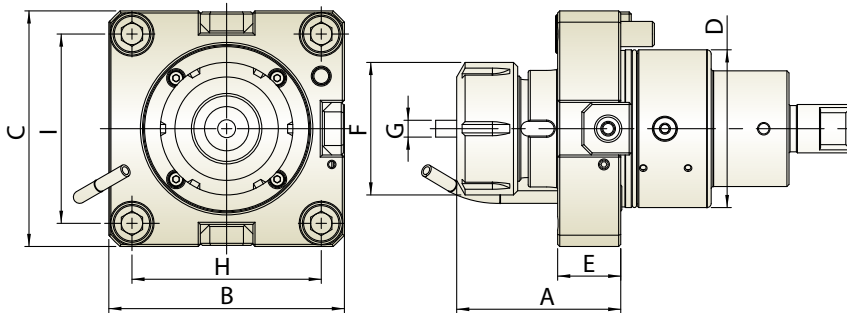
Axial Tool Holder (Internal Coolant)

- Driven Coupling is according to DIN1809.
- ER Collet is according to DIN6499.

BMT (DOOSAN)

⚙ R.P.M. : Max. 6,000 RPM

⚙ Internal Coolant : 30 bar



Unit : mm

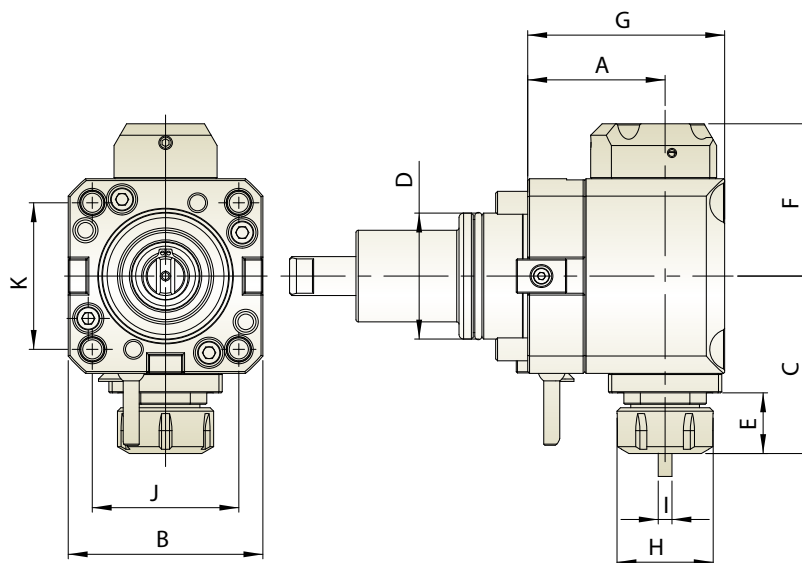
Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-A06-75AI	78	112	112	75	30	63	ER40 (4~26)	90	90	5.2

Radial Tool Holder (Internal Coolant)

⚙ Gear Ratio : 1 : 1

⚙ R.P.M. : Max. 4,000 RPM

⚙ Internal Coolant : 30 bar



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	N.W.(KG)
THM-B04.60-55AI	60	85	77.5	55	26.5	66.5	86	42	ER25 (2~16)	64	64	7.5
THM-B06.90-75AI	90	112	106.5	75	43.5	56	135	63	ER25 (4~26)	90	90	11.6



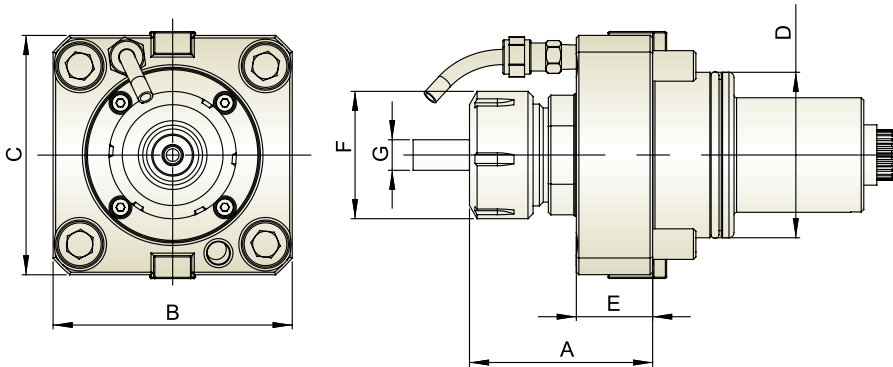
Axial Tool Holder (External Coolant)

BMT-5480

- Driven Coupling is according to DIN 5480.
- ER Collet is according to DIN 6499.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	N.W.(KG)
THM-A05-65B	63.5	94	94	65	30	50	ER32 (3~20)	4.2

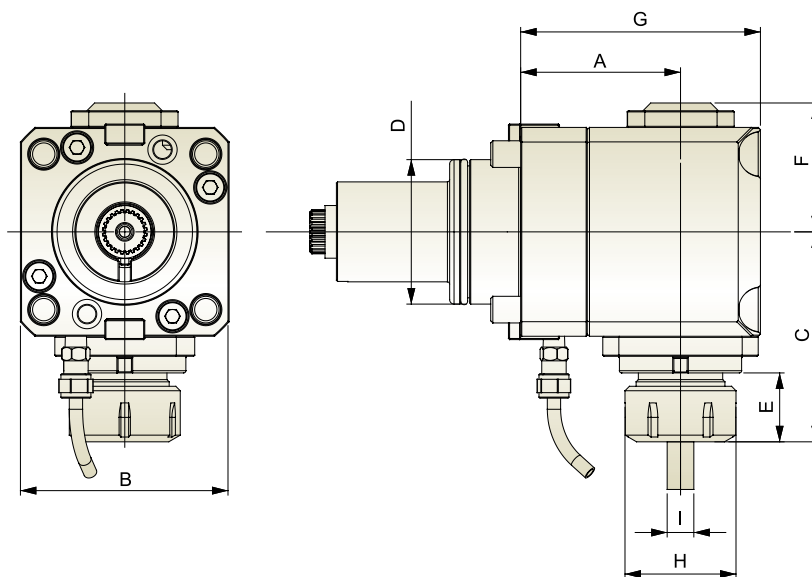
Radial Tool Holder (External Coolant)



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

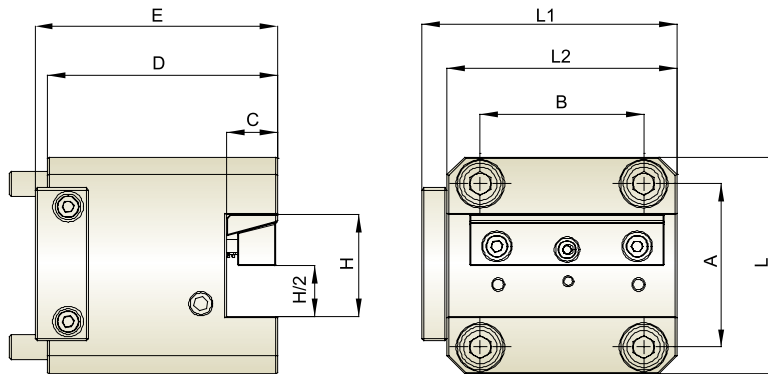
Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-B05.72-65B	72	94	95	65	34	60	108	50	ER32 (3~20)	9.8

※ Further option : 6000 RPM



Face and OD Tool Holder B1

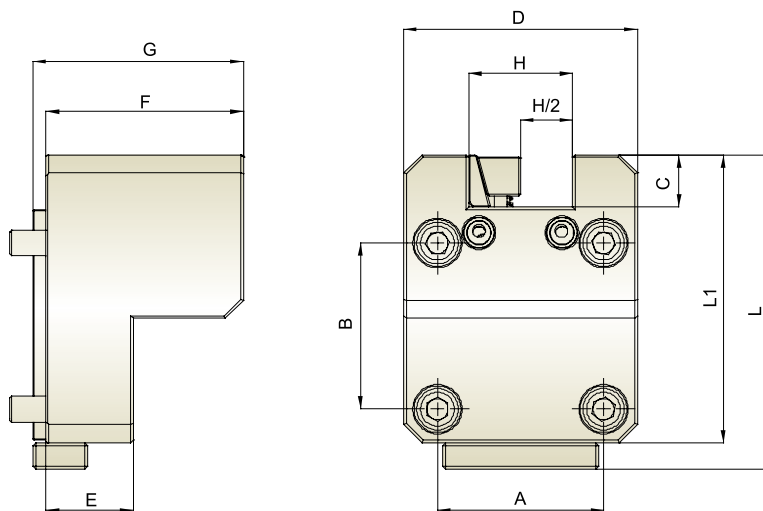
BMT (DOOSAN)



Unit : mm

Model No.	A	B	C	D	E	H	H/2	L	L1	L2	N.W.(KG)	Suitable Machine
THL-DPM-B1-5520	64	64	20	90	95	40	20	85	100	90	4.4	PUMA230M
THL-DPM-B1-6525	73	70	25	125	130	50	25	96	112	100	8.2	PUMA300M
THL-DPM-B1-7525	90	90	25	135	140	50	25	112	130	120	12.8	PUMA400
THL-DPM-B1-8532	100	100	32	142	147	64	32	125	135	125	15.1	

Face and ID Tool Holder C1



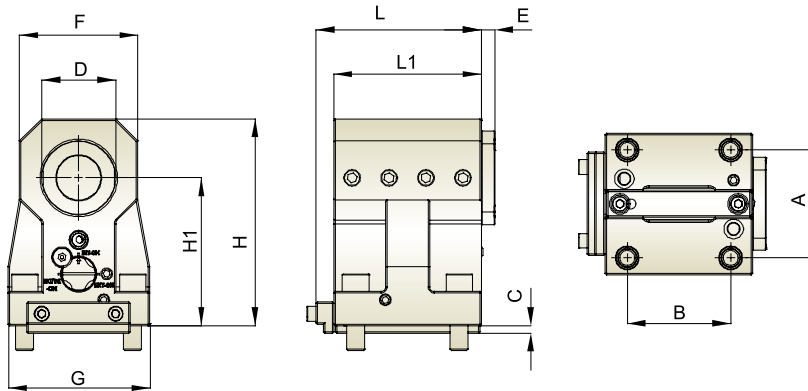
Unit : mm

Model No.	A	B	C	D	E	F	G	H	H/2	L	L1	N.W.(KG)	Suitable Machine
THL-DPM-C1-5520	64	64	20	90	33.5	76	81	40	20	121	111	3.9	PUMA230M
THL-DPM-C1-6525	73	70	25	96	40	82.5	87.5	50	25	143	131	5.6	PUMA300M
THL-DPM-C1-7525	90	90	25	112	34.8	85	90	50	25	155.5	145.5	7.1	PUMA400
THL-DPM-C1-7532	90	90	32	112	50	100	105	64	32	162.5	152.5	8.1	PUMA400
THL-DPM-C1-8532	100	100	32	125	50	100	105	64	32	175	165	10.5	



Boring Bar Tool Holder T1 (Internal Coolant)

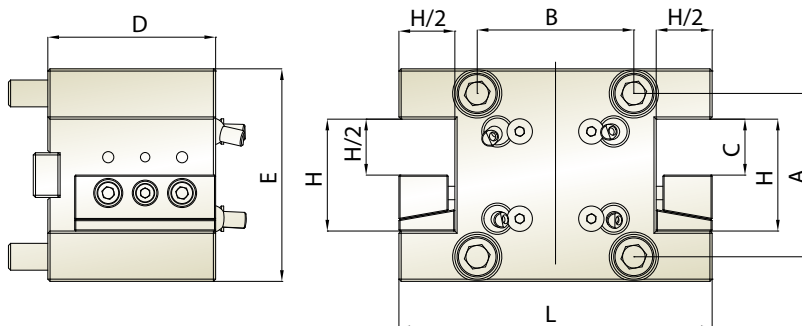
BMT (DOOSAN)



Unit : mm

Model No.	A	B	C	D	E	F	G	H	H1	L	L1	N.W.(KG)	Suitable Machine
THL-DPM-T1-554070	64	64	5	40	10	70	85	101	70	105	95	3.9	PUMA230M
THL-DPM-T1-6550100	73	70	5	50	9	80	96	140	100	112	100	6.8	PUMA300M
THL-DPM-T1-7560110	90	90	5	60	13	90	112	155	110	129	119	10.5	PUMA400
THL-DPM-T1-7560125	90	90	5	60		112	112	170	125	129	119	11	PUMA400
THL-DPM-T1-8560110	100	100	5	60	10	90	125	155	110	135	125	12	

Double Face and OD Tool Holder CD1



Unit : mm

Model No.	A	B	C	D	E	H/2	H	L	N.W.(KG)	Suitable Machine
THL-DPM-CD1-5525	64	64	20	76	90	20	40	122	4.7	PUMA230, 240, 280 M-MS PUMA1500Y, 2000Y, 2500Y
THL-DPM-CD1-6525	73	70	25	80	96	25	50	140	6.8	PUMA 300M 300MS
THL-DPM-CD1-7525	90	90	32	85	112	32	64	177	8.5	PUMA 400M



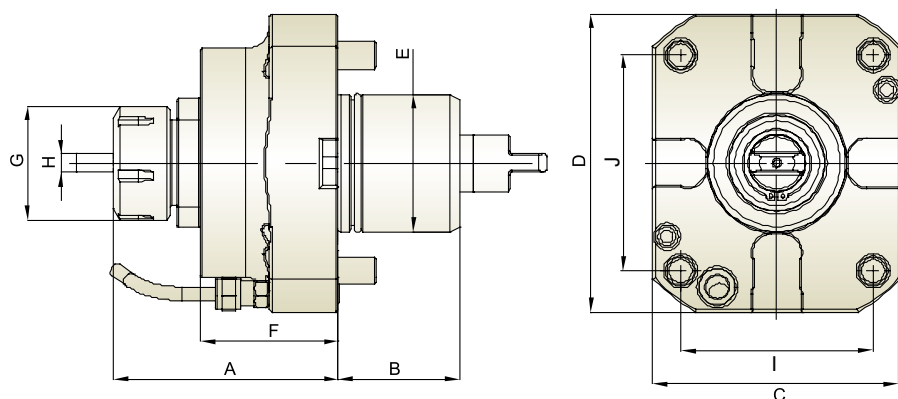
Axial Tool Holder (External Coolant)

MORI SEIKI

- ER Collet is according to DIN 6499.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)	Suitable Machine
THM-A05-60G	98	53	108	130	60	60	50	ER32 (3~20)	84	94	6.2	NL 1500/2000/2500/3000

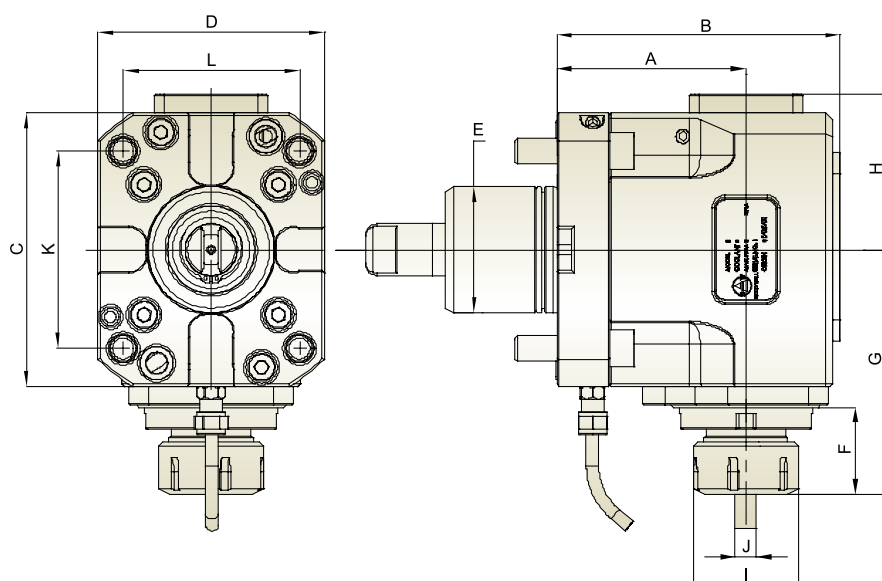
Radial Tool Holder (External Coolant)



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

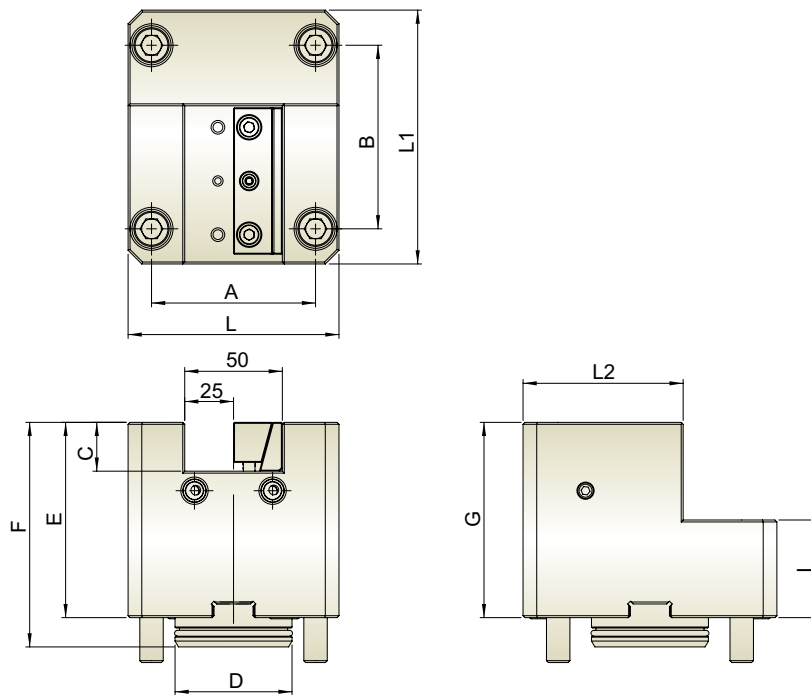
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W.(KG)	Suitable Machine
THM-B05.90-60G	90	135	130	108	60	41.5	116.5	74	50	ER32 (3~20)	94	84	11	NL 1500/2000/2500/3000

※ Further option : 6000 RPM



Face and ID Tool Holder B1

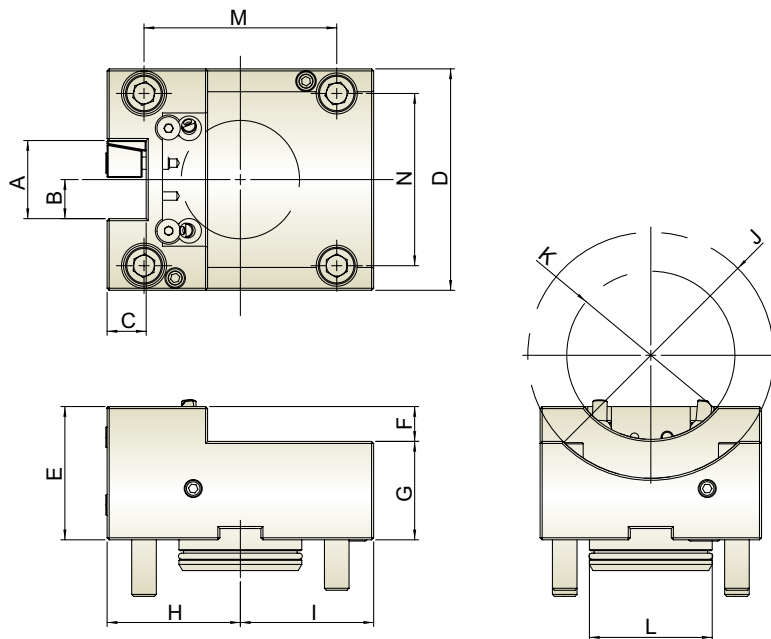
MORI SEIKI



Model No.	A	B	C	D	E	H	H/2	I	L	L1	L2	N.W.(KG)
THL-MNL-B1-6025	84	94	25	100	115	50	25	60	108	130	82	7

Unit : mm

Single Face and OD Tool Holder C1



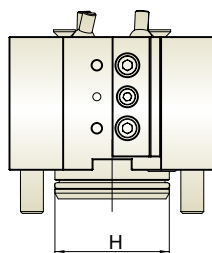
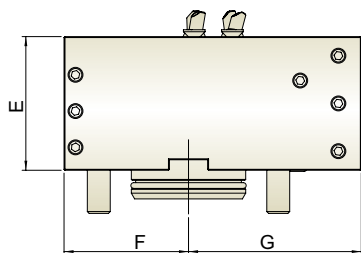
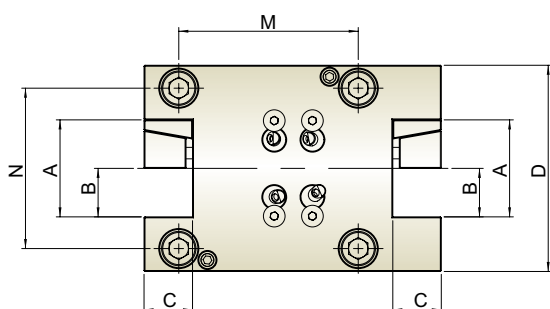
Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THL-MNL-C1-6019.05	38.1	19.05	19.05	108	65	17	48	65	65	120	82	59.9	94	84	4.5
THL-MNL-C1-6020	40	20	20	108	65	17	48	65	65	120	82	59.9	94	84	4.4
THL-MNL-C1-6025	50	25	25	108	70	7	63	65.2	65	120	80	59.9	94	84	4.5
THL-MNL-C1-6025.4	50.8	25.4	25.4	108	70	7	63	65.2	65	120	80	59.9	94	84	4.4

Unit : mm



Double Face and OD Tool Holder CD1

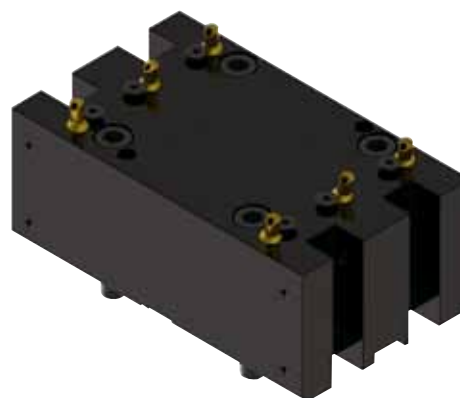
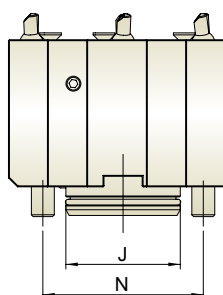
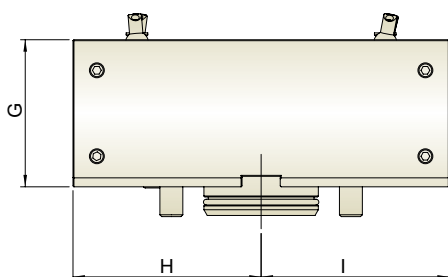
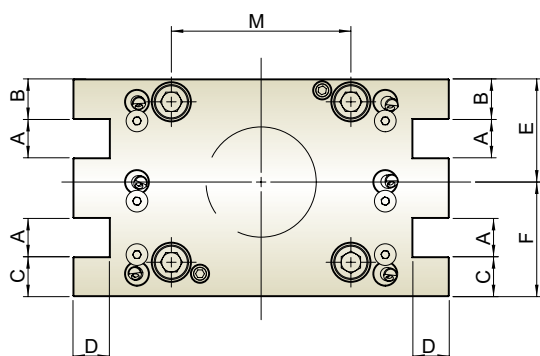
MORI SEIKI



Model No.	A	B	C	D	E	F	G	H	M	N	N.W.(KG)
THL-MNL-CD1-6019.05	38.1	19.05	19.05	108	70	65	85.5	59.9	94	84	7.8
THL-MNL-CD1-6020	40	20	20	108	70	65	85.5	59.9	94	84	7.7
THL-MNL-CD1-6025	50	25	25	108	70	65.2	90.5	59.9	94	84	7.8
THL-MNL-CD1-6025.4	50.8	25.4	25.4	108	70	65.2	90.5	59.9	94	84	7.7

Unit : mm

Quadruple Face and OD Tool Holder CD2



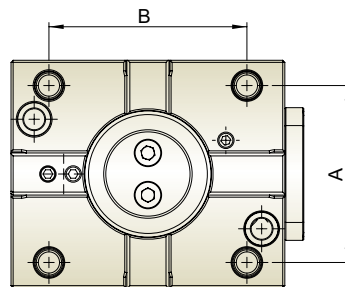
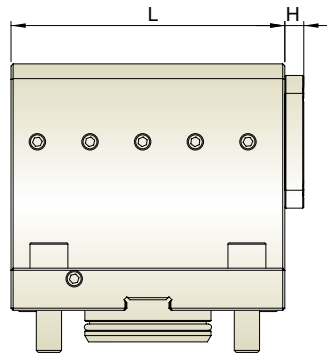
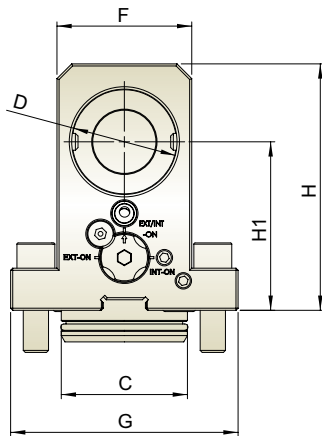
Model No.	A	B	C	D	E	F	G	H	I	J	M	N	N.W.(KG)
THL-MNL-CD2-6019.05	20.05	21.25	20.9	19.05	54	60	77	98.5	98.5	59.9	94	84	11.7
THL-MNL-CD2-6020	21	21	20	20	54	60	77	98.5	98.5	59.9	94	84	11.7
THL-MNL-CD2-6025	26	16	15	25	54	60	77	98.5	98.5	59.9	94	84	11.1
THL-MNL-CD2-6025.4	26.4	14.9	14.55	25.4	54	60	77	98.5	98.5	59.9	94	84	11.1

Unit : mm



Boring Bar Tool Holder T1

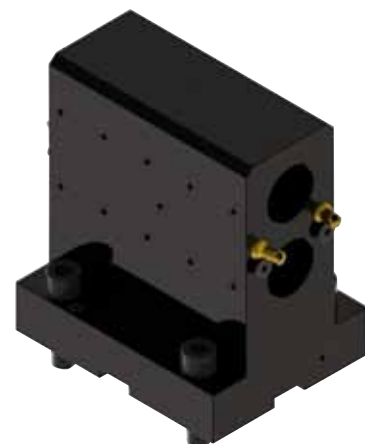
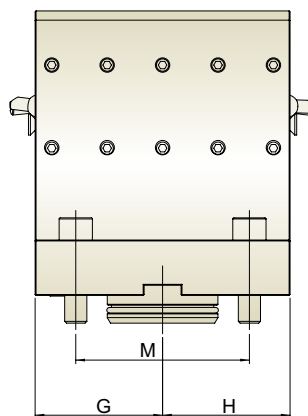
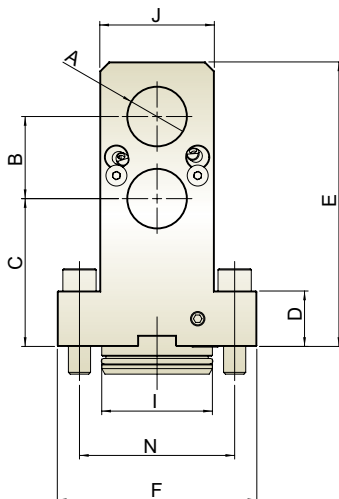
MORI SEIKI



Model No.	A	B	C	D	E	F	H	H1	I	L	L1	N.W.(KG)
THL-MNL-T1-605080	84	94	9	50	64	108	117	80	60	130	132	5.6

Unit : mm

2-Pos. Boring Bar Tool Holder T2



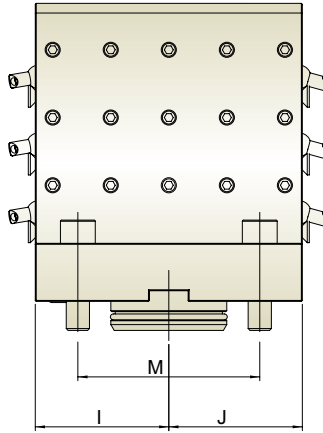
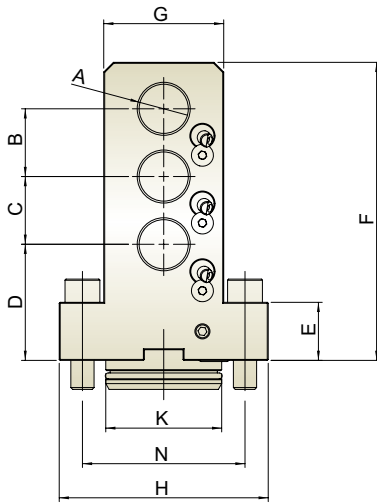
Model No.	A	B	C	D	E	F	G	H	I	J	M	N	N.W.(KG)
THL-MNL-T2-6031.7580	31.75	44.45	80	30	154	108	69	69	62	59.9	94	84	8.9
THL-MNL-T2-603280	32	45	80	30	154	108	69	69	62	59.9	94	84	8.8

Unit : mm



3-Pos. Boring Bar Tool Holder T3

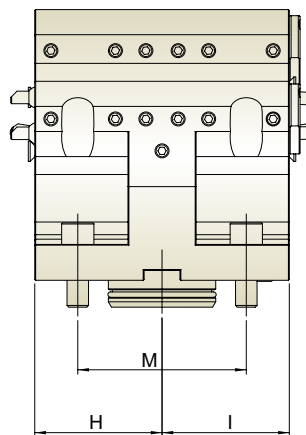
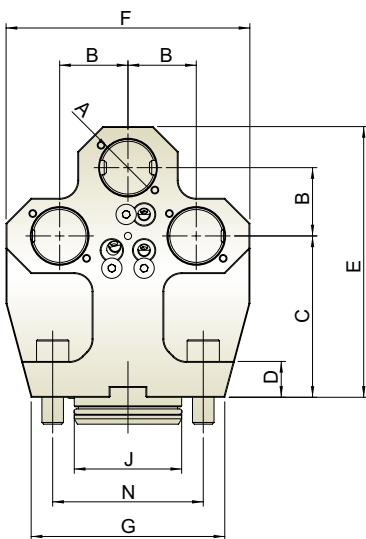
MORI SEIKI



Model No.	A	B	C	D	E	F	G	H	I	J	K	M	N	N.W.(KG)
THL-MNL-T3-602560	25	35	35	60	30	154	62	108	69	69	59.9	94	84	9
THL-MNL-T3-6025.460	25.4	35	35	60	30	154	62	108	69	69	59.9	94	84	8.9

Unit : mm

3-Pos. Boring Bar Tool Holder T4



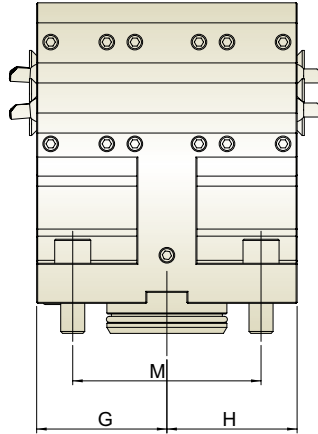
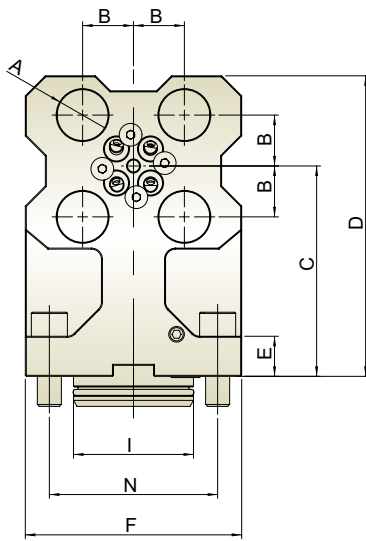
Model No.	A	B	C	D	E	F	G	H	I	J	M	N	N.W.(KG)
THL-MNL-T4-6031.7590	31.75	38.1	90	20	151	136	108	71	71	59.9	94	84	10.5
THL-MNL-T4-603290	32	40	90	20	151	136	108	71	71	59.9	94	84	10.5

Unit : mm



4-Pos. Boring Bar Tool Holder T5

MORI SEIKI



Model No.	A	B	C	D	E	F	G	H	I	M	N	N.W.(KG)
THL-MNL-T5-602590	25	25	105	150	20	108	65	65	59.9	94	84	9.8
THL-MNL-T5-6025.479.6	25.4	25.4	105	150	20	108	65	65	59.9	94	84	9.8

Unit : mm

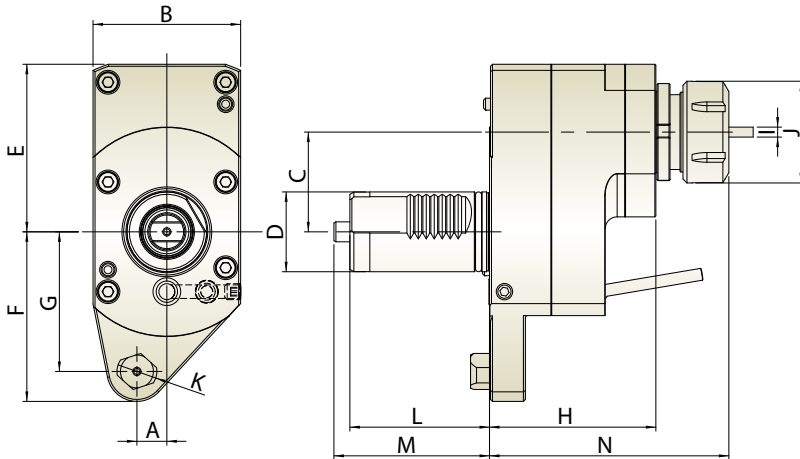


Axial Offset Tool Holder (External Coolant)

MAZAK

- ER Collet is according to DIN 6499.

 R.P.M. : Max. 6,000 RPM



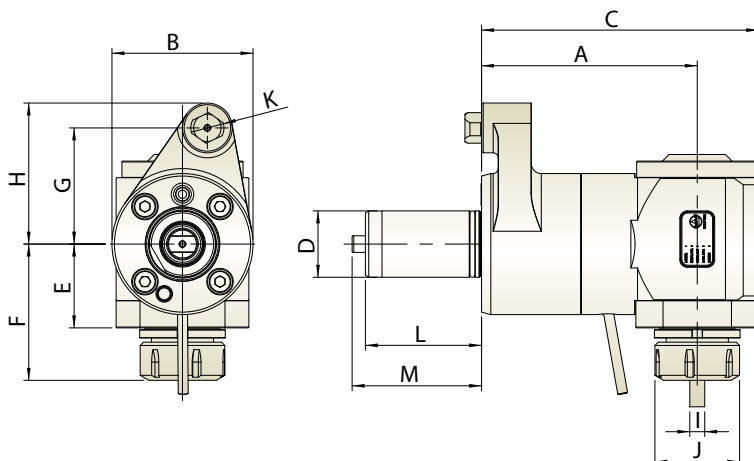
Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)	Suitable Machine
THM-C05.50-40M	15	74	50	40	84	85	70	83.4	ER32 (3~20)	51	20	70	78	120	5.77	QTN NEXUS 200 - 250 Series, SQT 15, SQT 18

Radial Tool Holder (External Coolant)

 Gear Ratio : 1 : 1

 R.P.M. : Max. 6,000 RPM

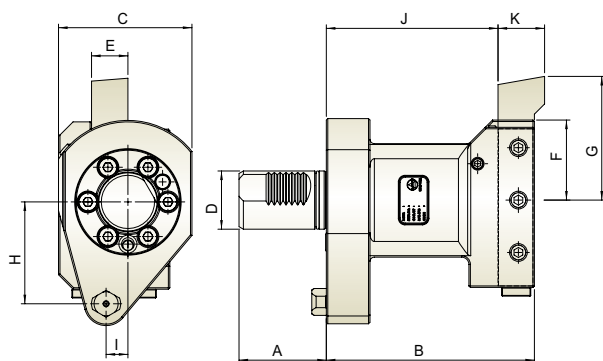


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N.W.(KG)	Suitable Machine
THM-B05.130-40M	130	85	167	40	50.5	82.1	70	85	ER32 (3~20)	51	20	70	78	8.65	QTN NEXUS 200 - 250 Series, SQT 15, SQT 18, SQT 200

Face Tool Holder B1

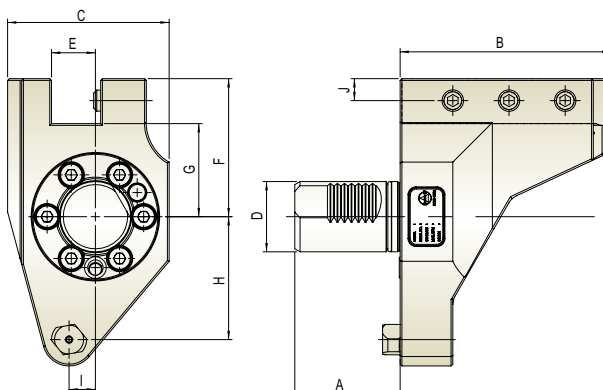
MAZAK



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	N.W.(KG)
THL-MQT-B1-4025	60	143	91.7	40	25	55	85	70	15	118	32	7.7
THL-MQT-B1-4025.4	60	143	91.7	40	25.4	55	85	70	15	118	32	7.7

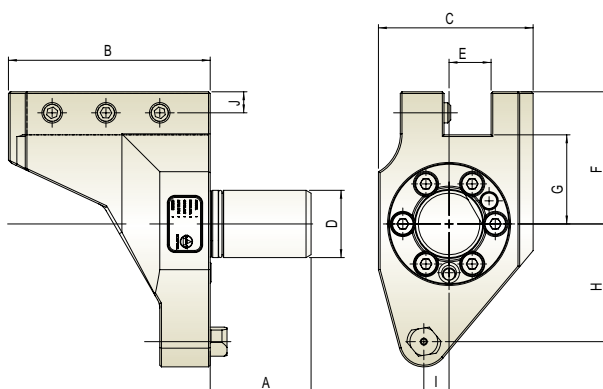
Axial Tool Holder (RH) C1



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THL-MQT-C1-4025	60	120	92	40	25	78.6	53	70	15	12.5	5.7
THL-MQT-C1-4025.4	60	120	92	40	25.4	78.6	53	70	15	12.5	5.7

Axial Tool Holder (LH) C3

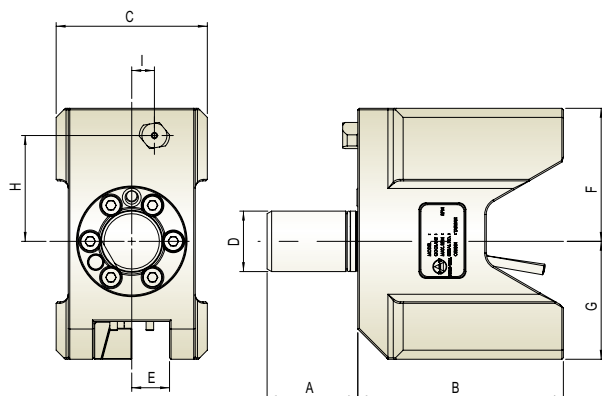


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THL-MQT-C3-4025	60	120	92	40	25	78.6	53	70	15	12.5	5.7
THL-MQT-C3-4025.4	60	120	92	40	25.4	78.6	53	70	15	12.5	5.7

Double Turning Tool Holder 2C3

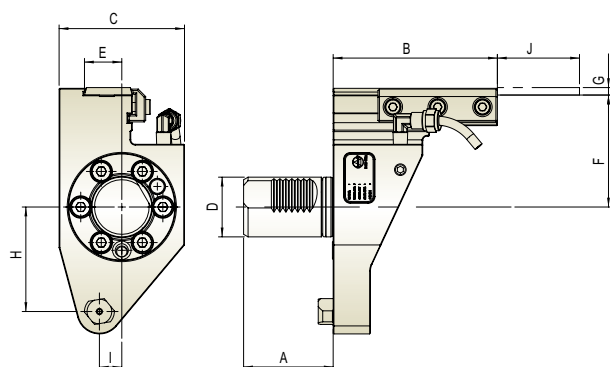
MAZAK



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THL-MQT-2C3-4025	60	136	100	40	25	88	78	70	15	10.6
THL-MQT-2C3-4025.4	60	136	100	40	25.4	88	78	70	15	10.6

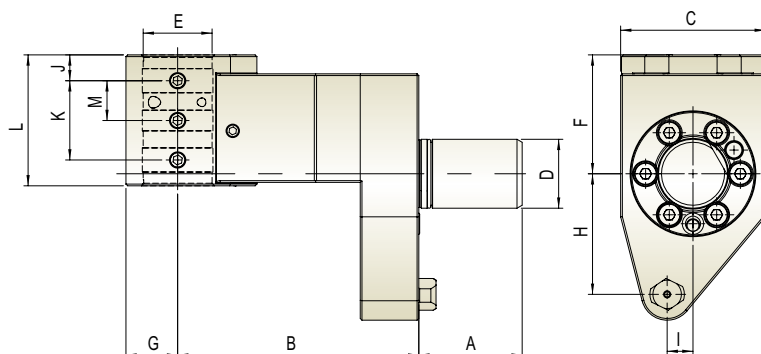
Cut-off Tool Holder H1



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	N.W.(KG)
THL-MQT-H1-4025	60	110	84	40	25	75	5	70	15	55	4.2
THL-MQT-H1-4025.4	60	110	84	40	25.4	75	5	70	15	55	4.2

Boring Bar Tool Holder T1

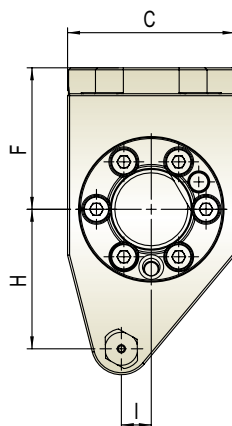
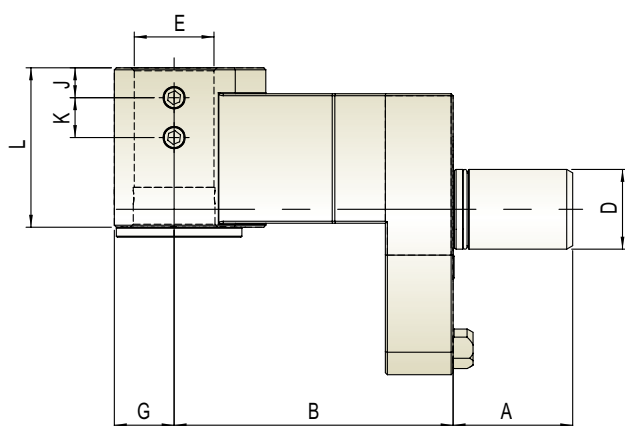


Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N.W.(KG)
THL-MQT-T1-4040140	60	140	84	40	40	69	30	70	15	15	46	80	23.1	6.8
THL-MQT-T1-4038.1140	60	140	84	40	38.1	69	30	70	15	15	46	80	23.1	6.8

Boring Bar Tool Holder T1 (Internal Coolant)

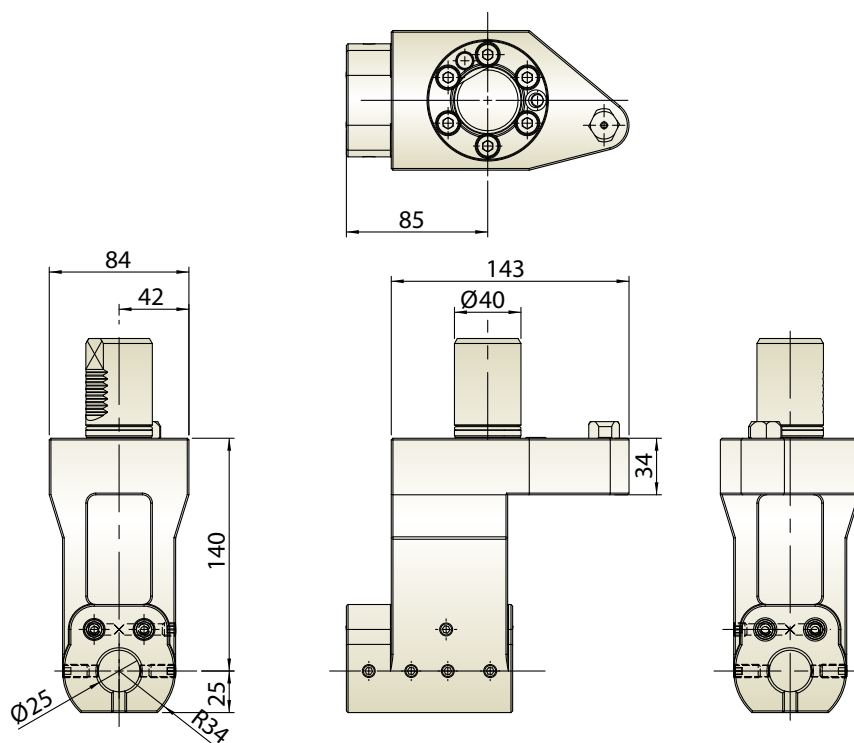
MAZAK



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W.(KG)
THL-MQT-T1-4040140-I	60	140	84	40	40	71	30	70	15	15	20	80	7.2
THL-MQT-T1-4038.1140-I	60	140	84	40	38.1	71	30	70	15	15	20	80	7.2

Double Boring Bar Tool Holder 2T1



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W.(KG)
THL-MQT-2T1-4025140	60	140	84	40	25	85	25	70	15	13.5	25.5	100	7.2
THL-MQT-2T1-4025.4140	60	140	84	40	25.4	85	25	70	15	13.5	25.5	100	7.2



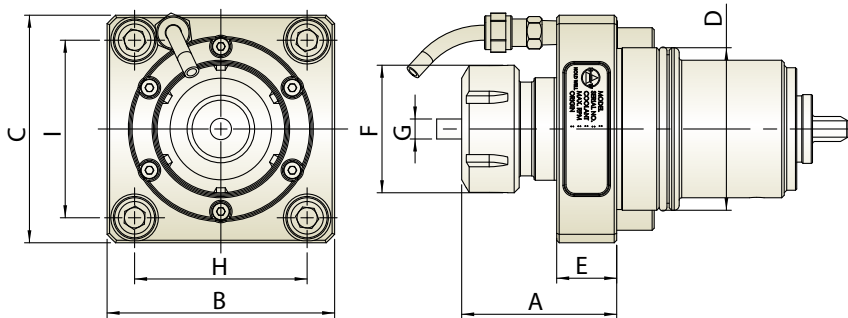
Axial Tool Holder (External Coolant)

NAKAMURA

- ER Collet is according to DIN 6499



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-A05-65N	62	91	91	65	24	51	ER32 (3~20)	69	71	2.8

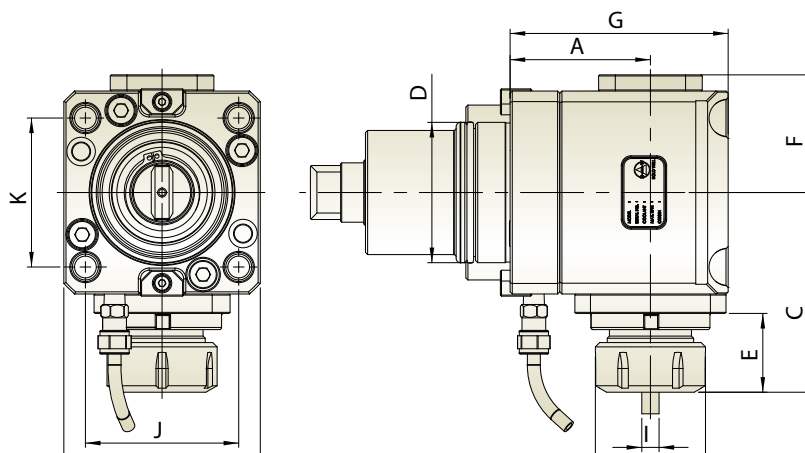
Radial Tool Holder (External Coolant)



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



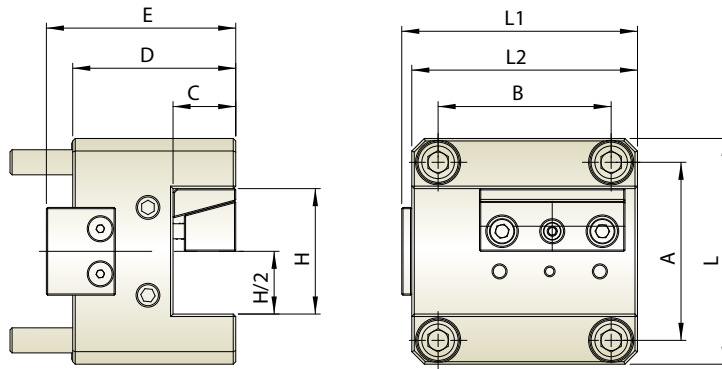
Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	N.W.(KG)
THM-B05.65-65N	65	91	92.5	65	36.5	54.5	101	51	ER32 (3~20)	71	69	7.8



Face and OD Tool Holder B1

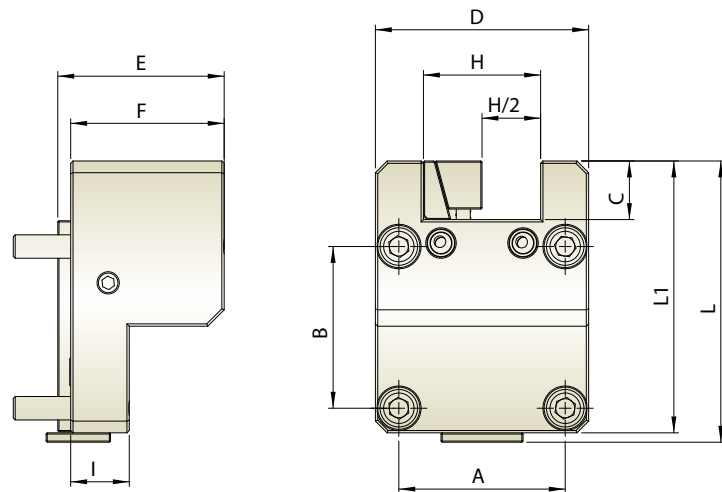
NAKAMURA



Unit : mm

Model No.	A	B	C	D	E	H	H/2	L	L1	L2	N.W.(KG)
THL-NWT-B1-6525	71	69	25	65	75.5	50	25	90	94	90	4.4

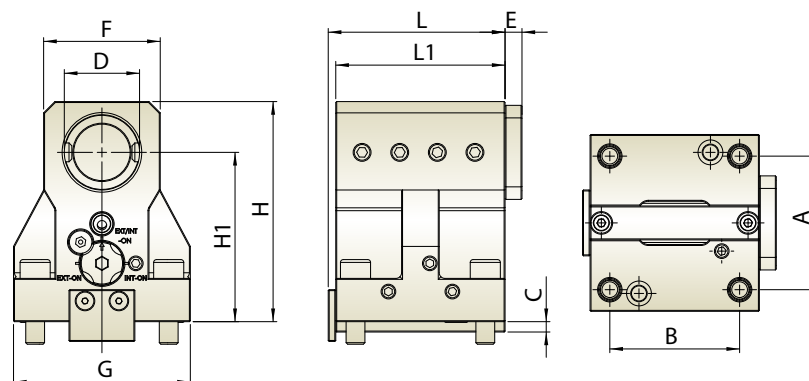
Face and ID Tool Holder C1



Unit : mm

Model No.	A	B	C	D	E	F	H	H/2	I	L	L1	N.W.(KG)
THL-NWT-C1-6525	71	69	25	91	71	65.5	50	25	25	120	116	3.9

Boring Bar Tool Holder T1 (Internal Coolant)



Unit : mm

Model No.	A	B	C	D	E	F	G	H	H/1	L	L1	N.W.(KG)
THL-NWT-T1-654090	71	69	5.5	40	9	62	94	117	90	94	90	5.6



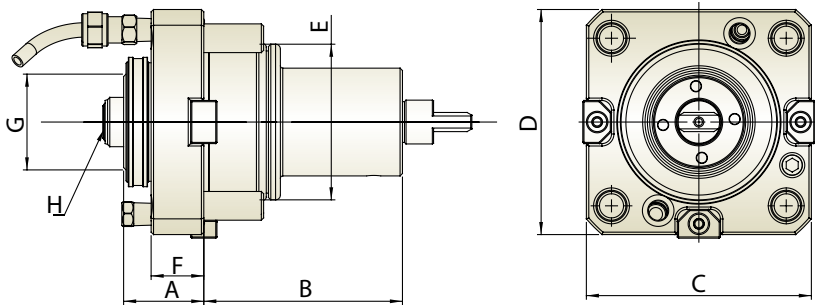
Axial Quick Change Tool Holder

BMT (DOOSAN)

- ER Collet is according to HSK A / C.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	N.W.(KG)
THM-A38-65A	22	83	94	94	65	33.5	40	HSK40	2.9

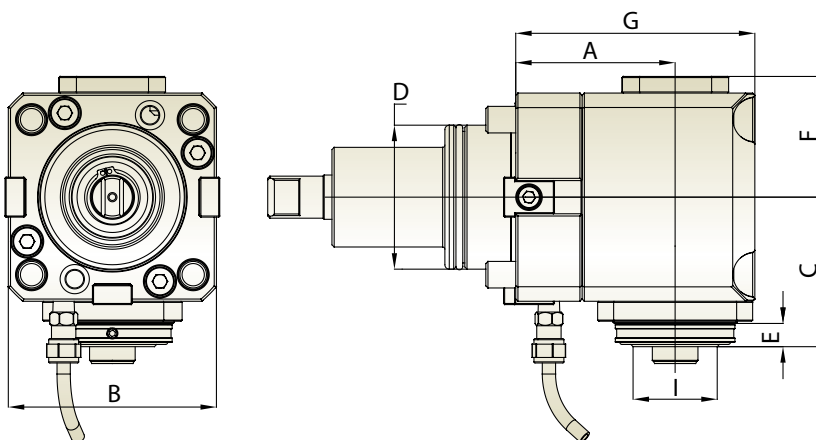
Radial Quick Change Tool Holder



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-B38.72-65A	72	94	67.5	65	11.5	54.5	108	HSK40	40	8.3

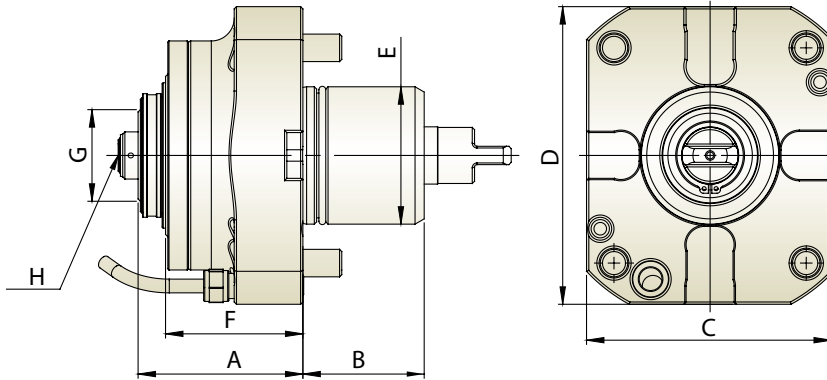


Axial Quick Change Tool Holder

MORI SEIKI

- ER Collet is according to HSK A / C.

⚙ R.P.M. : Max. 6,000 RPM



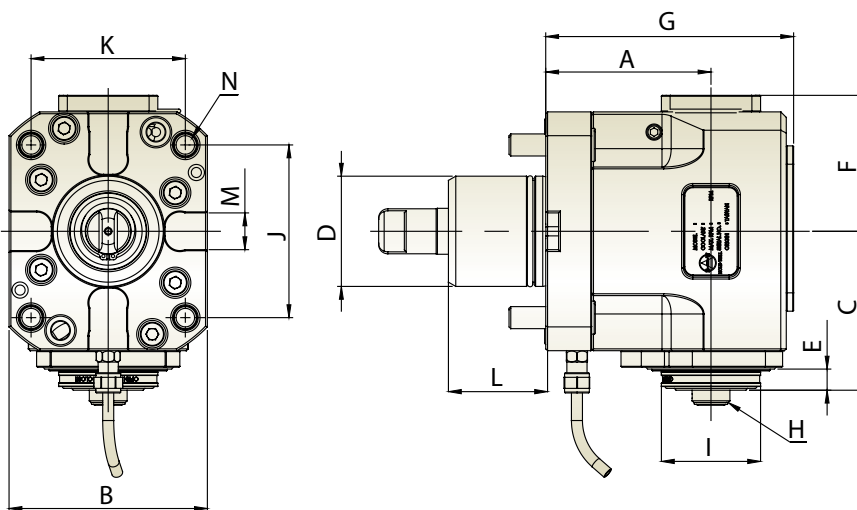
Unit : mm

Model No.	A	B	C	D	E	F	G	H	N.W.(KG)
THM-A38-60G	72	53	108	108	60	60	40	HSK40	5.8

Radial Quick Change Tool Holder

⚙ Gear Ratio : 1 : 1

⚙ R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	N.W.(KG)
THM-B38.90-60G	90	108	89.5	60	14.5	74	135	HSK40	40	94	84	54	20	M12	11



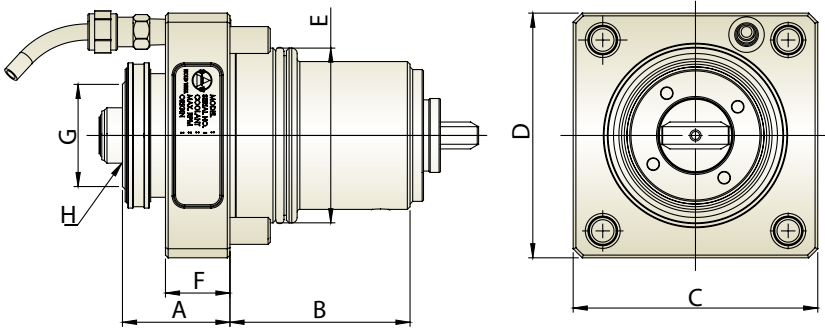
Axial Quick Change Tool Holder

NAKAMURA

- ER Collet is according to HSK A / C.



R.P.M. : Max. 6,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	N.W.(KG)
THM-A38-65N	40	92.5	91	91	65	24	40	HSK40	2.8

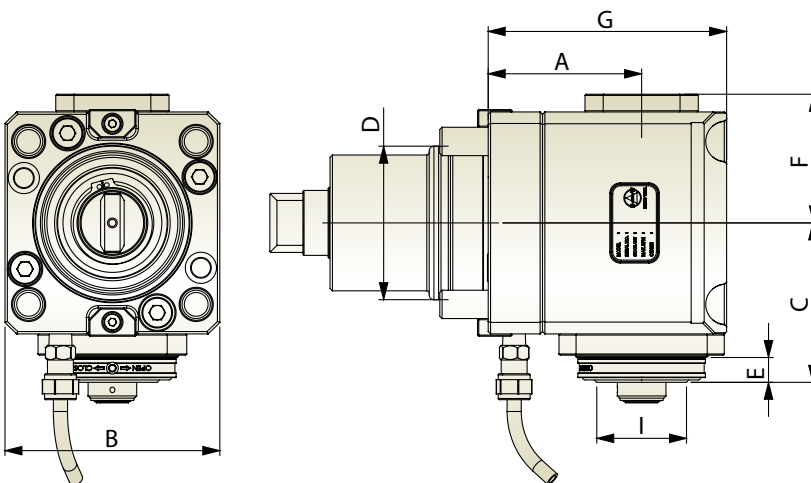
Radial Quick Change Tool Holder



Gear Ratio : 1 : 1



R.P.M. : Max. 4,000 RPM



Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
THM-B38.65-65N	65	91	67.5	65	11.5	54.5	101	HSK40	40	7.8

Static Tool Holder



Memo

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