



HOLD WELL

HOLD WELL INDUSTRIAL CO., LTD.



ISO 9001:2008

Angle Head

90° Angle Head

AHA Type



2

AHB Type



5

AHC Type



6

AHD-A1/A3 Type



7

AHD-A2/A4 Type



8

45° Angle Head

AHD-B1 Type



9

90° Angle Head

AHD-C1 Type



10

Universal Angle Head

AHG Type



11

Heavy Duty Angle Head

AHK-A1 Type



12

AHK-A2 Type



13

AHK-B1 Type



14

AHK-B2 Type



15

AHK-B2-I Type



16

AHK-C1 Type



17

Light Angle Head

AHL-A1 Type



18

AHL-B1 Type



19

Aluminum Angle Head

AHM Type



20

AHM-I Type



21

- Customized setting blocks can be easily installed without any modification of machine construction.
- The body is made of Ductile Cast Iron with high tensile strength.
- Can be automatic tool changed. Save time; increase efficiency.
- Cutting direction can be adjusted from 0 to 360 degree. Can easily be set by indicating the datum face.
- Precision P4 class bearing provides accurate concentricity.
- Low temperature rising, waterproof, oil-proof, and dust-proof.
- Avoids turning workpiece around to increase accuracy and productivity.
- Ideal for drilling, tapping, end milling, face milling, and various machining applications.

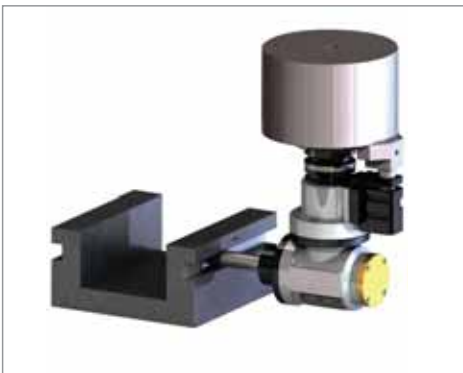
Application



● Internal Machining



● Saw and Cutting



● Side Machining



● Any Angle Machining



● Curved Surface Machining



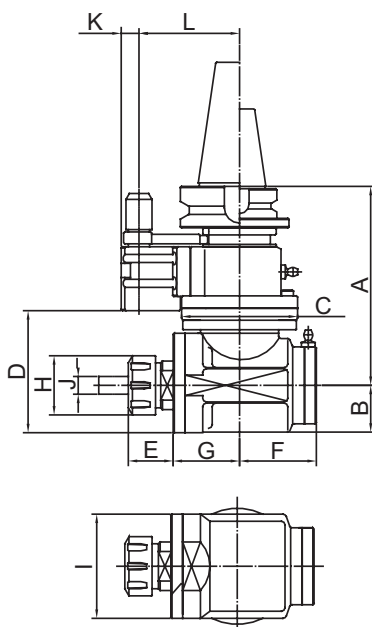
● 45 Degree Machining

Angle Head

AHA Type

- The body is made of Ductile Cast Iron. High strength steel; stable machining.
- Wide selections of tool shanks. The design of ER32, ER40, and FA25.4 heads ensures various applications.
- Can be automatic tool changed. Increases productivity.
- Suitable for light and middle cutting.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 27 Nm
Gear Ratio	: 1 : 0.81
Spindle Type	: BT, NT(ISO), SK, CAT, HSK
Standard Accessory	: Hook Spanner ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E max	F	G	H	I	J	K	L	N.W. (KG)
AHA-BT40-ER32	168	39.5	98	103	39	65	56	50	88	3~20	15	65/80/85	7.8
AHA-BT50-ER32	171	39.5	98	103	39	65	56	50	88	3~20	15	80/85/110	9.5
AHA-BT40-ER40	168	39.5	98	103	44	65	56	63	88	4~26	15	65/80/85	7.8
AHA-BT50-ER40	171	39.5	98	103	44	65	56	63	88	4~26	15	80/85/110	9.5
AHA-NT50-ER32	171	39.5	98	103	39	65	56	50	88	3~20	15	80/85/110	7.8
AHA-NT50-ER40	171	39.5	98	103	44	65	56	63	88	4~26	15	80/85/110	9.5
AHA-SK40-ER32	168	39.5	98	103	39	65	56	50	88	3~20	15	65/80/85	7.8
AHA-SK50-ER32	171	39.5	98	103	39	65	56	50	88	3~20	15	80/85/110	9.5
AHA-SK40-ER40	168	39.5	98	103	44	65	56	63	88	4~26	15	65/80/85	7.8
AHA-SK50-ER40	171	39.5	98	103	44	65	56	63	88	4~26	15	80/85/110	9.5
AHA-CAT40-ER32	168	39.5	98	103	39	65	56	50	88	3~20	15	65/80/85	7.8
AHA-CAT50-ER32	171	39.5	98	103	39	65	56	50	88	3~20	15	80/85/110	9.5
AHA-CAT40-ER40	168	39.5	98	103	44	65	56	63	88	4~26	15	65/80/85	7.8
AHA-CAT50-ER40	171	39.5	98	103	44	65	56	63	88	4~26	15	80/85/110	9.5
AHA-HSK63-ER32	175	39.5	98	103	39	65	56	50	88	3~20	15	65/80/85	7.8
AHA-HSK100-ER32	178	39.5	98	103	39	65	56	50	88	3~20	15	80/85/110	7.8
AHA-HSK63-ER40	175	39.5	98	103	44	65	56	63	88	4~26	15	65/80/85	9.5
AHA-HSK100-ER40	178	39.5	98	103	44	65	56	63	88	4~26	15	80/85/110	9.5

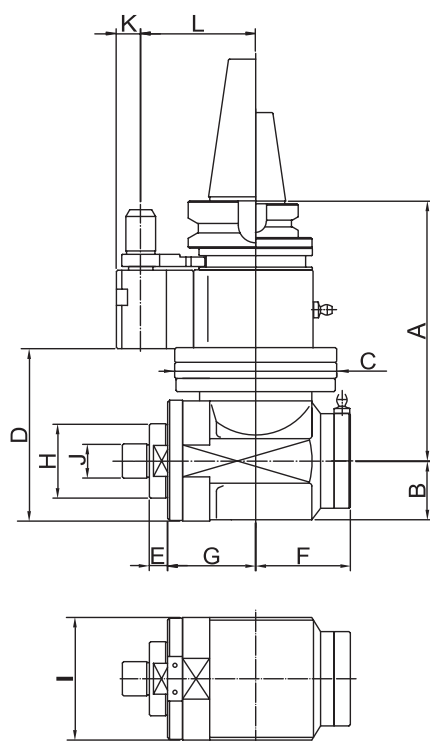
Unit : mm

Angle Head

AHA Type

- The body is made of Ductile Cast Iron. High strength steel; stable machining.
- Wide selections of tool shanks. The design of ER32, ER40, and FA25.4 heads ensures various applications.
- Can be automatic tool changed. Increases productivity.
- Suitable for light and middle cutting.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 27 Nm
Gear Ratio	: 1 : 0.81
Spindle Type	: BT, NT(ISO), SK, CAT, HSK
Standard Accessory	: Open End Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHA-BT40-FA25.4	168	39.5	98	103	12	65	56	50	88	25.4	15	65/80/85	7.8
AHA-BT50-FA25.4	171	39.5	98	103	12	65	56	50	88	25.4	15	80/85/110	9.5
AHA-NT50-FA25.4	171	39.5	98	103	12	65	56	50	88	25.4	15	80/85/110	9.5
AHA-SK40-FA25.4	168	39.5	98	103	12	65	56	50	88	25.4	15	65/80/85	7.8
AHA-SK50-FA25.4	171	39.5	98	103	12	65	56	50	88	25.4	15	80/85/110	9.5
AHA-CAT40-FA25.4	168	39.5	98	103	12	65	56	50	88	25.4	15	65/80/85	7.8
AHA-CAT50-FA25.4	171	39.5	98	103	12	65	56	50	88	25.4	15	80/85/110	9.5
AHA-HSK63-FA25.4	175	39.5	98	103	12	65	56	50	88	25.4	15	65/80/85	7.8
AHA-HSK100-FA25.4	178	39.5	98	103	12	65	56	50	88	25.4	15	80/85/110	9.5

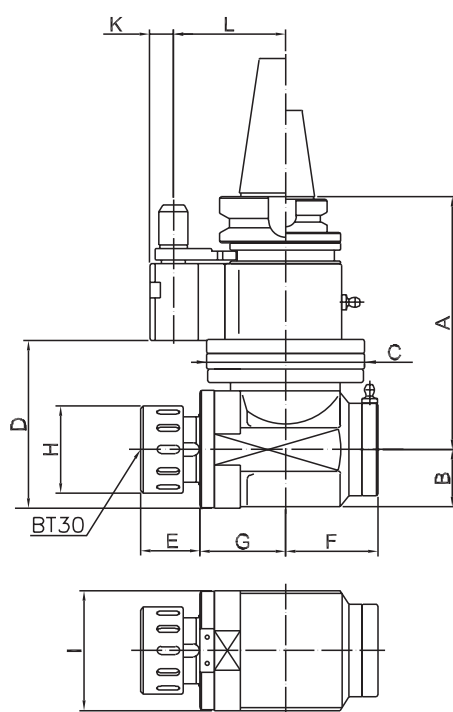
Unit : mm

Angle Head

AHB Type

- The body is made of Ductile Cast Iron. High strength steel; stable machining.
- The output interface of BT30 ensures wide-range application with various BT30 tool holders.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 47 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Hook Spanner Open End Wrench, BT Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	K	L	N.W. (KG)
AHB-BT40-BT30	192	43.5	120	127.5	45	70	65	66	91	18	70/80/85	12.1
AHB-BT50-BT30	195	43.5	120	127.5	45	70	65	66	91	18	80/85/110	14.7
AHB-SK40-BT30	192	43.5	120	127.5	45	70	65	66	91	18	70/80/85	12.1
AHB-SK50-BT30	195	43.5	120	127.5	45	70	65	66	91	18	80/85/110	14.7
AHB-CAT40-BT30	192	43.5	120	127.5	45	70	65	66	91	18	70/80/85	12.1
AHB-CAT50-BT30	195	43.5	120	127.5	45	70	65	66	91	18	80/85/110	14.7
AHB-HSK63-BT30	206	43.5	120	127.5	45	70	65	66	91	18	70/80/85	12.1
AHB-HSK100-BT30	202	43.5	120	127.5	45	70	65	66	91	18	80/85/110	14.7

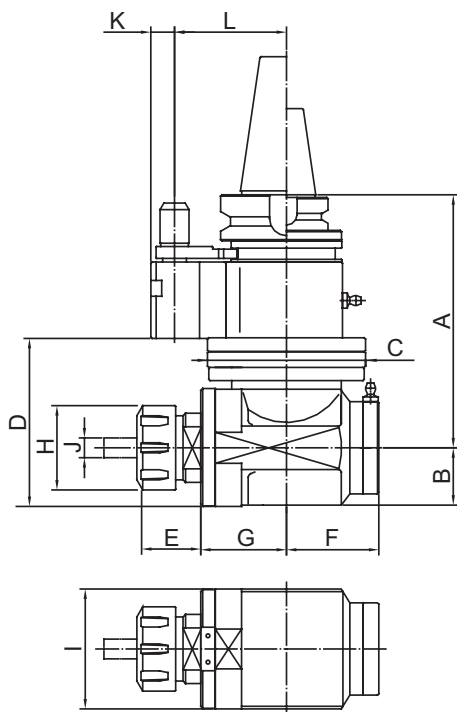
Unit : mm

Angle Head

- The body is made of Ductile Cast Iron. High strength steel; stable machining.
- Can be automatic tool changed. Increases productivity.

AHB Type

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 47 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Hook Spanner ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E max	F	G	H	I	J	K	L	N.W. (KG)
AHB-BT40-ER40	192	43.5	120	127.5	44	70	65	63	91	4~26	18	70/80/85	12.1
AHB-BT50-ER40	195	43.5	120	127.5	44	70	65	63	91	4~26	18	80/85/110	14.7
AHB-SK40-ER40	192	43.5	120	127.5	44	70	65	63	91	4~26	18	70/80/85	12.1
AHB-SK50-ER40	195	43.5	120	127.5	44	70	65	63	91	4~26	18	80/85/110	14.7
AHB-CAT40-ER40	192	43.5	120	127.5	44	70	65	63	91	4~26	18	70/80/85	12.1
AHB-CAT50-ER40	195	43.5	120	127.5	44	70	65	63	91	4~26	18	80/85/110	14.7
AHB-HSK63-ER40	206	43.5	120	127.5	44	70	65	63	91	4~26	18	70/80/85	12.1
AHB-HSK100-ER40	202	43.5	120	127.5	44	70	65	63	91	4~26	18	80/85/110	14.7

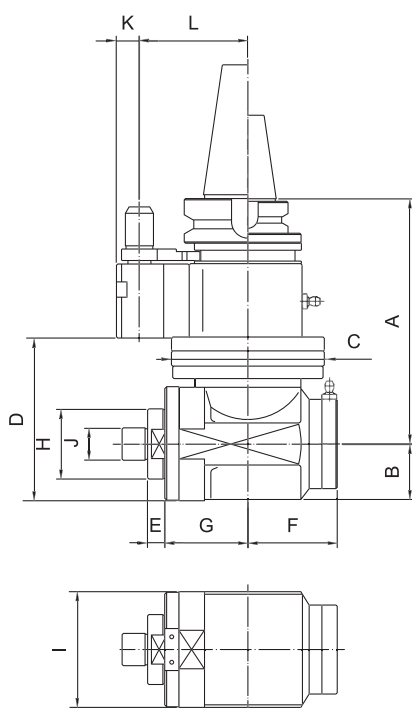
Unit : mm

Angle Head

AHC Type

- The body is made of Ductile Cast Iron. High strength steel; stable machining.
- The AHC series is suitable for firm and fast face milling.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 47 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Open End Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHC-BT40-FA25.4	192	43.5	120	127.5	13.5	70	65	55	91	25.4	18	70/80/85	12.1
AHC-BT50-FA25.4	195	43.5	120	127.5	13.5	70	65	55	91	25.4	18	80/85/110	14.7
AHC-SK40-FA25.4	192	43.5	120	127.5	13.5	70	65	55	91	25.4	18	70/80/85	12.1
AHC-SK50-FA25.4	195	43.5	120	127.5	13.5	70	65	55	91	25.4	18	80/85/110	14.7
AHC-CAT40-FA25.4	192	43.5	120	127.5	13.5	70	65	55	91	25.4	18	70/80/85	12.1
AHC-CAT50-FA25.4	195	43.5	120	127.5	13.5	70	65	55	91	25.4	18	80/85/110	14.7
AHC-HSK63-FA25.4	206	43.5	120	127.5	13.5	70	65	55	91	25.4	18	70/80/85	12.1
AHC-HSK100-FA25.4	202	43.5	120	127.5	13.5	70	65	55	91	25.4	18	80/85/110	14.7

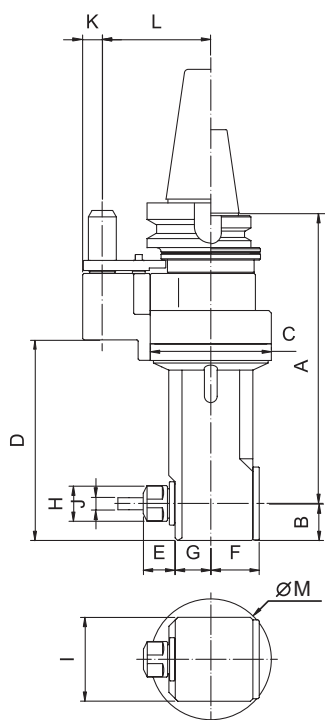
Unit : mm

Angle Head

AHD-A1/A3Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact and longer body design is suitable for the deep-hole and deep-slot machining application.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 6000 RPM
Torque	: Max. 15 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Hook Spanner ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E max	F	G	H	I	J	K	L	M	N.W. (KG)
AHD-BT40-A1	227	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	8.4
AHD-BT50-A1	238	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	11
AHD-SK40-A1	227	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	8.1
AHD-SK50-A1	238	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	10.8
AHD-CAT40-A1	227	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	8.1
AHD-CAT50-A1	238	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	10.8
AHD-HSK63-A1	248	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	8.4
AHD-HSK100-A1	244	29	95	156	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	11
AHD-BT40-A3	227	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	8.4
AHD-BT50-A3	238	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	11
AHD-SK40-A3	227	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	8.1
AHD-SK50-A3	238	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	10.8
AHD-CAT40-A3	227	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	8.1
AHD-CAT50-A3	238	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	10.8
AHD-HSK63-A3	248	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	8.4
AHD-HSK100-A3	244	29	95	156	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	11

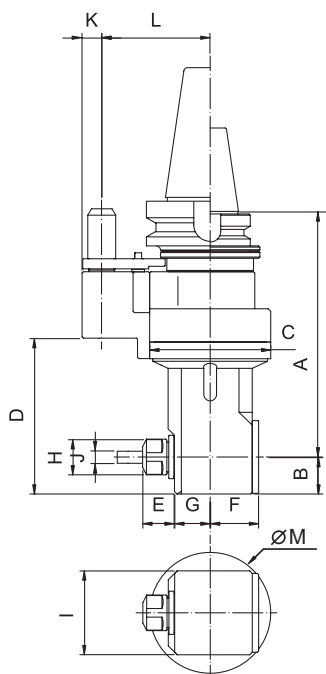
Unit : mm

Angle Head

AHD-A2/A4 Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact body design is the best tool for internal machining application.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 6000 RPM
Torque	: Max. 15 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Hook Spanner ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E max	F	G	H	I	J	K	L	M	N.W. (KG)
AHD-BT40-A2	192	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	7.2
AHD-BT50-A2	203	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	10
AHD-SK40-A2	192	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	6.9
AHD-SK50-A2	203	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	9.8
AHD-CAT40-A2	192	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	6.9
AHD-CAT50-A2	203	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	9.8
AHD-HSK63-A2	213	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	65/80/85	116	6.9
AHD-HSK100-A2	209	29	95	122	38	38	28	34	66	1~13(ER20)	15.5	80/85/110	116	9.8
AHD-BT40-A4	192	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	7.2
AHD-BT50-A4	203	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	10
AHD-SK40-A4	192	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	6.9
AHD-SK50-A4	203	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	9.8
AHD-CAT40-A4	192	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	6.9
AHD-CAT50-A4	203	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	9.8
AHD-HSK63-A4	213	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	65/80/85	125	6.9
AHD-HSK100-A4	209	29	95	122	47	38	28	42	66	2~16(ER25)	15.5	80/85/110	125	9.8

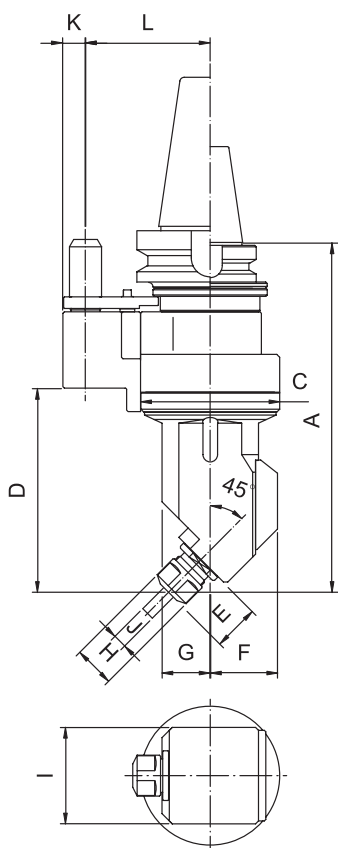
Unit : mm

Angle Head

AHD-B1 Type

- 6000 rpm high speed processing.
- The 45 degree design ensures 45 degree drilling, milling and curved surface processing.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 6000 RPM
Torque	: Max. 15 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT, HSK
Standard Accessory	: Hook Spanner ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHD-BT40-B1	238	95	139	30	46	33	34	66	1~13(ER20)	15.5	65/85/80	7.4
AHD-BT50-B1	249	95	139	30	46	33	34	66	1~13(ER20)	15.5	80/85/110	10.2
AHD-SK40-B1	238	95	139	30	46	33	34	66	1~13(ER20)	15.5	65/85/80	7.1
AHD-SK50-B1	249	95	139	30	46	33	34	66	1~13(ER20)	15.5	80/85/110	10
AHD-CAT40-B1	238	95	139	30	46	33	34	66	1~13(ER20)	15.5	65/85/80	7.1
AHD-CAT50-B1	249	95	139	30	46	33	34	66	1~13(ER20)	15.5	80/85/110	10
AHD-HSK63-B1	259	95	139	30	46	33	34	66	1~13(ER20)	15.5	65/85/80	7.1
AHD-HSK100-B1	255	95	139	30	46	33	34	66	1~13(ER20)	15.5	80/85/110	10

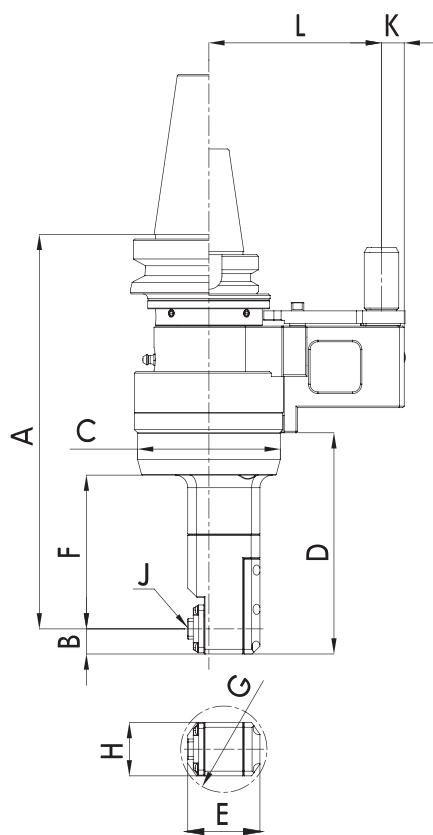
Unit : mm

Angle Head

AHD-C1 Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact and longer body design is suitable for the deep-hole and deep-slot machining application.
- Can be automatic tool changed. Increases productivity.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Alloy Steel & Ductile Cast Iron
R.P.M.	: Max. 6000 RPM
Torque	: Max. 8 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, L Type Wrench
Output Rotation	: Same as Input Rotation



Model No.	A	B	C	D	E	F	G	H	J	K	L	N.W. (KG)
AHD-BT40-C1	240.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	65/80/85/110	6
AHD-BT50-C1	251.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	80/85/110	8.7
AHD-SK40-C1	240.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	65/80/85/110	6
AHD-SK50-C1	251.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	80/85/110	8.7
AHD-CAT40-C1	240.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	65/80/85/110	6
AHD-CAT50-C1	251.5	16	91	141	46	98	50	34	2-6(DC 6)	14.5	80/85/110	8.7

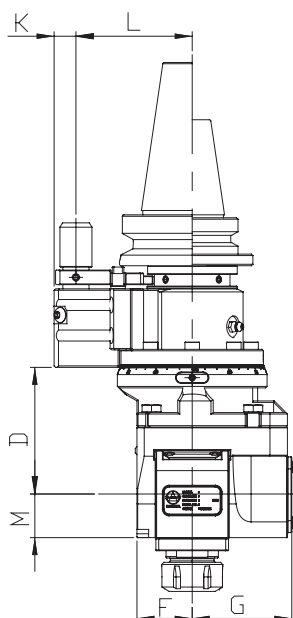
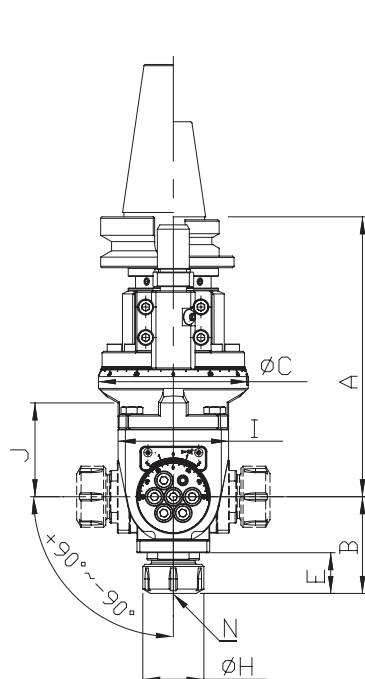
Unit : mm

Angle Head

AHG Type

- Cutting angle can be set from 0 to ± 90 degree for various applications.
- Compact design provides extra strength, oil-proof, dust-proof, and duration.
- Can be automatic tool changed. Increases productivity.

Run-out	: 0.002 mm
Material	: Alloy Steel & Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 20 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B max	C	D	E max	F	G	H	I	J	K	L	M	N	N.W. (KG)
AHG-BT40-A1	184.5	89	103	87.6	32	38	68.5	42	76	64.5	15	65/80/85	29.5	2~16 (ER25)	9
AHG-BT50-A1	195	89	103	87.6	32	38	68.5	42	76	64.5	15	80/85/110	29.5	2~16 (ER25)	11.5
AHG-SK40-A1	184.5	89	103	87.6	32	38	68.5	42	76	64.5	15	65/80/85	29.5	2~16 (ER25)	9
AHG-SK50-A1	195	89	103	87.6	32	38	68.5	42	76	64.5	15	80/85/110	29.5	2~16 (ER25)	11.5
AHG-CAT40-A1	184.5	89	103	87.6	32	38	68.5	42	76	64.5	15	65/80/85	29.5	2~16 (ER25)	9
AHG-CAT50-A1	195	89	103	87.6	32	38	68.5	42	76	64.5	15	80/85/110	29.5	2~16 (ER25)	11.5

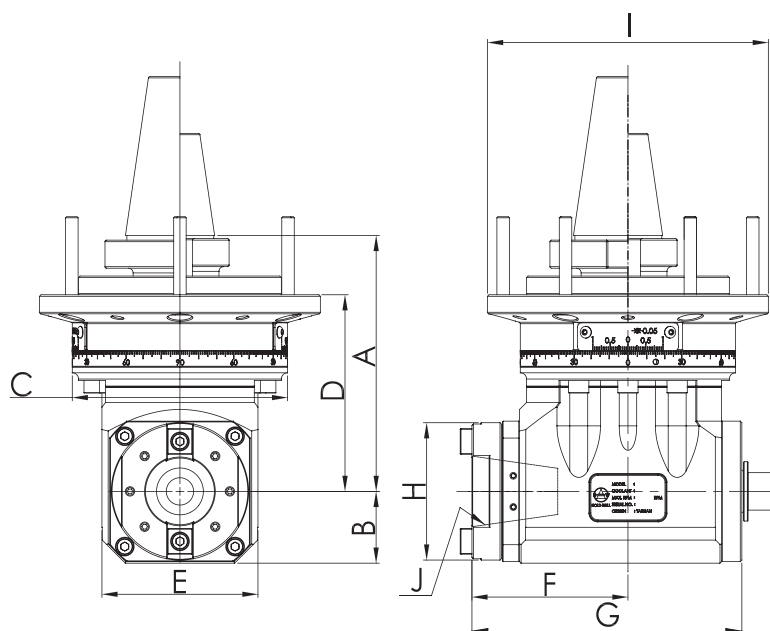
Unit : mm

Angle Head

AHK-A1 Type

- The output interface of BT40 ensures wide-range application with various BT40 tool holders.
- Mount directly on the machine spindle surface. Rugged body construction for heavy duty cutting.
- Interchangeable among same taper machines by changing the mounting plate.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 100 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	N.W. (KG)
AHK-BT40-A1G	164	46	138	126	100	100	173.5	89	180	BT40	17.3
AHK-BT50-A1G	164	46	138	126	100	100	173.5	89	180	BT40	20
AHK-SK40-A1G	164	46	138	126	100	100	173.5	89	180	BT40	17.3
AHK-SK50-A1G	164	46	138	126	100	100	173.5	89	180	BT40	20
AHK-CAT40-A1G	164	46	138	126	100	100	173.5	89	180	BT40	17.3
AHK-CAT50-A1G	164	46	138	126	100	100	173.5	89	180	BT40	20

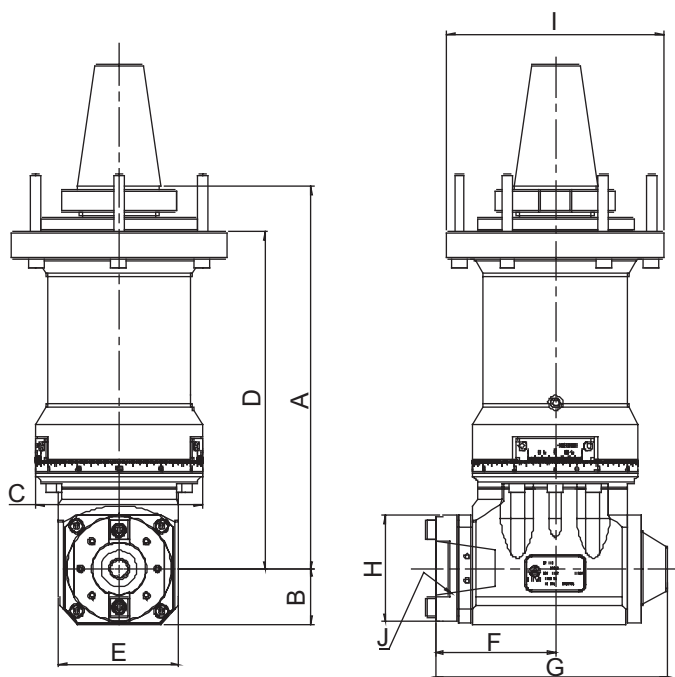
Unit : mm

Angle Head

AHK-A2 Type

- The output interface of BT40 ensures wide-range application with various BT40 tool holders.
- Mount directly on the machine spindle surface. Rugged body construction for heavy duty cutting.
- Interchangeable among same taper machines by changing the mounting plate.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Ductile Cast Iron
R.P.M.	: Max. 4000 RPM
Torque	: Max. 100 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	N.W. (KG)
AHK-BT40-A2G	318	46	138	280	100	100	173.5	89	180	BT40	30.9
AHK-BT50-A2G	318	46	138	280	100	100	173.5	89	180	BT40	33.6
AHK-SK40-A2G	318	46	138	280	100	100	173.5	89	180	BT40	30.9
AHK-SK50-A2G	318	46	138	280	100	100	173.5	89	180	BT40	33.6
AHK-CAT40-A2G	318	46	138	280	100	100	173.5	89	180	BT40	30.9
AHK-CAT50-A2G	318	46	138	280	100	100	173.5	89	180	BT40	33.6

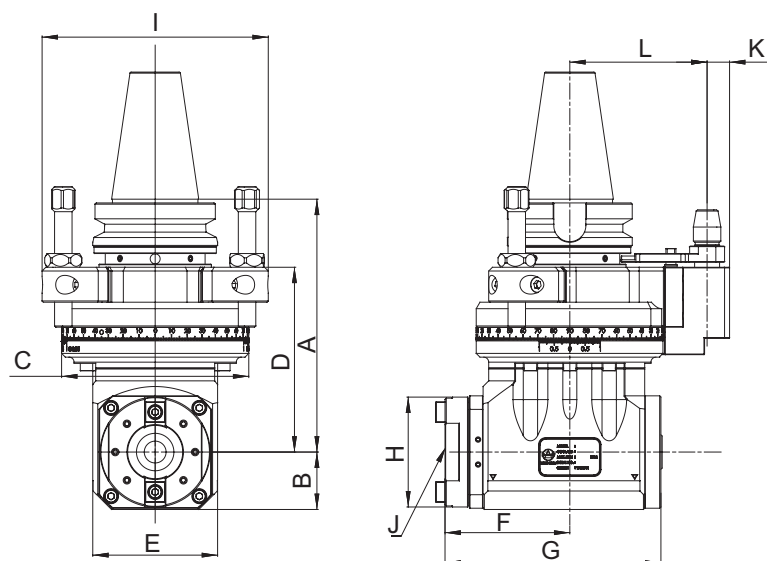
Unit : mm

Angle Head

AHK-B1 Type

- The output interface of BT40 ensures wide-range application with various BT40 tool holder.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.
- Multi-block support system improves working rigidity and stability.
- The automatic disengagement and engagement of Angle Head can be easily operated on the base of table and improve efficiency.
- Rugged Alloy Steel body construction with compact design.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 4000 RPM
Torque	: Max. 60 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHK-BT50-B1	203	46	150	148	100	100	173	88	200	BT40	18	110	22.5
AHK-SK50-B1	203	46	150	148	100	100	173	88	200	BT40	18	110	22.5
AHK-CAT50-B1	203	46	150	148	100	100	173	88	200	BT40	18	110	22.5

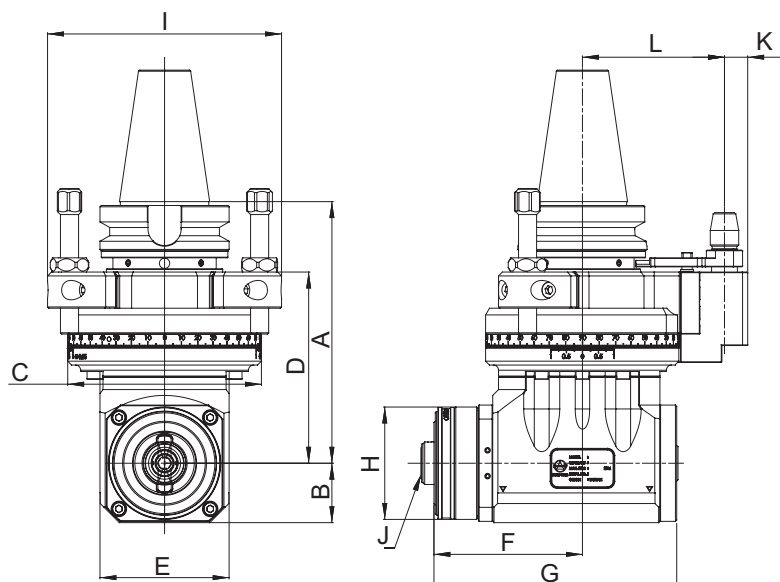
Unit : mm

Angle Head

AHK-B2 Type

- The output interface of HSK63 ensures wide-range application with various HSK63 tool holders.
- Rugged Alloy Steel body construction with compact design.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.
- Multi-block support system improves working rigidity and stability.
- The automatic disengagement and engagement of Angle Head can be easily operated on the base of table and improve efficiency.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 4000 RPM
Torque	: Max. 60 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench : L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHK-BT50-B2	203	46	150	148	100	115	188	87	200	HSK63	18	110	23.4
AHK-SK50-B2	203	46	150	148	100	115	188	87	200	HSK63	18	110	23.4
AHK-CAT50-B2	203	46	150	148	100	115	188	87	200	HSK63	18	110	23.4

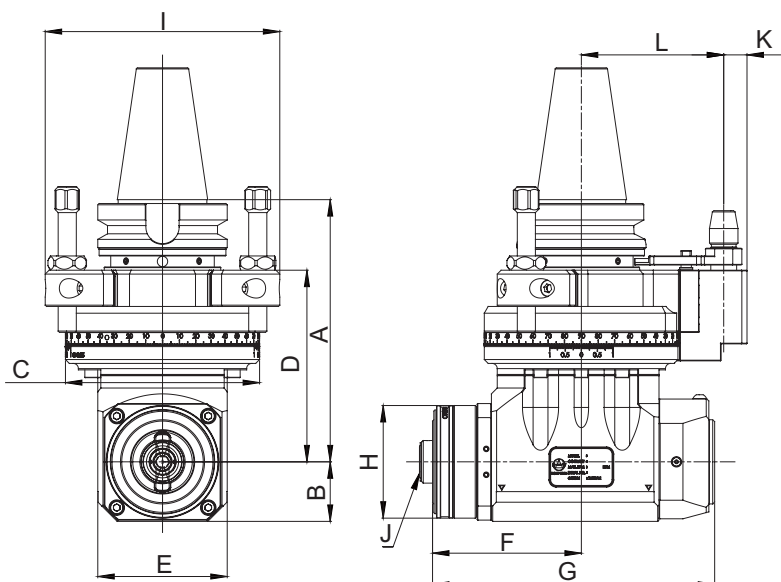
Unit : mm

Angle Head (Internal Coolant)

AHK-B2-I Type

- The output interface of HSK63 ensures wide-range application with various HSK63 tool holders.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.
- Multi-block support system ensures working rigidity and stability.
- The automatic disengagement and engagement of Angle Head can be easily operated on the base of table and improve efficiency.
- Rugged Alloy Steel body construction with compact design.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 4000 RPM
Torque	: Max. 60 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench : L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	N.W. (KG)
AHK-BT50-B2-I	203	46	150	148	100	115	218	87	200	HSK63	18	110	23.4
AHK-SK50-B2-I	203	46	150	148	100	115	218	87	200	HSK63	18	110	23.4
AHK-CAT50-B2-I	203	46	150	148	100	115	218	87	200	HSK63	18	110	23.4

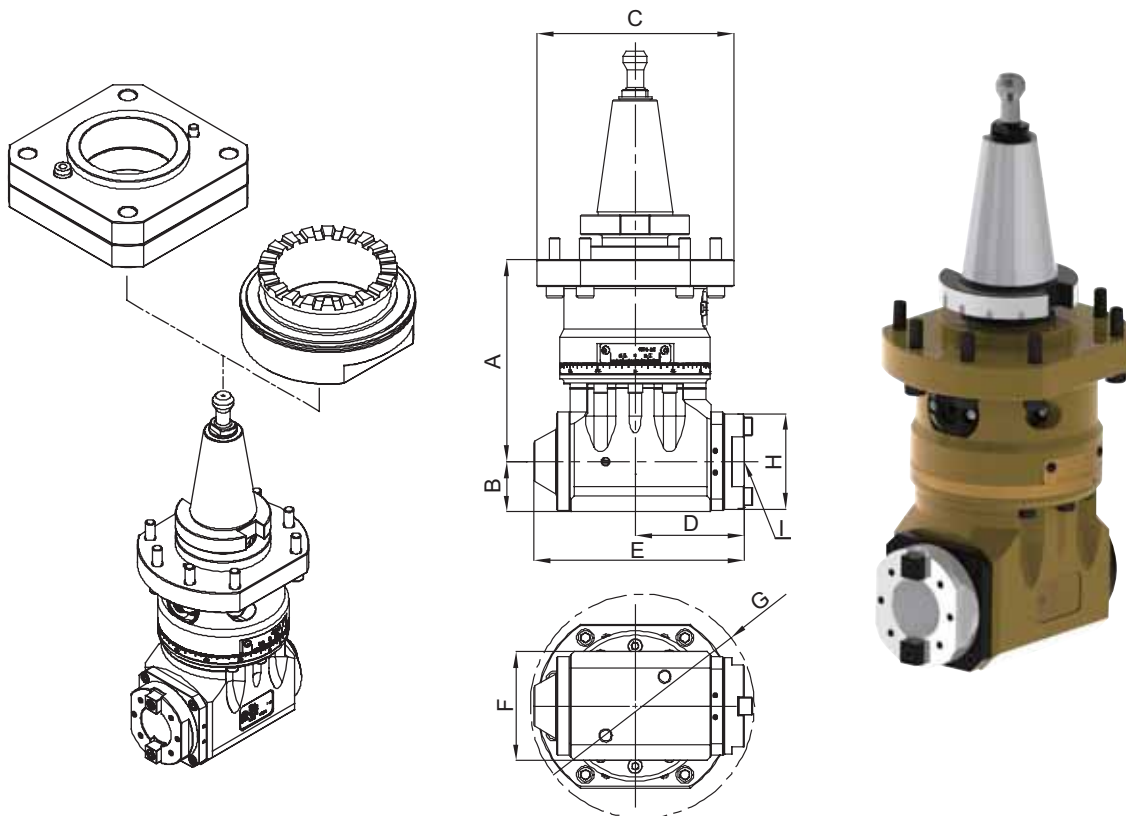
Unit : mm

Angle Head

AHK-C1 Type

- Can be applied on Vertical Turning Center, Plano Milling Machine and various machines with Adapter Plate.
- Built-in spindle positioning system. The flexible design of connection part which is suitable for various magazines makes the ATC application possible.
- Can be connected to tooth-shaped Flange Disc or any shape of Machine Spindle surface to reach max. rigidity.
- Hardened precision spiral bevel gears ensure stable performance with long service life.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 4000 RPM
Torque	: Max. 60 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench : L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	N.W.(KG)
AHK-BT50-C1	185	46	180	100	193	100	205	88	BT40	25.7
AHK-SK50-C1	185	46	180	100	193	100	205	88	BT40	25.7
AHK-CAT50-C1	185	46	180	100	193	100	205	88	BT40	25.7

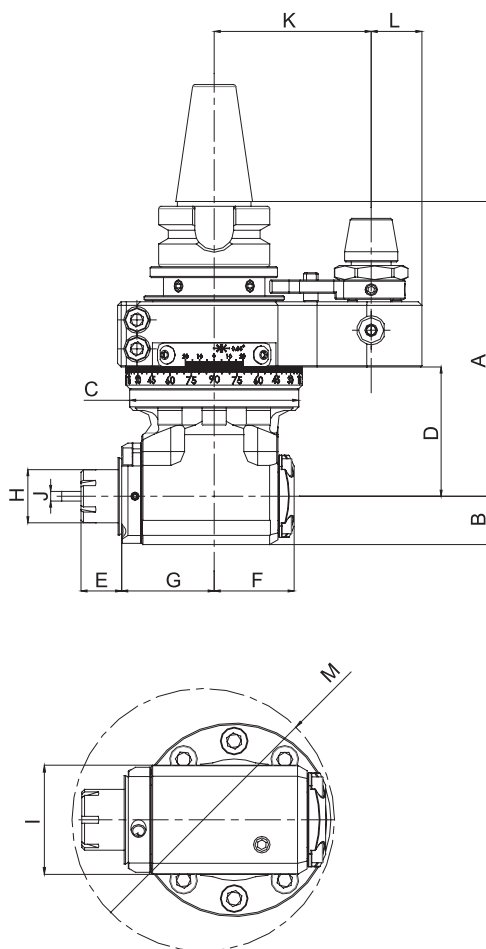
Unit : mm

Angle Head

AHL-A1 Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact and lighter body design is suitable for drilling, milling, and tapping application.
- Can be automatic tool changed. Increases productivity.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 6000 RPM
Torque	: Max. 12 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench : L Type Wrench
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N.W. (KG)
AHL-BT30-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3
AHL-BT40-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3.3
AHL-SK30-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3
AHL-SK40-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3.3
AHL-CAT30-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3
AHL-CAT40-A1	122	20	70	53.5	17	33.1	38.3	22	39.5	1~10 (ER16)	65	21	95	3.3

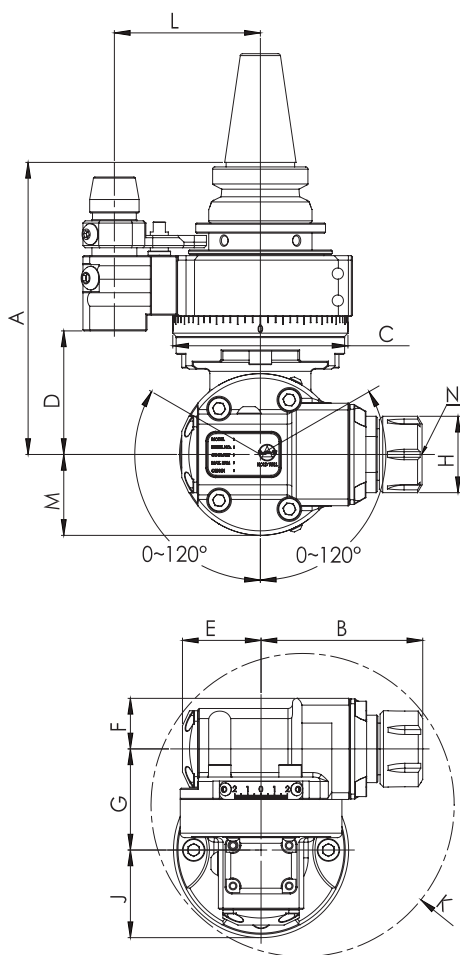
Unit : mm

Angle Head

AHL-B1 Type

- Cutting angle can be set from $0 \sim \pm 120^\circ$ for various applications.
- Compact design provides extra strength, oil-proof, dust-proof, and duration.
- Can be automatic tool changed. Increases productivity.
- Cutting direction can be adjusted from $0 \sim 360$ degree.

Run-out	: 0.002 mm
Material	: Alloy Steel
R.P.M.	: Max. 4000 RPM
Torque	: Max. 9 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B max	C	D	E	F	G	H	J	K	L	M	N	N.W (KG)
AHL-BT30-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4
AHL-BT40-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4.5
AHL-SK30-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4
AHL-SK40-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4.5
AHL-CAT30-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4
AHL-CAT40-B1	130	72~79	73	61.5	34.5	22.5	45	36	36.5	140	65	36	1~13 (ER20)	4.5

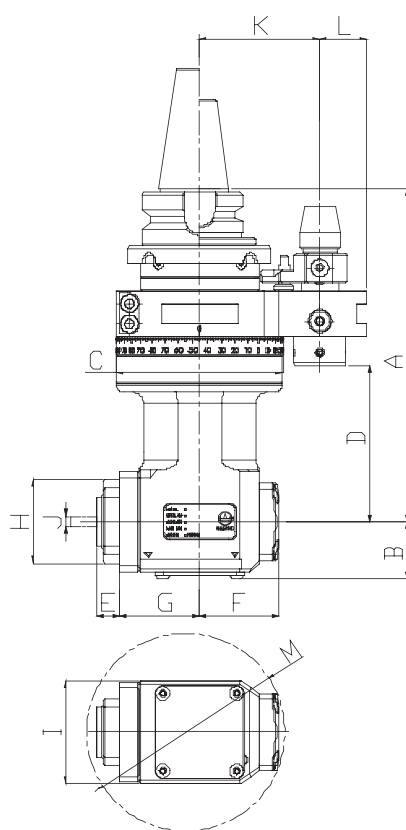
Unit : mm

Angle Head

AHM Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact and lighter body design is suitable for machines with light-load magazine and high speed ATC system.
- Can be automatic tool changed. Increases productivity.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Aerospace Aluminum Alloy
R.P.M.	: Max. 6000 RPM
Torque	: Max. 15 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N.W. (KG)
AHM-BT30-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	4.5
AHM-BT30-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	4.5
AHM-BT40-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	5
AHM-BT40-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	5
AHM-SK30-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	4.5
AHM-SK30-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	4.5
AHM-SK40-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	5
AHM-SK40-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	5
AHM-CAT30-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	4.5
AHM-CAT30-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	4.5
AHM-CAT40-A04.180G	180	31.2	90	84.5	26.5	43	43.5	42	60	1~16 (ER25)	65	25	120	5
AHM-CAT40-A10.180G	180	31.2	90	84.5	12	43	43.5	45	60	1~13 (ER20 F.T.)	65	25	105	5

Unit : mm

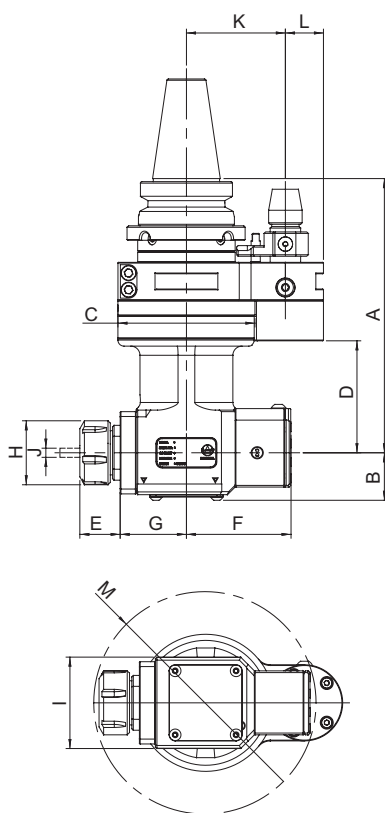
* F.T. : Female Thread

Angle Head (Internal Coolant)

AHM Type

- 6000 rpm high speed processing. Increases machining efficiency.
- Compact and lighter body design is suitable for machines with light-load magazine and high speed ATC system.
- Can be automatic tool changed. Increases productivity.
- Cutting direction can be adjusted from 0 ~ 360 degree.

Run-out	: 0.002 mm
Material	: Aerospace Aluminum Alloy
R.P.M.	: Max. 6000 RPM
Torque	: Max. 15 Nm
Gear Ratio	: 1 : 1
Spindle Type	: BT, SK, CAT
Standard Accessory	: Open End Wrench, ER Wrench, ER Nut
Output Rotation	: Reverse to Input Rotation



Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N.W. (KG)
AHM-BT30-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.3
AHM-BT40-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.8
AHM-SK30-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.3
AHM-SK40-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.8
AHM-CAT30-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.3
AHM-CAT40-A04.180G-I	180	31.2	90	84.5	26.5	68.7	43.5	42	60	1~16 (ER25)	65	25	120	5.8

Unit : mm

► **Optional Accessory**



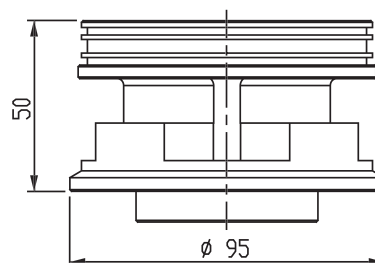
Setting Block



Flange Disc



Extension
(only for AHD series)



Digital Torque Wrench



MEMO

HOLD WELL

HOLD WELL

Machine Tool Accessories



MEMO

HOLD WELL

HOLD WELL

Machine Tool Accessories



HOLD WELL

HOLD WELL INDUSTRIAL CO., LTD.

www.holdwell.com
sales@mail.holdwell.com