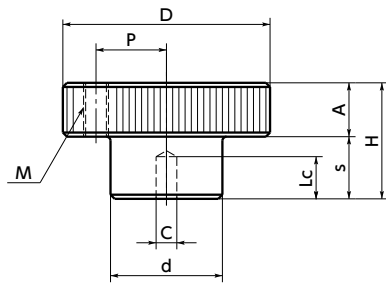
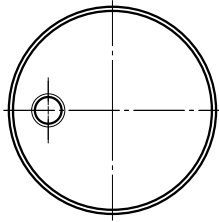


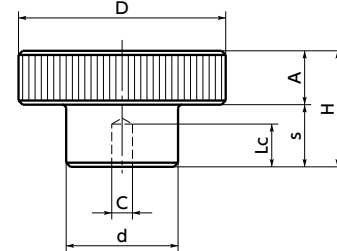
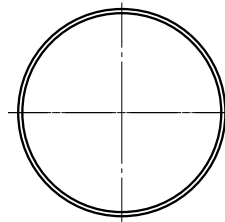
HAK

With pilot hole and grip mounting hole



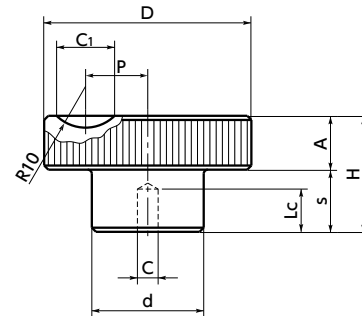
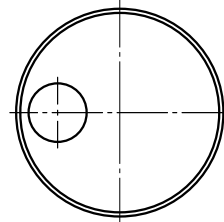
HAK-N

With pilot hole and without grip mounting hole



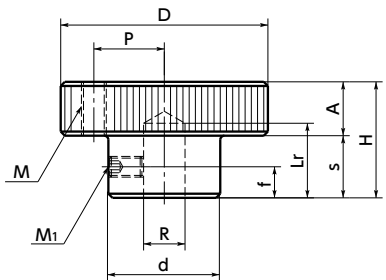
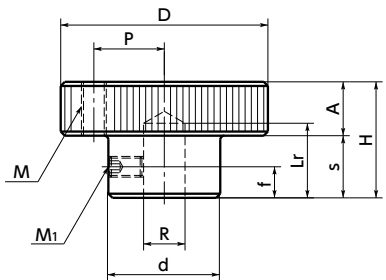
HAK-FH

With pilot hole and finger hole



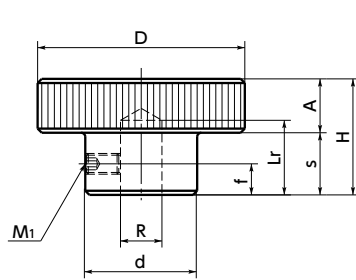
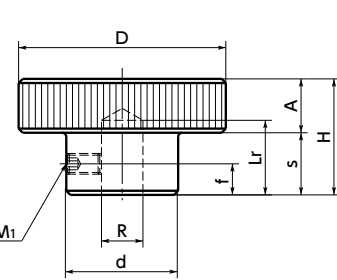
HAK-R

With reamer bore and grip mounting hole



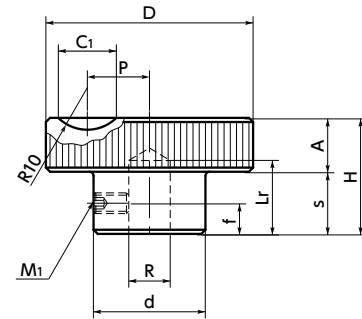
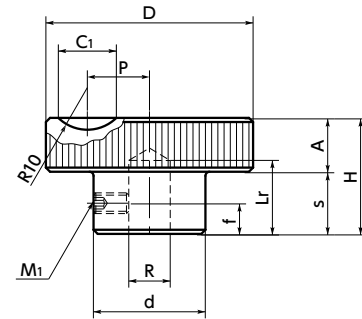
HAK-R-N

With reamer bore and without grip mounting hole



HAK-R-FH

With reamer bore and finger hole



HAK With pilot hole and grip mounting hole **HAK-N** With pilot hole and without grip mounting hole

Unit : mm

Part Number With grip mounting holes	M (Coarse) Nominal of Thread	Pitch	P	Part Number Without grip mounting holes	D	H	A	s	d	C	Lc	Mass (g)
HAK-40	M6	1	14.5	HAK-40-N	40	25	12	13	22	5	15	50
HAK-50	M6	1	17	HAK-50-N	50	28	13	15	27	5	15	87
HAK-63	M6	1	23	HAK-63-N	63	32	14	18	35	5	15	161
HAK-80	M6	1	30	HAK-80-N	80	40	15	25	45	5	15	299

HAK-R With reamer bore and grip mounting hole **HAK-R-N** With reamer bore and without grip mounting hole

Unit : mm

Part Number With grip mounting holes	M (Coarse) Nominal of Thread	Pitch	P	Part Number Without grip mounting holes	D	H	A	s	d	R	Lr	f	M (Coarse) Nominal of Thread	Pitch	Mass (g)
HAK-40-R8	M6	1	14.5	HAK-40-R8-N	40	25	12	13	22	8	15	6.5	M5	0.8	45
HAK-50-R10	M6	1	17	HAK-50-R10-N	50	28	13	15	27	10	18	7.5	M5	0.8	77
HAK-63-R12	M6	1	23	HAK-63-R12-N	63	32	14	18	35	12	22	9	M5	0.8	146
HAK-80-R16	M6	1	30	HAK-80-R16-N	80	40	15	25	45	16	28	12.5	M6	1	264

*1 : Hex socket set screw is provided.

Cleanroom Wash & Packaging → P.xxxx	Vibration Resistant → P.xxxx	Laser Marking → P.xxxx	Modification of Shaft Hole Diameter → P.xxxx
Available / Add'l charge	Not Available	Available / Add'l charge	Please feel free to contact us

HAK-SG



- Mini handwheel made of aluminum alloy
- Bore type and with / without grip mounting hole and finger hole can be selected by a product code.

Product Code	3	Bore Type	Grip Mounting Hole	Finger Hole
HAK		Pilot Hole	Yes	No
HAK-N		Pilot Hole	No	No
HAK-FH		Pilot Hole	No	Yes
HAK-R		Reamer Bore	Yes	No
HAK-R-N		Reamer Bore	No	No
HAK-R-FH		Reamer Bore	No	Yes

- There are two color variations. They can be selected by the end symbol of the part number. **4**
- No end symbol — Black
- End Symbol **SG** — Silver gray
- There is no grip supplied with this product. Order a grip separately. → P.xxxx

	HAK
Main body	A5056 Anodized (Various Color)

RoHS

- Part number specification

HAK-40-N-SG (If the bore type is for pilot hole)

Product Code **1** **3** **4**

HAK-40-R 8-FH-SG (If the bore type is for reamer bore)

Product Code **1** **3** **2** **3** **4**

HAK-FH With pilot hole / finger hole

Unit : mm

Part Number With finger hole	D	H	A	s	d	C	Lc	P	C1	Mass (g)
HAK-40-FH	40	25	12	13	22	5	15	10.5	14	49
HAK-50-FH	50	28	13	15	27	5	15	15	14	86
HAK-63-FH	63	32	14	18	35	5	15	21	14	159

HAK-R-FH With reamer bore / finger hole

Unit : mm

Part Number With finger hole	D	H	A	s	d	R	Lr	M1 (Coarse) Nominal of Thread	Pitch	f	P	C1	Mass (g)
HAK-40-R8-FH	40	25	12	13	22	8	15	M5	0.8	6.5	10.5	14	44
HAK-50-R10-FH	50	28	13	15	27	10	18	M5	0.8	7.5	15	14	76
HAK-63-R12-FH	63	32	14	18	35	12	22	M5	0.8	9	21	14	144

*1 : Hex socket set screw is provided.