

Aluminum Knurled Handwheels / Stainless Steel Knurled Handwheels

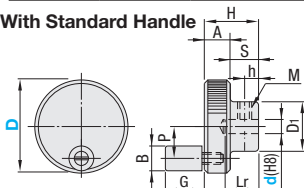
Aluminum Knurled Handwheels

RoHS

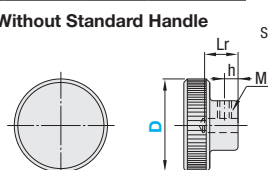


Type		Shape	Tap	Handwheel		Handle		Handle Thread	
With Handle	Without Handle			M Material	S Surface Treatment	M Material	S Surface Treatment	M Material	S Surface Treatment
HOK	HOKN	Standard	With Tap	5056 Aluminum Alloy	Black Anodize	Nylon6 (Black)		12L13 Carbon Steel	Black Oxide
HBK	HBKN		Without Tap						
HOKW	HOKNW		With Tap	304 Stainless Steel	Clear Anodize	Nylon 6 (White)		304 Stainless Steel	
HBKW	HBKNW		Without Tap						
HOKS	HOKNS	Slit	With Tap	5056 Aluminum Alloy	Black Anodize	Nylon6 (Black)		12L13 Carbon Steel	Black Oxide
HBKS	HBKNS		Without Tap						
HOKP	HOKNP		With Tap						

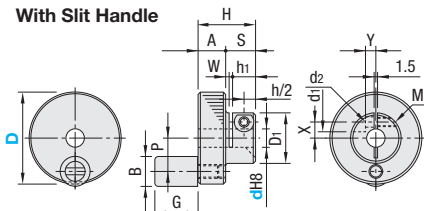
With Standard Handle



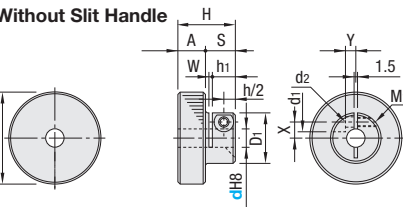
Without Standard Handle



With Slit Handle



Without Slit Handle



⚠ The drawing shows Tapped Type.
⚠ Tapped-type handles come with one set screw each.
Alum.: 4137 Alloy Steel, Black Oxide
Stainless Steel: 304 Stainless Steel

Stainless Steel Knurled Handwheels



Part Number			Standard Type (Selectable)	With Slit	H	A	S	D1	Lr	h	With Slit								P	B	G	M	Mass (g)		
Type		D									h1	W	X	Y	d1	d2	Hex Socket Head Cap Screw Reference Tightening Torque (N-m)	M1					Reference Tightening Torque (N-m)	Aluminum	Stainless Steel
With Handle	Without Handle	D	d																						
Standard HOK (Black)	HOKN (Black)	40	*6	8	8	25	12	13	22	15	6.5	10		7	4.5			M1	1.5	14.5			50	150	
HBK (Black)	HOKNW (White)	50	*8	10	10	28	13	15	27	18	7.5	11	1.5	9	5	8.5	4.5	M4	1.5	17	13	18.8	5	87	255
HOKW (White)	HBKNW (White)	63	*10	12	12	32	14	18	35	22	9	12		11	6	10	5.5	M5	3.0	23	14	20.8		161	460
HBKW (White)	HOKNS (Stainless Steel)																								
HOKS (Stainless Steel)	HBKNS (Stainless Steel)	80	*12	16	-	40	15	25	45	28	12.5	-								30	16	23.8	6	299	855
With Slit HOKP (Black)	HOKNP (Black)																								

*marked sizes are applicable to HOK and HOKN only.

⚠ Only D=40, 50 and 63 are available for With Slit.

⚠ When d dimensions are not specified, then 40-8, 50-10, 63-12 or 80-16.

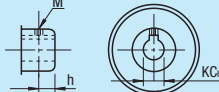
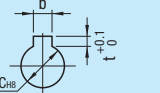
Ordering Example
Part Number - d
HOK40 - 6
HBKNW40 - 8
HOKP63 - 12

Price
Configure Online

Days to Ship
Configure Online

D	Unit Price														With Slit	
	Standard							Without Handle							With Handle	Without Handle
	HOK	HBK	HOKW	HBKW	HOKS	HOKN	HBKN	HOKNW	HBKNW	HOKNS	HBKNS				HOKP	HOKNP
40																
50																
63																
80																

Alterations
Part Number - (HC, KC, SC)
HBK50 - HC10
⚠ Shaft bore is a through-bore. ⚠ Not applicable to With Slit

Alterations	Shaft Bore Dia. Change (H8)+Tapped Hole Machining		Shaft Bore Dia. Change (H8)+Keyway+Tapped Hole Machining		Square Hole Machining																																										
																																															
Code	HC		KC		SC																																										
Spec.	Adds an H8 hole at hub center, and two tapped setscrew holes. ⚠ Comes with one set screw. HC=1mm Increment Ordering Code HC16		Adds an H8 hole, a key groove and a tapped hole at hub center. ⚠ Comes with one set screw. KC = Selectable Ordering Code KC15		Adds a square hole at hub center. ⚠ Comes with one set screw for Tapped Type. SC=1mm Increment Ordering Code SC12																																										
	<table><tr><th>D</th><th>HC(H8)</th></tr><tr><td>40</td><td>8-12</td></tr><tr><td>50</td><td>10-15</td></tr><tr><td>63</td><td>12-20</td></tr><tr><td>80</td><td>16-24</td></tr></table>		D	HC(H8)	40	8-12	50	10-15	63	12-20	80	16-24	<table><tr><th>D</th><th>KC(H8)</th><th>M</th></tr><tr><td>40</td><td>10,11</td><td rowspan="3">5</td></tr><tr><td>50</td><td>10,11,12</td></tr><tr><td>63</td><td>12,14,15</td></tr><tr><td>80</td><td>16,17</td><td rowspan="2">6</td></tr><tr><td>80</td><td>16,17,18,19,20,21</td></tr></table>		D	KC(H8)	M	40	10,11	5	50	10,11,12	63	12,14,15	80	16,17	6	80	16,17,18,19,20,21																		
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<table><tr><th>HC(H8)</th><th>M</th></tr><tr><td>8-15</td><td>M5</td></tr><tr><td>16-22</td><td>M6</td></tr><tr><td>23-24</td><td>M8</td></tr></table>		HC(H8)	M	8-15	M5	16-22	M6	23-24	M8	<table><tr><th>KC(H8)</th><th>Dimension</th><th>Tolerance</th><th>t</th></tr><tr><td>10,11,12</td><td>4</td><td rowspan="4">±0.0150</td><td>1.8</td></tr><tr><td>14,15,16,17</td><td>5</td><td>2.3</td></tr><tr><td>18,19,20,21</td><td>6</td><td>2.8</td></tr></table>		KC(H8)	Dimension	Tolerance	t	10,11,12	4	±0.0150	1.8	14,15,16,17	5	2.3	18,19,20,21	6	2.8	<table><tr><th>D</th><th>SC</th><th>SC</th><th>Tolerance</th><th>C</th></tr><tr><td>40, 50</td><td>10-12</td><td>10-14</td><td>+0.1 0</td><td>0.5</td></tr><tr><td>63</td><td>10-15</td><td>15-23</td><td>+0.15 0</td><td>1</td></tr><tr><td>80</td><td>10-23</td><td></td><td></td><td></td></tr></table>		D	SC	SC	Tolerance	C	40, 50	10-12	10-14	+0.1 0	0.5	63	10-15	15-23	+0.15 0	1	80	10-23			
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Price Adder	Aluminum																																														
	Stainless Steel																																														

Knurled Knobs / Thick Knurled Knobs

Knurled Knobs

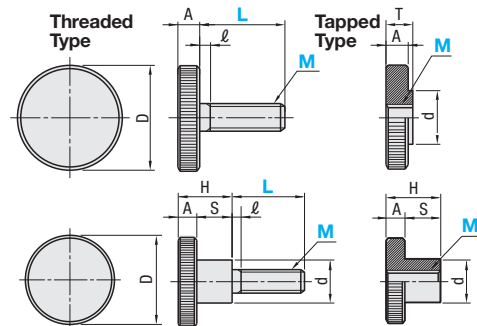
RoHS



Type		M Material	S Surface Treatment
Threaded	Tapped		
NOB	NOM	1215 Carbon Steel	Buff Polished Chrome Plating
NOOS	NOMS	303 Stainless Steel	NOOS, NOOSF: Brushed Finish NOMS: None
NOBB	NOMB	1215 Carbon Steel	Black Oxide

Stepped Type

Type		M Material	S Surface Treatment
Threaded	Tapped		
NKB	NKM	1215 Carbon Steel	Buff Polished Chrome Plating
NKOS	NKMS	303 Stainless Steel	NKOS, NKOSF: Brushed Finish NKMS: None
NKBB	NKMB	1215 Carbon Steel	Black Oxide



⚠ There may be uneven chrome coating around the threads.

Thick Knurled Knobs

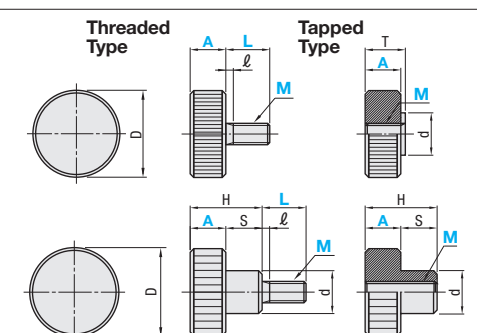
RoHS



Type		M Material	S Surface Treatment
Threaded	Tapped		
NOBA	NOMA	1212 Carbon Steel	Buff Polished Chrome Plating
NOOSA	NOMSA	303 Stainless Steel	Brushed Finish
NOBAB	NOMAB	1212 Carbon Steel	Black Oxide

Stepped Type

Type		M Material	S Surface Treatment
Threaded	Tapped		
NKBA	NKMA	1212 Carbon Steel	Buff Polished Chrome Plating
NKOSA	NKMSA	303 Stainless Steel	Brushed Finish
NKBAB	NKMAB	1212 Carbon Steel	Black Oxide



⚠ There may be uneven chrome coating around the threads.

Part Number		L (Threaded)										Unit Price							
Type	M (Coarse)	Stationary	Configurable in 1mm Increment	A	D	d	T	H	S	ℓ	NOBA NKBA	NOBAB NKBAB	NOOSA NKOSA	NOMA NKMA	NOMAB NKMA	NOMSA NKMSA	NOOSAF NKMSA		
(Threaded L Dimension Standard) NOBA NOOSA NOBAB NKBA NKOSA NKBAB	3	6 10	6~10	5	12	6	5.5	10	5	1									
				6			6.5	11											
				8			9	13											
				12			13.5	17											
	4	6 10 16	6~16	7	16	8	7.5	13	6	1.2									
				9			10.5	15											
				11			12	17											
				17			18.5	23											
	5	10 16 20	10~20	8	20	10	9	15.5	7.5	1.4									
				10			11	17.5											
				12			13	19.5											
				26			29.5	33.5											
6	10 16 20 25 30	10~30	10	24	12	11	20	10	1.5										
			13			14	23												
			15			16	25												
			25			26.5	35												
8	16 20 25 30	16~30	12	30	16	14	24	12	2										
			15			17	27												
			30			31.5	42												
			16			18	31												
10	20 25 30 40	20~40	20	36	20	22	35	15	2.5										
			40			41.5	55												

Ordering Example
Part Number - L - A
NOB3 - 10 - 7
NOBA4 - 6 - 7

Days to Ship
Configure Online

Price
Configure Online

Alterations
Part Number - (MC)
NKMS6 - MC
⚠ Shaft bore is a through-bore. ⚠ Not applicable to With Slit

Alteration	Code	Spec.	Price Adder
	MC	Adds a tap for a set screw on tapped-type NKMS (Stainless Steel Type). M MC 6 M5 8 M4 10 M3	⚠ Applicable to M≥6