

Aluminum Knurled Handwheels

Type	With Handle	Without Handle	Shape	Tap	Handwheel	Handle	Handle Thread		
					Material	Material	Surface Treatment		
Standard	HOK	HOKN	Standard	With Tap	A5056	Black Anodize	Nylon6 (Black)	SUM22L	Black Oxide
	HBK	HBKN		Without Tap		Clear Anodize	Nylon 6 (White)		
	HOKW	HOKNW		With Tap					
	HBKW	HBKNW		Without Tap					
	HOKS	HOKNS		With Tap					
Slit	HOKP	HOKNP	Slit	With Tap	A5056	Black Anodize	Nylon6 (Black)	SUM22L	Black Oxide

⚠ The drawing shows Tapped Type.
⚠ Tapped-type handles come with one set screw each.
⚠ Alum.: SCM435, Black Oxide, Stainless Steel: SUS304

With Standard Handle

Without Standard Handle

With Slit Handle

Without Slit Handle

Stainless Steel Knurled Handwheels

RoHS10

Part Number	Type	Standard Type (Selectable)	Slit Type	D	H	A	S	D1	Lr	h	Slit Type										Mass (g)			
											h1	W	X	Y	d1	d2	M1	Reference Tightening Torque (N·m)	P	B	G	M	Aluminum	Stainless Steel
HOK	HBK	HOKN	HBKN	40	25	12	13	22	15	6.5	10	7	4.5	8.5	4.5	M4	1.5	14.5	13	18.8	5	50	150	
HOKW	HBKW	HOKNW	HBKNW	50	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
HOKS	HBKS	HOKNS	HBKNS	63	32	14	18	35	22	9	12	11	6	10	5.5	M5	3.0	23	14	20.8	6	161	460	
HOKP	HBKP	HOKNP	HBKNP	80	40	15	25	45	28	12.5	-	-	-	-	-	-	-	30	16	23.8	6	299	855	

⚠ marked sizes are applicable to HOK and HOKN only. ⚠ Only D=40, 50 and 63 are available for Slit Type. ⚠ If d dimensions are not specified, any of the following combinations of D and d is applied by default: 40-8, 50-10, 63-12 or 80-16.

Ordering Example

Part Number - d

HOK40 - 6

HBKNW40 - 8

HOKP63 - 12

D	Unit Price												
	With Handle				Standard				Without Handle				Slit Type
	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 Slit Type

Alterations	Shaft Bore Dia. Change (H8) + Tapped Hole Machining	Shaft Bore Dia. Change (H8) + Keyway + Tapped Hole Machining	Square Bore Machining																																																
Code	HC	KC	SC																																																
Spec.	<p>Adds an H8 hole at hub center, and two tapped setscrew holes.</p> <p>⚠ Comes with one set screw.</p> <p>HC=1mm Increment</p> <p>Ordering Code HC16</p> <table border="1"> <thead> <tr> <th>D</th> <th>HC(H8)</th> </tr> </thead> <tbody> <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> </tbody> </table>	D	HC(H8)	40	8-12	50	10-15	63	12-20	80	16-24	<p>Adds an H8 hole, a key groove and a tapped hole at hub center.</p> <p>⚠ Comes with one set screw.</p> <p>KC = Selectable</p> <p>Ordering Code KC15</p> <table border="1"> <thead> <tr> <th>D</th> <th>KC(H8)</th> <th>M</th> </tr> </thead> <tbody> <tr><td>40</td><td>10,11</td><td></td></tr> <tr><td>50</td><td>10,11,12</td><td>5</td></tr> <tr><td>63</td><td>12,14,15</td><td></td></tr> <tr><td>80</td><td>16,17</td><td></td></tr> <tr><td>80</td><td>16,17,18,19,20,21</td><td>6</td></tr> </tbody> </table>	D	KC(H8)	M	40	10,11		50	10,11,12	5	63	12,14,15		80	16,17		80	16,17,18,19,20,21	6	<p>Adds a square bore at hub center.</p> <p>⚠ Comes with one set screw for Tapped Type.</p> <p>SC=1mm Increment</p> <p>Ordering Code SC12</p> <table border="1"> <thead> <tr> <th>D</th> <th>SC</th> <th>SC</th> <th>Tolerance</th> <th>C</th> </tr> </thead> <tbody> <tr><td>40, 50</td><td>10-12</td><td>10-14</td><td>+0.1</td><td>0.5</td></tr> <tr><td>63</td><td>10-15</td><td></td><td>0</td><td></td></tr> <tr><td>80</td><td>10-23</td><td>15-23</td><td>+0.15</td><td>1</td></tr> </tbody> </table>	D	SC	SC	Tolerance	C	40, 50	10-12	10-14	+0.1	0.5	63	10-15		0		80	10-23	15-23	+0.15	1
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Knurled Knobs

Type	Threaded	Tapped	Material	Surface Treatment
	L Dimension Standard	L Dimension Configurable		
NOB	-	NOM	SUM23	Buff Polished, Chrome Plating
NOOS	NOOSF	NOMS	SUS303	NOOS, NOOSF: Brushed Finish NOMS: None
NOBB	-	NOMB	SUM23	Black Oxide

Stepped Type

Type	Threaded	Tapped	Material	Surface Treatment
	L Dimension Standard	L Dimension Configurable		
NKB	-	NKM	SUM23	Buff Polished, Chrome Plating
NKOS	NKOSF	NKMS	SUS303	NKOS, NKOSF: Brushed Finish NKMS: None
NKBB	-	NKMB	SUM23	Black Oxide

RoHS10

⚠ There may be uneven chrome plating around the threads.

Part Number	Type	L (Threaded)										Unit Price												
		M (Coarse)	Stationary	Configurable in 1mm Increment	D	d	A	T	H	S	ℓ	NOB	NKB	NOBB	NOOS	NOM	NKM	NOBMB	NOMS	NKMS	NOOSF	NKOSF		
(Threaded L Dimension Standard) (Threaded L Dimension Configurable)		3	6	10	16		6-16	12	6	2.5	3	7.5	5	1										
NOB	NOM	4	6	10	16	20	6-20	16	8	3.5	4	9.5	6	1.2										
NOOS	NOMS	5	10	16	20	25	10-25	20	10	4	5	11.5	7.5	1.4										
NOBB	NOMB	6	10	16	20	25	10-30	24	12	5	6	15	10	1.5										
(Stepped Type)		8	16	20	25	30	16-30	30	16	6	8	18	12	2										
NKB	NKM	10	20	25	30	40	20-40	36	20	8	10	23	15	2.5										

Thick Knurled Knobs

Type	Threaded	Tapped	Material	Surface Treatment
	L Dimension Standard	L Dimension Configurable		
NOBA	-	NOMA	SUM24L	Buff Polished, Chrome Plating
NOOSA	NOOSAF	NOMSA	SUS303	Brushed Finish
NOBAB	-	NOMAB	SUM24L	Black Oxide

Stepped Type

Type	Threaded	Tapped	Material	Surface Treatment
	L Dimension Standard	L Dimension Configurable		
NKBA	-	NKMA	SUM24L	Buff Polished, Chrome Plating
NKOSA	NKOSAF	NKMSA	SUS303	Brushed Finish
NKBAB	-	NKMAB	SUM24L	Black Oxide

RoHS10

⚠ There may be uneven chrome plating around the threads.

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

Ordering Example

Part Number - L - A

NOB3 - 10 - 7

NOBA4 - 6 - 7

Alterations

Part Number - (MC)

NKMS6 - MC

Alteration	Code	Spec.								
	MC	<p>Adds a tap for a set screw on Tapped Type NKMS (Stainless Steel Type).</p> <table border="1"> <thead> <tr> <th>M</th> <th>MC</th> </tr> </thead> <tbody> <tr><td>6</td><td>M3</td></tr> <tr><td>8</td><td>M4</td></tr> <tr><td>10</td><td>M5</td></tr> </tbody> </table> <p>⚠ Applicable to M≥6</p>	M	MC	6	M3	8	M4	10	M5
M	MC									
6	M3									
8	M4									
10	M5									