

Five Spoked Handwheels

Two Spoked Handwheels

I.D. Shaft Bore Shape	Type			Handwheel				Handle		Handle Thread		Included Screw	
	Stationary Handles	Revolving Handles	Without Handle	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
	No Hole	AHLN	AHLNK	AHLN-R	FC200	Chrome Plating	SS400	Chrome Plating					
H8 Hole + Tapped	AHLNA	AHLNAK	-	AC4B	Shot Blasted	A2024	Shot Blasted						
H8 Hole + Keyway + Tapped	AHLNKC	AHLNKCK	-	FC200	Chrome Plating	SS400	Chrome Plating	SS400	Chrome Plating				
Square Bore	AHLNW	AHLNKW	-									Structural Alloy Steel	Trivalent Chromate
Slit	AHLNF	-	-	AC4B	Shot Blasted	A2024	Shot Blasted						
				FCD500	Chrome Plating	SS400	Chrome Plating						

H8 Hole + Tapped

H8 Hole + Keyway + Tapped

Square Bore

Slit

*For detailed keyway dimensions, please see the following alterations.

Part Number	Type	D	H	A	D1	L	M		B	G	P	H8 Hole + Tapped		H8 Hole + Keyway + Tapped				Square Bore Selection	Slit						Hex Socket Head Cap Screw		Reference Mass (g)							
							Steel	Aluminum				Stationary	Revolving	d	M (Coarse)	d1	b		t	W	d2	S1	X	Y	R (Radius)	d3	M1	AHLND Reference Tightening Torque (N · m)	AHLNF Reference Tightening Torque (N · m)	Steel	Aluminum	With Handle	Without Handle	
No Hole	No Hole, Without Handle	80	36	14	24	24			13	38.5	49	28	10											10	12	9	8	8.5	4.5	4	3	3	380	160
AHLN	AHLN-R	100	39	16	30		5	13	48.5	55	37	5											10	12	10				5	5	600	250		
AHLNA	AHLNM	125	40	17	33		8	16	62.5	70.7	46.5	12											12	15	13	8			6	6	900	345		
AHLNK	AHLNKM																																	
H8 Hole + Keyway + Tapped	AHLNKC	140	44	18	35	30		20	77.5	87.3	53.5	15		15	5	2.3							14	16	15	10.5			10			1100	425	
AHLNKC	AHLNKCK	160	46	18.5	37	32		25	87.3		62.5	16		16	5	2.3							14	16	16	11			11			1400	560	
Slit	Square Bore	200	59.5	24	43	41		25	87.3		81	16	6	16	5	2.3							17	20	14	16.5	11					2800	1140	
AHLNF	AHLNW	250	65.5	27	48	44					100	20		20	5	2.3							20	20	-	-	-	-	-	-	-	4900	-	

* marked items are applicable to Slit Type AHLNF only.
 For "H8 Hole + Keyway + Tapped" Type, the size of d1 dim. 20 is not JIS Standard-compliant. If any JIS Standard-compliant size is preferred, specify "No Hole Type + Alteration KC18".

Ordering Example Part Number AHLN160 AHLNF80 - 10

D	Unit Price												No Hole, Without Handle	
	No Hole			H8 Hole + Tapped				H8 Hole + Keyway + Tapped				Square Bore		Slit
	AHLN	AHLNK	AHLNA	AHLNAK	AHLNM	AHLNKM	AHLNKC	AHLNKCK	AHLNW	AHLNKW	AHLNF	AHLNF	AHLN-R	
80														
100														
125														
140														
160														
200														
250														

Alteration	Part Number - (HC, KC, SC)		
	AHLNKC200	SC20	
Alterations	H8 Hole (Dimension Configurable) + Tapped Hole Machining	H8 Hole (Dimension Configurable) + Keyway + Tapped Hole Machining	Square Broaching (Dimensions Configurable)
Code	HC	KC	SC
Spec.	Adds an H8 hole at hub center, and two tapped setscrew holes. HC=1mm Increment [Ordering Code] HC16	Adds an H8 hole at hub center, a key groove and its tapped hole. KC = Selectable [Ordering Code] KC15	Adds a square bore at hub center. SC=1mm Increment [Ordering Code] SC12

Type	Handwheel			Handle		Handle Thread	
	Without Handle	Stationary Handles	Revolving Handles	Material	Surface Treatment	Material	Surface Treatment
SHLNN			SHLN	SCS22 (SUS316 Equivalent)	Shot Blasted	SUS304	Electrolytic Polishing
	AHTN		AHTNK	FC200	Chrome Plating	SS400	Chrome Plating
			AHTNAK	AC4B	Shot Blasted + Buffing	A2024	Shot Blasted
	AHTNA					SS400	Chrome Plating

Stainless Steel Type

Steel, Aluminum

(Casting Surface)

RoHS 10 *Stainless Steel Handles are GRMS on P.1150, Steel Handles are GRMK on P.1150, and Aluminum Handles are GRMAK on P.1150.

Part Number	Type	D	H	A	S	d	L	M	B	G	P	Reference Mass (g)	
												With Handle	Without Handle
Without Handle		80	22	6.5	7	20	11.7	5	10	45	35.6	425	400
SHLNN		100	27	7.5	8.7	25	14.6	6	13	57	43.5	605	550
		125	32	8	10.9	31	18.3				54.7	755	700
Revolving Handles		140	36	9	12.2	35	20.5	8	16	68	62.5	935	880
SHLN		160	40	9	14	40	23.4				71.5	1300	1200
		200	50	11.3	17.4	50	32	10	20	80	90	2180	2000

Part Number	Type	D	H	A	S	d	L	M		B	G		P	Reference Mass (g)	
								Steel	Aluminum		Stationary	Revolving		Steel	Aluminum
Steel Stationary Handles	AHTN	80	36	14		24	24	5		13	38.5	49	28	370	138
	AHTN	100	39	15	15	30							37	575	215
Steel Revolving Handles	AHTNK	125	40	16		33	28	6	8	16	48.5	55	46.5	895	310
Aluminum Stationary Handles	AHTNA	140	44	17	16	35	30			20	62.5	70.7	52.5	1095	380
	AHTNA	160	46	18		37	32	8					62.5	1460	485
Aluminum Revolving Handles	AHTNAK	200	59.5	24	19	43	41	10	10	25	77.5	87.3	81	2890	890

Ordering Example Part Number AHTN80 SHLN100 AHTNAK200

D	Unit Price					
	SHLN	SHLNN	AHTN	AHTNK	AHTNA	AHTNAK
80						
100						
125						
140						
160						
200						

Alterations Part Number - (HC, KC, SC)
 AHTN80 - HC10
 SHLN100 - KC11
 AHTNAK200 - SC20

Alterations	H8 Hole + Tapped Hole Machining	H8 Hole + Keyway + Tapped Hole Machining	Square Bore Machining																																																																																																												
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