

Cantilever Shafts

Screw Mount with Threaded End

Standard

Type	Material	Surface Treatment
FXHC	S45C Equivalent	Black Oxide
PFXHC	S45C Equivalent	Electroless Nickel Plating
SFXHC	SUS304	-

Dimensions of Wrench Flats when $Y \geq 17$

When $D=MA$

⚠ This type may have centering holes depending on dimensions.
 ⚠ Please refer to Table 1 to specify dimensions Y and F.
 ⚠ Refer to the table on the next page for thread undercut dimensions.

RoHS 10

Part Number Type	No.	D _{g6}	1mm Increment		MA (Coarse) Selection	M (Coarse)	H	W	Unit Price		
			Y	F					FXHC	PFXHC	SFXHC
FXHC PFXHC SFXHC	6	6	-0.004	5-100	4 5 6	M 3	10	8			
	6A	6	-0.012		5 6 8	M 4	12	10			
	8	8	-0.005		6 8 10	M 6	15	13			
	8A	8	-0.014		6 8 10 12	M 8	17	14			
	10	10	-0.017		8 10 12 (15)	M 10	18	15			
	10A	10	-0.017		10 12 (15) 16	M 12	20	17			
	12	12	-0.006	10-150	6 8 10 12	M 8	17	14			
	12	12	-0.017		8 10 12 (15)	M 10	18	15			
	13	13	-0.006		10 12 (15) 16	M 12	20	17			
	13	13	-0.017		12 15 16	M 16	21	18			
	15	15	-0.006		10 12 (15) 16 20	M 8	23	20			
	16	16	-0.017		10 12 (15) 16 20 (25)	M 12	26	24			
	17	17	-0.007		10 12 (15) 16 20 24 (25)	M 16	28	26			
	17	17	-0.020		12 (15) 16 20 24 (25) 30	M 12	31	27			
	18	18	-0.007			M 16	36	32			
	20	20	-0.020			M 20					
	20A	20	-0.020			M 16					
	22	22	-0.007								
22A	22	-0.020									
25	25	-0.007									
25A	25	-0.020									
30	30	-0.007									
30A	30	-0.020									

⚠ MA dimensions with () (M15 and M25) are Fine Thread. Specify MSC instead of MA.

Stepped

Type	Material	Surface Treatment
FXJC	S45C Equivalent	Black Oxide
PFXJC	S45C Equivalent	Electroless Nickel Plating
SFXJC	SUS304	-

Dimensions of Wrench Flats when $W < V, Y \geq 17$

When $D=MA$

⚠ This type may have centering holes depending on dimensions.
 ⚠ Please refer to Table 1 to specify dimensions Y and F.
 ⚠ Refer to the table on the next page for thread undercut dimensions.

RoHS 10

Part Number Type	No.	D _{g6}	1mm Increment		MA (Coarse) Selection	M (Coarse)	V	H	W	Unit Price		
			Y	F						FXJC	PFXJC	SFXJC
FXJC PFXJC SFXJC	6	6	-0.004	5-75	4 5 6	M 3	8	10	8			
	6A	6	-0.012		5 6 8	M 4	12	14	12			
	8	8	-0.005		6 8 10	M 6	14	16	14			
	8A	8	-0.014		6 8 10 12	M 8	13	15	13			
	10	10	-0.017		8 10 12 (15)	M 10	18	20	17			
	10A	10	-0.017		10 12 (15) 16	M 12	15	17	14			
	12	12	-0.006	7-60	6 8 10 12	M 8	16	18	15			
	12	12	-0.017		8 10 12 (15)	M 10	18	20	17			
	13	13	-0.006		10 12 (15) 16	M 12	19	21	18			
	13	13	-0.017		10 12 (15) 16 20	M 16	20	23	20			
	15	15	-0.006		10 12 (15) 16 20 (25)	M 8	24	26	24			
	16	16	-0.017		10 12 (15) 16 20 24 (25)	M 12	26	28	26			
	17	17	-0.007		10 12 (15) 16 20 24 (25) 30	M 8	29	31	27			
	17	17	-0.020		12 (15) 16 20 24 (25) 30	M 16	34	36	32			
	18	18	-0.007			M 12						
	20	20	-0.020			M 16						
	20A	20	-0.020									
	22	22	-0.007									
22A	22	-0.020										
25	25	-0.007										
25A	25	-0.020										
30	30	-0.007										
30A	30	-0.020										

⚠ MA dimensions with () (M15 and M25) are Fine Thread. Specify MSC instead of MA.

⚠ When $W < V$, wrench flats W reaches O.D.V.

Hex

Type	Material	Surface Treatment
LXHC	S45C	Black Oxide
PLXHC	Equivalent	Electroless Nickel Plating
SLXHC	SUS304	-

Dimensions of Wrench Flats when $Y \geq 17$

When $D=MA$

⚠ This type may have centering holes depending on dimensions.
 ⚠ Please refer to Table 1 to specify dimensions Y and F.
 ⚠ Refer to the table below for thread undercut dimensions.

RoHS 10

Part Number Type	No.	D _{g6}	1mm Increment		MA (Coarse) Selection	M (Coarse)	B	(C)	Unit Price		
			Y	F					LXHC	PLXHC	SLXHC
LXHC PLXHC SLXHC	6	6	-0.004	5-100	4 5 6	M 3	8	9.2			
	6A	6	-0.012		5 6 8	M 4	10	11.5			
	8	8	-0.005		6 8 10	M 6	13	15			
	8A	8	-0.014		6 8 10 12	M 8	14	16.2			
	10	10	-0.006		8 10 12 (15)	M 10	17	19.6			
	10A	10	-0.017		10 12 (15) 16	M 12	19	21.9			
	12	12	-0.006	10-100	6 8 10 12	M 8	17	19.6			
	12	12	-0.017		8 10 12 (15) 16	M 10	19	21.9			
	13	13	-0.006		10 12 (15) 16 20	M 12	24	27.7			
	13	13	-0.017		10 12 (15) 16 20 (25)	M 16	27	31.2			
	15	15	-0.006		12 (15) 16 20 24 (25) 30	M 12	32	36.9			
	16	16	-0.017			M 16					
	17	17	-0.006			M 12					
	17	17	-0.017			M 16					
	18	18	-0.006								
	18	18	-0.017								
	20	20	-0.006								
	20	20	-0.017								
22	22	-0.006									
22	22	-0.017									
25	25	-0.007									
25A	25	-0.020									
30	30	-0.007									
30A	30	-0.020									

⚠ MA dimensions with () (M15 and M25) are Fine Thread. Specify MSC instead of MA.

Ordering Example

Part Number - Y - F - MA

FXHC12 - 5 - F15 - MA8

LXHC10 - 20 - F35 - MA6

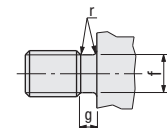
Alterations

Part Number - Y - F - MA(MSC) - (YKC, WSC, APC)

FXHC15 - 20 - F22 - MSC15 - APC

Alterations	Y Dimension Tolerance	Four Wrench Flats	Adds a Pilot	Fine Thread
		YKC	WSC	APC
Spec.	Changes Y dimension tolerance to ± 0.05 . ⚠ Applicable to all types. Ordering Code: YKC	Changes from two wrench flats to four wrench flats. ⚠ Applicable to Standard and Stepped Types. Ordering Code: WSC	Adds a pilot to the shaft seat. ⚠ Applicable to all types. Ordering Code: APC	Changes Thread MA to Fine Thread in the table below. ⚠ Applicable to all types. ⚠ Specify MSC instead of MA. Ordering Code: MSC12

⚠ Thread Undercut Dimensions



Thread Dia. (MA)	Coarse Thread			Fine Thread			
	g	r	f	Thread Dia. (MSC)	g	r	f
4	1.2-1.5	0.2-0.3	2.9-3.2	4	1.2-1.5	0.2-0.3	2.9-3.2
5			3.9-4.1	5			3.9-4.1
6			4.3-4.9	6			4.3-4.9
8	1.5-2.5	0.2-0.6	6.3-6.6	8	1.5-2.5	0.2-0.6	6.3-6.6
10			8.1-8.3	10			8.3-8.6
12			9.8-10.1	12			9.8-10.7
16	1.5-3.0	0.2-1.0	13.6-13.8	15	1.5-3.0	0.2-1.0	13.6-13.8
20	1.5-4.0		17.0-17.2	20	1.5-4.0		17.2-18.8
24			20.2-20.7	25			20.2-23.2
30	2.5-5.0	0.2-1.5	26.0-26.2	30	2.5-5.0	0.2-1.5	26.2-28.2