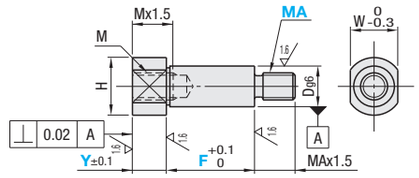
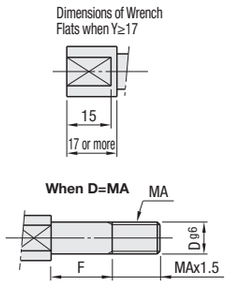
Cantilever Shafts

Screw Mount with Threaded End

■Standard

Type	Material	Surface Treatment
FXHC	EN 1.1191 Equiv.	Black Oxide
PFXHC		Electroless Nickel Plating
SFXHC	EN 1.4301 Equiv.	-





- 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.	Dg6		1mm Increment Y	F	MA (Coarse) Selection	M (Coarse)	H	W	Unit Price FXHC	PFXHC	SFXHC
FXHC PFXHC SFXHC	6	6	-0.004 -0.012	2~60	5~100	4 5 6	M 3	10	8			
	6A							14	12		-	
	8	8	-0.005 -0.014			5 6 8	M 4	12	10			
	8A							16	14		-	
	10	10				6 8 10	M 6	15	13			
	10A							20	17		-	
	12	12	-0.006 -0.017		10~150	6 8 10 12	M 8	17	14			
	13	13						18	15			
	15	15				8 10 12 (15)	M10	20	17			
	16	16						21	18			
	17	17				10 12 (15) 16		23	20			
	18	18										
	20	20	-0.007 -0.020			10 12 (15) 16 20	M12	26	24			
	20A						M 8				-	
	22	22					M16	28	26			
	22A						M12				-	
	25	25		4~75		10 12 (15) 16 20 24 (25)	M16	31	27			
	25A						M12					
	30	30				12 (15) 16 20 24 (25) 30	M20	36	32			
	30A						M16					

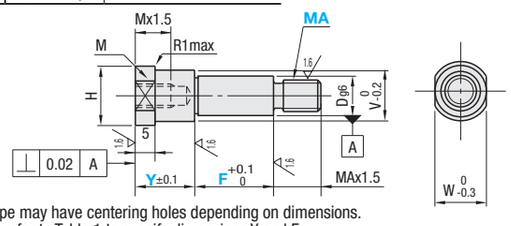
Table 1

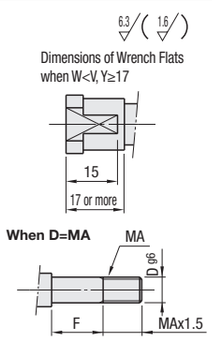
M	Y+F
M3	Y+F≥10
M4	Y+F≥12
M6	Y+F≥15.5
M8	Y+F≥19.5
M10	Y+F≥23.5
M12	Y+F≥29.5
M16	Y+F≥37
M20	Y+F≥45

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

■Stepped

Type	Material	Surface Treatment
FXJC	EN 1.1191 Equiv.	Black Oxide
PFXJC		Electroless Nickel Plating
SFXJC	EN 1.4301 Equiv.	-





- 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.	Dg6		1mm Increment Y	F	MA (Coarse) Selection	M (Coarse)	V	H	W	Unit Price FXJC	PFXJC	SFXJC
FXJC PFXJC SFXJC	6	6	-0.004 -0.012	7~60	5~75	4 5 6	M 3	8	10	8			
	6A							12	14	12		-	-
	8	8	-0.005 -0.014			5 6 8	M 4	10	12	10			
	8A							14	16	14		-	-
	10	10				6 8 10	M 6	13	15	13			
	10A							18	20	17		-	-
	12	12	-0.006 -0.017		10~75	6 8 10 12	M 8	15	17	14			
	13	13						16	18	15			
	15	15				8 10 12 (15)	M10	18	20	17			
	16	16						19	21	18			
	17	17				10 12 (15) 16		20	23	20			
	18	18						21					
	20	20	-0.007 -0.020			10 12 (15) 16 20	M12	24	26	24			
	20A						M 8					-	-
	22	22					M12	26	28	26			
	22A						M 8					-	-
	25	25				10 12 (15) 16 20 24 (25)	M16	29	31	27			
	25A						M12						
	30	30				12 (15) 16 20 24 (25) 30	M20	34	36	32			
	30A						M16						

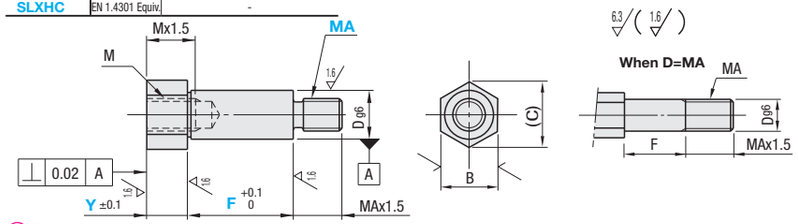
Table 1

M	Y+F
M3	Y+F≥10
M4	Y+F≥12
M6	Y+F≥15.5
M8	Y+F≥19.5
M10	Y+F≥23.5
M12	Y+F≥29.5
M16	Y+F≥37
M20	Y+F≥45

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	EN 1.1191 Equiv.	Black Oxide
PLXHC		Electroless Nickel Plating
SLXHC	EN 1.4301 Equiv.	-



- 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.	Dg6		1mm Increment Y	F	MA (Coarse) Selection	M (Coarse)	B	(C)	Unit Price LXHC	PLXHC	SLXHC
LXHC PLXHC SLXHC	6	6	-0.004 -0.012	2~60	5~100	4 5 6	M 3	8	9.2			
	8	8	-0.005 -0.014			5 6 8	M 4	10	11.5			
	10	10				6 8 10	M 6	13	15			
	12	12	-0.006 -0.017		10~100	6 8 10 12	M 8	14	16.2			
	13	13						17	19.6			
	15	15				8 10 12 (15)	M10					
	16	16						19	21.9			
	17	17				10 12 (15) 16						
	18	18										
	20	20	-0.007 -0.020	4~60		10 12 (15) 16 20	M12	24	27.7			
	22	22										
	25	25				10 12 (15) 16 20 24 (25)	M16	27	31.2			
	25A						M12					
	30	30				12 (15) 16 20 24 (25) 30	M20	32	36.9			
	30A						M16					

Table 1

M	Y+F
M3	Y+F≥10
M4	Y+F≥12
M6	Y+F≥15.5
M8	Y+F≥19.5
M10	Y+F≥23.5
M12	Y+F≥29.5
M16	Y+F≥37
M20	Y+F≥45

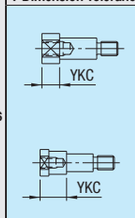
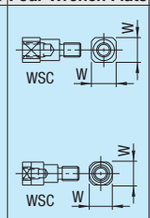
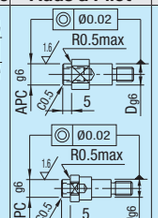
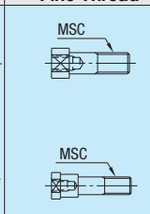
MA dimensions with ( ) (M15 and M25) are Fine Thread. Specify MSC instead of MA.

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

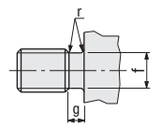
Alterations	Y Dimension Tolerance	Four Wrench Flats	Adds a Pilot	Fine Thread
				
Code	YKC	WSC	APC	MSC
Spec.	Changes Y dimension tolerance to ±0.05. Applicable to all types. Ordering Code YKC	Changes from two wrench flats to four wrench flats. Applicable to Standard and Stepped Types. Ordering Code WSC	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

D	M	APC g6
6	M3	6
8	M4	8
10	M6	10
12	M8	12
13		13
15	M10	15
16		16
17		17
18		18
20	M12	20
22		22
25	M16	25
25A	M12	
30	M20	30
30A	M16	

MSC	Pitch
M4	0.5
M5	
M6	0.75
M8	1.0
M10	

MSC	Pitch
M12	1.0
M15	
M20	
M25	1.5
M30	

Thread Undercut Dimensions



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