


# Cantilever Shafts

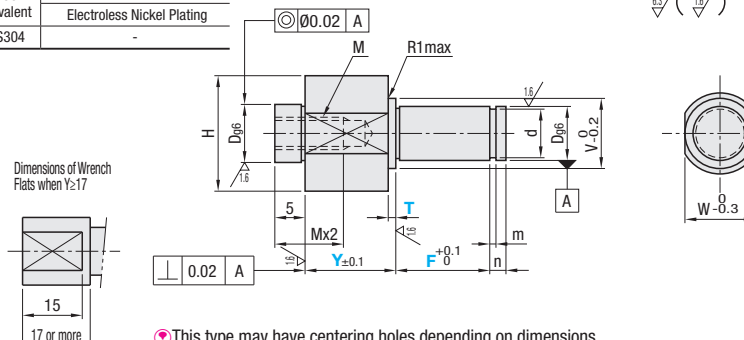
## Heavy Load

■ **Features:** This is the highly stable type with a tapped hole mounting on a large base.



RoHS 10

Type	Material	Surface Treatment
FXMA	S45C	Black Oxide
PFXMA	Equivalent	Electroless Nickel Plating
SFXMA	SUS304	-



Dimensions of Wrench Flats when Y≥17

⚠ This type may have centering holes depending on dimensions.


Part Number	Type	No.	Dg6	1mm Increment		Selection	M Coarse	V	H	W	d		m	n	Unit Price															
				Y	F						Ref. Dim.	Tolerance			FXMA	PFXMA	SFXMA													
FXMA PFXMA SFXMA	6	6	-0.004 -0.012	4~60	5~75	13 5	M3	8	14	12	5	+0.075	0.7	2																
																		8	8	-0.005 -0.014	10~100	2 5 8	M4	10	17	14	7	+0.090	0.9	3
	10	10	-0.006 -0.017																											
																		12	12	-0.007 -0.020	M8	15	24	21	11.5	0	-0.110	1.35	5	
	15	15	-0.006 -0.017	M8	18	28	25	14.3	0	-0.120	1.65	5																		
																	17	17	-0.007 -0.020	M8	20	32	28	16.2	0	-0.120	1.65	5		
	20	20	-0.007 -0.020	M8	24	36	32	19	0	-0.120	1.65	5																		
																	25	25	-0.007 -0.020	M8	29	43	38	23.9	0	-0.120	1.65	5		
	30	30	-0.007 -0.020	M8	34	50	44	28.6	0	-0.120	1.65	5																		

⚠ When the pilot hole depth is  $\geq Y+F+5$ , the pilot for M goes through. Also, when  $Mx2 \geq Y+F+5$ , M goes through.

Ordering Example

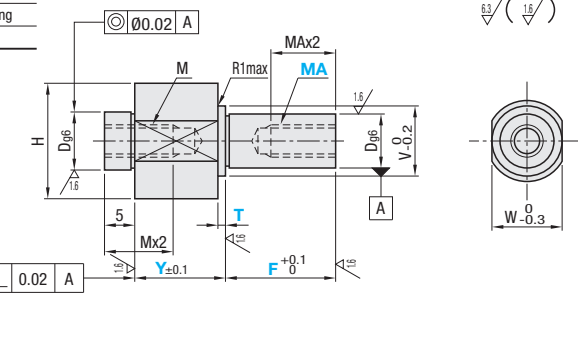
Part Number: **FXMA20** - **20** - **F70** - **T5**

Part Number: **SFXMA12** - **10** - **F100** - **T2**



RoHS 10

Type	Material	Surface Treatment
FXMB	S45C	Black Oxide
PFXMB	Equivalent	Electroless Nickel Plating
SFXMB	SUS304	-



Dimensions of Wrench Flats when Y≥17

⚠ This type may have centering holes depending on dimensions.

Part Number	Type	No.	Dg6	1mm Increment		Selection	M Coarse	V	H	W	d		m	n	Unit Price			Tap Size	Effective Length	Pilot Hole Depth																
				Y	F						Ref. Dim.	Tolerance			FXMB	PFXMB	SFXMB																			
FXMB PFXMB SFXMB	6	6	-0.004 -0.012	4~60	5~75	13 5	M3	8	14	12	5	+0.075	0.7	2				M3	6	11																
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	15	15	-0.006 -0.017	M8	18	28	25	14.3	0	-0.110	1.35	5				M10	20	29																		
																			17	17	-0.006 -0.017	M8	20	32	28	16.2	0	-0.110	1.35	5				M12	24	34
	20	20	-0.006 -0.017	M8	24	36	32	19	0	-0.110	1.35	5				M16	32	44																		
																			25	25	-0.007 -0.020	M8	29	43	38	23.9	0	-0.120	1.65	5						
	30	30	-0.007 -0.020	M8	34	50	44	28.6	0	-0.120	1.65	5																								

Please select Y, F and T so that M and MA don't interfere with each other.

Ordering Example

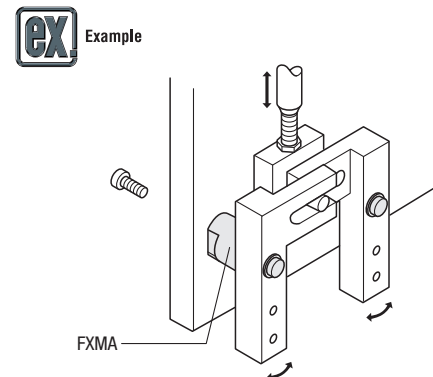
Part Number: **FXMB20** - **20** - **F70** - **T5** - **MA6**

Part Number: **SFXMB12** - **10** - **F100** - **T2** - **MA6**

Alterations Example

Part Number: **PFXMA15** - **20** - **F60** - **T8** - **SET** - **SC**

Alterations	Retaining Ring Set	Wrench Flats										
Code	SET	SC										
Spec.	Retaining Ring applicable to each shaft diameter is included. Ordering Code  SET Retaining Ring Shape No.=6, 8: E Type Retaining Ring No.10 ~ 30: C Type Retaining Ring Retaining Ring Material	An alteration of wrench flats can be made for a slot hole guide. Ordering Code  SC ⚠ D (wrench flats) tolerance is +0.2/0. ⚠ Y-T≥6										
	<table border="1"> <thead> <tr> <th>Cantilever Shafts</th> <th>Retaining Ring</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>Material</td> </tr> <tr> <td>S45C</td> <td>Black Oxide</td> </tr> <tr> <td>SUS304</td> <td>Electroless Nickel Plating</td> </tr> <tr> <td></td> <td>SUS304-CSP</td> </tr> </tbody> </table>	Cantilever Shafts	Retaining Ring	Material	Material	S45C	Black Oxide	SUS304	Electroless Nickel Plating		SUS304-CSP	
Cantilever Shafts	Retaining Ring											
Material	Material											
S45C	Black Oxide											
SUS304	Electroless Nickel Plating											
	SUS304-CSP											



Alterations Example

Part Number: **PFXMB15** - **20** - **F60** - **T8** - **MA10** - **SC**

Alterations	Wrench Flats
Code	SC
Spec.	An alteration of wrench flats can be made for a slot hole guide. Ordering Code  SC ⚠ D (wrench flats) tolerance is +0.2/0. ⚠ Y-T≥6

