

Cantilever Shafts

Heavy Load

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

Type	Material	Surface Treatment
FXMA	EN 1.1191	Black Oxide
PFXMA	EN 1.1191 Equiv.	Electroless Nickel Plating
SFXMA	EN 1.4301 Equiv.	-

RoHS 10

⚠ 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	4~60	6	6	-0.004 -0.012	5~75	1 3 5	M3	8	14	12	5	+0.075	0.7	3				
		8	8	-0.005 -0.014			M4	10	17	14	7	+0.090	0.9					
		10	10				M6	13	21	18	9.6	0 -0.090	1.15		4			
		12	12					15	24	21	11.5	0						
		15	15	-0.006 -0.017				18	28	25	14.3	0 -0.110						
	10~100	17	17		M8	20	32	28	16.2	0	1.35	5						
		20	20			24	36	32	19	0								
		25	25	-0.007 -0.020		29	43	38	23.9	0								
		30	30			34	50	44	28.6	0 -0.120								
													1.65					

⚠ 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 - Y - F - T

FXMA20 - 20 - F70 - T5

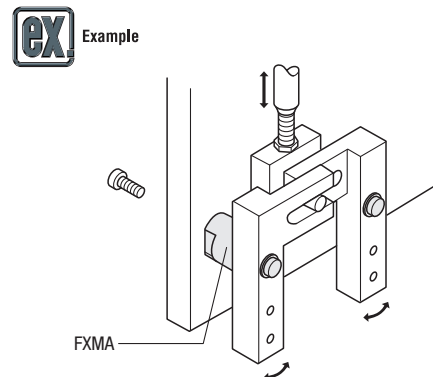
SFXMA12 - 10 - F100 - T2

Alterations

Part Number - Y - F - T - (SET · SC)

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 ⚠ For D (Wrench Flats), the tolerance is always positive. ⚠ Y-T \geq 6												
	<table border="1"> <thead> <tr> <th colspan="2">Cantilever Shafts</th> <th>Retaining Ring</th> </tr> <tr> <th>Material</th> <th>Surface Treatment</th> <th>Material</th> </tr> </thead> <tbody> <tr> <td>EN 1.1191 Equiv.</td> <td>Black Oxide</td> <td>Spring Steel</td> </tr> <tr> <td>EN 1.4301 Equiv.</td> <td>Electroless Nickel Plating</td> <td>EN 1.4301 (CSP) Equiv.</td> </tr> </tbody> </table>	Cantilever Shafts		Retaining Ring	Material	Surface Treatment	Material	EN 1.1191 Equiv.	Black Oxide	Spring Steel	EN 1.4301 Equiv.	Electroless Nickel Plating	EN 1.4301 (CSP) Equiv.	
Cantilever Shafts		Retaining Ring												
Material	Surface Treatment	Material												
EN 1.1191 Equiv.	Black Oxide	Spring Steel												
EN 1.4301 Equiv.	Electroless Nickel Plating	EN 1.4301 (CSP) Equiv.												



Type	Material	Surface Treatment
FXMB	EN 1.1191	Black Oxide
PFXMB	EN 1.1191 Equiv.	Electroless Nickel Plating
SFXMB	EN 1.4301 Equiv.	-

RoHS 10

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

Part Number	Type	No.	Dg6	1mm Increment		Selection	M Coarse	V	H	W	Unit Price			Tap Size	Effective Length	Pilot Hole Depth							
				Y	F						T	MA (Coarse)	FXMB				PFXMB	SFXMB					
FXMB PFXMB SFXMB	4~60	6	6	-0.004 -0.012	5~75	1 3 5	3	M3	8	14	12												
		8	8	-0.005 -0.014								4 5 6	M4	10	17	14							
		10	10														5 6 8	M6	13	21	18		
		12	12																			15	24
		15	15	-0.006 -0.017								6 8 10	M8	18	28	25							
	17	17		20	32	28																	
	20	20					24	36	32														
	25	25	-0.007 -0.020	29	43	38																	
	30	30					34	50	44														

Ordering Example

Part Number - Y - F - T - MA

FXMB20 - 20 - F70 - T5 - MA6

SFXMB12 - 10 - F100 - T2 - MA6

Alterations

Part Number - Y - F - T - MA - (SC)

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 ⚠ For D (Wrench Flats), the tolerance is always positive. ⚠ Y-T \geq 6

