


# Cantilever Shafts

## Threaded with Tapped End

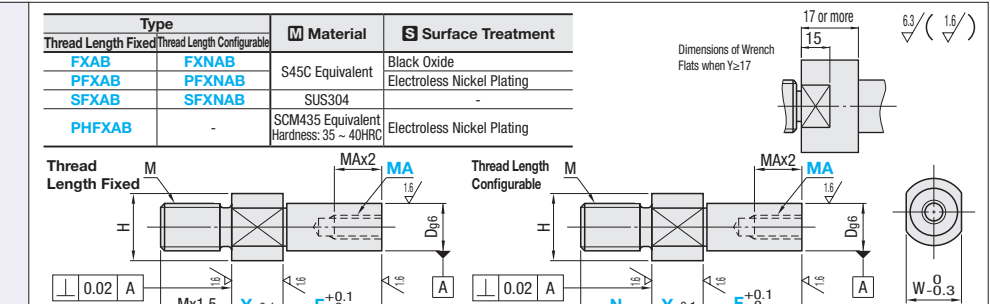
**Standard**



**RoHS 10**

Type		M Material	S Surface Treatment
FXAB	FXNAB	S45C Equivalent	Black Oxide
PFXAB	PFXNAB		Electroless Nickel Plating
SFXAB	SFXNAB	SUS304	-
PHFXAB	-	SCM435 Equivalent Hardness: 35 ~ 40HRC	Electroless Nickel Plating

Dimensions of Wrench Flats when  $Y \geq 17$



⚠ 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 **P.886** for thread undercut dimensions.


Part Number Type	No.	Dg6	1mm Increment			MA (Coarse) Selection	H	W	M (Coarse)	Unit Price									
			Y	F	N					Thread Length Fixed			Thread Length Configurable						
Thread Length Fixed FXAB PFXAB SFXAB PHFXAB	6	6	-0.004 -0.012	2-60	5-100	6-12	3	10	8	M 6	FXAB	PFXAB	SFXAB	PHFXAB	FXNAB	PFXNAB	SFXNAB		
	6A																		
	8																		
	8A	8	-0.005 -0.014		12-24	8-16	4	12	10	M 8									
	10																		
	10A																		
	12	-0.006 -0.017	12-20		10-150	20-40	5 6 8	17	14	M10									
	13																		
	15																		
	15		20		-0.007 -0.020	4-75	8 10 12	26	24	M12									
16																			
17																			
17	-0.007 -0.020		20-28	10-150	20-40	6 8 10 12	28	24	M16										
18																			
18																			
20			25	-0.007 -0.020	4-75	8 10 12 16	31	27	M20										
20A																			
22																			
22		-0.007 -0.020	25	4-75	8 10 12 16 20	36	32	M16											
25																			
25A																			
30			30	-0.007 -0.020	4-75	8 10 12 16 20	36	32	M20										
30A																			
30A																			

**Table 1**

MA	Y+F
M 3	Y+F ≥ 11.5
M 4	Y+F ≥ 14.0
M 5	Y+F ≥ 16.2
M 6	Y+F ≥ 18.5
M 8	Y+F ≥ 23.5
M10	Y+F ≥ 28.5
M12	Y+F ≥ 35.5
M16	Y+F ≥ 45.0
M20	Y+F ≥ 55.0

⚠ N is available for Thread Length Configurable Type only.

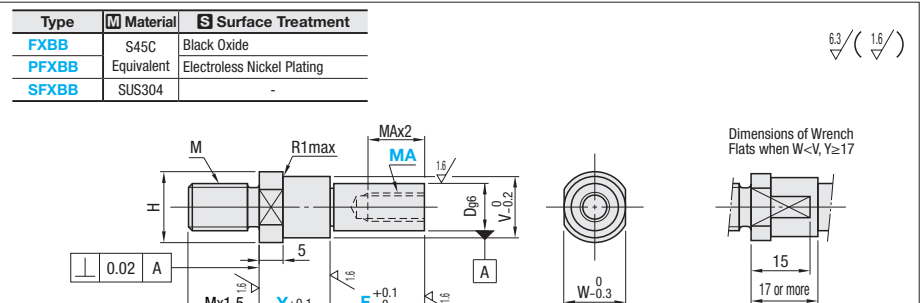
**Stepped**



**RoHS 10**

Type		M Material	S Surface Treatment
FXBB	FXNBB	S45C	Black Oxide
PFXBB	PFXNBB	Equivalent	Electroless Nickel Plating
SFXBB	SFXNBB	SUS304	-

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



⚠ 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 **P.886** for thread undercut dimensions.

Part Number Type	No.	Dg6	1mm Increment			MA (Coarse) Selection	V	H	W	M (Coarse)	Unit Price			
			Y	F	N						FXBB	PFXBB	SFXBB	
FXBB PFXBB SFXBB	6	6	-0.004 -0.012	7-60	5-75	3	8	10	8	M 6	FXBB	PFXBB	SFXBB	
	6A													
	8													
	8A	8	-0.005 -0.014		10-15	4	14	16	14	M 8				
	10													
	10A													
	12	-0.006 -0.017	12-20		10-75	5 6 8	15	17	14	M10				
	13													
	15													
	15		20		-0.007 -0.020	10-75	6 8 10	18	20	17	M12			
16														
17														
17	-0.007 -0.020		20-28	10-75	6 8 10 12	24	26	24	M16					
18														
18														
20			25	-0.007 -0.020	10-75	8 10 12 16	29	31	27	M20				
20A														
22														
22		-0.007 -0.020	25	10-75	8 10 12 16 20	34	36	32	M16					
25														
25A														
30			30	-0.007 -0.020	10-75	8 10 12 16 20	34	36	32	M20				
30A														
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⚠ When  $W < V$ , wrench flats W reaches O.D.V.