

Cantilever Shafts

Threaded with Tapped End

Standard

Type	M Material	S Surface Treatment
FXAB	EN 1.1191 Equiv.	Black Oxide
PFXAB	EN 1.1191 Equiv.	Electroless Nickel Plating
SFXAB	EN 1.4301 Equiv.	-
PHFXAB	EN 1.7220 Equiv. Hardness: 35 ~ 40HRC	Electroless Nickel Plating

Thread Length Fixed

Thread Length Configurable

Dimensions of Wrench Flats when Y≥17

17 or more

6.3 / (1.6 /)

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 P886 for thread undercut dimensions.

RoHS10

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	6	6	-0.004 -0.012	5~100	6~12	3	10	8	M 6				
	PFXAB	6A	6	-0.004 -0.012				14	12					
	SFXAB	8	8	-0.005 -0.014			4	12	10	M 8				
	PHFXAB	8A	8	-0.005 -0.014				16	14					
		10	10	-0.006 -0.017			4 5 6	15	13	M10				
Thread Length Configurable	FXAB	12	12	-0.006 -0.017	12~24	5 6 8		17	14	M12				
	PFXAB	12	12	-0.006 -0.017				18	15					
	SFXAB	13	13	-0.006 -0.017				20	17					
	PHFXAB	15	15	-0.006 -0.017				20	17					
		16	16	-0.006 -0.017				21	18					
Thread Length Configurable	FXAB	20	20	-0.007 -0.020	10~150	6 8 10 12		22	19	M20				
	PFXAB	20A	20	-0.007 -0.020				23	20					
	SFXAB	22	22	-0.007 -0.020				26	24					
	PHFXAB	22A	22	-0.007 -0.020				28						
		25	25	-0.007 -0.020				31	27					
Thread Length Configurable	FXAB	30	30	-0.007 -0.020	4~75	20~40		36	32	M16				
	PFXAB	30A	30	-0.007 -0.020						M16				
	SFXAB									M16				
										M16				
										M16				

N is available for Thread Length Configurable Type only.

Stepped

Type	M Material	S Surface Treatment
FXBB	EN 1.1191 Equiv.	Black Oxide
PFXBB	EN 1.1191 Equiv.	Electroless Nickel Plating
SFXBB	EN 1.4301 Equiv.	-

Thread Length Fixed

Thread Length Configurable

Dimensions of Wrench Flats when W<V, Y≥17

15

17 or more

6.3 / (1.6 /)

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 P886 for thread undercut dimensions.

RoHS10

Part Number	Type	No.	Dg6	1mm Increment			MA (Coarse) Selection	V	H	W	M (Coarse)	Unit Price		
				Y	F	N						FXBB	PFXBB	SFXBB
Thread Length Fixed	FXBB	6	6	-0.004 -0.012	5~75	3		8	10	8	M 6			
	PFXBB	6A	6	-0.004 -0.012				12	14	12				
	SFXBB	8	8	-0.005 -0.014			4	10	12	10	M 8			
	PHFXBB	8A	8	-0.005 -0.014				14	16	14				
		10	10	-0.006 -0.017			4 5 6	13	15	13	M10			
Thread Length Configurable	FXBB	12	12	-0.006 -0.017	7~60	5 6 8		18	20	17	M12			
	PFXBB	12	12	-0.006 -0.017				16	18	15				
	SFXBB	13	13	-0.006 -0.017				18	20	17				
	PHFXBB	15	15	-0.006 -0.017				19	21	18				
		16	16	-0.006 -0.017				20	22	19				
Thread Length Configurable	FXBB	20	20	-0.007 -0.020	10~75	6 8 10 12		21	23	20	M20			
	PFXBB	20A	20	-0.007 -0.020				24	26					
	SFXBB	22	22	-0.007 -0.020				26	28	24				
	PHFXBB	22A	22	-0.007 -0.020				29	31	27				
		25	25	-0.007 -0.020				34	36	32				
Thread Length Configurable	FXBB	30	30	-0.007 -0.020	4~75	20~40					M16			
	PFXBB	30A	30	-0.007 -0.020							M16			
	SFXBB										M16			
											M16			
											M16			

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

Hex

Type	M Material	S Surface Treatment
LXAB	EN 1.1191 Equiv.	Black Oxide
PLXAB	EN 1.1191 Equiv.	Electroless Nickel Plating
SLXAB	EN 1.4301 Equiv.	-

Thread Length Fixed

Thread Length Configurable

Dimensions of Wrench Flats when Y≥17

15

17 or more

6.3 / (1.6 /)

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

RoHS10

Part Number	Type	No.	Dg6	1mm Increment			MA (Coarse) Selection	B	(C)	M (Coarse)	Unit Price			
				Y	F	N					Thread Length Fixed		Thread Length Configurable	
Thread Length Fixed	LXAB	6	6	-0.004 -0.012	5~100	6~12	3	8	9.2	M 6				
	PLXAB	6	6	-0.004 -0.012				10	11.5	M 8				
	SLXAB	8	8	-0.005 -0.014			4	13	15	M10				
		10	10	-0.006 -0.017			4 5 6	14	16.2	M12				
		12	12	-0.006 -0.017				17	19.6					
Thread Length Configurable	LXAB	13	13	-0.006 -0.017	12~24	5 6 8		19	21.9					
	PLXAB	13	13	-0.006 -0.017										
	SLXAB	15	15	-0.006 -0.017										
		16	16	-0.006 -0.017										
		17	17	-0.006 -0.017										
Thread Length Configurable	LXAB	20	20	-0.007 -0.020	10~100	6 8 10 12		24	27.7	M20				
	PLXAB	20A	20	-0.007 -0.020						M16				
	SLXAB	22	22	-0.007 -0.020						M16				
		22A	22	-0.007 -0.020						M16				
		25	25	-0.007 -0.020						M20				
Thread Length Configurable	LXAB	30	30	-0.007 -0.020	4~60	20~40		27	31.2	M16				
	PLXAB	30A	30	-0.007 -0.020						M16				
	SLXAB									M20				
										M20				
										M16				

N is available for Thread Length Configurable Type only.

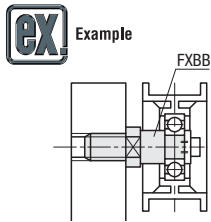
Ordering Example

Part Number	-	Y	-	F	-	N	-	MA
FXAB10	-	25	-	F18	-	MA5		
PLXAB12	-	15	-	F25	-	N12	-	MA6

Alterations

Part Number	-	Y	-	F	-	N	-	MA	-	(YKC, WSC)
FXAB20	-	20	-	F20	-		-	MA10	-	YKC

Y Dimension Tolerance	Four Wrench Flats	Example
YKC	WSC	FXBB
YKC	WSC	
Code	YKC	WSC
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



Thread Undercut Dimensions

Coarse Thread			
Thread Dia. (M)	g	r	f
6			4.3-4.9
8	1.5-2.5	0.2-0.6	6.3-6.6
10			8.1-8.3
12	1.5-3.0		9.8-10.1
16		0.2-1.0	13.6-13.8
20	1.5-4.0		17.0-17.2