

Cantilever Shafts

Tapped End - Configurable Dimensions

Standard **RoHS**

Type		M Material	S Surface Treatment
FXAB	FXNAB	1045 Carbon Steel	Black Oxide
PFXAB	PFXNAB		Electroless Nickel Plating
SFXAB	SFXNAB	304 Stainless Steel	-
PHFXAB	-	4137 Alloy Steel Hardness: 35~40HRC	Electroless Nickel Plating

Dimensions of Wrench Flats when Y ≥ 17

Thread Length Fixed

Thread Length Configurable

Please refer to Table 1 to specify dimensions Y and F.
Refer to the table on P.774 for thread undercut dimensions.

Part Number	Type	No.	Dg6	1mm Increment			MA (Coarse)	H	W	M (Coarse Thread)	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	M6				
	6A	6	-0.004 -0.012					14	12					
	8	8	-0.005 -0.014				4	12	10	M8				
	8A	8	-0.005 -0.014					16	14					
	10	10	-0.006 -0.017				4 5 6	15	13	M10				
	10A	10	-0.006 -0.017					20	17					
	12	12						17	14					
	13	13						18	15					
	15	15						20	17					
	16	16						21	18					
Thread Length Configurable FXNAB PFXNAB SFXNAB	17	17	-0.007 -0.020	4~75	10~150	12~24	6 8 10	22	19	M12				
	18	18	-0.007 -0.020					23	20					
	20	20						26	24	M20				
	20A	20								M16				
	22	22					6 8 10 12	28		M20				
	22A	22								M16				
	25	25					8 10 12 16	31	27	M20				
	25A	25								M16				
	30	30								M20				
	30A	30					8 10 12 16 20	36	32	M16				

MA	Y+F
M3	Y+F ≥ 11.5
M4	Y+F ≥ 14.0
M5	Y+F ≥ 16.2
M6	Y+F ≥ 18.5
M8	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**

Type	M Material	S Surface Treatment
FXBB	1045 Carbon Steel	Black Oxide
PFXBB		Electroless Nickel Plating
SFXBB	304 Stainless Steel	-

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

Thread Length Fixed

Thread Length Configurable

Please refer to Table 1 to specify dimensions Y and F.
Refer to the table on P.774 for thread undercut dimensions.

Part Number	Type	No.	Dg6	1mm Increment			MA (Coarse)	V	H	W	M (Coarse Thread)	Unit Price			
				Y	F	N						Thread Length Fixed		Thread Length Configurable	
Thread Length Fixed FXBB PFXBB SFXBB	6	6	-0.004 -0.012	5~75	10~150	6~12	3	8	10	8	M6				
	6A	6	-0.004 -0.012					12	14	12					
	8	8	-0.005 -0.014				4	10	12	10	M8				
	8A	8	-0.005 -0.014					14	16	14					
	10	10	-0.006 -0.017				4 5 6	13	15	13	M10				
	10A	10	-0.006 -0.017					18	20	17					
	12	12						15	17	14					
	13	13						16	18	15					
	15	15						18	20	17					
	16	16						19	21	18					
Thread Length Configurable FXNAB PFXNAB SFXNAB	17	17	-0.007 -0.020	7~60	10~150	12~24	6 8 10	20	22	19	M12				
	18	18	-0.007 -0.020					21	23	20					
	20	20						24	26	24	M20				
	20A	20									M16				
	22	22					6 8 10 12	26	28		M20				
	22A	22									M16				
	25	25					8 10 12 16	29	31	27	M20				
	25A	25									M16				
	30	30									M20				
	30A	30					8 10 12 16 20	34	36	32	M16				

MA	Y+F
M3	Y+F ≥ 11.5
M4	Y+F ≥ 14.0
M5	Y+F ≥ 16.2
M6	Y+F ≥ 18.5
M8	Y+F ≥ 23.5
M10	Y+F ≥ 28.5
M12	Y+F ≥ 35.5
M16	Y+F ≥ 45.0
M20	Y+F ≥ 55.0

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

Hex **RoHS**

Type		M Material	S Surface Treatment
LXAB	LXNAB	1045 Carbon Steel	Black Oxide
PLXAB	PLXNAB		Electroless Nickel Plating
SLXAB	SLXNAB	304 Stainless Steel	-

Thread Length Fixed

Thread Length Configurable

Please refer to Table 1 to specify dimensions Y and F. Refer to the table below for thread undercut dimensions.

Part Number	Type	No.	Dg6	1mm Increment			MA (Coarse)	B	(C)	M (Coarse Thread)	Unit Price			
				Y	F	N					Thread Length Fixed		Thread Length Configurable	
Thread Length Fixed LXAB PLXAB SLXAB	6	6	-0.004 -0.012	5~100	6~12	3	3	8	9.2	M6				
	8	8	-0.005 -0.014				4	10	11.5	M8				
	10	10	-0.006 -0.017				4 5 6	13	15.0	M10				
	12	12						14	16.2					
	13	13						17	19.6					
	15	15						19	21.9					
	16	16												
	17	17												
	18	18												
	20	20												
Thread Length Configurable LXNAB PLXNAB SLXNAB	20A	20	-0.007 -0.020	4~60	10~100	20~40	6 8 10 12	24	27.7	M20				
	22	22								M16				
	22A	22								M16				
	25	25					8 10 12 16	27	31.2	M20				
	25A	25								M16				
	30	30								M20				
	30A	30					8 10 12 16 20	32	36.9	M16				

N is available for Thread Length Configurable Type only.

Ordering Example

Part Number - Y - F - N - MA

FXAB10 - 25 - F18 - MA5

PLXNAB12 - 15 - F25 - N12 - MA6

Days to Ship

Configure Online

Price

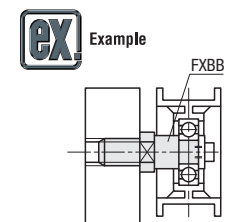
Configure Online

Alterations

Part Number - Y - F - N - MA - (YKC, WSC)

FXAB20 - 20 - F20 - MA10 - YKC

Alterations	Y Dimension Tolerance	Four Wrench Flats
	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/Stepped Types. (Ordering Code) WSC
Price Adder		

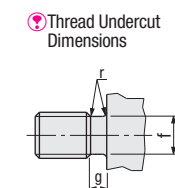


This combination application example can be selected on the Web.

Selection Procedure Details **P81**

e-Catalog keyword **#MA272**

*When a keyword is entered in e-Catalog search box, the results will be displayed in "Modular Assembly" area in the right part of screen.



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	0.2-1.0	9.8-10.1
16			13.6-13.8
20	1.5-4.0		17.0-17.2