

Cantilever Shafts

Threaded with Retaining Ring Groove

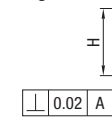
Standard



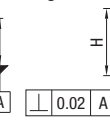
RoHS 10

Type	M Material	S Surface Treatment
FXAA	EN 1.1191 Equiv.	Black Oxide
PFXAA	EN 1.4301 Equiv.	Electroless Nickel Plating
SFXAA	EN 1.4301 Equiv.	-
HFXAA	EN 1.7220 Equiv. Hardness: 35 ~ 40HRC	Black Oxide

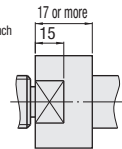
Thread Length Fixed



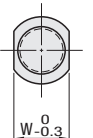
Thread Length Configurable



Dimensions of Wrench Flats when $Y \geq 17$



6.3 / (1.6 /)



- This type may have centering holes depending on dimensions.
- Refer to the table on P884 for thread undercut dimensions.

Part Number		Dg6		1mm Increment			d			m		n		Unit Price														
Type	No.			Y	F	N	H	W	M (Coarse)					Ref. Dim.	Tolerance	Thread Length Fixed			Thread Length Configurable									
Thread Length Fixed FXAA PFXAA SFXAA HFXAA (D≥6)	3	3	-0.002	2~30	3~50	3~ 6	7	5	M 3	2	+0.060 0	0.5	2	FXAA	PFXAA	SFXAA	HFXAA	FXNAA	PFXNAA	SFXNAA								
	3A		-0.008																									
	4	4				4~ 8	8	6						M 4	3													
	4A						12	10																				
	5	5	-0.004				5~10	9	7	M 5	4			+0.075 0	0.7	3												
	5A		-0.012			13	11																					
	6	6		2~60	5~100	6~12	10	8	M 6	5		0.9	4															
	6A						14	12																				
	8	8	-0.005				8~16	12	10	M 8	7			+0.090 0			1.15	5										
	8A		-0.014					16	14																			
10	10		10~150			12~24	10~20	15	13	M10	9.6			-0.090	1.35	6												
10A							20	17																				
12	12							17	14	M12		0 -0.110	1.65	7														
13	13	-0.006						18	15																			
15	15	-0.017						20	17																			
16	16						21	18																				
17	17					22	19																					
Thread Length Configurable FXNAA PFXNAA SFXNAA (D≥6)	18	18			4~60	20~40	23	20			16.2	1.35	8															
	20	20							26		M20			19														
	20A								28	24	M16			21														
	22	22	-0.007					31	27	M20	23.9			0														
	22A		-0.020					36	32	M16	28.6			-0.210														
	25	25																										
	25A																											
	30	30																										
	30A																											

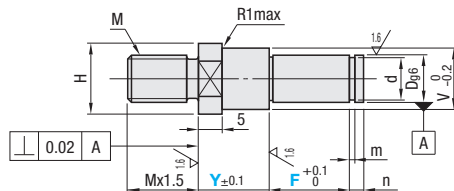
- HFXAA is applicable to D6 or larger specifications.
- N is available for Thread Length Configurable Type only.

Stepped

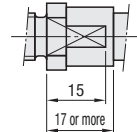


RoHS 10

Type	M Material	S Surface Treatment
FXBA	EN 1.1191 Equiv.	Black Oxide
PFXBA	EN 1.4301 Equiv.	Electroless Nickel Plating
SFXBA	EN 1.4301 Equiv.	-
PHFXBA	EN 1.7220 Equiv. Hardness: 35 ~ 40HRC	Electroless Nickel Plating



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



6.3 / (1.6 /)

- This type may have centering holes depending on dimensions.
- Refer to the table on P884 for thread undercut dimensions.

Part Number		Dg6	1mm Increment		V	H	W	M (Coarse)	d		m	n	Unit Price						
Type	No.		Y	F					Ref. Dim.	Tolerance			FXBA	PFXBA	SFXBA	PHFXBA			
FXBA PFXBA SFXBA PHFXBA (D≥6)	3	3	-0.002	7~30	3~ 50	5	7	5	M 3	2	+0.060 0	0.5	2						
	3A		-0.008			9	11	9											
	4	4				6	8	6	M 4	3									
	4A					10	12	10											
	5	5	-0.004	7~60	5~100	7	9	7	M 5	4	+0.075 0	0.7							
	5A		-0.012			11	13	11											
	6	6				8	10	8	M 6	5									
	6A					12	14	12											
	8	8	-0.005			10	12	10	M 8	7	+0.090 0	0.9	3						
	8A		-0.014			14	16	14											
	10	10				13	15	13	M10	9.6	0 -0.090			1.15	4				
	10A					18	20	17											
	12	12				15	17	14	M12	0 -0.110	11.5 12.4 14.3 15.2 16.2 17	1.35	5						
	13	13	-0.006			16	18	15											
	15	15	-0.006			18	20	17											
	16	16	-0.017			19	21	18											
	17	17		20	22	19													
	18	18		21	23	20													
	20	20		7~60	10~150	24	26	24	M20	19	0 -0.210			1.65					
	20A					26	28		M16	21									
22	22	-0.007					M20		23.9										
22A		-0.020	29			31	M16	28.6											
25	25		34			36	M20												
25A							M16												
30	30				34	36	32	M20	28.6										
30A								M16											

- When $W < V$, wrench flats W reaches O.D.V.
- PHFXBA is applicable to D6 or larger specifications.