

Cantilever Shafts

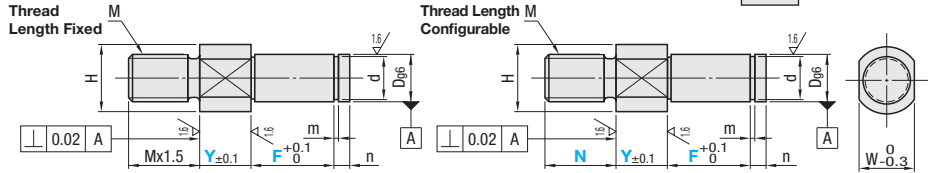
Threaded with Retaining Ring Groove

Standard

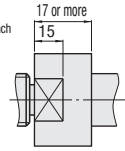


RoHS 10

Type		Material	Surface Treatment
FXAA	FXNAA	S45C Equivalent	Black Oxide
PFXAA	PFXNAA		Electroless Nickel Plating
SFXAA	SFXNAA	SUS304	-
HFXAA	-	SCM435 Equivalent Hardness: 35 ~ 40HRC	Black Oxide



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	Type	No.	Dg6	1mm Increment		H	W	M (Coarse)	d (Ref. Dim.)	Tolerance	m	n	Unit Price																								
				Y	F								N	Thread Length Fixed		Thread Length Configurable																					
Thread Length Fixed FXAA PFXAA SFXAA HFXAA (D≥6) Thread Length Configurable FXNAA PFXNAA SFXNAA	3	3A	3	-0.002	-0.008	2-30	3-50	3-6	7	5	M 3	2	+0.060	0	0.5	2	FXAA	PFXAA	SFXAA	HFXAA	FXNAA	PFXNAA	SFXNAA														
	4	4A	4	-0.004	-0.012				4-8	8							6	M 4	3	-	-	-	-	-	-	-	-	-	-	-							
	5	5A	5	-0.004	-0.012				5-10	9							7	M 5	4	+0.075	0	0.7	-	-	-	-	-	-	-	-	-						
	6	6A	6	-0.005	-0.014	2-60	5-100	6-12	10	8	M 6	5	+0.090	0	0.9	3	-	-	-	-	-	-	-														
	8	8A	8	-0.005	-0.014				8-16	12							10	M 8	7	+0.090	0	1.15	-	-	-	-	-	-	-	-							
	10	10A	10	-0.006	-0.017				10-20	15							13	M10	9.6	0	-0.090	1.35	4	-	-	-	-	-	-	-	-						
	12	12	12	-0.006	-0.017				12-24	17							14							M12	11.5	0	-0.110	1.65	5	-	-	-	-	-	-	-	-
	13	13	13	-0.006	-0.017				12-24	18							15													M12	12.4	0	-0.110	1.65	5	-	-
	15	15	15	-0.006	-0.017				12-24	20							17	M12	14.3	0	-0.110	1.65	5													-	-
	16	16	16	-0.007	-0.020	10-150	21	18	M20	19	0	-0.210	1.65	5	-	-	-							-	-	-	-	-									
	17	17	17	-0.007	-0.020	10-150	22	19							M20	21	0							-0.210	1.65	5	-	-	-	-	-	-	-	-			
	18	18	18	-0.007	-0.020	10-150	23	20										M20	23.9	0	-0.210	1.65	5				-	-	-	-	-	-	-	-			
	20	20A	20	-0.007	-0.020	10-150	26	24	M20	28.6	0	-0.210	1.65	5													-	-	-	-	-	-	-	-			
	22	22A	22	-0.007	-0.020	10-150	28	24							M20	28.6	0							-0.210	1.65	5	-	-	-	-	-	-	-	-			
	25	25A	25	-0.007	-0.020	10-150	31	27										M20	28.6	0	-0.210	1.65	5				-	-	-	-	-	-	-	-			
	25A	25A	25	-0.007	-0.020	10-150	31	27	M20	28.6	0	-0.210	1.65	5													-	-	-	-	-	-	-	-			
	30	30A	30	-0.007	-0.020	10-150	36	32							M20	28.6	0							-0.210	1.65	5	-	-	-	-	-	-	-	-			
	30A	30A	30	-0.007	-0.020	10-150	36	32										M20	28.6	0	-0.210	1.65	5				-	-	-	-	-	-	-	-			

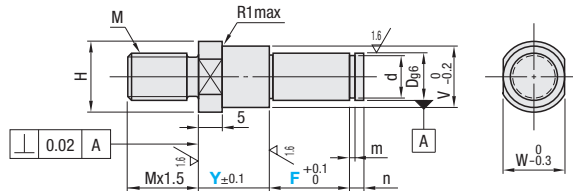
- HFXAA is applicable to D6 or larger specifications.
- N is available for Thread Length Configurable Type only.

Stepped

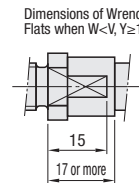


RoHS 10

Type	Material	Surface Treatment
FXBA	S45C Equivalent	Black Oxide
PFXBA		Electroless Nickel Plating
SFXBA	SUS304	-
PHFXBA	SCM435 Equivalent 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	Type	No.	Dg6	1mm Increment		V	H	W	M (Coarse)	d (Ref. Dim.)	Tolerance	m	n	Unit Price																				
				Y	F									FXBA	PFXBA	SFXBA	PHFXBA																	
FXBA PFXBA SFXBA PHFXBA (D≥6)	3	3A	3	-0.002	-0.008	7-30	3-50	3-5	5	7	M 3	2	+0.060	0	0.5	2	FXBA	PFXBA	SFXBA	PHFXBA														
	4	4A	4	-0.004	-0.012				6	8							M 4	3	-	-	-	-	-	-	-	-	-							
	5	5A	5	-0.004	-0.012				7	9							M 5	4	+0.075	0	0.7	-	-	-	-	-	-							
	6	6A	6	-0.005	-0.014	2-60	5-100	6-12	10	12	M 6	5	+0.090	0	0.9	3	-	-	-	-	-													
	8	8A	8	-0.005	-0.014				12	14							M 8	7	+0.090	0	1.15	-	-	-	-	-	-							
	10	10A	10	-0.006	-0.017				10-20	13							13	M10	9.6	0	-0.090	1.35	4	-	-	-	-	-						
	12	12	12	-0.006	-0.017				12-24	15							14							M12	11.5	0	-0.110	1.65	5	-	-	-	-	-
	13	13	13	-0.006	-0.017				12-24	16							15													M12	12.4	0	-0.110	1.65
	15	15	15	-0.006	-0.017				12-24	18							17	M12	14.3	0	-0.110	1.65	5											
	16	16	16	-0.007	-0.020	10-150	19	18	M20	19	0	-0.210	1.65	5	-	-	-							-	-									
	17	17	17	-0.007	-0.020	10-150	20	19							M20	21	0							-0.210	1.65	5	-	-	-	-	-			
	18	18	18	-0.007	-0.020	10-150	21	20										M20	23.9	0	-0.210	1.65	5				-	-	-	-	-			
	20	20A	20	-0.007	-0.020	10-150	24	26	M20	28.6	0	-0.210	1.65	5													-	-	-	-	-			
	22	22A	22	-0.007	-0.020	10-150	26	28							M20	28.6	0							-0.210	1.65	5	-	-	-	-	-			
	25	25A	25	-0.007	-0.020	10-150	29	31										M20	28.6	0	-0.210	1.65	5				-	-	-	-	-			
	25A	25A	25	-0.007	-0.020	10-150	29	31	M20	28.6	0	-0.210	1.65	5													-	-	-	-	-			
	30	30A	30	-0.007	-0.020	10-150	34	36							M20	28.6	0							-0.210	1.65	5	-	-	-	-	-			
	30A	30A	30	-0.007	-0.020	10-150	34	36										M20	28.6	0	-0.210	1.65	5				-	-	-	-	-			

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