

# Cantilever Shafts (For Tension)

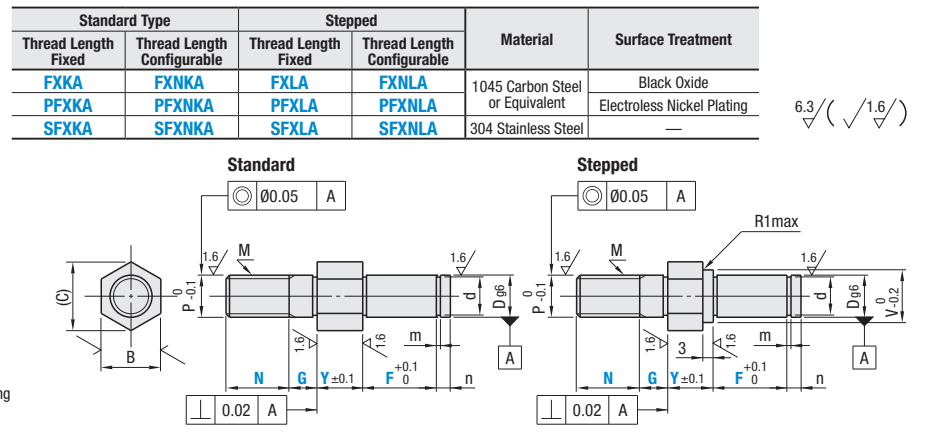
Retaining Ring / Bolt Fixing



**D Tolerance (µm)**

6	-0.004 -0.012
8, 10	-0.005 -0.014
12-18	-0.006 -0.017
20-30	-0.007 -0.020

This type may have centering holes depending on dimensions.



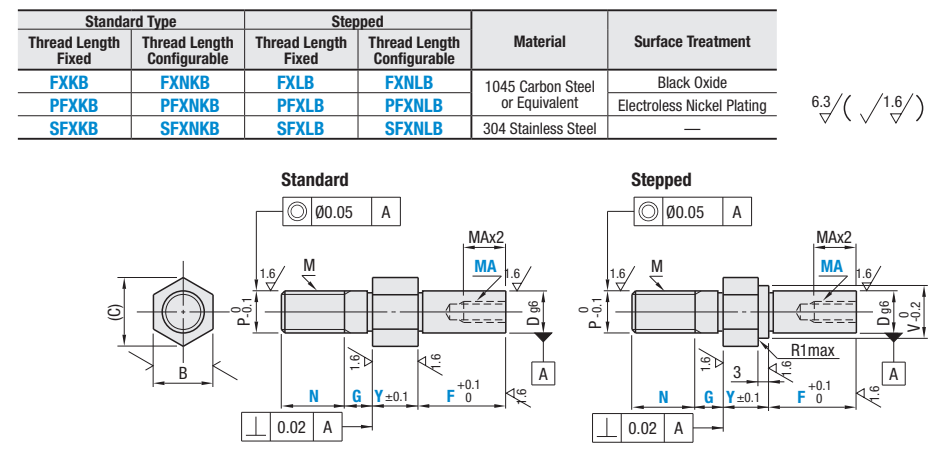
Part Number Type	No.	D	1 mm Increment			N		P	M (Coarse)	V (Stepped Only)	B	(C)	Ref. Dims.	Tolerance	m	n	
			Y	F	G	Thread Length Fixed	Thread Length Configurable										
Standard Fixed	6	6	5-60	5-100	5-10	9	6-12	6	M6	8	10	11.5	5	+0.075 0	0.7	2	
	8	8				12	8-16	8	M8	10	12	13.9	7	+0.090 0	0.9	3	
	10	10				15	10-20	10	M10	13	14	16.2	9.6	0 -0.090	1.15		
	12	12				18	12-24	12	M12	15	11.5	15	17	19.6	11.5		0 -0.110
	13	13								16	12	14	14.3				
	15	15								18	15	17	15.2				
16	16	20	16	17	16.2												
Stepped Fixed	17	17	10-150	5-20	30	20-40	20	M20	24	27	31.2	19	0 -0.210	5			
	18	18					21	24	27.7	17							
	20	20					20	M20	26	29	34.6	23.9					
	20A	20					16	M16	29	30	34.6	23.9					
	22	22					20	M20	34	36	41.6	28.6					
	22A	22					16	M16	34	36	41.6	28.6					
25	25	16	M16														
25A	25																
30	30																
30A	30																



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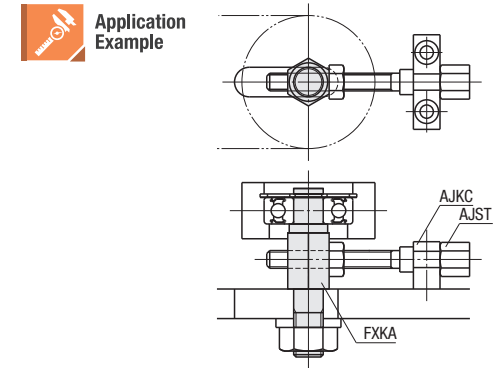
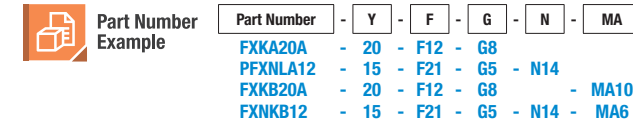
Please refer to Table 1 to specify dimensions Y and F.



Part Number Type	No.	D	1 mm Increment			N		MA (Coarse)	P	M (Coarse)	V (Stepped Only)	B	(C)	Table 1			
			Y	F	G	Thread Length Fixed	Thread Length Configurable							MA	Y+F		
Standard Fixed	6	6	5-60	5-100	5-10	9	6-12	3	6	M6	8	10	11.5	M3	Y+F≥11.5		
	8	8				12	8-16	4	8	M8	10	12	13.9	M4	Y+F≥14.0		
	10	10				15	10-20	4 5 6	10	M10	13	14	16.2	M5	Y+F≥16.2		
	12	12				18	12-24	6 8 10	15	11.5	15	17	19.6	11.5	12	M6	Y+F≥18.5
	13	13							16	12	14	14.3					
	15	15							18	15	17	15.2					
16	16	20	16	17	16.2												
Stepped Fixed	17	17	10-120	5-20	30	20-40	20	M20	24	27	31.2	M8	Y+F≥23.5				
	18	18					21	24	27.7	17							
	20	20					20	M20	26	27	31.2	M10	Y+F≥28.5				
	20A	20					16	M16	29	30	34.6	M12	Y+F≥35.5				
	22	22					20	M20	34	36	41.6	M16	Y+F≥45.0				
	22A	22					16	M16	34	36	41.6	M20	Y+F≥55.0				
25	25	16	M16														
25A	25																
30	30																
30A	30																

# Cantilever Shafts (For Tension)

Retaining Ring / Bolt Fixing, continued



Alterations	Retaining Ring Set	Y Dimension Tolerance	Width Across Flats	Tapped Hole																																
		YKC	SC	MTC																																
<b>Code</b>	<b>SET</b>	<b>YKC</b>	<b>SC</b>	<b>MTC</b>																																
<b>Spec.</b>	Attaches a retaining ring to each applicable shaft diameter. <b>Ordering Code:</b> SET Available for retaining ring type. Retaining Ring Shape No.6-8: E Type Retaining Ring No.3-8A: E Type Retaining Ring Retaining Ring Material	Changes Y dimension tolerance to ±0.05. Ⓢ Applicable to all types. <b>Ordering Code:</b> YKC	An alteration of width across flats can be made for a slot hole guide. Ⓢ Applicable to all types. <b>Ordering Code:</b> SC Ⓢ P (wrench flats) tolerance is +0.2/0.	An alteration of a tapped hole made for shaft push/pull. Allows combined use of AJST (P.1710) or AJKC (P.1712). (Configurable dimension Y is limited. Refer to the table below.) <b>Ordering Code:</b> MTC																																
	<table border="1"> <thead> <tr> <th rowspan="2">D</th> <th rowspan="2">X</th> <th rowspan="2">M<sub>1</sub></th> <th colspan="2">Y min.</th> </tr> <tr> <th>Standard</th> <th>Stepped</th> </tr> </thead> <tbody> <tr><td>6</td><td rowspan="3">10</td><td>M4</td><td>15</td><td>18</td></tr> <tr><td>8</td><td>M5</td><td>16</td><td>19</td></tr> <tr><td>10</td><td>M6</td><td>18</td><td>21</td></tr> <tr><td>12-18</td><td rowspan="3">15</td><td>M8</td><td>25</td><td>28</td></tr> <tr><td>20-25A</td><td>M10</td><td>27</td><td>30</td></tr> <tr><td>30, 30A</td><td>M12</td><td></td><td></td></tr> </tbody> </table>	D	X	M <sub>1</sub>	Y min.		Standard	Stepped	6	10	M4	15	18	8	M5	16	19	10	M6	18	21	12-18	15	M8	25	28	20-25A	M10	27	30	30, 30A	M12				
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Ⓢ When combined with SC, add 3 mm to dimension Y.