

# Cantilever Shafts

For Tension

For Idlers, see P1201~.

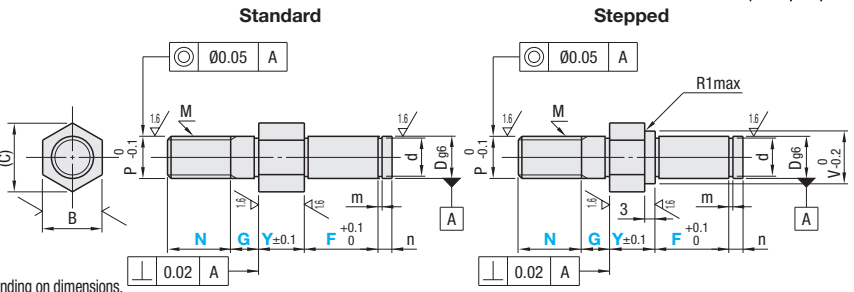
## Retaining Ring



RoHS10

Standard		Stepped		Material	Surface Treatment
Thread Length Fixed	Thread Length Configurable	Thread Length Fixed	Thread Length Configurable		
FXXKA	FXNKA	FXLA	FXNLA	S45C	Black Oxide
PFXKA	PFXNKA	PFXLA	PFXNLA	Equivalent	Electroless Nickel Plating
SFXKA	SFXNKA	SFXLA	SFXNLA	SUS304	-

6.3 (✓ 1.6) ✓



D Tolerance (g6)	
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 be centering holes depending on dimensions.

Part Number Type	No.	D	1mm Increment			N	P	M (Coarse)	V (Stepped only)	B	(C)	Ref. Dim.	d Tolerance	m	n							
			Y	F	G																	
Standard Fixed FXXKA PFXKA SFXKA	6	6	5-60	5-100	5-10	9	6	M 6	8	10	11.5	5	0.075	0.7	2							
	8	8				12	8-16	8	M 8	10	12	13.9	7	0.090	0.9	3						
	10	10				15	10-20	10	M10	13	14	16.2	9.6	0.090	1.15	4						
	12	12				10-150	5-15	18	12-24	12	M12	15	17	19.6	11.5	0	1.15	4				
	13	13										16	12.4	18	14.3				19	21.9	15.2	
	15	15										18	15.2	20	27.5				16.2	21	24	27.7
	16	16	20	20-40	20							M20	24	27	31.2				19	0	1.35	5
	17	17	22	22	26							M16	29	30	34.6				23.9			
	18	18	25	25	30							M20	34	36	41.6				28.6			
	20	20	30	30	36	M16																
	20A	20A	30A	30A																		
	22	22	30	30																		

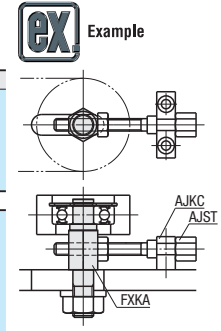
Ordering Example: Part Number - Y - F - G - N  
 FXXKA20A - 20 - F12 - G8  
 PFXNLA12 - 15 - F21 - G5 - N14

## Retaining Ring

No.	Unit Price												
	Standard				Stepped				Stepped				
	Thread Length Fixed		Thread Length Configurable		Thread Length Fixed		Thread Length Configurable		Thread Length Fixed		Thread Length Configurable		
	FXXKA	PFXKA	SFXKA	FXNKA	PFXNKA	SFXNKA	FXLA	PFXLA	SFXLA	FXNLA	PFXNLA	SFXNLA	
6													
8													
10													
12													
13													
15													
16													
17													
18													
20													
20A													
22													
22A													
25													
25A													
30													
30A													

Alterations: Part Number - Y - F - G - N - (YKC, SC, MTC, SET)  
 FXNLA12 - 27 - F15 - G7 - N12 - MTC

Alterations	Retaining Ring Set	YKC	SC	MTC																																
Code	SET	YKC	SC	MTC																																
Spec.	Retaining Ring applicable to each shaft diameter is included. Ordering Code SET Applicable to Retaining Ring Type. Retaining Ring Shape No.=6~8: E Type Retaining Ring No.=10~30A: C Type Retaining Ring Retaining Ring Material Cantilever Shafts Retaining Ring Material Surface Treatment Material S45C Black Oxide Spring Steel SUS304 Electroless Nickel Plating SUS304-CSP	Changes Y dimension tolerance to ±0.05. Applicable to all types. Ordering Code YKC P (wrench flats) tolerance is +0.2/0.	An alteration of wrench flats can be made for a slot hole guide. Applicable to all types. Ordering Code 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.1463) or AJKC (P.1465). (Configurable dimension Y is limited. Refer to the table below.) Ordering Code MTC When combined with SC, add 3mm to dimension Y. <table border="1"> <thead> <tr> <th>D</th> <th>X</th> <th>M</th> <th>Ymin.</th> </tr> <tr> <th></th> <th></th> <th>Standard</th> <th>Stepped</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>10</td> <td>M 4</td> <td>15 18</td> </tr> <tr> <td>8</td> <td>10</td> <td>M 5</td> <td>16 19</td> </tr> <tr> <td>10</td> <td>10</td> <td>M 6</td> <td>16 19</td> </tr> <tr> <td>12-18</td> <td>15</td> <td>M 8</td> <td>18 21</td> </tr> <tr> <td>20-25A</td> <td>15</td> <td>M10</td> <td>25 28</td> </tr> <tr> <td>30, 30A</td> <td>15</td> <td>M12</td> <td>27 30</td> </tr> </tbody> </table>	D	X	M	Ymin.			Standard	Stepped	6	10	M 4	15 18	8	10	M 5	16 19	10	10	M 6	16 19	12-18	15	M 8	18 21	20-25A	15	M10	25 28	30, 30A	15	M12	27 30
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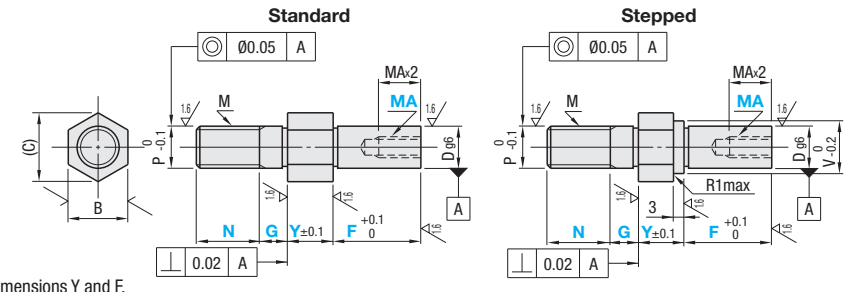
## Screw Mount



RoHS10

Standard		Stepped		Material	Surface Treatment
Thread Length Fixed	Thread Length Configurable	Thread Length Fixed	Thread Length Configurable		
FXXKB	FXNKB	FXLB	FXNLB	S45C	Black Oxide
PFXKB	PFXNKB	PFXLB	PFXNLB	Equivalent	Electroless Nickel Plating
SFXKB	SFXNKB	SFXLB	SFXNLB	SUS304	-

6.3 (✓ 1.6) ✓



D Tolerance (g6)	
6	-0.004 -0.012
8, 10	-0.005 -0.014
12-18	-0.006 -0.017
20-30	-0.007 -0.020

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

Part Number Type	No.	D	1mm Increment			N	MA (Coarse) Selection	P	M (Coarse)	V (Stepped only)	B	(C)	Table 1									
			Y	F	G								MA	Y+F								
Standard Fixed FXXKB PFXKB SFXKB	6	6	5-60	5-100	5-10	9	6-12	3	6	M 6	8	10	11.5	M 3	Y+F≥11.5							
	8	8				12	8-16	4	8	M 8	10	12	13.9	M 4	Y+F≥14.0							
	10	10				15	10-20	4 5 6	10	M10	13	14	16.2	M 5	Y+F≥16.2							
	12	12				10-120	5-15	18	12-24	12	M12	15	17	19.6	15	17	19.6	M 6	Y+F≥18.5			
	13	13										16	12.4	18	14.3	19	21.9	16	18	21.9	M 8	Y+F≥23.5
	15	15										18	15.2	20	27.5	16.2	21	24	27.7	M10	Y+F≥28.5	
	16	16	20	20-40	20							M20	24	27	31.2	20	27.5	M12	Y+F≥35.5			
	17	17	22	22	26							M16	29	30	34.6	21	24	27.7	M16	Y+F≥45.0		
	18	18	25	25	30							M20	34	36	41.6	22	27.5	M20	Y+F≥55.0			
	20	20	30	30						24	27	31.2										
	20A	20A	30A	30A						26	27	31.2										
	22	22	30	30						29	30	34.6										
	22A	22A	30A	30A						34	36	41.6										
	25	25	30	30																		
	25A	25A	30A	30A																		
	30	30	30	30																		
	30A	30A	30A	30A																		

Ordering Example: Part Number - Y - F - G - N - MA  
 FXXKB20A - 20 - F12 - G8  
 FXNKB12 - 15 - F21 - G5 - N14 - MA6

## Screw Mount

No.	Unit Price												
	Standard				Stepped				Stepped				
	Thread Length Fixed		Thread Length Configurable		Thread Length Fixed		Thread Length Configurable		Thread Length Fixed		Thread Length Configurable		
	FXXKB	PFXKB	SFXKB	FXNKB	PFXNKB	SFXNKB	FXLB	PFXLB	SFXLB	FXNLB	PFXNLB	SFXNLB	
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Alterations: Part Number - Y - F - G - N - MA - (YKC, SC, MTC, SET)  
 FXLB12 - 27 - F15 - G7 - MA6 - MTC

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