

Cantilever Shafts (Bolt Mount with Tapped End)

Standard / Stepped

Cantilever Shafts – Bolt Mount with Tapped End Standard

RoHS10

Type	Material	Surface Treatment
FXHB	1045 Carbon Steel or Equivalent	Black Oxide
PFXHB	1045 Carbon Steel or Equivalent	Electroless Nickel Plating
SFXHB	304 Stainless Steel	—
PHFXHB	4137 Alloy Steel Equivalent Hardness: 35–40 HRC min.	Electroless Nickel Plating

$6.3 / (1.6 / \sqrt{\quad})$

Dimensions of Wrench Flats when $Y \geq 17$

Part Number Type	No.	Dg ₆	1 mm Increment		MA (Coarse)	M (Coarse)	H	W	D	M	t
			Y	F							
FXHB PFXHB SFXHB PHFXHB	6	6	-0.004	5–100	3	M3	10	8	6	M3	11
	6A	-0.012	14				12				
	8	-0.005	4		M4	12	10				
	8A	-0.014				16	14				
	10	-0.014	4 5 6		M6	15	13				
	10A	-0.014				20	17				
	12	-0.006	5 6 8	M8	17	14					
	13	-0.017			18	15					
	15	-0.017	6 8 10	M10	20	17					
	16	-0.017			21	18					
	17	-0.017	10–150	6 8 10 12	M12	23	20				
	20	-0.007				M8	26	24			
	20A	-0.020			M16		28	26			
	22	-0.007				M12	31	27			
	22A	-0.020			M16		36	32			
	25	-0.020				M12					
	25A	-0.020	M20								
	30	-0.020		M16							
30A	-0.020										

Cantilever Shafts – Bolt Mount with Tapped End Stepped

RoHS10

Type	Material	Surface Treatment
FXJB	1045 Carbon Steel or Equivalent	Black Oxide
PFXJB	1045 Carbon Steel or Equivalent	Electroless Nickel Plating
SFXJB	304 Stainless Steel	—

$6.3 / (1.6 / \sqrt{\quad})$

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

Part Number Type	No.	Dg ₆	1 mm Increment		MA (Coarse) Selection	M (Coarse Thread)	V	H	W	D	M	t
			Y	F								
FXJB PFXJB SFXJB	6	6	-0.004	5–100	3	M3	8	10	8	6	M3	11
	6A	-0.012	12				14	12				
	8	-0.005	4		M4	10	12	10				
	8A	-0.014				14	16	14				
	10	-0.014	4 5 6		M6	13	15	13				
	10A	-0.014				18	20	17				
	12	-0.006	5 6 8	M8	15	17	14					
	13	-0.017			16	18	15					
	15	-0.017	6 8 10	M10	18	20	17					
	16	-0.017			19	21	18					
	17	-0.017	10–100	6 8 10 12	M12	20	23	20				
	20	-0.007				M8	24	26	24			
	20A	-0.020			M12		26	28	26			
	22	-0.007				M8	29	31	27			
	22A	-0.020			M16		34	36	32			
	25	-0.020				M12						
	25A	-0.020	M20									
	30	-0.020		M16								
30A	-0.020											

Ⓢ When $W < V$, width across flats W reaches outer diameter V .

Cantilever Shafts (Bolt Mount with Tapped End)

Hex

Cantilever Shafts – Bolt Mount with Tapped End Hex

RoHS10

Type	Material	Surface Treatment
LXHB	1045 Carbon Steel or Equivalent	Black Oxide
SLXHB	304 Stainless Steel	—
PLXHB	1045 Carbon Steel or Equivalent	Electroless Nickel Plating

$6.3 / (1.6 / \sqrt{\quad})$

Part Number Type	No.	Dg ₆	1 mm Increment		MA (Coarse)	M (Coarse)	B	(C)	D	M	t
			Y	F							
LXHB SLXHB PLXHB	6	6	-0.004	5–100	3	M3	8	9.2	6	M3	11
	6A	-0.012	10				11.5				
	8	-0.005	4		M4	10	11.5				
	8A	-0.014				13	15.0				
	10	-0.014	4 5 6		M6	13	15.0				
	10A	-0.014				14	16.2				
	12	-0.006	5 6 8	M8	17	19.6					
	13	-0.017			19	21.9					
	15	-0.017	10–150	6 8 10	M10	24	27.7				
	16	-0.017				M12	27	31.2			
	17	-0.017			M16		31	36.9			
	18	-0.017				M12					
	20	-0.007			M20						
	20A	-0.020				M16					
	22	-0.007	M16								
	22A	-0.020									
	25	-0.020									
	25A	-0.020									
30	-0.020										
30A	-0.020										

Specify dimensions Y and F not to make the dimension "t" less than the values in the table above.
When the pilot hole interferes, it goes through.

Part Number Example

Part Number: **FXHB20** - **17** - **F25** - **MA10**

Part Number: **FXJB12** - **24** - **F18** - **MA6**

Application Example

Part Number Alterations

Part Number: **FXHB25** - **50** - **F32** - **MA10** - **YKC-APC**

Alterations	Y Dimension Tolerance	Four Wrench Flats	Additional Pilot																																																
	<p>YKC</p>	<p>WSC</p>	<p>APC</p>																																																
Code	YKC	WSC	APC																																																
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	Adds a pilot to the shaft seat. Ⓢ Applicable to all types. Ordering Code: APC <table border="1" style="font-size: small;"> <thead> <tr> <th>D</th> <th>M</th> <th>APCg6</th> </tr> </thead> <tbody> <tr><td>6</td><td>M3</td><td>6</td></tr> <tr><td>8</td><td>M4</td><td>8</td></tr> <tr><td>10</td><td>M6</td><td>10</td></tr> <tr><td>12</td><td>M8</td><td>12</td></tr> <tr><td>13</td><td>M8</td><td>13</td></tr> <tr><td>15</td><td>M8</td><td>15</td></tr> <tr><td>16</td><td>M10</td><td>16</td></tr> <tr><td>17</td><td>M10</td><td>17</td></tr> <tr><td>18</td><td>M10</td><td>18</td></tr> <tr><td>20</td><td>M12</td><td>20</td></tr> <tr><td>22</td><td>M12</td><td>22</td></tr> <tr><td>25</td><td>M16</td><td>25</td></tr> <tr><td>25A</td><td>M12</td><td>25</td></tr> <tr><td>30</td><td>M20</td><td>30</td></tr> <tr><td>30A</td><td>M18</td><td>30</td></tr> </tbody> </table>	D	M	APCg6	6	M3	6	8	M4	8	10	M6	10	12	M8	12	13	M8	13	15	M8	15	16	M10	16	17	M10	17	18	M10	18	20	M12	20	22	M12	22	25	M16	25	25A	M12	25	30	M20	30	30A	M18	30
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