


Locating Pins - Small Head, Tapered

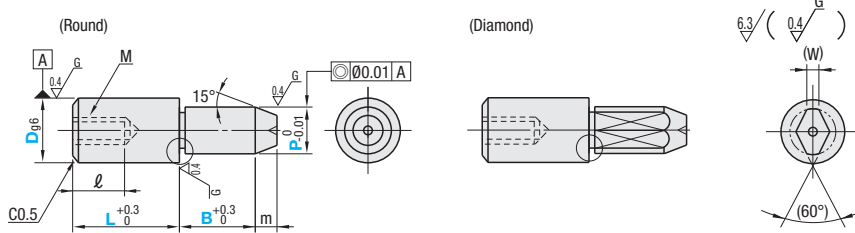
Tapped

■ **Features:** Small Head, Tapered with the shape designed to be mounted from back using bolts. Improved maintainability compared to Press Fit Type.



Material No.	Material	Surface Treatment	Hardness	P Selectable		P, L, B Configurable	
				Type	Shape Code	Type	Shape Code
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	JPS	TB (Round)	FPS	TA (Round) TD (Diamond)
(2)	SKS3 Equivalent	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50~53HRC Plating Hardness: 750HV~	-		GFPS	
(4)	SUS304*	-	-	SJPS		SFPS	
(5)	SUS304	Hard Chrome Plating Plating Thickness: 3µm or more	Plating Hardness: 750HV~	-		HFPS	
(6)	SUS440C Equivalent	-	Treated Hardness: 50~55HRC	CJPS		CFPS	

* For P Selectable Type, it is SUS304 equivalent.



(Round) $\phi 0.01$ A
 (Diamond) $\phi 0.01$ A
 $6.3 / (0.4 \sqrt{G})$
 (60°)
 $R0.2$
 $a=1.0$
 $d=P-0.2$
 Relief dimension is a reference value.

⚠ Polished, centering hole is sometimes not available for SUS304.
 ⚠ SUS440C Equivalent has an identification groove at any position on D part.
 ⚠ When D=P, relief is also applied.

RoHS 10

■ **P Selectable**

Type	Part Number	D	D dim. Tolerance g6	P Selection		L	B	m	M (Coarse)	*Tightening Torque N·cm	ℓ
				4	5						
JPS SJPS CJPS	TB (Round)	6	-0.004 -0.012	4	5	10	5	2	M3	147	5
		8	-0.005	6	7	15	6	3	M5	676	8
		10	-0.014	7	8	9	10	8	M5	676	8
		12	-0.006 -0.017	8	9	10	11	12	M5	676	8

■ **P, L, B Configurable**

Type	Part Number	D	D dim. Tolerance g6	P Selection			m	(W)	M (Coarse)	*Tightening Torque N·cm	ℓ
				0.01mm Increment	1mm Increment	0.1mm Increment					
FPS GFPS SFPS HFPS CFPS	TA (Round) TD (Diamond)	5	-	3.00~5.00	8~10	2.0~15.0(10.0)	2	1.2	M2	-	3
		6	-0.004 -0.012	4.00~6.00	8(9)~17	2.0~15.0					
		6T	-	4.00~6.00	8(9)~17	2.0~15.0	3	1.5	M2.6	-	4
		8	-	6.00~8.00	11(12)~21	2.0~30.0(15.0)					
		8T	-0.005	6.00~8.00	11(12)~21	2.0~30.0(15.0)	4	1.8	M4	333	6
		10	-0.014	7.00~10.00	11(12)~23	3.0~30.0(25.0)					
		10T	-	7.00~10.00	11(12)~23	3.0~30.0(25.0)	5	2.2	M4	333	6
		12	-	7.00~12.00	12~24	3.0~30.0(25.0)					
		12T	-	7.00~12.00	8(12)~18	3.0~30.0(25.0)	6	2.5	M4	333	6
		13	-0.006	8.00~13.00	13(14)~26	5.0~30.0(25.0)					
		13T	-0.017	8.00~13.00	10(14)~20	5.0~30.0(25.0)	7	3	M6	1156	9
		16	-	10.00~16.00	16~32	5.0~30.0					
		16T	-	10.00~16.00	10(14)~24	5.0~30.0	8	4	M8	2803	12
		20	-0.007	13.00~20.00	20~40	5.0~30.0					
		20T	-0.020	13.00~20.00	12(18)~30	5.0~30.0	9	5	M6	1156	9
					12(18)~30	5.0~30.0					

⚠ L, B dimensions in () are applicable to Diamond Shape. ⚠ Note the strength of under-head part. ⚠ P.1618 ⚠ Please confirm pilot hole depth on P.1618. Holes may go through. ⚠ Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".)

* Tightening torque (reference) is of Tightening Torque Strength Class (10.9) indicated on Technical Data P.2365. Not applicable when using locking materials or lock washers.

Ordering Example

Part Number: JPS TB 6 - 4

Type Shape D P L B

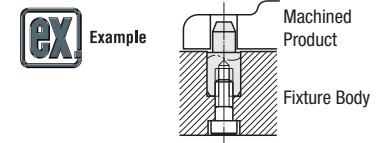
JPS TB 6 - 4

FPS TA 10 - P8.52 - L12 - B6.4

⚠ For products uncovered by e-Catalog Standard, see P.131.

■ (4) Price List for Large Qty. Order of SUS304 (301-500 pcs.)

D	Round Shape	Diamond Shape
	SFPSTA	SFPSTD
5		
6		
6T		
8		
8T		
10		
10T		
12		
12T		
13		
13T		
16		
16T		
20		
20T		



■ **P Selectable**

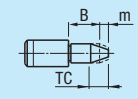
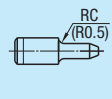
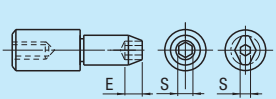
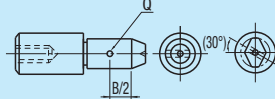
D	Unit Price Round Shape		
	(1)Treated SKS3 JPSTB	(4)SUS304 SJPSTB	(6)SUS440C CJPSTB
6			
8			
10			
12			

■ **P, L, B Configurable**

D	Unit Price Round Shape						Unit Price Diamond Shape					
	(1)Treated SKS3 FPSTA	(2)Hard SKS3 GFPSTA	(4)SUS304 SFPSTA	(5)Hard SUS304 HFPSTA	(6)SUS440C CFPSTA	(1)Treated SKS3 FPSTD	(2)Hard SKS3 GFPSTD	(4)SUS304 SFPSTD	(5)Hard SUS304 HFPSTD	(6)SUS440C CFPSTD		
5												
6												
6T												
8												
8T												
10												
10T												
12												
12T												
13												
13T												
16												
16T												
20												
20T												

Alterations

Part Number: FPSTA10 - P8.52 - L12 - B6.4 - TC7

Alterations	Length of Tapered Point	Sphere Tip	Hex Socket Machining	Wrench Hole Machining																																																																																												
	   																																																																																															
Code	TC	RC	RAC	LAC																																																																																												
Spec.	Changes the m dimension. Ordering Code TC8 (1mm increment) <table border="1"> <thead> <tr> <th>D</th> <th>TC</th> <th>D</th> <th>TC</th> </tr> </thead> <tbody> <tr><td>5</td><td>3~7</td><td>12</td><td>4~20</td></tr> <tr><td>6</td><td>3~9</td><td>13</td><td>4~21</td></tr> <tr><td>8</td><td>4~13</td><td>16</td><td>5~22</td></tr> <tr><td>10</td><td>4~16</td><td>20</td><td></td></tr> </tbody> </table>	D	TC	D	TC	5	3~7	12	4~20	6	3~9	13	4~21	8	4~13	16	5~22	10	4~16	20		Changes the relief to R0.5 Ordering Code RC ⚠ Applicable when D-P≥2. ⚠ Combination with LAC is not available.	Machines hex sockets. Ordering Code RAC <table border="1"> <thead> <tr> <th rowspan="2">D</th> <th colspan="2">Applicable Dimension</th> <th colspan="2">Hex Hole Dimensions</th> </tr> <tr> <th>P</th> <th>L</th> <th>E</th> <th>S</th> </tr> </thead> <tbody> <tr><td>8</td><td>8T</td><td>6.00~</td><td rowspan="2">6.0~</td><td rowspan="2">2</td></tr> <tr><td>10</td><td>10T</td><td>7.00~</td></tr> <tr><td>12</td><td>12T</td><td>7.00~</td><td rowspan="2">2.5</td><td rowspan="2">4</td></tr> <tr><td>13</td><td>13T</td><td>9.00~</td></tr> <tr><td>16</td><td>16T</td><td>10.00~</td><td rowspan="2">3</td><td rowspan="2">5</td></tr> <tr><td>20</td><td>20T</td><td>13.00~</td></tr> </tbody> </table>	D	Applicable Dimension		Hex Hole Dimensions		P	L	E	S	8	8T	6.00~	6.0~	2	10	10T	7.00~	12	12T	7.00~	2.5	4	13	13T	9.00~	16	16T	10.00~	3	5	20	20T	13.00~	Machines wrench holes. Ordering Code LAC <table border="1"> <thead> <tr> <th rowspan="2">D</th> <th colspan="2">Applicable Dimension</th> <th colspan="2">Wrench Hole Dimensions</th> </tr> <tr> <th>P</th> <th>B</th> <th>P</th> <th>Q</th> </tr> </thead> <tbody> <tr><td>8</td><td>8T</td><td>6.00~</td><td>6.00~9.99</td><td>2</td></tr> <tr><td>10</td><td>10T</td><td>7.00(8.00)~</td><td>10.00~15.99</td><td>3.5</td></tr> <tr><td>12</td><td>12T</td><td>7.00(8.00)~</td><td>5.0~</td><td>5</td></tr> <tr><td>13</td><td>13T</td><td>8.00~</td><td></td><td></td></tr> <tr><td>16</td><td>16T</td><td>10.00~</td><td></td><td></td></tr> <tr><td>20</td><td>20T</td><td>13.00~</td><td>10.0~</td><td></td></tr> </tbody> </table>	D	Applicable Dimension		Wrench Hole Dimensions		P	B	P	Q	8	8T	6.00~	6.00~9.99	2	10	10T	7.00(8.00)~	10.00~15.99	3.5	12	12T	7.00(8.00)~	5.0~	5	13	13T	8.00~			16	16T	10.00~			20	20T	13.00~	10.0~	
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