


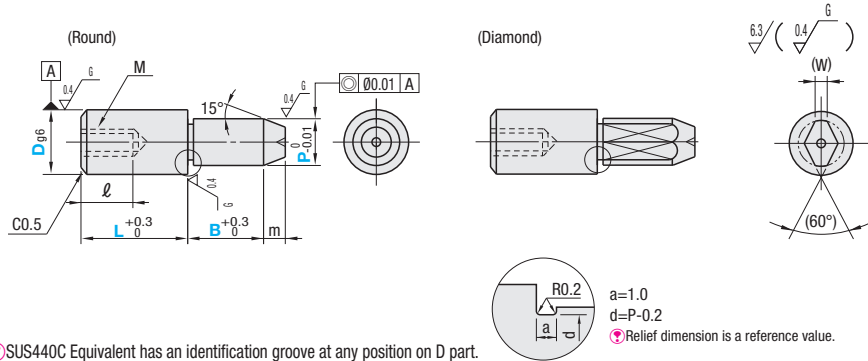
Locating Pins - Small Head, Tapered Tapped

■ **Features:** Small Head, Tapered with the shape designed to be mounted from back using bolts. Improved maintainability compared to the press fit type.



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



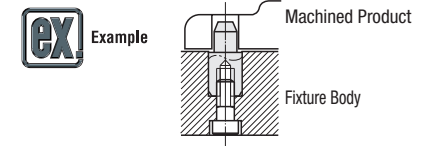
RoHS SUS440C Equivalent has an identification groove at any position on D part.

Ordering Example

Part Number	P	L	B
Type	JPS	TA	6
Shape	TA	10	P8.52
D	-	L12	B6.4

■ **P Selectable**

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



■ **P Configurable**

D	Unit Price Round Shape			Unit Price Diamond Shape		
	①SKS3 Hardened	②Hard SKS3	④SUS304	①SKS3 Hardened	②Hard SKS3	④SUS304
5	JPSTA	GJPSTA	SJPSTA	JPSTD	GJPSTD	SJPSTD
6						
6T						
8						
8T						
10						
10T						
12						
12T						
13						
16						
20						

■ **P Selectable**

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

■ **P Configurable**

Part Number		D	D dim. Tolerance g6	P 0.01mm Increment	L	B	m	(W)	M (Coarse)	Tightening Torque N·cm	ℓ
Type	Shape										
JPS GJPS SJPS	TA (Round) TD (Diamond)	5	-0.004	3.00~5.00	10	5	2	1.2	M2	-	3
		6	-0.012	4.00~6.00				1.5	M3	147	5
		6T	-0.012	4.00~6.00				M2.6	-	4	
		8	-0.005	6.00~8.00	15	6	3	1.8	M5	676	8
		8T	-0.014	6.00~8.00				M4	333	6	
		10	-0.006	7.00~10.00	22	8	4	2.2	M5	676	8
		12	-0.017	7.00~12.00				2.5			
		13	-0.017	8.00~13.00				3			
		16	-0.020	10.00~16.00	30	10	4	4	M8	2803	12
		20	-0.020	13.00~20.00				5			

■ **P, L, B Configurable**

Part Number		D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	m	(W)	M (Coarse)	Tightening Torque N·cm	ℓ
Type	Shape										
FPS GFPS SFPS HFPS CFPS	TA (Round) TD (Diamond)	5	-0.004	3.00~5.00	8~10	2.0~10.0	2	1.2	M2	-	3
		6	-0.012	4.00~6.00	8(9)~12	2.0~12.0		1.5	M3	147	5
		6T	-0.012	4.00~6.00	8(9)~12	2.0~12.0	M2.6	-	4		
		8	-0.005	6.00~8.00	11(12)~16	2.0~15.0	3	1.8	M5	676	8
		8T	-0.014	6.00~8.00	11(12)~20	3.0~20.0		2.2	M4	333	6
		10	-0.006	7.00~10.00	8(12)~16	3.0~20.0	4	2.5	M5	676	8
		10T	-0.017	7.00~12.00	12~24	3.0~20.0		M4	333	6	
		12	-0.017	8.00~13.00	13(14)~26	5.0~20.0	3	M5	676	8	
		12T	-0.017	8.00~13.00	10(14)~20	5.0~20.0		M8	2803	10	
		13	-0.017	10.00~16.00	16~32	5.0~20.0	4	4	M8	2803	12
		13T	-0.017	10.00~16.00	10(14)~24	5.0~20.0		M6	1156	9	
		16	-0.020	13.00~20.00	20~40	5.0~20.0	5	5	M8	2803	12
		16T	-0.020	13.00~20.00	12(18)~30	5.0~20.0		M6	1156	9	
		20	-0.020	13.00~20.00							
		20T	-0.020	13.00~20.00							

Alterations Part Number - P - L - B - (TC, RC, RAC, LAC) Alterations are not available for P Selectable Type.

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. D TC D TC 5 3~7 12 4~20 6 3~9 13 4~21 8 4~13 16 10 4~16 20 5~22 * B+m ≥ TC+2 (Straight Section min. 2mm) * P/2-TC × tan15° (=0.27) > 0.5 (Tip Ø1.0min.) * B dimension changes when TC is specified. (Changed B dimension = B+m-TC) * Combination with RAC and LAC is not available.	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>D</th> <th colspan="2">Applicable Dimensions</th> <th colspan="2">Hex Hole Dimensions</th> </tr> <tr> <th></th> <th>P</th> <th>L</th> <th>E</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>8 8T</td> <td>6.50~</td> <td>13~</td> <td rowspan="2">2</td> <td rowspan="2">3</td> </tr> <tr> <td>10 10T</td> <td>7.00~</td> <td></td> </tr> <tr> <td>12 12T</td> <td>9.00~</td> <td>15~</td> <td rowspan="2">2.5</td> <td rowspan="2">4</td> </tr> <tr> <td>13 13T</td> <td>10.00~</td> <td>17~</td> </tr> <tr> <td>16 16T</td> <td>13.00~</td> <td>22~</td> <td rowspan="2">4</td> <td rowspan="2">6</td> </tr> <tr> <td>20 20T</td> <td></td> <td></td> </tr> </tbody> </table> * Applicable to P, L, B Dimension Configurable Type only. * Round Shape is applicable to D ≥ 8, and Diamond Shape to D ≥ 10. * Combination with TC, LAC is not available.	D	Applicable Dimensions		Hex Hole Dimensions			P	L	E	S	8 8T	6.50~	13~	2	3	10 10T	7.00~		12 12T	9.00~	15~	2.5	4	13 13T	10.00~	17~	16 16T	13.00~	22~	4	6	20 20T			Machines wrench holes. Ordering Code LAC <table border="1"> <thead> <tr> <th>D</th> <th colspan="2">Applicable Dimensions</th> <th colspan="2">Wrench Hole Dimensions</th> </tr> <tr> <th></th> <th>P</th> <th>B</th> <th>P</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td>8 8T</td> <td>6.00~</td> <td></td> <td>6.00~9.99</td> <td>2</td> </tr> <tr> <td>10 10T</td> <td>7.00(8.00)~</td> <td></td> <td>10.00~15.99</td> <td>3.5</td> </tr> <tr> <td>12 12T</td> <td>7.00(8.00)~</td> <td>5.0~</td> <td>16.00~</td> <td>5</td> </tr> <tr> <td>13 13T</td> <td>8.00~</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16 16T</td> <td>10.00~</td> <td></td> <td></td> <td></td> </tr> <tr> <td>20 20T</td> <td>13.00~</td> <td>10.0~</td> <td></td> <td></td> </tr> </tbody> </table> * P dimension in () is applicable to Diamond Shape. * Round Shape is applicable to D ≥ 8, and Diamond Shape to D ≥ 10. * Orientation between Diamond Shape Head and Wrench Hole is arbitrary. * Combination with TC, RC, RAC is not available.	D	Applicable Dimensions		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~	16.00~	5	13 13T	8.00~				16 16T	10.00~				20 20T	13.00~	10.0~		
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Ⓛ dimension in () is applicable to Diamond Shape. * Note the strength of under-head part. P1566 * Please confirm pilot hole depth on P1566. 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) will be within Strength Class of Tightening Torque on Technical Data P.2297 (10.9). Not applicable when using locking materials or lock washers.