

Locating Pins - Sphere Large Head

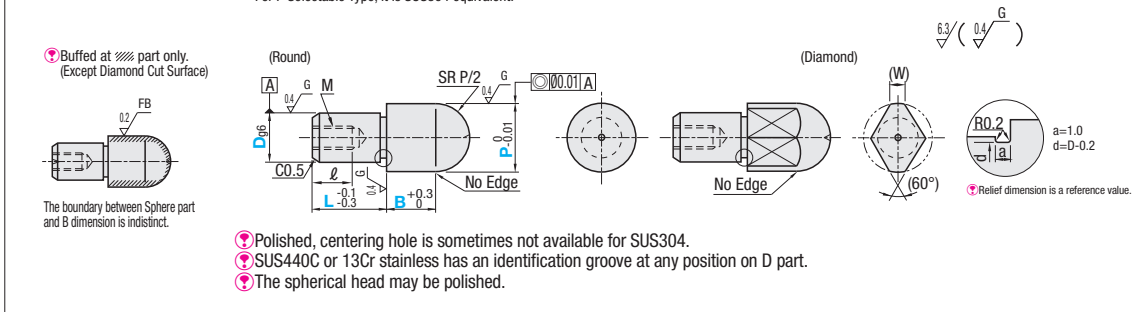
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For products uncovered by e-Catalog Standard, see P.131.

Features: Sphere Large Head 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	JPQT	BB (Round)	FPQT	A (Round) D (Diamond)
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50-55HRC / Plating Hardness: 750HV ~	-		GFPQT	
(3)	SUS304*	-	-	SJPQT		SFPQT	
(4)	SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	-		HFPQT	
(5)	SUS440C or 13Cr stainless	-	Treated Hardness: 50-55HRC	CJPQT		CFPQT	
(6)	SKS3 Equivalent	Buffing	Treated Hardness: 60-63HRC	-		MFPQT	
(7)	SKS3 Equivalent	Hard Chrome Plating + Buffing	Treated Hardness: 50-55HRC / Plating Hardness: 750HV ~	-		MGFPQT	
(8)	SUS440C or 13Cr stainless	Buffing	Treated Hardness: 50-55HRC	-		MCFPQT	

* For P Selectable Type, it is SUS304 equivalent.



P Selectable										
Type	Part Number	D	D dim. Tolerance g6	P Selection		L	B	M (Coarse)	*Tightening Torque N·cm	ℓ
JPQT SJPQT CJPQT	BB (Round)	6	-0.004 -0.012	7 8 9 10	10	8	M3	98	5	
		8	-0.005 -0.014	9 10 11 12 13	15					
		10	-0.006 -0.017	11 12 13 15		10	M5	461		
		12	-0.006 -0.017	15 16						22
		16	-0.006 -0.017	18 19 20 24 25						

P, L, B Configurable											
Type	Part Number	D	D dim. Tolerance g6	P	L	B	M (Coarse)	*Tightening Torque N·cm	ℓ	(W)	
FPQT GFPQT SFPQT HFPQT CFPQT (Buff Finished) MFPQT MGFPQT MCFPQT	A (Round) D (Diamond)	5	-0.004 -0.012	5.50~8.00	5(9)~10	1.5~15.0(12.0)	M2	-	3	2.2	
		6		6.50~10.00	6(9)~12	1.5~15.0(12.0)	M3	98	5		
		6T	-0.005 -0.014	8.50~15.00	8(12)~16	1.5~30.0(15.0)	M2.6	-	4	3.5	
		8									8(12)~16
		8T									6(12)~16
		10	-0.006 -0.017	11.00~17.00	10(12)~20	3.0~30.0(20.0)	M5	461	8	4	
		10T									6(12)~16
		12	-0.006 -0.017	13.00~18.00	8(12)~18	3.0~30.0(20.0)	M4	225	6	5	
		12T									12~24
		13									8(14)~20
		13T	-0.006 -0.017	14.00~20.00	13(14)~26	5.0~30.0(20.0)	M8	1911	10	5.5	
		16									8(14)~20
		16T	-0.007 -0.020	17.00~27.00	16~32	5.0~30.0(27.0)	M8	1911	12	7	
		20									10(14)~24
		20T									20~40
				22.00~30.00	12(18)~30	5.0~30.0	M6	784	9		

Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".) L, B dimensions in () are applicable to Diamond Shape. Please confirm pilot hole depth on P.1618. Holes may go through. Note the strength of under-head part. P.1618. *The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P.2365.) Not applicable when using locking materials or lock washers.

Ordering Example: Part Number - P - L - B
 JPQTBB6 - 9 - L10 - B5.0
 MFPQTA6 - P10.00 - L10 - B5.0

P Selectable			
D	Unit Price	Round Shape	
6	JPQTBB	SJPQTBB	CJPQTBB
8			
10			
12			
16			

(3) Price List for Large Qty. Order of SUS304 (301-500 pcs.)		
D	Round Shape	Diamond Shape
5	SFPQTA	SFPQTD
6		
6T		
8		
8T		
10		
10T		
12		
12T		
13		
13T		
16		
16T		
20		
20T		

P, L, B Configurable																
D	Unit Price Round Shape								Unit Price Diamond Shape							
	(1)Treated SKS3	(2)Hard SKS3	(3)SUS304	(4)Hard SUS304	(5)SUS440C or 13Cr stainless	(6)Treated SKS3 + Buffing	(7)Hard SKS3 + Buffing	(8)SUS440C or 13Cr stainless + Buffing	(1)Treated SKS3	(2)Hard SKS3	(3)SUS304	(4)Hard SUS304	(5)SUS440C or 13Cr stainless	(6)Treated SKS3 + Buffing	(7)Hard SKS3 + Buffing	(8)SUS440C or 13Cr stainless + Buffing
5	FPQTA	GFPQTA	SFPQTA	HFPQTA	CFPQTA	MFPQTA	MGFPQTA	MCFPQTA	FPQTD	GFPQTD	SFPQTD	HFPQTD	CFPQTD	MFPQTD	MGFPQTD	MCFPQTD
6																
6T																
8																
8T																
10																
10T																
12																
12T																
13																
13T																
16																
16T																
20																
20T																

Alterations Example: Part Number - P - L - B - (RC, LAC, SC)
 FPQTA6 - P10.00 - L10 - B5 - RC
 Alterations are not available for P Selectable Type. Combination with RC, LAC or SC is not available.

Alteration	Sphere Tip	Wrench Hole Machining	Wrench Flats
	RC	LAC	SC
Code	RC	LAC	SC
Spec.	Changes the relief to R0.5. (Ordering Code) RC. Applicable when P-D≥2.	Machines wrench holes. (Ordering Code) LAC. Diamond Shape Hole is drilled on the diamond head vertically but with arbitrary orientation of their diamond surfaces against those of the diamond head. Applicable when Q+1.5≤B.	SC = 1mm Increment. P-3≤SC≤P-1, SC≥D. When B≤11, adds wrench flats on the tip.