

Locating Pins - Sphere Small Head

Press Fit

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

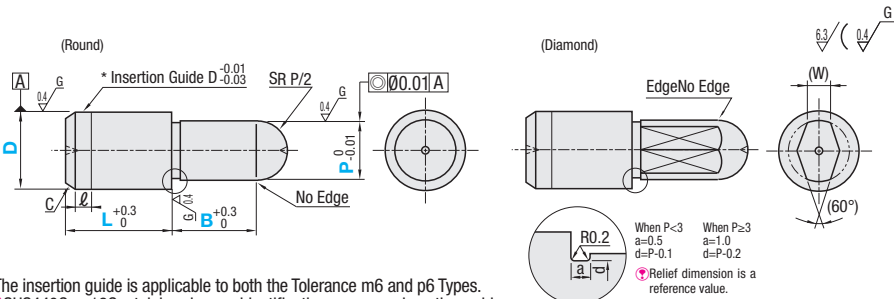
Features: The Sphere Head can prevent the mating material from being scratched even when you insert by sliding horizontally against the pin end.



RoHS 10

Material No.	Material	Surface Treatment	Hardness	P Selectable		P, L, B Configurable		
				Type	D Tolerance and Shape	Type	D Tolerance and Shape	
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	JPQ	<Round> SB (m6) SPB (p6)	FPQ	<Round> SA (m6) SPA (p6)	
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50~55HRC / Plating Hardness: 750HV ~	-		SJPQ	GFPQ	<Diamond> SD (m6) SPD (p6)
(3)	SUS304*	-	-	-		-	SFPQ	-
(4)	SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	-		-	HFPQ	-
(5)	SUS440C or 13Cr stainless	-	Treated Hardness: 50~55HRC	-		-	CFPQ	-
(6)	SKS3 Equivalent	Buffing	Treated Hardness: 60~63HRC	-		-	MFPQ	-

* For P Selectable Type, it is SUS304 equivalent.



- * The insertion guide is applicable to both the Tolerance m6 and p6 Types.
- ① SUS440C or 13Cr stainless has an identification groove on insertion guide.
- ② Polished, centering hole is sometimes not available for SUS304.
- ③ When the P dimension is small, a centering hole will cause the sphere section to become small.
- ④ When D=P, relief is also applied.
- ⑤ The spherical head may be polished.
- ⑥ Locating Pins for Height Adjusting with shorter B fixed dimension is also available. P.1669

P Selectable

Type	Part Number		D	D dim. Tolerance		P Selection	L	B	C	l
	D Tolerance and Shape	Shape		m6	p6					
JPQ SJPQ	<Round> SA (m6) SPA (p6)	SB (m6) SPB (p6)	2	+0.008	+0.012	1 1.5	4	2	0.3	0
			3	+0.002	+0.006	2	5	3	0.5	1
			4	+0.012	+0.020	2 3	10	5	1	
			5	+0.004	+0.012	2 3 4				
			6	+0.012	+0.012	2 3 4 5				

P, L, B Configurable

Type	Part Number		D	D dim. Tolerance		P			C	l	(W)						
	D Tolerance and Shape	Shape		m6	p6	0.01mm Increment	1mm Increment	0.1mm Increment									
FPQ GFPQ SFPQ HFPQ CFPQ (Buff Finished) MFPQ	<Round> SA (m6) SPA (p6)	SD (m6) SPD (p6)	2	+0.008	+0.012	1.00~2.00	2~5	2.0~10.0	0.3	0	-						
			3	+0.002	+0.006	1.00~3.00	3~10	2.0~10.0	0.5	1							
			4	+0.012	+0.020	1.50(2.00)~4.00	4~10	2.0~10.0	2								
			5	+0.004	+0.012	2.00~5.00	5~10	2.0~15.0(10.0)				3					
			6	+0.015	+0.024	2.00~6.00	5~17	2.0~15.0					4				
			8	+0.006	+0.015	3.00~8.00	8~21	2.0~20.0(15.0)						5			
			10	+0.018	+0.029	3.00~10.00	10~23	3.0~20.0							6		
			12	+0.007	+0.018	5.00~12.00	12~24	3.0~30.0(25.0)								7	
			13	+0.018	+0.029	6.00~13.00	13~26	5.0~30.0(25.0)									8
			16	+0.007	+0.018	10.00~16.00	16~32	5.0~30.0									
20	+0.021	+0.035	13.00~20.00	20~40	5.0~30.0	10											

P, B dimensions in () are applicable to Diamond Shape.

Ordering Example	Part Number	Type	Shape	D	P	L	B
	JPQ SB 4 - 2	JPQ	SB	4	-	2	
	FPQ SA 4 - P2.01 - L6 - B5.5	FPQ	SA	4	-	P2.01	- L6 - B5.5

P Selectable

D	Unit Price Round Shape	
	(1)Treated SKS3 JPQSB JPQSPB	(3)SUS304 SJPQSB SJPQSPB
2		
3		
4		
5		
6		

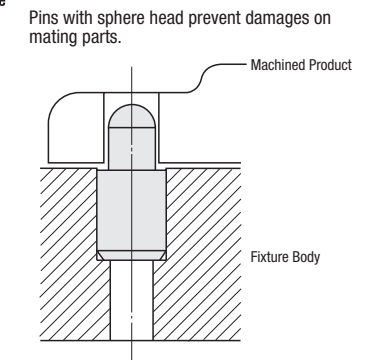
P, L, B Configurable

D	Unit Price Round Shape						Unit Price Diamond Shape					
	(1)Treated SKS3 FPQSA FPQSPA	(2)Hard SKS3 GFPQSA GFPQSPA	(3)SUS304 SFPQSA SFPQSPA	(4)Hard SUS304 HFPQSA HFPQSPA	(5)SUS440C or 13Cr stainless CFPQSA CFPQSPA	(6)Treated SKS3 + Buffed MFPQSA MFPQSPA	(1)Treated SKS3 FPQSD FPQSPD	(2)Hard SKS3 GFPQSD GFPQSPD	(3)SUS304 SFPQSD SFPQSPD	(4)Hard SUS304 HFPQSD HFPQSPD	(5)SUS440C or 13Cr stainless CFPQSD CFPQSPD	(6)Treated SKS3 + Buffed MFPQSD MFPQSPD
2												
3												
4												
5												
6												
8												
10												
12												
13												
16												
20												

Alterations Part Number - P - L - B - (RC)
FPQSA4 - P2.00 - L6 - B5.5 - RC

Example

Alteration	Sphere Tip
Code	RC
Spec.	Changes the relief to R0.5 (Ordering Code) RC ① Applicable when D-P≥2.



Pins with sphere head prevent damages on mating parts.

Fixture Body