

# Locating Pins - Sphere Large Head

## Press Fit

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

(Buff Finished)

**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> B (m6) PB (p6)	FPQ	<Round> A (m6) PA (p6)	
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50~55HRC / Plating Hardness: 750HV ~	-		GFPQ		<Diamond> D (m6) PD (p6)
(3)	SUS304*	-	-	SJPQ		SFPQ		
(4)	SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	-		HFPQ		
(5)	SUS440C or 13Cr stainless	-	Treated Hardness: 50~55HRC	CJPQ		CFPQ		
(6)	SKS3 Equivalent	Buffing	Treated Hardness: 60~63HRC	-		MFPQ		
(7)	SKS3 Equivalent	Hard Chrome Plating + Buffing	Treated Hardness: 50~55HRC / Plating Hardness: 750HV ~	-		MGFPQ		
(8)	SUS440C or 13Cr stainless	Buffing	Treated Hardness: 50~55HRC	-		MCFPQ		

\* For P Selectable Type, it is SUS304 equivalent.

**(Round)**

⚙️ Buffed at  $\text{///}$  part only. (Except Diamond Cut Surface)

The boundary between Sphere part and B dimension is indistinct.

**(Diamond)**

No Edge

⚙️ Locating Pins for Height Adjusting with shorter B fixed dimension is also available.

**P.1669**

### P Selectable

Type	Part Number		D	D Tol.		P Selection	L	B	C	ℓ
	D Tolerance and Shape			m6	p6					
<b>JPQ</b> <b>SJPQ</b> <b>CJPQ</b>	<Round> B (m6) PB (p6)	1			2	3	3	0.1	0	
		2	+0.008	+0.012	3 4	4	5	0.5		
		3	+0.002	+0.006	4 5 6	5	6			
		4			5 6 7	10	8			
		5	+0.012	+0.020	6 7 8	1	9	1		
		6	+0.004	+0.012	7 8 9 10		10	1.5		
		8	+0.015	+0.024	9 10 11 12		15	2		
		10	+0.006	+0.015	12 13					

### P, L, B Configurable

Type	Part Number		D	D Tol.		P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	ℓ	(W)
	D Tolerance and Shape			m6	p6						
<b>FPQ</b> <b>GFPQ</b> <b>SFPQ</b> <b>HFPQ</b> <b>CFPQ</b>	<Round> A (m6) PA (p6)	1			1.50~3.00(2.50)	2, 3	1.5~5.0	0.1	0	-	
		2	+0.008	+0.012	2.50~6.00(4.00)	2~6	1.5~15.0(10.0)	0.5		1.2	
		3	+0.002	+0.006	3.50~8.00	3~10	1.5~15.0(10.0)			1.5	
		4	+0.012	+0.020	4.50~8.00	3(4)~14	1.5~15.0(10.0)	1	1.8		
		5	+0.004	+0.012	5.50~10.00	5~15	1.5~15.0(10.0)		2.2		
		6			6.50~10.00	5~15	1.5~30.0(15.0)		3.0		
		8	+0.015	+0.024	8.50~15.00	5(6)~16	1.5~30.0(15.0)	1.5	3.5		
		10	+0.006	+0.015	11.00~17.00	5(10)~20	3.0~30.0(25.0)		4.0		
		12			13.00~18.00	6(10)~24	3.0~30.0(25.0)		5.0		
		13	+0.018	+0.029	14.00~20.00	7(12)~26	5.0~30.0(25.0)	2	5.5		
		16	+0.007	+0.018	17.00~27.00	8(15)~32	5.0~30.0		7.0		
		20	+0.021	+0.035	22.00~30.00	10(15)~40	5.0~30.0		9.0		

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