Locating Pins - Sphere Large Head

Tapped

Features: Sphere Large Head with the shape designed to be mounted from back using bolts. Improved maintainability compared to Press Fit Type.

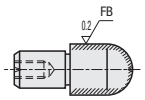
(Buff Finished)

RoHS10

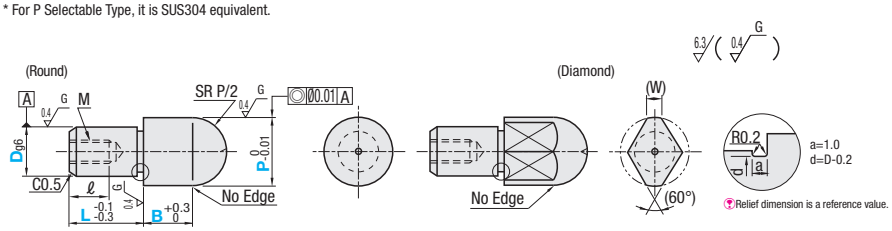
Material No.	M Material	S Surface Treatment	H Hardness	P Selectable Type	P Selectable Shape Code	P, L, B Configurable Type	P, L, B Configurable Shape Code
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	JPQT	BB (Round)	FPQT	A (Round) D (Diamond)
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 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.

Buffed at ▨ part only. (Except Diamond Cut Surface)



The boundary between Sphere part and B dimension is indistinct.



Relief dimension is a reference value.

Polished, centering hole is sometimes not available for SUS304.
SUS440C or 13Cr stainless has an identification groove at any position on D part.
The spherical head may be polished.

P Selectable

Part Number Type		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	M5	461	8
		10		11 12 13 15					
		12	-0.006 -0.017	15 16					
		16		18 19 20 24 25	22		M8	1911	12

P, L, B Configurable

Part Number Type		D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	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	3
		6T					M2.6	-	4	
		8	-0.005 -0.014	8.50~15.00	8(12)~16	1.5~30.0(15.0)	M5	461	8	3.5
		8T			6(12)~16		M4	225	6	
		10		11.00~17.00	10(12)~20	3.0~30.0(20.0)	M5	461	8	4
		10T			6(12)~16		M4	225	6	
		12	-0.006 -0.017	13.00~18.00	12~24	3.0~30.0(20.0)	M5	461	8	5
		12T			8(12)~18		M4	225	6	
		13		14.00~20.00	13(14)~26	5.0~30.0(20.0)	M8	1911	10	5.5
		13T			8(14)~20		M6	784	9	
		16		17.00~27.00	16~32	5.0~30.0(27.0)	M8	1911	12	7
		16T			10(14)~24		M6	784	9	
		20	-0.007 -0.020	22.00~30.00	20~40	5.0~30.0	M8	1911	12	9
		20T			12(18)~30		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.
Note the strength of under-head part. P.1618

Please confirm pilot hole depth on P.1618. Holes may go through.

* 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.