


Locating Pins - Large Head, Round Tapered

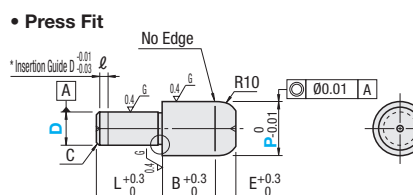
Press Fit / Tapped / Threaded

■ Features: Small boundary between insertion guide and locating parts ("No Edge" in diagram) prevents damage of locating target. Buff finished products with enhanced appearance and slide are also available.

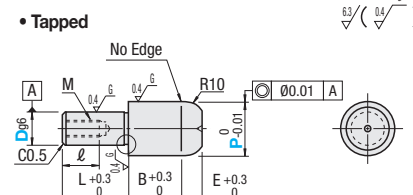


Material No.	Material	Surface Treatment	Hardness	Type	D Tolerance and Shape Code
①	SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	JPRB	B (Press Fit, m6) PB (Press Fit, p6) TB (Tapped) NB (Threaded)
②	SKS3 Equivalent	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GJPRB	
③	SUS304	-	-	SJPRB	
④	SUS40C Equivalent	-	Treated Hardness: 50 ~ 55HRC	CJPRB	
⑤	SKS3 Equivalent	Buffing	Treated Hardness: 60 ~ 63HRC	MJPRB	

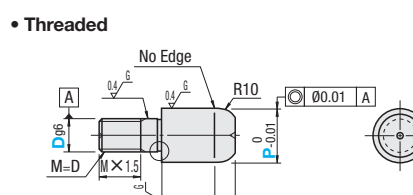
• Press Fit

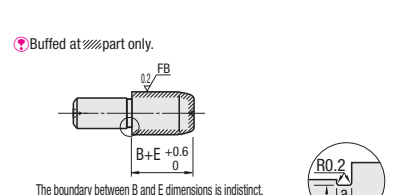


• Tapped



• Threaded





* The insertion guide is applicable to tolerance p6 only.
 * SUS40C Equivalent has an identification groove at any position on D part.
 * Polished, centering hole is sometimes not available for SUS304.
 When D<3 a=0.5 d=D-0.1 When D≥3 a=1.0 d=D-0.2
 * Buffed at part only.
 * Relief dimension is a reference value.

Ordering Example

Part Number	P
Type	Shape
JPRB	B
MJPRB	TB
10	12
12	16

■ Press Fit

D	Unit Price				
	①SKS3 Hardened JPRBB	②Hard SKS3 GJPRBB	③SUS304 SJPRBB	④SUS40C Equivalent CJPRBB	⑤SKS3 Hardened + Buffed MJPRBB
2					
3					
4					
5					
6					
8					
10					
12					
13					
16					
20					

■ Tapped


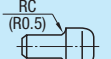
D	Unit Price				
	①SKS3 Hardened JPRBT	②Hard SKS3 GJPRBT	③SUS304 SJPRBT	④SUS40C Equivalent CJPRBT	⑤SKS3 Hardened + Buffed MJPRBT
6					
6T					
8					
8T					
10					
12					
13					
16					
20					

Alterations

Part Number	P	(DRC, RC)
JPRBB10	12	RC

■ Threaded

D	Unit Price				
	①SKS3 Hardened JPRBNB	②Hard SKS3 GJPRBNB	③SUS304 SJPRBNB	④SUS40C Equivalent CJPRBNB	⑤SKS3 Hardened + Buffed MJPRBNB
3					
4					
5					
6					
8					
10					
12					
16					
20					

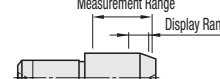
Alteration	Screwdriver Slot	Sphere Tip
		
Code	DRC	RC
Spec.	Width 0.8mm Depth 1mm *Applicable to Threaded only.	Changes the relief to R0.5. Ordering Code RC *Applicable when P-D≥2

■ Surface Shape Measurement Result (Reference)

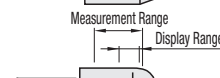
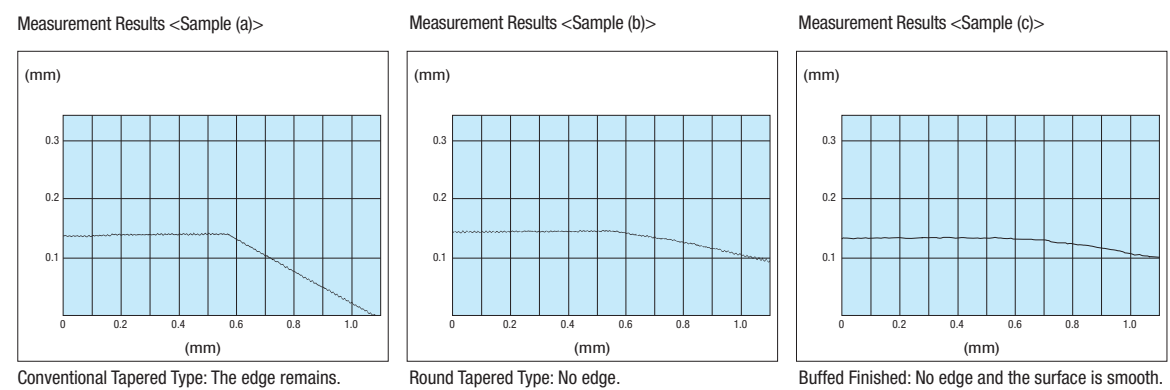
<Test Name> Surface Shape Measurement
 <Measuring Instrument> Tokyo Seimitsu SURFCOM1800D-22
 <Sample> (a) JPB8-12 (P1575 Large Head, Tapered)
 (b) JPRBB8-12 (Large Head, Round Tapered Non Buff Finished)
 (c) MJPRBB8-12 (Large Head, Round Tapered Buff Finished Product)

<Test Conditions>
 • Measurement Length 12mm
 • Measurement Pitch 0.001mm
 • Measurement Speed 0.6mm/S

<Measuring Part> Sample (a)



Sample (b) (c)

■ Press Fit

Type	Shape Code	Part Number		P Selection	L	B	C	E	ℓ	
		D	d dim. Tolerance							
JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB	B (m6) PB (p6)	2	+0.008	+0.012	3 4	4	3	0.5	3	0
		3	+0.002	+0.006	4 5 6	5	5			
		4			5 6	10	6	1	4	
		5	+0.012	+0.020	6 8	10	8	1.5	5	
		6	+0.004	+0.012	8 10	15	10			
		8	+0.015	+0.024	10 12 13	15	12			
		10	+0.006	+0.015	12 13 15	22	13			
		12	+0.018	+0.029	13 15 16	22	15			
		13	+0.007	+0.018	15 16	30	16			
		16	+0.021	+0.035	20 25	30	20			
20	+0.008	+0.022	25 30	30	25					

■ Tapped

Type	Shape Code	Part Number		P Selection	L	B	E	M (Coarse)	*Tightening Torque N-cm	ℓ	
		D	D dim. Tolerance g6								
JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB	TB	6	-0.016	8 10	10	8	5	M3	147	5	
		6T			8 10	10	8	5	M2.6	-	4
		8			10 12 13	15	10		M5	676	8
		8T	-0.019		10 12 13	15	10		M4	333	6
		10			12 13 15	15	10		M5	676	8
		12			13 15 16	22	12		M5	676	8
		13	-0.023		15 16	22	13		M8	2803	12
		16			20 25	22	16		M8	2803	12
		20	-0.027		25 30	30	20		M8	2803	12
		30			25 30	30	30		M8	2803	12

* Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T").
 * Note the strength of under-head portion. P.1566 * Please confirm pilot hole depth on P.1566. Holes may go through.
 * 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.

■ Threaded

Type	Shape Code	Part Number		P Selection	L	B	E	M (Coarse)	*Tightening Torque N-cm
		D	D dim. Tolerance g6						
JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB	NB	3	-0.01	4 5 6	5	5	3	M3	147
		4		5 6	5	6	4	M4	333
		5	-0.016	6 8	10	6	4	M5	676
		6		8 10	10	8	5	M6	1156
		8		10 12 13	15	10	5	M8	2803
		10	-0.019	12 13 15	15	10	6	M10	5557
		12		13 15 16	22	12	6	M12	9702
		16	-0.023	20 25	22	16	7	M16	24108
		20	-0.027	25 30	30	20	7	M20	46942
		30		25 30	30	30	7	M20	46942

* 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.