



Locating Pins - Spherical Large Head

Standard

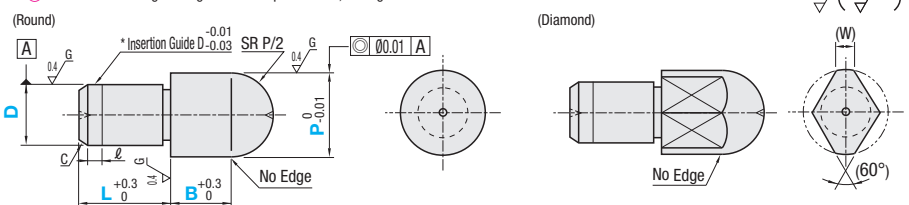



(Buff Finished)

Material No.	Material	Surface Treatment	Hardness	P Selectable		P Configurable		P, L, B Configurable	
				Type	D Tolerance and Shape	Type	D Tolerance and Shape	Type	D Tolerance and Shape
①	01 Tool Steel	-	Treated Hardness: 60~63HRC	JPQ	<Round> B (m6) PB (p6)	JPQ	<Round> A (m6) PA (p6)	FPQ	<Round> A (m6) PA (p6)
②	01 Tool Steel	Hard Chrome Plating	Hardness: 50~55HRC	-		GJPQ		GFPQ	
③	304 Stainless Steel	-	-	SJPQ		SJPQ		SFPQ	
④	304 Stainless Steel	Hard Chrome Plating	-	-		HJPQ		HFPQ	
⑤	440C Stainless Steel	-	Treated Hardness: 50~55HRC	CJPQ		CJPQ		CFPQ	
⑥	01 Tool Steel	Buffed Surface	Treated Hardness: 60~63HRC	-		MJPQ		MFPQ	
⑦	01 Tool Steel	Hard Chrome Plated + Buffed Surface	Hardness: 50~55HRC	-		MGJPQ		MGFPQ	
⑧	440C Stainless Steel	Buffed Surface	Treated Hardness: 50~55HRC	-		MCJPQ		MCFPQ	

Some combinations are not available. Refer to the price list to select the available combination.

Hard Chrome Plating: Plating Thickness 3µm or more, Plating Hardness 750HV ~



Round (Left): Dimensions include D, L, B, C, l, W, and surface finish symbols. Features include SR P/2, Insertion Guide D-0.03, and No Edge.

Diamond (Right): Dimensions include D, L, B, C, l, W, and a 60° angle. Features include No Edge and a 6.3 / (0.4) G surface finish.

* The insertion guide is applicable to tolerance p6 only.

440C Stainless Steel has an identification groove on D part.

Polished, centering hole is sometimes not available for 304 Stainless Steel.

When the P dimension is small, a centering hole will cause the spherical section to become small.

The spherical head may be polished.

Locating Pins for Height: Adjusting with shorter B fixed dimension is also available. P.1384

P Selectable										
Type	D Tolerance and Shape	Part Number		D Tol.		P	L	B	C	l
		D	D Tol.	m6	p6					
JPQ SJPQ CJPQ	<Round> B (m6) PB (p6)	1		2		3	3	0.1		0
		2	+0.008	+0.012	3 4	4	3	0.5		
		3	+0.002	+0.006	4 5 6	5	5			
		4			5 6 7	10	6	1		
		5	+0.012	+0.020	6 7 8	15	8	1.5		
		6	+0.004	+0.012	7 8 9 10	20	10	2		
		8	+0.015	+0.024	9 10 11 12		15	8	1.5	
		10	+0.006	+0.015	12 13		10	2		

P Configurable											
Type	D Tolerance and Shape	Part Number		D Tol.		P 0.01mm Increment	L	B	C	l (W)	
		D	D Tol.	m6	p6						
JPQ GJPQ SJPQ HJPQ CJPQ (Buff Finished) MJPQ MGJPQ MCJPQ	<Round> A (m6) PA (p6) <Diamond> D (m6) PD (p6) Applicable when D≥2.	1	+0.008	+0.012		1.50~ 2.50	3	3	0.1	0	-
		2	+0.002	+0.006		2.50~ 4.00	4	3	0.5		1.2
		3				3.50~ 6.00	5	5			1.5
		4	+0.012	+0.020		4.50~ 7.00	10	6	1		1.8
		5	+0.004	+0.012		5.50~ 8.00	15	8	1.5		2.2
		6				6.50~ 10.00	20	10	2		3.0
		8	+0.015	+0.024		9.00~ 13.00	30	15	3		3.5
		10	+0.006	+0.015		11.00~ 15.00		10	2		4.0
		12	+0.018	+0.029		13.00~ 16.00		10	2		5.0
		13	+0.007	+0.018		14.00~ 18.00		22	3		5.5
16				17.00~ 25.00					7.0		
20	+0.021	+0.035		22.00~ 30.00					9.0		

P, L, B Configurable											
Type	D Tolerance and Shape	Part Number		D Tol.		P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	l (W)	
		D	D Tol.	m6	p6						
FPQ GFPQ SFPQ HFPQ CFPQ (Buff Finished) MFPQ MGFPQ MCFPQ	<Round> A (m6) PA (p6) <Diamond> D (m6) PD (p6) Applicable when D≥2.	1	+0.008	+0.012		1.50~2.50	2, 3	2.0~ 5.0	0.1	0	-
		2	+0.002	+0.006		2.50~4.00	2~6	2.0~10.0		0.5	1.2
		3				3.50~6.00	3~6	2.0~10.0			1.5
		4	+0.012	+0.020		4.50~7.00	4~8	2.0~10.0			1.8
		5	+0.004	+0.012		5.50~8.00	5~10	2.0~10.0		1	2.2
		6				6.50~10.00	6~12	2.0~12.0			3.0
		8	+0.015	+0.024		9.00~13.00	8~16	2.0~15.0		1.5	3.5
		10	+0.006	+0.015		11.00~15.00	10~20	3.0~20.0			4.0
		12	+0.018	+0.029		13.00~16.00	12~24	3.0~20.0		2	5.0
		13	+0.007	+0.018		14.00~18.00	13~26	5.0~20.0			5.5
16				17.00~25.00	16~32	5.0~20.0		3	7.0		
20	+0.021	+0.035		22.00~30.00	20~40	5.0~20.0			9.0		

Ordering Example

Part Number: P - L - B

Type: JPQ, D Tol. Shape: A, D: 4 - 5.00

FPQ, A: 4 - P5.00 - L5 - B2.5

MFPQ, PA: 12 - P15.98 - L12 - B5.5

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

P Selectable			
D	Unit Price Round Shape		
	①01 Tool Steel Hardened	③304 Stainless Steel	⑤440C Stainless Steel
1	JPQB JPQPB	SJPQB SJPQPB	CJPQB CJPQPB
2			
3			
4			
5			
6			
8			
10			

P Configurable																
D	Unit Price Round Shape								Unit Price Diamond Shape							
	①01 Tool Steel Hardened	②01 Tool Steel Hardened	③304 Stainless Steel	④Hard 304 Stainless Steel	⑤440C Stainless Steel	⑥01 Tool Steel Hardened + Buffed	⑦01 Tool Steel Hardened + Buffed	⑧440C Stainless Steel + Buffed	①01 Tool Steel Hardened	②01 Tool Steel Hardened	③304 Stainless Steel	④Hard 304 Stainless Steel	⑤440C Stainless Steel Hardened + Buffed	⑥01 Tool Steel Hardened + Buffed	⑦01 Tool Steel Hardened + Buffed	⑧440C Stainless Steel + Buffed
1	JPQA JPQPA	GJQA GJPQA	SJQA SJPQA	HJQA HJPQA	CJQA CJPQA	MJQA MJPQA	MGJQA MGJPQA	MCJQA MCJQA	JPQD	GJPQD	SJPQD	HJPQD	CJPQD	MJPQD	MGJPQD	MCJPQD
2																
3																
4																
5																
6																
8																
10																
12																
13																
16																
20																

P, L, B Configurable																
D	Unit Price Round Shape								Unit Price Diamond Shape							
	①01 Tool Steel Hardened	②01 Tool Steel Hardened	③304 Stainless Steel	④Hard 304 Stainless Steel	⑤440C Stainless Steel	⑥01 Tool Steel Hardened + Buffed	⑦01 Tool Steel Hardened + Buffed	⑧440C Stainless Steel + Buffed	①01 Tool Steel Hardened	②01 Tool Steel Hardened	③304 Stainless Steel	④Hard 304 Stainless Steel	⑤440C Stainless Steel Hardened + Buffed	⑥01 Tool Steel Hardened + Buffed	⑦01 Tool Steel Hardened + Buffed	⑧440C Stainless Steel + Buffed
1	FPQA FPQPA	GFQA GFQPA	SFQA SFQPA	HFQA HFQPA	CFQA CFQPA	MFQA MFQPA	MGFQA MGFPQA	MGFQA MGFPQA	FPQD	GFQPD	SFQPD	HFQPD	CFQPD	MFQPD	MGFPQD	MGFPQD
2																
3																
4																
5																
6																
8																
10																
12																
13																
16																
20																

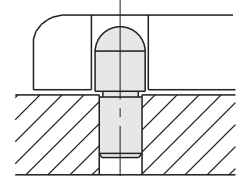
Alterations

Part Number: P - L - B - (RC)

FPQA4 - P6.50 - L5 - B2.5 - RC

Alterations are not available for P Selectable Type.

Example



Pins with spherical head prevent damages on mating parts.

Spherical Tip	
Alteration	RC (R0.5)
Code	RC
Spec.	Changes the relief to R0.5. Ordering Code: RC Applicable when P-D≥2.
Price Adder	