



# Locating Pins (Spherical Small Head) Tapped Shank

Locating Pins / Bushings for Locating Pins

Ⓛ D=5 is now available for Configurable Type.

**Locating Pins – Spherical Small Head / Tapped Shank**

Material No.	Material	Surface Treatment	Hardness	P Selectable		P Configurable		P, L, B Configurable	
				Type	Shape Code	Type	Shape Code	Type	Shape Code
(1)	O1 Tool Steel Equivalent	—	Treated Hardness: 60–63 HRC min.	JPQS	TB Round	JPQS	TA Round	FPQS	TA Round
(2)		Hard Chrome Plating	Hardness: 50–55HRC min. Plating Hardness 750 HV min.	—		GJPQS		TD	
(3)	304 Stainless Steel Equivalent	—	—	SJPQS	TD Diamond	SJPQS	TD Diamond	SFPQS	TD Diamond
(5)	440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	—		CJPQS		CFPQS	

**Round**

**Diamond**

Ⓛ 440C or 420 Stainless Steel has an identification groove on D part.  
 Ⓛ When the P dimension is small, a centering hole will cause the spherical section to become small.  
 Ⓛ Locating Pins for Height Adjusting with shorter B fixed dimension is also available. P.1616

## P Selectable

Type	Shape	Part Number		P	L	B	M (Coarse)	ℓ
		D	D Tolerance g6					
JPQS SJPQS	TB Round	6	-0.004 -0.012	4 5	10	5	M3	5
		8	-0.005 -0.014	6 7				
		10	-0.006 -0.017	7 8	15	6	M5	8
		13		8 10				
		16		10				

## P Configurable

Type	Shape	Part Number		P 0.01 mm Increment	L	B	M (Coarse)	ℓ	(W)		
		D	D Tolerance g6								
JPQS GJPQS SJPQS CJPQS	TA Round	5	-0.004 -0.012	3.00–5.00	10	5	M2	3	1.2		
		6		4.00–6.00			M3	5	1.5		
		6T					M2.6	4			
		8	-0.005 -0.014	6.00–8.00	M5	8	1.8				
		8T									
		10	-0.006 -0.017	7.00–10.00	15	6	M4	6	2.2		
	12		7.00–12.00								
	13		8.00–13.00								
	16		10.00–16.00	22	8	M5	8	2.5			
	20	-0.007 -0.020	13.00–20.00						M8	12	3

# Locating Pins (Spherical Small Head) Tapped Shank, *continued*

## P, L & B Configurable

Type	Shape	Part Number		P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	M (Coarse)	ℓ	(W)
		D	D Tol. g6						
FPQS GFPQS SFPQS CFPQS	TA Round	5	-0.004 -0.012	3.00–5.00	8–10	2.0–15.0 (10.0)	M2	3	1.2
		6		4.00–6.00			M3	5	1.5
		6T					M2.6	4	
		8	-0.005 -0.014	6.00–8.00	11 (12)–21	2.0–30.0 (15.0)	M5	8	1.8
		8T							
		10		7.00–10.00	11 (12)–23	3.0–30.0 (25.0)	M4	6	2.2
	10T								
	12	-0.006 -0.017	7.00–12.00	8 (12)–18	3.0–30.0 (25.0)	M5	8	2.5	
	12T								
	13		8.00–13.00	13 (14)–26	5.0–30.0 (25.0)	M4	6	3	
	13T								
	16		10.00–16.00	16–32	5.0–30.0	M8	12	4	
	16T								
	20	-0.007 -0.020	13.00–20.00	20–40	5.0–30.0	M6	9	5	
	20T								

Ⓛ Pins with D value ending in T (ex. 8T) have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T")  
 Ⓛ L dimension in ( ) is applicable to Diamond Shape. Ⓛ B dimension ( ) applies to diamond shape. Ⓛ Note the strength of under-head part. P.1542 Ⓛ Please confirm pilot hole depth on P.1542. Holes may go through.  
 \*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015).  
 \* Not applicable when using locking adhesives or lock washers.

**Part Number Example**

Part Number - P - L - B

JPQSTA6 - 4.00  
 FPQSTA6 - P4.00 - L10 - B5.5

**Part Number Alterations**

Part Number - P - L - B - (RC, LAC)

FPQSTA6 - 4.00 - 10 - B5.5 - RC

Ⓛ Alteration is not available for P Selectable Type.  
 Ⓛ Combination of RC and LAC is not available.

Alterations	Radius	Wrench Hole																																						
Code	RC	LAC																																						
Spec.	Changes the relief to R0.5. Ordering Code: RC Ⓛ Applicable when D-P≥2.	Machines wrench hole. Ordering Code: LAC																																						
		<table border="1"> <thead> <tr> <th rowspan="2">D</th> <th colspan="2">Applicable Dimensions</th> <th colspan="2">Wrench Hole Dimensions</th> </tr> <tr> <th>P</th> <th>B</th> <th>P</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td>8, 8T</td> <td>6.00–8.00</td> <td>5.0~</td> <td>6.00–9.99</td> <td>2</td> </tr> <tr> <td>10, 10T</td> <td>7.00 (8.00)–10.00</td> <td></td> <td>10.00–15.99</td> <td>3.5</td> </tr> <tr> <td>12, 12T</td> <td>7.00 (8.00)–12.00</td> <td></td> <td>16.00~</td> <td>5</td> </tr> <tr> <td>13, 13T</td> <td>8.00–13.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>16, 16T</td> <td>10.00–16.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>20, 20T</td> <td>13.00–20.00</td> <td>10.0~</td> <td></td> <td></td> </tr> </tbody> </table> <p>Ⓛ P dimension in ( ) is for the Diamond Type.              Ⓛ Round shape is applicable to D≥8, and diamond to D≥10.              Ⓛ Orientation between Diamond Shape Head and Wrench Hole is arbitrary.</p>	D	Applicable Dimensions		Wrench Hole Dimensions		P	B	P	Q	8, 8T	6.00–8.00	5.0~	6.00–9.99	2	10, 10T	7.00 (8.00)–10.00		10.00–15.99	3.5	12, 12T	7.00 (8.00)–12.00		16.00~	5	13, 13T	8.00–13.00				16, 16T	10.00–16.00				20, 20T	13.00–20.00	10.0~	
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