

# Locating Pins (Spherical Large Head)

with Tapped Shank

Ⓛ D=5 is now available for Configurable Type.

Material No.	Material	Surface Treatment	Hardness	P Dimension Selectable		P Dimension Configurable		P, L & B Dimension Configurable	
				Type	Shape Code	Type	Shape Code	Type	Shape Code
(1)	01 Tool Steel	—	Treated Hardness: 60–63 HRC min.	JPQT	BB Round	JPQT	A Round D Diamond	FPQT	A Round D Diamond
(2)	01 Tool Steel	Hard Chrome Plating	Hardness: 50–55 HRC min. Plating Hardness: 750 HV min.	—		GJPQT		GFPQT	
(3)	304 Stainless Steel	—	—	SJPQT		SFPQT			
(4)	304 Stainless Steel	Hard Chrome Plating	Plating Hardness: 750 HV min.	—		—		HFPQT	
(5)	440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	CJPQT		CJPQT		CFPQT	
(6)	01 Tool Steel	Buffed Surface	Treated Hardness: 60–63 HRC min.	—		MJPQT		MFPQT	
(7)	01 Tool Steel	Hard Chrome Plating + Buffed	Hardness: 50–55 HRC min. Plating Hardness: 750 HV min.	—		MGJPQT		MGFPQT	
(8)	440C or 420 Stainless Steel	Buffed Surface	Treated Hardness: 50–55 HRC min.	—		MCJPQT		MCFPQT	

  

Ⓛ 440C or 420 Stainless Steel has an identification groove on D part.

## P Selectable

Type	Part Number	Shape	D	D Tolerance g6	P	L	B	M (Coarse)	ℓ
JPQT SJPQT CJPQT	BB Round	BB Round	6	-0.004 -0.012	7 8 9 10	10	8	M3	5
			8	-0.005 -0.014	9 10 11 12 13	15	10	M5	8
			10	-0.006 -0.017	11 12 13 15				
			12	-0.006 -0.017	15 16				
			16	-0.006 -0.017	18 19 20 24 25	22	10	M8	12

## P Configurable

Type	Part Number	Shape	D	D Dimension Tolerance g6	P 0.01 mm Increment	L	B	M (Coarse)	ℓ	(W)
JPQT GJPQT SJPQT CJPQT	A Round	A Round	5	-0.004 -0.012	5.50–8.00	10	6	M2	3	2.2
			6	-0.005 -0.014	6.50–10.00					
			6T	-0.005 -0.014	6.50–10.00					
			8	-0.005 -0.014	9.00–13.00					
Buff Finished MJPQT MGFPQT MCJPQT	D Diamond	D Diamond	8T	-0.005 -0.014	9.00–13.00	15	8	M5	8	3.5
			10	-0.006 -0.017	11.00–15.00					
			12	-0.006 -0.017	13.00–16.00					
			13	-0.006 -0.017	14.00–18.00					
			16	-0.007 -0.020	17.00–25.00	22	10	M8	10	5.5
			16T	-0.007 -0.020	17.00–25.00					
			20	-0.007 -0.020	22.00–30.00					
			20T	-0.007 -0.020	22.00–30.00					

## P, L & B Configurable

Type	Part Number	Shape	D	D Dimension Tolerance g6	P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	M (Coarse)	ℓ	(W)
FPQT GFPQT SFPQT HFPQT CFPQT	A Round	A Round	5	-0.004 -0.012	5.50–8.00	5 (9)–10	2.0–10.0	M2	3	2.2
			6	-0.005 -0.014	6.50–10.00	6 (9)–12	2.0–12.0	M3	5	3.0
			6T	-0.005 -0.014	6.50–10.00	6 (9)–12	2.0–12.0	M2.6	4	
			8	-0.005 -0.014	9.00–13.00	8 (12)–16	2.0–15.0	M5	8	3.5
8T	-0.005 -0.014	9.00–13.00	8 (12)–16	2.0–15.0	M4	6				
Buff Finished MFPQT MGFPQT MCFPQT	D Diamond	D Diamond	10	-0.006 -0.017	11.00–15.00	10 (12)–20	3.0–20.0	M5	8	4.0
			10T	-0.006 -0.017	11.00–15.00	10 (12)–20	3.0–20.0	M4	6	
			12	-0.006 -0.017	13.00–16.00	12–24	3.0–20.0	M5	8	5.0
			12T	-0.006 -0.017	13.00–16.00	8 (12)–18	3.0–20.0	M4	6	
			13	-0.006 -0.017	14.00–18.00	13 (14)–26	5.0–20.0	M8	10	5.5
			13T	-0.006 -0.017	14.00–18.00	8 (14)–20	5.0–20.0	M6	9	
			16	-0.007 -0.020	17.00–25.00	16–32	5.0–20.0	M8	12	7.0
			16T	-0.007 -0.020	17.00–25.00	10 (14)–24	5.0–20.0	M6	9	
20	-0.007 -0.020	22.00–30.00	20–40	5.0–20.0	M8	12	9.0			
20T	-0.007 -0.020	22.00–30.00	12 (18)–30	5.0–20.0	M6	9				

- Ⓛ 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.
- Ⓛ 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.

# Locating Pins (Spherical Large Head)

with Tapped Shank, *continued*

## P Selectable

D	Round Shape		
	(1) 01 Tool Steel Hardened JPQTBB	(3) 304 Stainless Steel SJPQTBB	(5) 440C or 420 Stainless Steel CJPQTBB
6	•	•	•
8	•	•	•
10	•	•	•
12	•	•	•
16	•	•	•

## P Configurable

D	Round Shape								Diamond Shape							
	(1) 01 Tool Steel Hardened JPQTA	(2) Hard 01 Tool Steel GJPQTA	(3) 304 Stainless Steel SJPQTA	(5) 440C or 420 Stainless Steel CJPQTA	(6) 01 Tool Steel Hardened + Buffed MJPQTA	(7) Hard 01 Tool Steel + Buffed MGJPQTA	(8) 440C or 420 Stainless Steel + Buffed MCJPQTA	(1) 01 Tool Steel Hardened JPQTD	(2) Hard 01 Tool Steel GJPQTD	(3) 304 Stainless Steel SJPQTD	(5) 440C or 420 Stainless Steel CJPQTD	(6) 01 Tool Steel Hardened + Buffed MJPQTD	(7) Hard 01 Tool Steel + Buffed MGJPQTD	(8) 440C or 420 Stainless Steel + Buffed MCJPQTD		
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
6T	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
8T	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
13	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•		

## P, L & B Configurable

D	Round Shape								Diamond Shape							
	(1) 01 Tool Steel Hardened FPQTA	(2) Hard 01 Tool Steel GFPQTA	(3) 304 Stainless Steel SFPQTA	(4) Hard 304 Stainless Steel HFPQTA	(5) 440C or 420 Stainless Steel CFPQTA	(6) 01 Tool Steel Hardened + Buffed MFPQTA	(7) Hard 01 Tool Steel + Buffed MGFPQTA	(8) 440C or 420 Stainless Steel + Buffed MCFPQTA	(1) 01 Tool Steel Hardened FPQTD	(2) Hard 01 Tool Steel GFPQTD	(3) 304 Stainless Steel SFPQTD	(4) Hard 304 Stainless Steel HFPQTD	(5) 440C or 420 Stainless Steel CFPQTD	(6) 01 Tool Steel Hardened + Buffed MFPQTD	(7) Hard 01 Tool Steel + Buffed MGFPQTD	(8) 440C or 420 Stainless Steel + Buffed MCFPQTD
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
13T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20T	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Part Number Example: Part Number - P - L - B  
 JPQTA6 - 10.0  
 MFPQTA6 - P10.0 - L10 - B5.0

Part Number Alterations: Part Number - P - L - B - (RC, LAC)  
 FPQTA6 - P10.00 - L10 - B5 - RC

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

Alterations	Radius	Wrench Hole																														
	RC (R0.5)	LAC																														
Code	RC	LAC																														
Spec.	Changes the relief to R0.5. Ordering Code: RC Ⓛ Applicable when P-D≥2.	Machines wrench hole. Ordering Code: LAC Ⓛ Orientation between Diamond Shape Head and Wrench Hole is arbitrary.	Wrench Hole Dimensions																													
			<table border="1"> <thead> <tr> <th>D</th> <th>B Applicable Dim.</th> <th>P</th> <th>Q</th> </tr> </thead> <tbody> <tr> <td>5</td> <td rowspan="4">5.0~</td> <td>5.50–9.99</td> <td>2</td> </tr> <tr> <td>6, 6T</td> <td>10.00–16.99</td> <td>3.5</td> </tr> <tr> <td>8, 8T</td> <td>17.00~</td> <td>5</td> </tr> <tr> <td>10, 10T</td> <td></td> <td></td> </tr> <tr> <td>12, 12T</td> <td rowspan="4">10.0~</td> <td></td> <td></td> </tr> <tr> <td>13, 13T</td> <td></td> <td></td> </tr> <tr> <td>16, 16T</td> <td></td> <td></td> </tr> <tr> <td>20, 20T</td> <td></td> <td></td> </tr> </tbody> </table>	D	B Applicable Dim.	P	Q	5	5.0~	5.50–9.99	2	6, 6T	10.00–16.99	3.5	8, 8T	17.00~	5	10, 10T			12, 12T	10.0~			13, 13T			16, 16T			20, 20T	
D	B Applicable Dim.	P	Q																													
5	5.0~	5.50–9.99	2																													
6, 6T		10.00–16.99	3.5																													
8, 8T		17.00~	5																													
10, 10T																																
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