


Locating Pins (Spherical Large Head)

with Threaded Shank



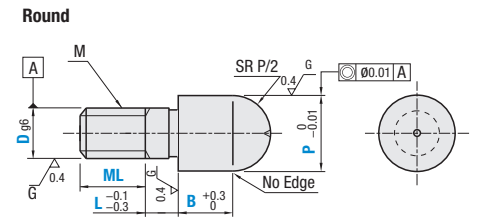
RoHS10

(P, L, B and ML Dimension Configurable)

Material No.	Material	Surface Treatment	Hardness	Type				Shape	
				P Selectable	P Config.	P, L & B Config.	P, L, B & ML Config.	P Selectable	Except P Standard
(1)	01 Tool Steel Equivalent	—	Treated Hardness: 60~63 HRC min.	JPQN	JPQN	FPQN	FPQNL	BB Round	A Round D Diamond
(2)	—	Hard Chrome Plating	Hardness: 50~55 HRC min. Plating Hardness: 750 HV min.	—	GJPQN	GFPQN	GFPQNL		
(3)	304 Stainless Steel Equivalent	—	—	SJPQN	SJPQN	SFPQN	SFPQNL		
(4)	—	Hard Chrome Plating	Plating Hardness: 750 HV min.	—	HJPQN	HFPQN	—		
(5)	440C or 420 Stainless Steel	—	Treated Hardness: 50~55 HRC min.	CJPQN	CJPQN	CFPQN	CFPQNL		
(6)	01 Tool Steel Equivalent	Buffed Surface	Treated Hardness: 60~63 HRC min.	—	MJPQN	MFPQN	MFPQNL		
(7)	01 Tool Steel Equivalent	Hard Chrome Plating + Buffed	Hardness: 50~55 HRC min. Plating Hardness: 750 HV min.	—	MGJPQN	MGFPQN	MGFPQNL		
(8)	440C or 420 Stainless Steel	Buffed Surface	Treated Hardness: 50~55 HRC min.	—	MCJPQN	MCFPQN	MCFPQNL		

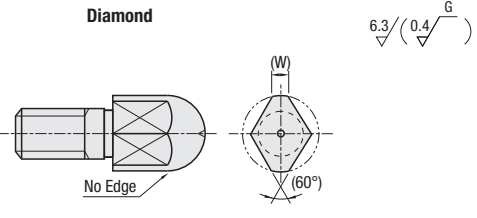
Ⓛ Some combinations are not available. Refer to the price list to select the available combination.

Round



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

Diamond



Ⓛ 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)	ML	Available Types for Round Shape		
		D	D Tolerance g6						(1) 01 Tool Steel Hardened	(3) 304 Stainless Steel	(5) 440C or 420 Stainless Steel
JPQN SJPQN CJPQN	BB Round	3	-0.002 -0.008	4 5 6	2	5	M3	4.5	•	•	•
		4	-0.004 -0.012	5 6 7					•	•	•
		5		6 7 8	•	•	•				
		6		7 8 9 10	•	•	•				
	D Diamond	8	-0.005	9 10 11 12 13	5	8	M8	12	•	•	•
		10	-0.014	11 12 13 15					•	•	•
		12	-0.016	15 16	8	10	M10	15	•	•	•
		16	-0.006						•	•	•
20	-0.017	•	•	•							

P Configurable

Type	Shape	Part Number		P 0.01 mm Increment	L	B	M (Coarse)	ML	(W)
		D	D Tolerance g6						
JPQN GJPQN SJPQN HJPQN CJPQN Buff Finished MJPQN MGJPQN MCJPQN	A Round	3	-0.002 -0.008	3.50~6.00	2	5	M3	4.5	1.5
		4	-0.004 -0.012	4.50~7.00					
		5		5.50~8.00	5	8	M5	7.5	2.2
		6		6.50~10.00					
	8	-0.005	9.00~13.00						
	10	-0.014	11.00~15.00						
	12	-0.016	13.00~18.00						
	D Diamond	16	-0.017	17.00~25.00	8	10	M12	18	5.0
20		-0.007 -0.020	22.00~30.00	10					

P, L, B Configurable

Type	Shape	Part Number		P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	M (Coarse)	ML	(W)
		D	D Tolerance g6						
FPQN GFPQN SFPQN HFPQN CFPQN Buff Finished MFPQN MGFPQN MCFPQN	A Round	3	-0.002 -0.008	3.50~6.00	2~6	2.0~10.0	M3	4.5	1.5
		4	-0.004 -0.012	4.50~7.00	2~8	2.0~10.0	M4	6	1.8
		5		5.50~8.00	3~10	2.0~10.0	M5	7.5	2.2
		6		6.50~10.00	3~10	2.0~12.0	M6	9	3
	D Diamond	8	-0.005	9.00~13.00	5~10	2.0~15.0	M8	12	3.5
		10	-0.014	11.00~15.00	5~15	3.0~20.0	M10	15	4
		12	-0.006	13.00~18.00	8~15	3.0~20.0	M12	18	5
		16	-0.017	17.00~25.00	8~20	5.0~20.0	M16	24	7
20	-0.007 -0.02	22.00~30.00	10~20	5.0~20.0	M20	30	9		

Ⓛ Applicable when D≥5.

Thread length (ML) is configurable between Mx1 and Mx3 (max.).

Locating Pins (Spherical Large Head)

with Threaded Shank, *continued*

P, L, B & ML Configurable

Type	Shape	Part Number		P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	ML 1 mm Increment	M (Coarse)	(W)
		D	D Tolerance g6						
FPQNL GFPQNL SFPQNL CFPQNL Buff Finished MFPQNL MGFPQNL MCFPQNL	A Round	3	-0.002 -0.008	3.50~6.00	2~6	2.0~10.0	3~9	M3	1.5
		4	-0.004 -0.012	4.50~7.00	2~8	2.0~10.0	4~12	M4	1.8
		5		5.50~8.00	3~10	2.0~10.0	5~15	M5	2.2
		6		6.50~10.00	3~10	2.0~12.0	6~18	M6	3
	D Diamond	8	-0.005	9.00~13.00	5~10	2.0~15.0	8~24	M8	3.5
		10	-0.014	11.00~15.00	5~15	3.0~20.0	10~30	M10	4
		12	-0.006	13.00~18.00	8~15	3.0~20.0	12~30	M12	5
		16	-0.017	17.00~25.00	8~20	5.0~20.0	16~40	M16	7
20	-0.007 -0.02	22.00~30.00	10~20	5.0~20.0	20~40	M20	9		

Ⓛ Applicable when D≥5.

* 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.

P Configurable

D	Available Types for Round Shape								Available Types for Diamond Shape							
	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

P, L & B Configurable

D	Available Types for Round Shape								Available Types for Diamond Shape							
	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

P, L, B & ML Configurable Price is determined by ML length. See the table below.

D	Available Types for Round Shape								Available Types for Diamond Shape							
	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed	(1) 01 Tool Steel Hardened	(2) Hard 01 Tool Steel	(3) 304 Stainless Steel	(4) Hard 304 Stainless Steel	(5) 440C or 420 Stainless Steel	(6) 01 Tool Steel Hardened + Buffed	(7) Hard 01 Tool Steel + Buffed	(8) 440C or 420 Stainless Steel + Buffed
3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Part Number Example

Part Number - P - L - B - ML

JPQNB3	-	5				
FPQNA16	-	P18.00	-	L12	-	B7.5
SFPQNA10	-	P11.97	-	L5	-	B5.0 - ML12

Part Number Alterations

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

SFPQNA6 - P10.00 - L10 - B5 - ML10 - RC

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

Alterations	Radius		Wrench Hole	
	RC (R0.5)	LAC	D	B Applicable Dim.
Code	RC	LAC		
Spec.	Changes the relief to R0.5.		Machines wrench hole.	
	Ordering Code: RC		Ordering Code: LAC	
	Ⓛ Applicable when P-D≥2.		Ⓛ Not applicable to P, L, B, ML Configurable Type.	
			Ⓛ Applicable when D≥6	
			Ⓛ Orientation between Diamond Shape Head and Wrench Hole is arbitrary.	