


Locating Pins (Large Head)

with Threaded Shank

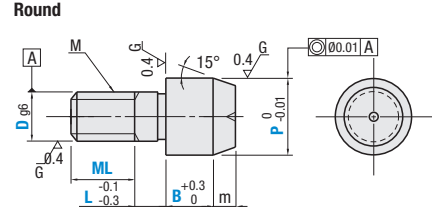


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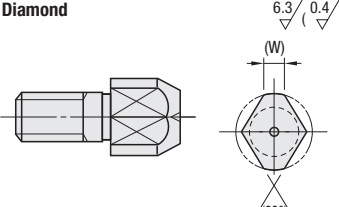
Materials No.	Material	Surface Treatment	Hardness	P Selectable		P Configurable		P, L, B Configurable		P, L, B, ML Configurable	
				Type	Shape Code	Type	Shape Code	Type	Shape Code	Type	Shape Code
(1)	O1 Tool Steel Equivalent	—	60–63 HRC min.	JPN	BB Round	JPN	A Round	FPN	A Round	FPNL	A Round
(2)	O1 Tool Steel Equivalent	Hard Chrome Plating	Hardness: 50–55 HRC min. Plating Hardness: 750 HV min.	—		GJPN		GFPN		GFPNL	
(3)	SKS3 Tool Steel or Equiv.	—	—	—		—		BFPN		—	
(4)	304 Stainless Steel Equivalent	—	—	SJPN		SJPN		SFPN		SFPNL	
(5)	304 Stainless Steel Equivalent	Hard Chrome Plating	Plating Hardness 750 HV min.	—		HJPN		HFPN		—	
(6)	440C or 420 Stainless Steel	—	50–55 HRC min.	CJPN		CJPN		CFPN		CFPNL	

Ⓢ Some combinations are not available.

Round



Diamond



Ⓢ 440C or 420 Stainless Steel has an identification groove on D part.
Ⓢ When L < Pitch x 2, the incomplete threaded portion (Pitch x 2) is included in ML. Coarse Thread Pitch Diameter P.4010

P Selectable

Type	Part Number	Shape	D	D Tolerance g6	P Selection					L	B	ML	M (Coarse)	m	(W)
					3	4	4.5	5	6						
JPN SJPN CJPN	BB Round	3	3	-0.002 -0.008	3.5	4	4.5	5	6	2	5	4.5	3	2	1.5
		4	4	-0.004 -0.012	4.5	5	6	7	3						
		5	5	-0.005 -0.014	6	7	8	4		8	9	6	4	3	3.5
		6	6	-0.006 -0.017	7	8	9		10						
		8	8	-0.007 -0.020	9	10	11	12	13	10	15	30	20	5	9
		10	10	-0.007 -0.020	11	12	13								

P Configurable

Type	Part Number	Shape	D	D Tolerance g6	P			L	B	ML	M (Coarse)	m	(W)	
					0.01 mm Increment	1 mm Increment	0.1 mm Increment							
JPN GJPN SJPN HJPN CJPN	A Round D Diamond	3	3	-0.002 -0.008	3.50–6.00	2–6	1.0–10.0	2	5	4.5	3	2	1.5	
		4	4	-0.004 -0.012	4.50–7.00	2–8	1.0–10.0							3
		5	5	-0.005 -0.014	5.50–8.00	3–10	1.0–10.0	4	8	9	6	4	3	
		6	6	-0.006 -0.017	6.50–10.00	3–10	1.0–12.0							5
		8	8	-0.007 -0.020	9.00–13.00	5–10	1.0–15.0	8	12	18	12	16	5	
		10	10	-0.007 -0.020	11.00–15.00	5–15	3.0–20.0							10
		12	12	-0.007 -0.020	13.00–18.00	8–15	3.0–20.0	10	15	30	20	20	5	
		16	16	-0.007 -0.020	17.00–25.00	8–20	5.0–20.0							10
		20	20	-0.007 -0.020	22.00–30.00	10–20	5.0–20.0	10	15	30	20	20	5	

P, L, B Configurable

Type	Part Number	Shape	D	D Tolerance g6	P			ML	M (Coarse)	m	(W)
					0.01 mm Increment	1 mm Increment	0.1 mm Increment				
FPN GFPN BFPN SFPN HFPN CFPN	A Round D Diamond	3	3	-0.002 -0.008	3.50–6.00	2–6	1.0–10.0	4.5	3	2	1.5
		4	4	-0.004 -0.012	4.50–7.00	2–8	1.0–10.0				
		5	5	-0.005 -0.014	5.50–8.00	3–10	1.0–10.0	7.5	5	4	3
		6	6	-0.006 -0.017	6.50–10.00	3–10	1.0–12.0				
		8	8	-0.007 -0.020	9.00–13.00	5–10	1.0–15.0	12	8	4	3.5
		10	10	-0.007 -0.020	11.00–15.00	5–15	3.0–20.0				
		12	12	-0.007 -0.020	13.00–18.00	8–15	3.0–20.0	18	12	5	5
		16	16	-0.007 -0.020	17.00–25.00	8–20	5.0–20.0				
		20	20	-0.007 -0.020	22.00–30.00	10–20	5.0–20.0	30	20	5	9

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with Threaded Shank, *continued*

P, L, B, ML Configurable Thread length (ML) is configurable between Mx1–Mx3 (max.)

Type	Part Number	Shape	D	D Tolerance g6	P			ML	M (Coarse)	m	(W)
					0.01 mm Increment	1 mm Increment	0.1 mm Increment				
FPNL GFPNL SFPNL CFPNL	A Round D Diamond	3	3	-0.002 -0.008	3.50–6.00	2–6	1.0–10.0	3–9	3	2	1.5
		4	4	-0.004 -0.012	4.50–7.00	2–8	1.0–10.0	4–12	4	3	1.8
		5	5	-0.005 -0.014	5.50–8.00	3–10	1.0–10.0	5–15	5	4	2.2
		6	6	-0.006 -0.017	6.50–10.00	3–10	1.0–12.0	6–18	6	4	3
		8	8	-0.007 -0.020	9.00–13.00	5–10	1.0–15.0	8–24	8	4	3.5
		10	10	-0.007 -0.020	11.00–15.00	5–15	3.0–20.0	10–30	10	4	4
		12	12	-0.007 -0.020	13.00–18.00	8–15	3.0–20.0	12–30	12	5	5
		16	16	-0.007 -0.020	17.00–25.00	8–20	5.0–20.0	16–40	16	5	7
		20	20	-0.007 -0.020	22.00–30.00	10–20	5.0–20.0	20–40	20	5	9

* 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 Selectable

D	Available Types for Round Shape		
	(1) O1 Tool Steel Hardened JPNBB	(4) 304 Stainless Steel SJPNBB	(6) 440C or 420 Stainless Steel CJPNBB
3	•	•	•
4	•	•	•
5	•	•	•
6	•	•	•
8	•	•	•
10	•	•	•

P Configurable

D	Available Types											
	Round Shape						Diamond Shape					
	(1) O1 Tool Steel Hardened JPNNA	(2) Hard O1 Tool Steel GJPNA	(4) 304 Stainless Steel SJPNNA	(5) 304 Stainless Steel Hard HJPNA	(6) 440C or 420 Stainless Steel CJPNNA	(1) O1 Tool Steel Hardened JPND	(2) Hard O1 Tool Steel GJPND	(4) 304 Stainless Steel SJPNND	(5) 304 Stainless Steel Hard HJPND	(6) 440C or 420 Stainless Steel CJPNND		
3	•	•	•	•	•	•	•	•	•	•	•	
4	•	•	•	•	•	•	•	•	•	•	•	
5	•	•	•	•	•	•	•	•	•	•	•	
6	•	•	•	•	•	•	•	•	•	•	•	
8	•	•	•	•	•	•	•	•	•	•	•	
10	•	•	•	•	•	•	•	•	•	•	•	
12	•	•	•	•	•	•	•	•	•	•	•	
16	•	•	•	•	•	•	•	•	•	•	•	
20	•	•	•	•	•	•	•	•	•	•	•	

P, L & B Configurable

D	Available Types											
	Round Shape						Diamond Shape					
	(1) O1 Tool Steel Hardened FPNA	(2) Hard O1 Tool Steel GFPNA	(3) O1 Tool Steel BFPNA	(4) 304 Stainless Steel SFPNA	(5) 304 Stainless Steel Hard HFPNA	(6) 440C or 420 Stainless Steel CFPNA	(1) O1 Tool Steel Hardened FPND	(2) Hard O1 Tool Steel GFPND	(3) O1 Tool Steel BFPND	(4) 304 Stainless Steel SFPND	(5) 304 Stainless Steel Hard HFPND	(6) 440C or 420 Stainless Steel CFPND
3	•	•	•	•	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•	•	•	•	•

P, L, B & ML Configurable

D	Available Types							
	Round Shape				Diamond Shape			
	(1) O1 Tool Steel Hardened FPNLA	(2) Hard O1 Tool Steel GFPNLA	(4) 304 Stainless Steel SFPNLA	(6) 440C or 420 Stainless Steel CFPNLA	(1) O1 Tool Steel Hardened FPNLD	(2) Hard O1 Tool Steel GFPNLD	(4) 304 Stainless Steel SFPNLD	(6) 440C or 420 Stainless Steel CFPNLD
3	•	•	•	•	•	•	•	•
4	•	•	•	•	•	•	•	•
5	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•
8	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•
16	•	•	•	•	•	•	•	•
20	•	•	•	•	•	•	•	•

Part Number Example

Type	Shape	D	P	L	B	ML
JPN	A	3	- 5.20			
FPN	A	5	- P6.00 -	L5 -	B4.0	
FPNL	A	8	- P9.51 -	L8 -	B4.0 -	ML8

Application Example

For P, L, B, ML Configurable Type, the thread length is adjustable depending on environment and application.

