



Locating Pins (Large Head) with Threaded Shank

Locating Pins / Bushings for Locating Pins

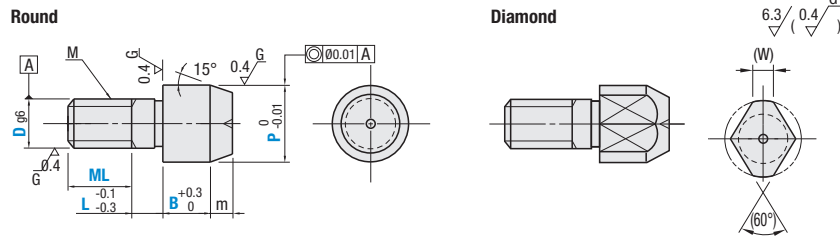
Locating Pins – Large Head with Threaded Shank



RoHS10

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	JPN	JPN	JPN	FPN	FPN	FPNL	A Round
(2)	O1 Tool Steel Equivalent	Hard Chrome Plating	Hardness: 50~55 HRC min. Plating Hardness: 750 HV min.	—	GJPN	GJPN	GJPN	GFPN	GFPN	GFPNL	A Round
(3)	SKS3 Tool Steel or Equiv.	—	—	—	—	A Round	A Round	BFPN	A Round	—	A Round
(4)	304 Stainless Steel Equivalent	—	—	SJPN	SJPN	D Diamond	D Diamond	SFPN	D Diamond	SFPNL	D Diamond
(5)	304 Stainless Steel Equivalent	Hard Chrome Plating	Plating Hardness 750 HV min.	—	HJPN	HJPN	HJPN	HFPN	HJPN	—	HJPN
(6)	440C or 420 Stainless Steel	—	50~55 HRC min.	CJPN	CJPN	CJPN	CJPN	CFPN	CJPN	CFPNL	CJPN

Some combinations are not available.



440C or 420 Stainless Steel has an identification groove on D part.
When $L < \text{Pitch} \times 2$, the incomplete threaded portion ($\text{Pitch} \times 2$) is included in ML. Coarse Thread Pitch Diameter P.4015

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	-0.002 -0.008	3.5	4	4.5	5	6	2	5	4.5	3	2	1.5	
		4	-0.004 -0.012	4.5	5	6	7	3	6	6	4	3	1.8		
		5	-0.004 -0.012	6	7	8	3	6	7.5	5	3	2.2			
		6	-0.005 -0.014	7	8	9	10	3	8	9	6	3			
		8	-0.005 -0.014	9	10	11	12	13	5	12	8	4	3.5		
		10	-0.007 -0.020	11	12	13	5	10	15	10	4	9			

P Configurable

Type	Part Number	Shape	D	D Tolerance g6	P		L	B	ML	M (Coarse)	m	(W)
					0.01 mm Increment	0.01 mm Increment						
JPN GJPN SJPN HJPN CJPN	A Round D Diamond	A Round	3	-0.002 -0.008	3.50-6.00	0-6	2	5	4.5	3	2	1.5
			4	4.50-7.00	0-8	3	6	6	4	3	1.8	
			5	5.50-8.00	0-10	3	6	7.5	5	3	2.2	
			6	6.50-10.00	0-10	3	8	9	6	3	3	
			8	9.00-13.00	0-10	5	8	12	8	4	3.5	
			10	11.00-15.00	0-15	5	10	15	10	4	4	
		D Diamond	12	-0.006 -0.017	13.00-18.00	0-15	8	10	18	12	5	5
			16	-0.007 -0.020	17.00-25.00	0-20	8	10	24	16	7	7
			20	-0.007 -0.020	22.00-30.00	0-20	10	15	30	20	9	9

P, L, B 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				
FPN GFPN BFPN SFPN HFPN CFPN	A Round D Diamond	A Round	3	-0.002 -0.008	3.50-6.00	0-6	1.0-10.0	4.5	3	2	1.5
			4	4.50-7.00	0-8	1.0-10.0	6	4	3	1.8	
			5	5.50-8.00	0-10	1.0-15.0 (10.0)	7.5	5	3	2.2	
			6	6.50-10.00	0-10	1.0-15.0	9	6	3	3	
			8	9.00-13.00	0-10	1.0-30.0 (15.0)	12	8	4	3.5	
			10	11.00-15.00	0-15	3.0-30.0 (25.0)	15	10	4	4	
		D Diamond	12	-0.006 -0.017	13.00-20.00 (18.00)	0-15	3.0-30.0 (25.0)	18	12	5	5
			16	-0.007 -0.020	17.00-25.00	0-20	5.0-30.0	24	16	7	7
			20	-0.007 -0.020	22.00-30.00	0-20	5.0-30.0	30	20	9	9

Dimensions () and B dimensions () apply to diamond shape. If you want the full thread shape, specify L dimension 0 and alteration NNC.

Locating Pins (Large Head) with Threaded Shank, continued

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

Part Number	Type	Shape	D	D Tolerance g6	P	L	B	ML	M	m	(W)
					0.01 mm Increment	1 mm Increment	0.1 mm Increment	1 mm Increment	(Coarse)		
FPNL GFPNL SFPNL CFPNL	A Round	Round	3	-0.002 -0.008	3.50-6.00	0-6	1.0-10.0	3-9	3	2	1.5
			4	4.50-7.00	0-8	1.0-10.0	4-12	4	3	1.8	
			5	5.50-8.00	0-10	1.0-10.0	5-15	5	3	2.2	
		D Diamond	6	-0.012	6.50-10.00	0-10	1.0-12.0	6-18	6	3	1.8
			8	-0.005	9.00-13.00	0-10	1.0-15.0	8-24	8	4	3.5
			10	-0.014	11.00-15.00	0-15	3.0-20.0	10-30	10	4	4
	D Diamond	12	-0.006	13.00-18.00	0-15	3.0-20.0	12-30	12	5	5	
		16	-0.017	17.00-25.00	0-20	5.0-20.0	16-40	16	7	7	
		20	-0.007 -0.020	22.00-30.00	0-20	5.0-20.0	20-40	20	9	9	

*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015). For full thread, specify L = 0 and alteration NNC.
*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 SJPBB	(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 JPNA	(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 JPNDD	(2) Hard O1 Tool Steel GJPND	(4) 304 Stainless Steel SJPND	(5) 304 Stainless Steel Hard HJPND	(6) 440C or 420 Stainless Steel CJPNDD		
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 CFPNNA	(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 CFPNDD	
3	*	*	*	*	*	*	*	*	*	*	*	
4	*	*	*	*	*	*	*	*	*	*	*	
5	*	*	*	*	*	*	*	*	*	*	*	
6	*	*	*	*	*	*	*	*	*	*	*	
8	*	*	*	*	*	*	*	*	*	*	*	
10	*	*	*	*	*	*	*	*	*	*	*	
12	*	*	*	*	*	*	*	*	*	*	*	
16	*	*	*	*	*	*	*	*	*	*	*	
20	*	*	*	*	*	*	*	*	*	*	*	

P, L, B & ML Configurable

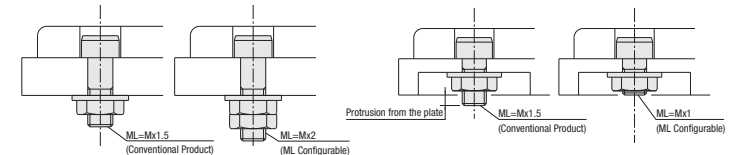
D	Available Types											
	Round Shape						Diamond Shape					
(1) O1 Tool Steel Hardened FPNLA	(2) Hard O1 Tool Steel GFPNA	(4) 304 Stainless Steel SFPNA	(6) 440C or 420 Stainless Steel CFPNLA	(1) O1 Tool Steel Hardened FPNLD	(2) Hard O1 Tool Steel GFPND	(4) 304 Stainless Steel SFPND	(6) 440C or 420 Stainless Steel CFPNDD					
3	*	*	*	*	*	*	*					
4	*	*	*	*	*	*	*					
5	*	*	*	*	*	*	*					
6	*	*	*	*	*	*	*					
8	*	*	*	*	*	*	*					
10	*	*	*	*	*	*	*					
12	*	*	*	*	*	*	*					
16	*	*	*	*	*	*	*					
20	*	*	*	*	*	*	*					



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



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



Alteration Code	Wrench Flats	Wrench Hole	Relief
	SC	LAC	NNC
Spec.	<p>SC = Specified in 1mm increments - Is not applicable to diamond shape - P-3<SC≤P-1, SC≥D - If B≤11, 2 surface width processing is included.</p>	<p>LAC = Wrench Hole - Applicable when D≥6 - The diamond-shaped wrench hole is perpendicular to the diamond surface, but the direction is arbitrary.</p>	<p>Adds a relief at the thread end. - Applicable when L=0</p>
			D Applicable to B dimension
			5.0-
			6
			8
			10
			12
			16
			20

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