

Screw-In Locating Pins

Full Threaded

Feature: Screw-fitting type without pilot. Costs for hole machining on fixtures can be reduced.

RoHS

Material No.	Material	Surface Treatment	Hardness	Type
①	01 Tool Steel	-	Treated Hardness: 60~63HRC	JPNG
②	01 Tool Steel	Hard Chrome Plating; Plating Thickness 3µm or more	Hardness: 50~55HRC Plating Hardness: 750HV~	GJPNG
③	01 Tool Steel	-	-	BJPNG
④	304 Stainless Steel	-	-	SJPNG

Tip Shape

Select from the diagram on the right.

M	(a)	(d)
3	1.3	2.2
4	1.8	2.9
5	2	3.7
6	2.5	4.4
8	3.1	6
10	3.7	7.7
12	4.4	9.4
16	5	13
20	6.3	16.4

⚠ Above dimensions are for reference, not guaranteed.

Part Number	Type	Tip Shape	M (Coarse)	P 0.1mm Increment	B 0.1mm Increment	R		Unit Price					
						1mm Increment	1mm Increment	①01 Tool Steel Hardened	②01 Tool Steel (Hardened)	③01 Tool Steel	④304 Stainless Steel		
JPNG GJPNG BJPNG SJPNG	A B C	A B C	3	3.5~8.0	1.0~10.0	A Shape R≥P/2	B Shape only	B Shape only	G≤P	JPNG	GJPNG	BJPNG	SJPNG
			4	4.5~8.0									
			5	5.5~8.0									
			6	6.5~10.0									
			8	9.0~15.0									
			10	11.0~17.0									
			12	13.0~20.0									
16	17.0~27.0												
20	21.0~30.0												

* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P3549). * Not applicable when using locking adhesives or lock washers.

Ordering Example: Part Number - P - B - R - G

JPNGA3 - P4 - B2 - R2 - G3

JPNGB5 - P6 - B3 - - - G3

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Alterations Part Number - P - B - R - G - (SC, LAC, RAC)

JPNGA3 - P6 - B2 - R3 - - SC5

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Alterations	Wrench Flats	Wrench Hole (Ø3.5)	Hex Socket Machining																																								
	Code	SC	LAC	RAC																																							
Spec.	SC=1mm Increment [Ordering Code] SC5 ⚠ When B≤11, adds wrench flats on the tip. ⚠ P-3≤SC≤P-1, SC≥M	Adds a Ø3.5 hole. [Ordering Code] LAC ⚠ Applicable when B≥10, P≥8.	Machines hex sockets. [Ordering Code] RAC3 <table border="1"> <thead> <tr> <th>G</th> <th>B</th> <th>S Specifiable Range</th> <th>S</th> <th>E</th> </tr> </thead> <tbody> <tr><td>4-5</td><td>10~</td><td>2, 2.5</td><td>2</td><td>2</td></tr> <tr><td>6-7</td><td>10~</td><td>2, 2.5, 3, 4</td><td>2.5</td><td>2</td></tr> <tr><td>8-9</td><td>10~</td><td>2, 2.5, 3, 4, 5</td><td>3</td><td>2</td></tr> <tr><td>10-12.9</td><td>10~</td><td>2, 2.5, 3, 4, 5, 6</td><td>4</td><td>2.5</td></tr> <tr><td>13~</td><td>10~</td><td>2, 2.5, 3, 4, 5, 6, 8</td><td>5</td><td>3</td></tr> <tr><td></td><td></td><td></td><td>6</td><td>4</td></tr> <tr><td></td><td></td><td></td><td>8</td><td>5</td></tr> </tbody> </table>	G	B	S Specifiable Range	S	E	4-5	10~	2, 2.5	2	2	6-7	10~	2, 2.5, 3, 4	2.5	2	8-9	10~	2, 2.5, 3, 4, 5	3	2	10-12.9	10~	2, 2.5, 3, 4, 5, 6	4	2.5	13~	10~	2, 2.5, 3, 4, 5, 6, 8	5	3				6	4				8	5
G	B	S Specifiable Range	S	E																																							
4-5	10~	2, 2.5	2	2																																							
6-7	10~	2, 2.5, 3, 4	2.5	2																																							
8-9	10~	2, 2.5, 3, 4, 5	3	2																																							
10-12.9	10~	2, 2.5, 3, 4, 5, 6	4	2.5																																							
13~	10~	2, 2.5, 3, 4, 5, 6, 8	5	3																																							
			6	4																																							
			8	5																																							
Price Adder			⚠ Applicable to Shape B with M≥6 only.																																								

Marker Pins

Hex Socket / Flathead Slot

Feature: Hex hole enables easy mounting with a hex wrench.

RoHS

Type	Material	Surface Treatment	Hardness
JPLR	1045 Carbon Steel	-	-
JPLRM		Electroless Nickel Plating	-
JPLRK		-	Treated Hardness: 50~55HRC
JPLRS	304 Stainless Steel	-	-

P Tolerance

P	gs
5.0~6.0	-0.004 -0.012
6.1~10.0	-0.005 -0.014
10.1~15.0	-0.006 -0.017

Part Number	Type	M (Coarse)	P 0.1mm Increment	B 0.1mm Increment	ℓ	E	Unit Price			
							JPLR	JPLRM	JPLRK	JPLRS
JPLR JPLRM JPLRK JPLRS		3	5.0~6.0	6.5~10.0	2	2				
		4	5.0~7.0	6.5~10.0	2	2.5				
		5	6.0~8.0	6.5~10.0	2	3				
		6	6.5~10.0	6.5~12.0	2	3				
		8	8.5~12.0	7.5~12.0	2.5	4				
		10	10.5~15.0	8.5~12.0	3	5				

⚠ Note that pins with small thread diameter have thin under-head part.

* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P3549). * Not applicable when using locking adhesives or lock washers.

Feature: Flathead slot enables easy mounting with a screwdriver.

RoHS

Type	Material	Surface Treatment	Hardness
JPLB	1045 Carbon Steel	-	-
JPLBM		Electroless Nickel Plating	-
JPLBK		-	Treated Hardness: 50~55HRC
JPLBS	304 Stainless Steel	-	-

P Tolerance

P	gs
3.0~6.0	-0.004 -0.012
6.1~10.0	-0.005 -0.014
10.1~15.0	-0.006 -0.017

Part Number	Type	M (Coarse)	P 0.1mm Increment	B 0.1mm Increment	Unit Price			
					JPLB	JPLBM	JPLBK	JPLBS
JPLB JPLBM JPLBK JPLBS		2	3.0~5.0	5.0~10.0				
		3	3.5~6.0	2.0~10.0				
		4	4.5~7.0	2.0~10.0				
		5	5.5~8.0	2.0~10.0				
		6	6.5~10.0	2.0~12.0				
		8	8.5~12.0	2.0~12.0				
10	10.5~15.0	2.0~12.0						

⚠ Note that pins with small thread diameter have thin under-head part.

* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P3549). * Not applicable when using locking adhesives or lock washers.

Ordering Example: Part Number - P - B

JPLR6 - P8.5 - B6.5 (Hex Socket)

JPLR8 - P9.5 - B3.2 (Flathead Slot)

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Example Use as guides for workpiece hitting on the side when shear load is not applied.

