

Post (Hex, Square and Circular)

Overview

Misumi Round Pole Lineups

For posts, see the following:

Product Name	Posts (for post use)
App. Example	
Page	P2115
Shaft Dia. Tolerance	0 -0.1
Material / Hardness	EN 1.0038 Equiv./Steel for General Structure: EN 1.4301 Equiv.

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For materials, see the following:

Product Name	Round Bars (Material)
App. Example	
Shaft Dia. Tolerance	0 -0.1 0 -0.2 ±0.1-0.4
Material / Hardness	Stainless Steel/Aluminum/Carbon Steel Chromium Molybdenum Steel/Copper

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For rotational use, see the following:

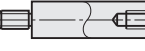
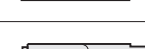
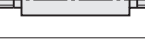
Product Name	Rotary Shaft (For Rotation)
App. Example	
Shaft Dia. Tolerance	h7 / g6 / h9
Material / Hardness	EN 1.1191 Equiv. EN 1.4301 Equiv.

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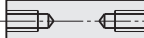
For linear motion use, see the following:

Product Name	Shaft (For Linear Motion use)
App. Example	
Shaft Dia. Tolerance	g6 / f8 / h5
Material / Hardness	EN 1.3505 Equiv., S58RC-EN 1.1191 Equiv. or EN 1.4301 Equiv., EN 1.4125 Equiv. S58RC-

Shape and Material Selection List

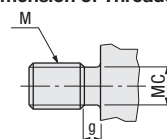
Shape Name, Type		Shape	Hex Posts							Circular Posts								Page
			Steel (EN 1.0038 Equiv./Steel for general structure)					Stainless Steel (EN 1.4305 Equiv. 304)	Aluminum (EN AW-2011 Equiv.)	Page	Steel (EN 1.0038 Equiv./Steel for general structure)				Stainless Steel (EN 1.4301 Equiv.)	Aluminum (EN AW-2017 Equiv.)	Plastic (Polyacetal)	
			No Surface Treatment	Black Oxide	Electroless Nickel Plating	Trivalent Chromate	No Surface Treatment	Clear Anodize	No Surface Treatment		Black Oxide	Electroless Nickel Plating	Trivalent Chromate	No Surface Treatment	Clear Anodize			
			No Surface Treatment	Black Oxide	Electroless Nickel Plating	Trivalent Chromate	No Surface Treatment	Clear Anodize	No Surface Treatment		Black Oxide	Electroless Nickel Plating	Trivalent Chromate	No Surface Treatment	Clear Anodize	(Polyacetal)		
Both Ends Tapped	Small Dia.		-	●	●	-	●	-	P2116	-	-	-	-	-	-	-	-	-
	Standard		●	●	●	●	●	●	P2117	●	●	●	●	●	●	●	●	P2127 P2136
One End Threaded One End Tapped	Small Dia.		-	●	●	-	●	-	P2116	-	-	-	-	-	-	-	-	-
	Standard		●	●	●	●	●	-	P2119 P2121	●	●	●	●	●	-	-	-	P2129 P2131
Both Ends Threaded	Standard		●	●	●	-	●	-	P2121	●	●	●	-	●	-	-	-	P2131
Pilot	Both Ends Tapped		●	●	●	-	●	-	P2123	●	●	●	-	●	-	-	-	P2133
	One End Threaded One End Tapped		●	●	●	-	●	-	P2123	●	●	●	-	●	-	-	-	P2133
	Both Ends Threaded		●	●	●	-	●	-	P2123	●	●	●	-	●	-	-	-	P2133
One End Tapped	Standard		●	●	●	-	●	-	P2125	●	●	●	-	●	-	●	-	P2135 P2136
One End Threaded	Standard		●	●	●	-	●	-	P2125	●	●	●	-	●	-	-	-	P2135

*Small diameter hex posts (only) are partly EN 1.0762 Equiv.

Shape Name, Type		Shape	Square Post				Page
			Steel (EN 1.0038 Equiv./Steel for general structure)			Stainless Steel (EN 1.4301 Equiv.)	
			-	Black Oxide	Electroless Nickel Plating	-	
Square Post	Both Ends Tapped		●	●	●	●	P2137
	One End Threaded One End Tapped		●	●	●	●	P2137

*For posts with an O.D. g6 tolerance combined with post stands and strut clamps, refer to P2143

Relief Dimension of Threaded Post (Reference)



M	MC	g
2	1.5	0.8
2.6	2.1	
3	2.4	1.0
4	3.2	1.2
5	4.1	1.5
6	4.4	2.0
8	6	3.0
10	7.7	
12	9.4	4.0
16	13	
20	16.4	5.0
24	19.6	
27	23	
30	25	