

Square Posts

Both Ends Tapped / One End Threaded, One End Tapped

Side surfaces that are wider than those of the hex posts are more convenient for mounting objects.

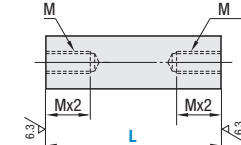
Square Posts – Both Ends Tapped / One End Threaded, One End Tapped



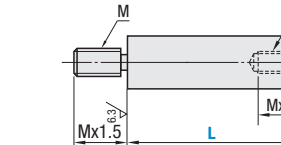
RoHS10

Type				Material	Surface Treatment
Both Ends Tapped		One End Threaded, One End Tapped			
L Dimension Configurable	L Dimension, Thread Dia. Configurable	L Dimension Configurable	L Dimension / Thread Diameter Configurable		
NLRFB	NLRBF	—	NLRGF	1018 Carbon Steel or Equivalent	—
LRFB	LRBBF	—	LRBGF		Black Oxide
PLRFB	PLRBF	PLRFG	PLRGF	304 Stainless Steel	Electroless Nickel Plating
SLRFB	SLRBF	SLRFG	SLRGF		—

Both Ends Tapped L Dimension Configurable

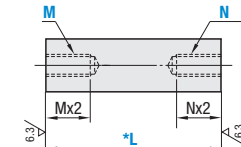


One End Threaded, One End Tapped L Dimension Configurable

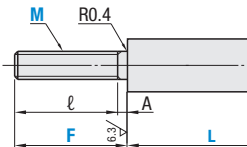


25/(6.3/√3)

L Dimension / Thread Diameter Configurable



L Dimension / Thread Diameter Configurable



- ⊕ Tapping may cause slight swelling of B dimension.
- ⊕ Centering hole may remain at thread end.

⊕ Anti-rust Oil is applied on 1018 Carbon Steel products.

Both Ends Tapped, L Dimension Configurable

Part Number		B	L		M (Coarse)
Type			1 mm Increment		
Both Ends Tapped 1018 Carbon Steel or Equivalent NLRFB LRFB PLRFB	One End Threaded, One End Tapped 1018 Carbon Steel or Equivalent PLRFG	8	10-150	M4	
		10	15-300	M5	
		12	25-400	M6	
		15	30-400	M8	
		20	40-400	M10	
304 Stainless Steel SLRFB	304 Stainless Steel SLRFG	25	50-400	M12	
		30	60-400	M16	

L Dimension Tolerance
 L 15-300 ±0.1
 L 301-600 ±0.3
 L 601-700 ±0.4

For single order of 10pcs. or less, when L≤200, all simultaneously produced pieces in a lot will have L dim. tolerance of ±0.02 or better.

- ⊕ When L≤Mx4, tapped hole goes through. ⊕ For One End Threaded One End Tapped Type, L ≥ Tapped Mx3+2.
- ⊕ When L≤Mx6, the pilot hole may go through.

Both Ends Tapped, L Dimension, Thread Dia. Configurable

Part Number		B	L 1 mm Increment	M (Coarse) / N (Coarse)			
Type							
Both Ends Tapped 1018 Carbon Steel or Equivalent NLRBF LRBBF PLRBF	8	20-150	3	4	5		
	10	20-300		4	5	6	
	12	25-400		4	5	6	8
	15	30-400		4	5	6	8
	20	40-400		5	6	8	10 12
304 Stainless Steel SLRBF	25	50-400		6	8	10 12 16	
	30	60-400		8	10	12 16	

⊕ L ≥ Mx2 + Nx2

One End Threaded One End Tapped, L Dimension & Thread Dia. Configurable

Part Number		B	L 1 mm Increment	F 1 mm Increment	M (Coarse)			N (Coarse)			ℓ		
Type													
One End Threaded, One End Tapped 1018 Carbon Steel or Equivalent NLRGF LRBGF PLRGF	8	10-150	8-25		4	5		3	4	5	ℓ=F-A (ℓmax=Mx5)		
	10	15-300	8-30		4	5	6		4	5		6	
	12	25-400	10-40		5	6	8		4	5		6	8
	15	30-400	12-40		6	8	10		4	5		6	8
	20	40-400	15-60		10	12			5	6		8	10
304 Stainless Steel SLRGF	25	50-400	20-80		10	12	16		6	8	10	12	16
	30	60-400	25-80		12	16	20		8	10	12	16	

⊕ For One End Threaded One End Tapped Type, L ≥ Tapped Nx3+2.

Min. Value of Incomplete External Thread

M	Amin
4	2
5	3
6	4
8	4
10	5
12	6
16	7
20	9

Square Posts

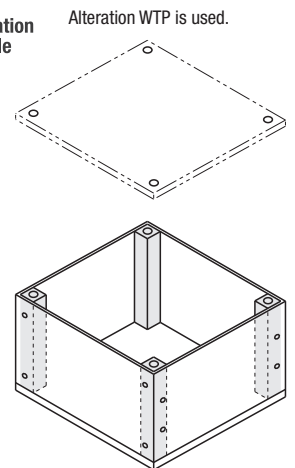
Both Ends Tapped / One End Threaded, One End Tapped, continued

Part Number				B	Available Types			
Type					Min. L-100	L101-200	L201-300	L301-400
Both Ends Tapped, L Dimension Configurable	Both Ends Tapped, L Dimension & Thread Dia. Configurable	One End Threaded, One End Tapped, L Dimension Configurable	One End Threaded One End Tapped, L Dimension & Thread Dia. Configurable	8	•	•	—	—
1018 Carbon Steel or Equivalent NLRFB	1018 Carbon Steel or Equivalent NLRBF	1018 Carbon Steel or Equivalent PLRFG	1018 Carbon Steel or Equivalent NLRGF	10	•	•	•	—
1018 Carbon Steel or Equivalent Black Oxide LRFB	1018 Carbon Steel or Equivalent Black Oxide LRBBF	304 Stainless Steel SLRFG	1018 Carbon Steel or Equivalent Black Oxide LRBGF	12	•	•	•	•
1018 Carbon Steel or Equivalent Electroless Nickel Plating PLRFB	1018 Carbon Steel or Equivalent Electroless Nickel Plating PLRBF		1018 Carbon Steel or Equivalent Electroless Nickel Plating PLRGF	15	•	•	•	•
304 Stainless Steel SLRFB	304 Stainless Steel SLRBF		304 Stainless Steel SLRGF	20	•	•	•	•
				25	•	•	•	•
				30	•	•	•	•

Part Number Example

Part Number	L	F	M	N
(Both Ends Tapped, L Dimension Configurable)	NLRFB10	-	150	
(Both Ends Tapped, L Dimension, Thread Dia. Configurable)	SLRBF20	-	400	M8 - N10
(One End Threaded One End Tapped, L Dimension Configurable)	PLRGF15	-	350	F32 - M8 - N6

Application Example



Part Number Alterations

Part Number	L	F	G	(LKC / TP / WTP)
NLRFB8	-	150	-	LKC
NLRBF20	-	400	-	M8 - N10 - LKC
SLRBF15	-	100	-	M5 - N6 - TP20-P20-WTP30-K30

Alterations	Code	Spec.						
L Dimension Tolerance	LKC	L Dimension tolerances are as follows. Ordering Code: LKC						
		<table border="1"> <thead> <tr> <th>L</th> <th>L Tolerance</th> </tr> </thead> <tbody> <tr> <td>10-300</td> <td>±0.05</td> </tr> <tr> <td>301-400</td> <td>±0.10</td> </tr> </tbody> </table>	L	L Tolerance	10-300	±0.05	301-400	±0.10
L	L Tolerance							
10-300	±0.05							
301-400	±0.10							

Alterations	Code	Spec.
Tapped holes on side.	TP	Adds tapped holes to sides. Ordering Code: TP10-P10 ⊕ Specify TP and P in 1mm increments. ⊕ For Threaded, TP≥(2+MA/2). For Tapped, TP≥Mx2+MA/2. ⊕ P≤L-TP-M(N)x2-MA/2 ⊕ When P=0, there will be one tapped hole.
		Tap Dia. MA (Tap Depth MAx1.5) B MA 8-10 M3 12-20 M4 25-30 M5
Tapped holes on 2 sides.	WTP	Adds side tapped holes at 90° from TP. Ordering Code: WTP10-K10 ⊕ Specify WTP and K in 1mm increments. ⊕ WTP=(Mx2+M/2) ⊕ K=(L-WTP-M(N)x2-M(N)/2) ⊕ When K=0, there will be one tapped hole. ⊕ If specified at the TP location, tapped holes might intervene with each other. ⊕ WTP is applied only when TP is used. ⊕ One end threaded, one end tapped will have WTP first and K next from the tapped end.
		Tap Dia. NA (Tap Depth NAx1.5) B NA 8-10 M3 12-20 M4 25-30 M5