

Rod End Coupling Rods

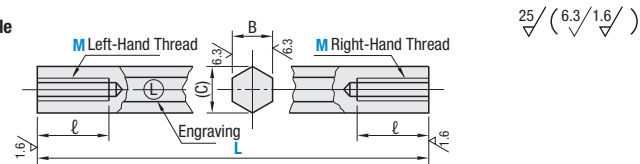
Both Ends Tapped Type

Rod End Coupling Rods – Both Ends Tapped Type



Type		Material	Surface Treatment	Accessories: Hex Nut (Right/Left-hand thread 1 pc. each)	
L Standard	L Configurable			Material	Surface Treatment
—	LBMBF	1045 Carbon Steel or Equivalent	Black Oxide	1018 Carbon Steel or Equivalent	Trivalent Bright Chromate
LBMKN	LBMFN	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	1018 Carbon Steel or Equivalent	Trivalent Bright Chromate
SLBMKN	SLBMFN	304 Stainless Steel or Equivalent	—	304 Stainless Steel or Equivalent	—

L Fixed / L Configurable



Both Ends Tapped, L Standard

Part Number		L Selection										ℓ ₁	B	(C)	
Type	M (Coarse)	3	4	5	6	7	8	9	10	11	12				
LBMKN SLBMKN	3	20	30	40	50	60	70	80	90	100	110	120	9	6	6.9
	4	30	40	50	60	70	80	90	100	110	120	12	7	8.1	
	5	40	50	60	70	80	90	100	110	120	16	8	9.2		
	6	50	60	70	80	90	100	110	120	18	10	11.5			
	8	60	70	80	90	100	110	120	24	13	15.0				

Ⓢ For minimum L dimension, a tap pilot hole of Tap may go through.

Part Number Example **L Standard**
 Part Number - L
 LBMBF5 - 225

Both Ends Tapped, L Configurable

Part Number		L 1 mm Increment	ℓ	B	(C)
Type	M (Coarse)				
L Configurable LBMBF LBMFN SLBMFN	3	20-300	9	6	6.9
	4	30-400	12	7	8.1
	5	40-600	16	8	9.2
	6	50-600	18	10	11.5
	8	60-1000	24	13	15.0
	10	70-1000	30	17	19.6
	12	80-1000	36	19	21.9
	14	80-1000	36	21	24.1
	16	100-1000	48	24	27.7
	18	120-1000	56	27	31.2
	20	130-1000	60	30	34.6
	22	140-1000	66	32	36.9

Ⓢ SLBMFN is available for M3-18 only.

Ⓢ When assembling rod end bearings, check M-Pitch.

Alterations	Code	Spec.									
	PMC	Changes both threads to fine threads. Ⓢ Alteration is available for M10, 14, 18, 20 and 22 only. Ordering Code: PMC <table border="1"> <thead> <tr> <th>M (N)</th> <th>Pitch</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1.25</td> </tr> <tr> <td>14</td> <td rowspan="4">1.5</td> </tr> <tr> <td>18</td> </tr> <tr> <td>20</td> </tr> <tr> <td>22</td> </tr> </tbody> </table>	M (N)	Pitch	10	1.25	14	1.5	18	20	22
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10	1.25										
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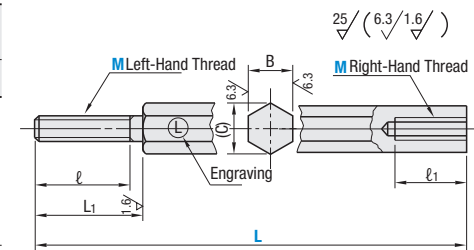
One End Threaded / One End Tapped Type

Rod End Coupling Rods – One End Threaded / One End Tapped Type



RoHS 10

Type	Material	Surface Treatment	Accessories: Hexagon Nut (Right- Left-Hand Thread 1 pc. for Each)	
			Material	Surface Treatment
LGBGF	1045 Carbon Steel or Equivalent	Black Oxide	1018 Carbon Steel or Equivalent	Trivalent Bright Chromate
LGBF	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	1018 Carbon Steel or Equivalent	Trivalent Bright Chromate
SLBGF	304 Stainless Steel or Equivalent	—	304 Stainless Steel or Equivalent*	—



One End Threaded, One End Tapped, L Configurable

Type	Part Number		L 1 mm Increment	L ₁	ℓ	ℓ ₁	B	(C)
	M (Coarse)	L						
L Configurable LGBGF LGBF SLBGF	3	40-300	15	14	9	6	6.9	
	4	50-400	20	18	12	7	8.1	
	5	60-600	25	23	16	8	9.2	
	6	70-600	30	28	18	10	11.5	
	8	90-1000	40	37	24	13	15.0	
	10	110-1000	50	47	30	17	19.6	
	12	130-1000	60	56	36	19	21.9	
	14	130-1000	60	56	36	21	24.1	
	16	170-1000	80	76	48	24	27.7	
	18	170-1000	80	76	56	27	31.2	

Ⓢ For minimum L dimension, a tap pilot hole of Tap may go through.

Ⓢ When assembling rod end bearings, check M-Pitch.

Part Number Example **L Standard**
 Part Number - L
 LGBGF5 - 100

Part Number Alterations Part Number - L - (RLC, PMC)
 LGBGF5 - 100 - RLC

Alterations	Code	Spec.									
	RLC	Reverses thread twist direction of each for One End Threaded, One End Tapped Type. Ordering Code: RLC									
	PMC	Changes both threads to fine threads. Ⓢ Alteration is available for M10, 14, 18, 20 and 22 only. Ordering Code: PMC <table border="1"> <thead> <tr> <th>M (N)</th> <th>Pitch</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>1.25</td> </tr> <tr> <td>14</td> <td rowspan="4">1.5</td> </tr> <tr> <td>18</td> </tr> <tr> <td>20</td> </tr> <tr> <td>22</td> </tr> </tbody> </table>	M (N)	Pitch	10	1.25	14	1.5	18	20	22
M (N)	Pitch										
10	1.25										
14	1.5										
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20											
22											

d	Available Types																	
	LBRBF, LBRBF, LBMBF, LGBGF*					LBRSM, SLBRS			LBRFN, LBRFN, LBMFN, LGBF*					SLBRFN*, SLBRFN, SLBMFN*, SLBGF*				
	Min. L-200	L201-400	L401-600	L601-800	L801-1000	Min. L-100	L101-200	L201-300	Min. L-200	L201-400	L401-600	L601-800	L801-1000	Min. L-200	L201-400	L401-600	L601-800	L801-1000
3	•	•	—	—	—	•	—	—	•	•	—	—	—	•	•	—	—	—
4	•	•	—	—	—	•	—	—	•	•	—	—	—	•	•	—	—	—
5	•	•	•	—	—	•	—	—	•	•	•	—	—	•	•	•	—	—
6	•	•	•	—	—	•	•	•	•	•	•	—	—	•	•	•	—	—
8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16	•	•	•	•	•	—	—	—	•	•	•	•	•	•	•	•	•	•
18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18A	•	•	•	•	•	—	—	—	•	•	•	•	•	•	•	•	•	•
20	•	•	•	•	•	—	—	—	•	•	•	•	•	•	•	•	•	•
22	•	•	•	•	•	—	—	—	•	•	•	•	•	•	•	•	•	•

Ⓢ *For SLBRFN, SLBMFN, LGBGF, LGBF and SLBGF, M20 and 22 are not available.