

Linear Bushings

Double

= For customers using industry standard products =
 The part enclosed in the red frame is as per industry standard specifications (Outer cylinder SUJ2 equivalent, Retainer resin).
 Consider these specifications while selecting the product.

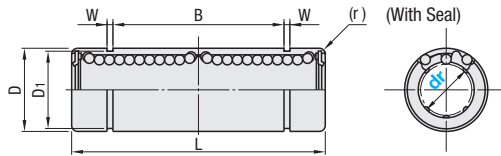
Features: Most common specification in Linear Bushings. Use Double Type in case moment load is to be applied.

Industry Standard



RoHS 10

Type	Outer Cylinder			Balls	Retainer	Ambient Operating Temp.	Accessory		
	Material	Hardness	Surface Treatment					Material	Material
LMUW-N	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~ 80°C	* Seal Material Nitrite Rubber (-20~120°C)		
LMUW					Stainless Steel (SUS)	-20~110°C			
LMUWF					Plastic (Duracon M90 Equivalent)	-20~ 80°C			
LMUWR								Stainless Steel (SUS)	-20~110°C
LMUWM								Plastic (Duracon M90 Equivalent)	-20~ 80°C
LMUWMF	SUS440C Equivalent	56HRC~	-	SUS440C Equivalent	Stainless Steel (SUS)	-20~110°C			
SLMUW	SUS440C Equivalent	56HRC~	-	-	Plastic (Duracon M90 Equivalent)	-20~ 80°C			
SLMUWS					Stainless Steel (SUS)	-20~120°C			



Part Number	D Tolerance			L Tolerance	B Tolerance	W	D1	(r)	Eccentricity (Max.)	Rows of Balls	Basic Load Rating		Allowable Static Moment (N·m)	Mass (g)	
	Type	dr	Tolerance								No Surface Treatment	Surface Treatment			C (Dynamic) N
LMUW-N (No Seal)	3	0 -0.010	7	0	0	19	-	-	0.3	0.010	4	138	210	0.51	3.2
	4		8	-0.011	-0.015	23	-	-	0.4			176	254	0.63	4.8
	5		10	-	-	28	18.2	9.6	0.015			263	412	1.38	11
	6		12	0	0	35	24.8	11.5	0.020			324	529	2.18	16
	8		15	-0.013	-0.018	45	32.8	14.3	0.025			431	784	4.31	31
	10		19	-	-	55	41.4	18	0.030			588	1100	7.24	62
	12		21	0	0	57	43.4	20	0.035			657	1200	10.9	80
	13		23	-0.016	-0.021	61	49.8	22	0.040			813	1570	11.6	90
	16		28	-	-	70	57.8	27	0.045			1230	2350	19.7	145
	20		32	0	0	80	78.3	30.5	0.050			1400	2740	26.8	180
LMUW (Seal)	25	0 -0.012	40	0	0	112	1.1	11.5	0.015	0.015	5	1560	3140	43.4	440
	30	45	-0.019	-0.025	123	85.3	43	0.020	2490			5490	82.8	480	
	35	52	0	0	135	94.8	49	0.025	2650			6270	110	795	
	40	60	-0.022	-0.030	151	116.8	57	0.030	3430			8040	147	1170	
	50	80	-	-	192	142.8	76.5	0.035	6080			15900	397	3100	

kgf=Nx0.101972

- For Precautions for Use, see P.303.
- dr=3, 4 are not available for LMUW-N and LMUWR
- Products with dr=3, 4 are without seal. No-Seal Type has lower sliding resistance (0.4~1.2N). Separate dust-proofing measures are necessary to keep the dust entering into sliding parts.
- For Low Temperature Black Chrome Plating, see P.304.
- Spacers and Stoppers for linear bushings can be selected from P.330.

dr	Unit Price							
	LMUW-N	LMUW	LMUWF	LMUWR	LMUWM	LMUWMF	SLMUW	SLMUWS
3	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-



Ordering Example

Part Number

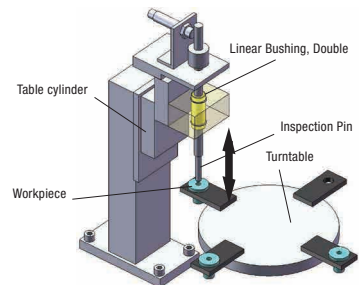
- LMUW20 (No Seal)
- LMUW-N20 (Low Temperature Black Chrome Plating)
- LMUWR20 (L Type Greased)
- LMUWR20G (G Type Greased)
- LMUWR20H (H Type Greased)

Alternative grease types available.

For Days to Ship, Price and Performance, see P.304.



Example



▲ Inspection instrument to confirm the precision of work piece hole