

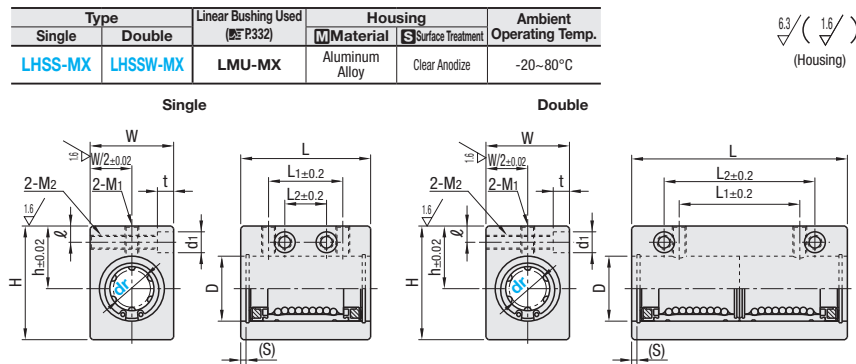
# Housing Units with Lubrication Unit MX

Tall Blocks / Wide Blocks

**Lubrication Unit MX** realizes maintenance free.

**Features:** A design that reduces linear bushing assembly steps. Suitable when the distance from the shaft center to load mounting surface needs to be fixed. Width (W dim.) is more compact than Wide Blocks.

**MISUMI Original**



⚠ No need to fill with grease prior to use because the product is already filled with lithium soap-based grease in addition to the built-in lubrication unit.

**Tall Block Type**

Part Number	Type	dr	Tolerance	D (S)		L		L1		L2		h	W	H	ℓ	M1	M2	d1xt	Basic Load Rating				Allowable Static Moment (N·m)		Mass (g)		Single		Double	
				Single	Double	Single	Double	Single	Double	Single	Double								Single	Double	Single	Double	Single	Double	Single	Double	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
				C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N								C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N
10	LHSS-MX	10	0	19	2.0	45	74	27	36	15	50	19	26	32	6	M6	M5	8x6	372	588	549	1100	-	7.24	92	166				
12	LHSS-MX	12	0	21	2.0	47	77	27	36	15	50	20	28	34	6	M6	M5	8x6	412	657	598	1200	-	10.9	103	185				
16	LHSS-MX	16	0	28	2.3	56	93	32	52	18	65	27	36	49	7	M6	M6	9x7	775	1230	1180	2350	-	19.7	237	423				
20	LHSS-MX	20	0	32	2.8	64	106	36	58	18	70	31	42	54	8	M8	M8	11x8	882	1400	1370	2740	-	26.8	324	584				
25	LHSS-MX	25	0	40	2.2	85	144	42	80	22	100	37	52	65	9	M10	M10	14x10	980	1560	1570	3140	-	43.4	672	1239				
30	LHSS-MX	30	0	45	2.2	92	156	44	90	22	110	40	58	71	9	M10	M10	14x10	1570	2490	2740	5490	-	82.8	843	1545				

⚠ For Precautions for Use, see P.303.

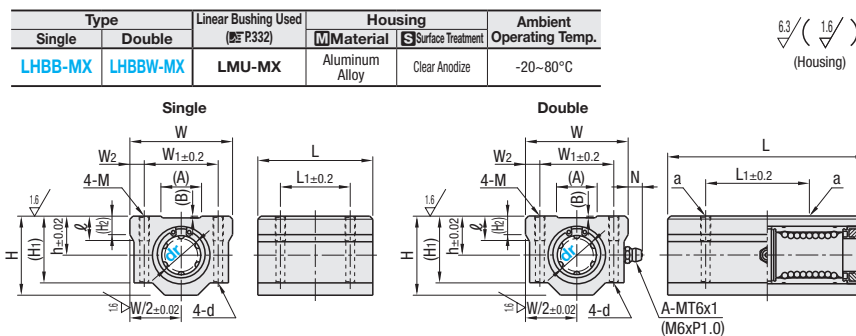
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⚠ For orders larger than indicated quantity, please request a quotation.

**Lubrication Unit MX** realizes maintenance free.

**Features:** A design that reduces linear bushing assembly steps. Four mounting holes enable solid mounting with the load.

**MISUMI Original**



⚠ No need to fill with grease prior to use because the product is already filled with lithium soap-based grease in addition to the built-in lubrication unit.  
⚠ There will be dowel holes on "a" locations for dr50.

**Wide Block Type**

Part Number	Type	dr	Tolerance	L		L1		h	H (H1)	W	W1	W2	M	d	ℓ	(A)	(B)	N	Basic Load Rating				Allowable Static Moment (N·m)		Mass (g)		Single		Double			
				Single	Double	Single	Double												Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
				C (Dynamic)	N	Co (Static)	N												C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N
10	LHBB-MX	10	0	45	78	21	46	13	26	21	40	28	6	15.5	0.4	7.5	372	588	549	1100	-	7.24	114	206								
12	LHBB-MX	12	0	47	81	26	50	15	28	24	42	30.5	5.75	17.5	0.7	7	412	657	598	1200	-	10.9	125	233								
16	LHBB-MX	16	0	56	97	34	60	19	38.5	32.5	50	36	7	19.8	0.85	6.5	775	1230	1180	2350	-	19.7	268	450								
20	LHBB-MX	20	0	64	110	40	70	21	41	35	54	40	7	21	0.5	7.5	882	1400	1370	2740	-	26.8	310	647								
25	LHBB-MX	25	0	85	148	50	100	26	51.5	42	76	54	11	36	1	4.5	980	1560	1570	3140	-	43.4	717	1339								
30	LHBB-MX	30	0	92	160	58	110	30	59.5	49	80	58	10	39.9	0.75	5.5	1570	2490	2740	5490	-	82.8	891	1665								
35	LHBB-MX	35	0	102	177	60	120	34	68	54	90	70	10	53	6	1670	2650	3140	6270	-	110	1314	2448									
40	LHBB-MX	40	0	114	199	60	140	40	78	62	102	80	11	61	1.5	5.5	2160	3430	4020	8040	-	147	1873	3526								
50	LHBB-MX	50	0	138	243	80	160	52	102	80	122	100	11	81	5.5	5.5	3820	6080	7940	15900	-	397	3821	7256								

⚠ For Precautions for Use, see P.303.

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⚠ For orders larger than indicated quantity, please request a quotation.



Part Number  
LHSS-MX16  
LHBBW-MX25

⚠ Various Grease Application Services are not applicable.

# Linear Ball Bushings

Single/Double - Flanged Single/Double

**Features:** Capable of rotary motion, finite linear motion, and the combination of both.

**Industry Standard**



Type	Type	Outer Cylinder		Balls	Retainer	Ambient Operating Temp.
		Material	Hardness	Material	Material	
Single	LBUS	SUJ2 Equivalent	58HRC~	SUJ2 Equivalent	A5052S	-20~110°C
Double	LBUW	SUJ2 Equivalent	58HRC~	SUJ2 Equivalent	A5052S	-20~110°C
Single	SLBUS	SUS440C Equivalent	56HRC~	SUS440C Equivalent	A5052S	-20~120°C
Double	SLBUW	SUS440C Equivalent	56HRC~	SUS440C Equivalent	A5052S	-20~120°C

Part Number	Type	dr	Tolerance	Maximum Stroke		Number of Ball Rows		ℓ		D		L		B		W	D1	R	Basic Load Rating				Allowable Static Moment (N·m)		Mass (g)		Unit Price					
				Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double				Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double	Single	Double
				C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N				C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N						
5	LBUS	5	0	13	6	5.9	9.4	10	0	15	8	9.6	131	209	106	212	-	1.38	4	5												
6	LBUS	6	0	15	7	8.3	12.3	12	0	19	11.3	1.1	11.5	0.4	210	333	164	328	-	2.18	8	8										
8	LBUS	8	0	24	8	8.8	16.8	15	-0.011	24	15.3	1.8	18	0.8	499	793	408	815	-	7.24	30	33										
10	LBUS	10	0	30	8	10.8	21.8	19	0	29	19.4	1.3	20	0.8	722	1146	579	1157	-	10.9	32	36										
12	LBUS	12	0	32	8	10.4	22.4	21	0	30	20.4	1.6	22	0.8	773	1226	634	1268	-	11.6	45	49										
13	LBUS	13	0	34	10	11.4	23.4	23	-0.013	32	20.4	1.6	27	0.8	1330	2112	1029	2058	-	19.7	72	79										
16	LBUS	16	0	40	16	12.8	24.8	28	0	37	23.3	1.6	27	0.8	1609	2554	1517	3035	-	26.8	94	102										
20	LBUS	20	0	46	28	14.8	23.8	32	0	42	27.3	1.6	30.5	0.8	1609	2554	1517	3035	-	26.8	94	102										

⚠ For Precautions for Use, see P.303. ⚠ Select Height-adjusting Spacers for Flanged Bushings from P.303.

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**Features:** Capable of rotary motion, finite linear motion, and the combination of both. Bolt-on flange offers assembly convenience.

**Industry Standard**



Type	Type		Outer Cylinder		Balls	Retainer	Ambient Operating Temp.
	Round Flange	Compact Flange	Material	Hardness	Material	Material	
Single	LBHR	LBHC	SUJ2	58HRC~	SUJ2	A5052S	-20~110°C
Double	LBHRW	LBHCW	Equivalent	58HRC~	Equivalent	A5052S	-20~110°C

dr	Tolerance	Maximum Stroke		Number of Ball Rows		ℓ1		D		L		H	T	d	d1	t	P.C.D.	F	A	Eccentricity	Perpendicularity	Basic Load Rating				Allowable Static Moment (N·m)	
		Single	Double	Single	Double	Single	Double	Single	Double	Single	Double											Single	Double	Single	Double		
		C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N	Co (Static)	N	C (Dynamic)	N											Co (Static)	N	C (Dynamic)	N	Co (Static)	N
6	0	15	7	8.3	12.3	12	0	19	28	5	3.5	6	3.1	20	-	20	-	20	0.012	0.012	210	333	164	328	-	2.18	
8	0	24	8	8.8	16.8	15	-0.013	24	32	6	4.5	7.5	4.1	24	-	24	-	24	0.012	0.012	323	512	278	556	-	4.31	
10	0	30	8	10.8	21.8	19	0	29	40	6	5.5	8.5	4.1	29	-	29	-	29	0.012	0.012	499	793	408	815	-	7.24	
12	-0.009	32	8	10.4	22.4	21	0	30	42	6	6	9	4.1	32	-	32	-	32	0.012	0.012	722	1146	579	1157	-	10.9	
13	0	34	10	11.4	23.4	23	-0.016	32	43	6	6	9	4.1	33	-	33	-	33	0.012	0.012	773	1226	634	1268	-	11.6	
16	0	40	16	12.8	24.8	28	0	37	48	6	6	9	4.1	38	-	38	-	38	0.012	0.012	1330	2112	1029	2058	-	19.7	
20	0	46	28	14.8	23.8	32	0	42	54	6	6	9	4.1	43	-	43	-	43	0.012	0.012	1609	2554	1517	3035	-	26.8	

⚠ For Precautions for Use, see P.303.

⚠ Perpendicularity of D to flange mounting surface kgf=Nx0.101972

Part Number	Type	dr	Unit Price		Mass (g)	
			LBHR	LBHC	Round	Compact
6	LBHR					