

# Linear Bushings with Lubrication Unit MX

## Flanged Single with Pilot / Flanged Double with Pilot

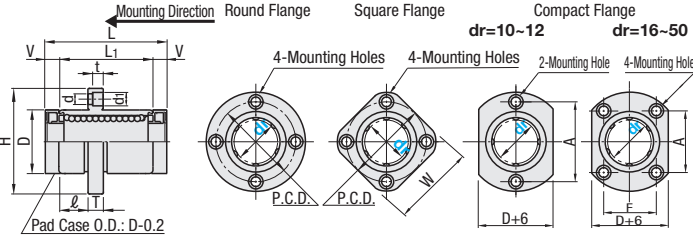
Lubrication Unit **MX** realizes maintenance free.

■ **Features:** Easy to assemble with bolt-on flanges. The linear bushing does not protrude out on the front side for good space utilization.

**MISUMI Original**



Type			Outer Cylinder			Balls	Pad Case / Retainer	Ambient Operating Temp.	Accessory
Round Flanged	Square Flanged	Compact Flanged	Material	Hardness	Surface Treatment	Material	Material		
LHIFR-MX	LHIFS-MX	LHIFC-MX	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber



■ 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.  
 ☉ For Piloted and Flanged Type application examples, see **P.307**.

Part Number	Type	dr	Tolerance	D	Tolerance	L	L1	Tolerance	V	ℓ	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Basic Load Rating			Mass (g)		
																							C (Dynamic)	N (Co)	Co (Static)	Round Flange	Square Flange	Compact Flange
LHIFR-MX LHIFS-MX LHIFC-MX	10	0	-0.009	19	0	39	29	±0.3	5	6	40	6	4.5	7.5	4.1	29	30	-	29	0.012	4	0.012	372	549	76	56	68	
	12	0	-0.009	21	-0.016	41	30	±0.3	5.5	6	42	6	4.5	7.5	4.1	32	32	-	32	0.012	4	0.012	412	598	80	61	72	
	16	0	-0.010	28	-0.019	49	37	±0.3	6	8	48	8	5.5	9	5.1	38	37	22	31	0.015	5	0.015	775	1180	127	111	119	
	20	0	-0.010	32	-0.019	56	42	±0.3	7	8	54	8	5.5	9	5.1	43	42	24	36	0.015	5	0.015	882	1370	191	156	178	
	25	0	-0.010	40	-0.019	77	59	±0.3	9	10	74	10	6.6	11	6.1	51	50	32	40	0.015	6	0.015	980	1570	359	319	344	
	30	0	-0.012	45	-0.022	84	64	±0.3	10	10	82	10	6.6	11	6.1	60	58	35	49	0.020	6	0.020	1570	2740	494	399	412	
	35	0	-0.012	52	-0.022	92	70	±0.3	11	12	86	12	9	14	8.1	67	64	38	55	0.020	6	0.020	1670	3140	678	588	603	
	40	0	-0.012	60	-0.022	104	80	±0.3	12	12	96	13	9	14	8.1	78	75	45	64	0.020	6	0.020	2160	4020	1093	913	946	
	40	0	-0.012	80	-0.022	128	100	±0.3	14	13	116	13	9	14	8.1	98	92	56	80	0.020	6	0.020	3820	7940	2263	2063	2100	

☉ For Precautions for Use, see **P.303**. ☉ Select Height-adjusting Spacers for Flanged Bushings from **P.330**. \* Perpendicularity of D to flange mounting surface kgf=Nx0.101972

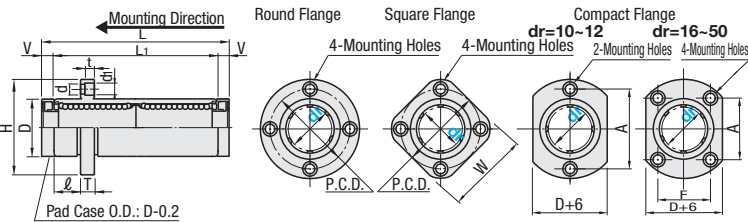
Lubrication Unit **MX** realizes maintenance free.

■ **Features:** Easy to assemble with bolt-on flanges. The linear bushing does not protrude out on the front side for good space utilization.

**MISUMI Original**



Type			Outer Cylinder			Balls	Pad Case / Retainer	Ambient Operating Temp.	Accessory
Round Flanged	Square Flanged	Compact Flanged	Material	Hardness	Surface Treatment	Material	Material		
LHIRW-MX	LHISW-MX	LHICW-MX	SUJ2 Equivalent	58HRC~	-	SUJ2 Equivalent	Plastic (Duracon M90 Equivalent)	-20~80°C	Seal Material Nitrile Rubber



■ 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.  
 ☉ For Piloted and Flanged Type application examples, see **P.307**.

Part Number	Type	dr	Tolerance	D	Tolerance	L	L1	Tolerance	V	ℓ	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Basic Load Rating			Allowable Static Moment (Mo N·m)	Mass (g)		
																							C (Dynamic)	N (Co)	Co (Static)		Round Flange	Square Flange	Compact Flange
LHIRW-MX LHISW-MX LHICW-MX	10	0	-0.010	19	0	65	55	±0.3	5	6	40	6	4.5	7.5	4.1	29	30	-	29	0.015	4	0.015	588	1100	7.24	102	82	94	
	12	0	-0.010	21	-0.016	68	57	±0.3	5.5	6	42	6	4.5	7.5	4.1	32	32	-	32	0.015	4	0.015	657	1200	10.9	114	94	106	
	16	0	-0.010	28	-0.019	82	70	±0.3	6	8	48	8	5.5	9	5.1	38	37	22	31	0.020	5	0.020	1230	2350	19.7	197	172	189	
	20	0	-0.012	32	-0.019	94	80	±0.3	7	8	54	8	5.5	9	5.1	43	42	24	36	0.020	5	0.020	1400	2740	26.8	271	236	258	
	25	0	-0.012	40	-0.019	130	112	±0.3	9	10	74	10	6.6	11	6.1	51	50	32	40	0.020	6	0.020	1560	3140	43.4	559	519	544	
	30	0	-0.012	45	-0.022	143	123	±0.3	10	10	82	10	6.6	11	6.1	60	58	35	49	0.025	6	0.025	2490	5490	82.8	704	614	669	
	35	0	-0.015	52	-0.022	157	135	±0.3	11	12	86	12	9	14	8.1	67	64	38	55	0.025	6	0.025	2650	6270	110	1048	958	973	
	40	0	-0.015	60	-0.022	175	151	±0.3	12	13	96	13	9	14	8.1	78	75	45	64	0.025	6	0.025	3430	8040	147	1603	1413	1456	
	40	0	-0.015	80	-0.022	220	192	±0.3	14	13	116	13	9	14	8.1	98	92	56	80	0.025	6	0.025	6080	15900	397	3663	3463	3500	

☉ For Precautions for Use, see **P.303**. ☉ Select Height-adjusting Spacers for Flanged Bushings from **P.330**. \* Perpendicularity of D to flange mounting surface kgf=Nx0.101972

dr	Flanged, Single, Pilot						Flanged, Double, Pilot							
	Round Flange		Square Flange		Compact Flange		Round Flange		Square Flange		Compact Flange			
	LHIFR-MX	LHIFS-MX	LHIFC-MX	LHIFC-MX	LHIFC-MX	LHIFC-MX	LHIRW-MX	LHISW-MX	LHICW-MX	LHICW-MX	LHICW-MX	LHICW-MX		
Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	
10	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.	1 ~ 9 pc(s).	10~20 pcs.
12														
16														
20														
25														
30														
35														
40														
50														

Ordering Example  
 Part Number  
 LHIFS-MX25  
 LHIRW-MX16

☉ Various Grease Application Services are not applicable.

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