

Linear Bushings with Lubrication Unit MX

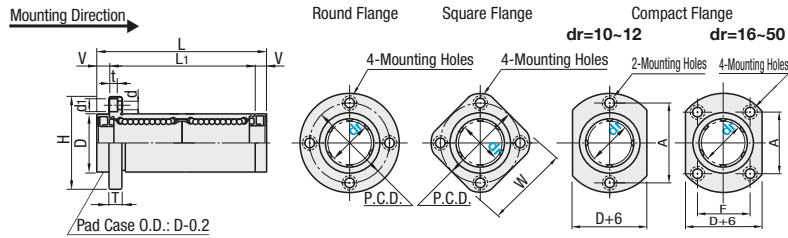
Flanged Double / Center Flanged Double

Lubrication Unit **MX** realizes maintenance free. ■ Features: Easy to assemble with bolt-on flanges.

MISUMI Original



Type	Outer Cylinder	Balls	Pad Case / Retainer	Ambient Operating Temp.	Accessory
Round Flanged	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: Electroless Nickel Plating	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: EN 1.4125 Equiv.	Material: Plastic (Duracon M90 Equiv.)	-20~80°C	Seal: Material Nitrile Rubber
Square Flanged					
Compact Flanged					



■ 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.

Part Number	Type	dr	D Tolerance		L	L1 Tolerance	V	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Basic Load Rating			Mass (g)		
			No Surface Treatment	Surface Treatment																C (Dynamic) N	Co (Static) N	Static Moment (Mo N·m)	Round Flange	Square Flange	Compact Flange
LHFRW-MX	10	0	-0.010	19	0	65	55	5	40	6	4.5	7.5	4.1	29	30	-	29	4	0.015	588	1100	7.24	102	82	94
LHFSW-MX	12	0	-0.016	21	0	68	57	5.5	42	6	4.5	7.5	4.1	32	32	-	32	4	0.015	657	1200	10.9	114	94	106
LHFCW-MX	16	0	-0.021	28	0	82	70	6	48	8	5.5	9	5.1	38	37	22	31	5	0.020	1230	2350	19.7	172	172	189
LHFRWM-MX	20	0	-0.012	32	0	94	80	7	54	8	5.5	9	5.1	43	42	24	36	6	0.020	1400	2740	26.8	271	236	258
LHFSWM-MX	25	0	-0.012	40	0	130	112	9	62	10	6.6	11	6.1	51	50	32	40	6	0.025	1560	3140	43.4	559	519	544
LHFCWM-MX	30	0	-0.015	45	0	143	123	10	74	10	6.6	11	6.1	60	58	35	49	6	0.025	2490	5490	82.8	704	614	669
	35	0	-0.015	52	0	157	135	11	82	10	6.6	11	6.1	67	64	38	55	6	0.025	2650	6270	110	1048	958	973
	40	0	-0.015	60	0	175	151	12	96	13	9	14	8.1	78	75	45	64	6	0.025	3430	8040	147	1603	1413	1456
	50	0	-0.022	80	0	220	192	14	116	14	11.6	14	8.1	98	92	56	80	6	0.025	6080	15900	397	3663	3463	3500

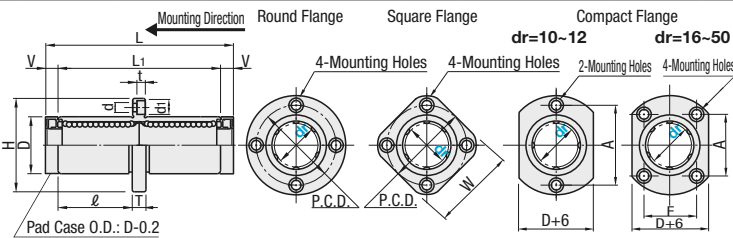
⚠ For Precautions for Use, see P.303. ⚠ Select Height-adjusting Spacers for Flanged Bushings from P.330. * Perpendicularity of D to flange mounting surface kgf=Nx0.101972

Lubrication Unit **MX** realizes maintenance free. ■ Features: Easy to assemble with bolt-on flanges. A load can be placed near the center of the bushing, evenly distributing the load and space.

MISUMI Original



Type	Outer Cylinder	Balls	Pad Case / Retainer	Ambient Operating Temp.	Accessory
Round Flanged	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: Electroless Nickel Plating	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: EN 1.4125 Equiv.	Material: Plastic (Duracon M90 Equiv.)	-20~80°C	Seal: Material Nitrile Rubber
Square Flanged					
Compact Flanged					



■ 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 Center Flanged Type application examples, see P.314.

Part Number	Type	dr	D Tolerance		L	L1 Tolerance	V	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Basic Load Rating			Mass (g)			
			No Surface Treatment	Surface Treatment																C (Dynamic) N	Co (Static) N	Static Moment (Mo N·m)	Round Flange	Square Flange	Compact Flange	Round Flange
LHMRW-MX	10	0	-0.010	19	0	65	55	5	24.5	40	6	4.5	7.5	4.1	29	30	-	29	4	0.015	588	1100	7.24	102	82	94
LHMSW-MX	12	0	-0.016	21	0	68	57	5.5	25.5	42	6	4.5	7.5	4.1	32	32	-	32	4	0.015	657	1200	10.9	114	94	106
LHMCW-MX	16	0	-0.021	28	0	82	70	6	32	48	8	5.5	9	5.1	38	37	22	31	5	0.020	1230	2350	19.7	172	172	189
	20	0	-0.012	32	0	94	80	7	36	54	8	5.5	9	5.1	43	42	24	36	6	0.020	1400	2740	26.8	271	236	258
	25	0	-0.012	40	0	130	112	9	52	62	10	6.6	11	6.1	51	50	32	40	6	0.020	1560	3140	43.4	559	519	544
	30	0	-0.015	45	0	143	123	10	56.5	74	10	6.6	11	6.1	60	58	35	49	6	0.020	2490	5490	82.8	704	614	669
	35	0	-0.014	52	0	157	135	11	62.5	82	10	6.6	11	6.1	67	64	38	55	6	0.025	2650	6270	110	1048	958	973
	40	0	-0.014	60	0	175	151	12	69	96	13	9	14	8.1	78	75	45	64	6	0.025	3430	8040	147	1603	1413	1456
	50	0	-0.022	80	0	220	192	14	89.5	116	14	11.6	14	8.1	98	92	56	80	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, Double												Center Flanged Double					
	Round Flange				Square Flange				Compact Flange				Round Flange	Square Flange	Compact Flange	Round Flange	Square Flange	Compact Flange
	LHFRW-MX	LHFRWM-MX	LHFSW-MX	LHFSWM-MX	LHFCW-MX	LHFCWM-MX	LHMRW-MX	LHMSW-MX	LHMCW-MX	LHMRW-MX	LHMSW-MX	LHMCW-MX	LHMRW-MX	LHMSW-MX	LHMCW-MX	LHMRW-MX	LHMSW-MX	LHMCW-MX
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.	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.	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
LHFRW-MX16
LHMSW-MX20

⚠ Various Grease Application Services are not applicable.

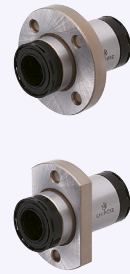
⚠ For orders larger than indicated quantity, please request a quotation.

Linear Bushings with Lubrication Unit MX

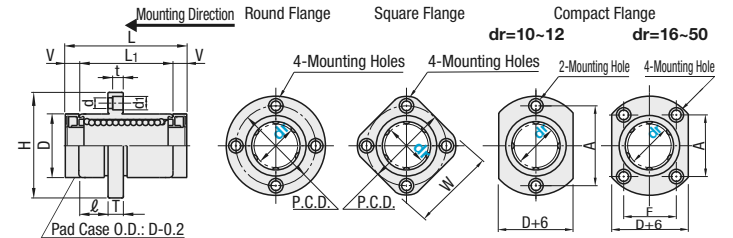
Flanged Single with Pilot / Flanged Double with Pilot

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	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: Electroless Nickel Plating	Material: EN 1.3505 Equiv. Hardness: 58HRC~ Surface Treatment: EN 1.4125 Equiv.	Material: Plastic (Duracon M90 Equiv.)	-20~80°C	Seal: Material Nitrile Rubber
Square Flanged					
Compact Flanged					



■ 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	D Tolerance		L	L1 Tolerance	V	H	T	d	d1	t	P.C.D.	W	F	A	Eccentricity	Rows of Balls	Perpendicularity	Basic Load Rating			Mass (g)		
			No Surface Treatment	Surface Treatment																C (Dynamic) N	Co (Static) N	Static Moment (Mo N·m)	Round Flange	Square Flange	Compact Flange
LHIFR-MX	10	0	-0.009	19	0	65	55	5	6	40	6	4.5	7.5	4.1	29	30	-	29	4	0.012	372	549	76	56	68
LHIFS-MX	12	0	-0.016	21	0	68	57	5.5	6	42	6	4.5	7.5	4.1	32	32	-	32	4	0.012	412	598	80	61	72
LHIFC-MX	16	0	-0.021	28	0	82	70	6	48	48	8	5.5	9	5.1	38	37	22	31	5	0.015	775	1180	127	111	119
	20	0	-0.010	32	0	94	80	7	54	54	8	5.5	9	5.1	43	42	24	36	6	0.015	882	1370	191	156	178
	25	0	-0.012	40	0	130	112	9	62	62	10	6.6	11	6.1	51	50	32	40	6	0.015	980	1570	359	319	344
	30	0	-0.015	45	0	143	123	10	74	74	10	6.6	11	6.1	60	58	35	49	6	0.020	1570	2740	494	399	412
	35	0	-0.012	52	0	157	135	11	82	82	10	6.6	11	6.1	67	64	38	55	6	0.020	1670	3140	678	588	603
	40	0	-0.012	60	0	175	151	12	96	96	13	9	14	8.1	78	75	45	64	6	0.020	2160	4020	1093	913	946
	50	0	-0.022	80	0	220	192	14	116	116	13	9	14	8.1	98	92	56	80	6	0.020	3820	7940	2263	2063	2100

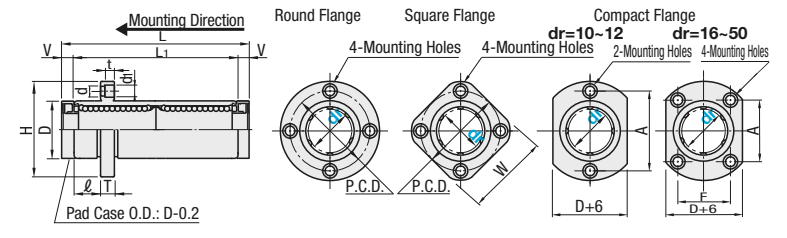
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Part Number	Type	dr	D Tolerance		L	L1 Tolerance	V	H	T	d	d1	t	P.C.D.	W	F	A
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