



Self Aligning Linear Bush Bearings:

Self-Aligning Linear Bush Bearings are particularly suitable for applications where misalignment occurs from errors in mounting or from shaft deflection. This self-alignment allows self-alignment up to 0.5 degree & eliminates any pressure caused by inaccurate machining, shaft deflection & mounting errors.

Self-Aligning Linear Bush Bearings can be easily interchanged with linear bush bearing.

Part Number:

European Standard Self Aligning Linear Bush Bearings

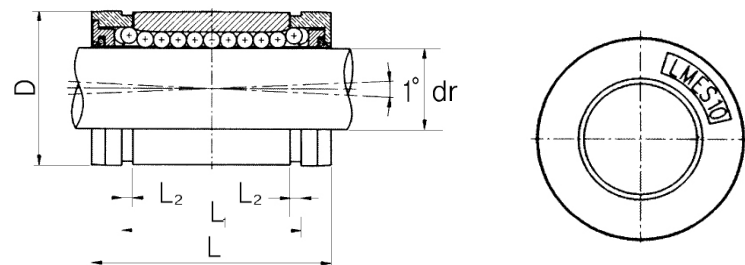
LMES / LMES**OP**

US Standard Self Aligning Linear Bush Bearings

LMBS / LMBS**OP**

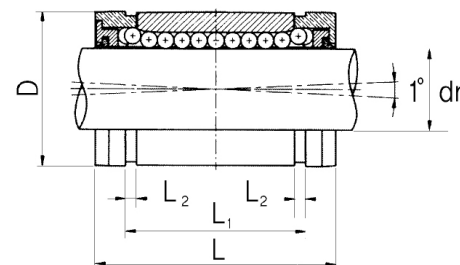
Prefix and Corresponding Description for Self-Aligning Linear Bush Bearings	
Prefix	Description of Prefix
LM	Linear Bushing
ES	Metric Series
BS	Inch Series
Suffix and Corresponding Description for Self-Aligning Linear Bush Bearings	
Suffix	Description of Suffix
Blank	No Seal
U	One Side Seal
UU	Both Side Seal
Blank	Standard Type
OP	Open Type
Blank	No – Plating Standard
S	Stainless Steel

European Standard
Self Aligning Linear Bush Bearings LMES**



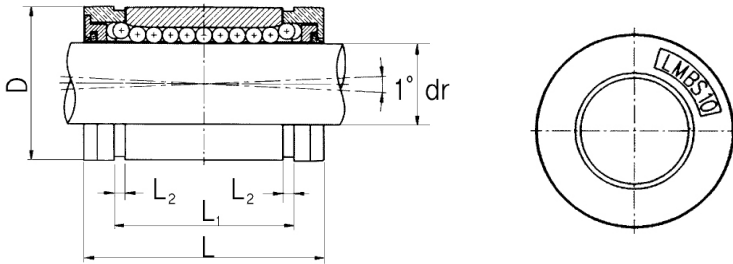
PART NUMBER	DIA METER		D*	L	L ₁	L ₂	BASIC LOAD RATING (N)		NO.OF BALL CIRCUIT	WEIGHT (gf)
	dr.	TOLERANCE		±0.2	±0.2	min	DYNAMIC** (C)	STATIC** (Co)		
LMES10	10	+0.008 0	19	29	21.7	1.35	750	550	5	17
LMES12	12	+0.008 0	22	32	22.7	1.35	1230	1100	5	23
LMES16	16	+0.009 +0.001	26	36	24.7	1.35	1550	1250	5	28
LMES20	20	+0.009 +0.001	32	45	31.3	1.65	2580	1670	6	61
LMES25	25	+0.011 +0.001	40	58	43.8	1.9	3800	2750	6	122
LMES30	30	+0.011 +0.001	47	68	51.8	1.9	4710	2800	6	185
LMES40	40	+0.013 +0.002	62	80	60.4	2.2	6500	5720	6	360
LMES50	50	+0.013 +0.002	75	100	77.4	2.7	11460	7940	6	580

European Standard
Self Aligning Linear Bush Bearings LMES**OP

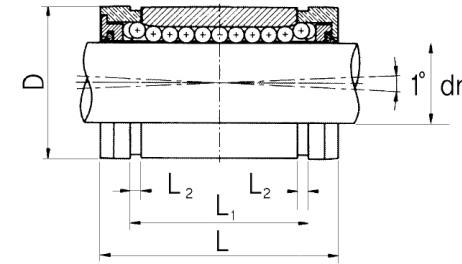


PART NUMBER	DIA METER		D*	L	L ₁	L ₂	h	θ	F	G	J	BASIC LOAD RATING (N)		NO.OF BALL CIRCUIT	WEIGHT (gf)
	dr.	TOLERANCE		±0.2	±0.2	min						DYNAMIC** (C)	STATIC** (Co)		
LMES12 OP	12	+0.008 0	22	32	22.7	1.35	6.5	66	3	-	0.7	1290	1260	4	18
LMES16 OP	16	0.009 +0.001	26	36	24.7	1.35	9	68	3	-	0.7	1640	1320	4	22
LMES20 OP	20	0.009 +0.001	32	45	31.3	1.65	9	55	3	-	0.9	2630	1720	5	51
LMES25 OP	25	+0.011 +0.001	40	58	43.8	1.9	11.5	57	3	1.5	1.4	3910	2850	5	102
LMES30 OP	30	+0.011 +0.001	47	68	51.8	1.9	14	57	3	2	2.2	4850	2900	5	155
LMES40 OP	40	+0.013 +0.001	62	80	60.4	2.2	19.5	56	3	1.5	2.7	6700	5900	5	300
LMES50 OP	50	+0.013 +0.001	75	100	77.4	2.7	22.5	54	5	2.5	2.3	11700	8100	5	480

US Standard
Self Aligning Linear Bush Bearings LMBS**



US Standard
Self Aligning Linear Bush Bearings LMBS**OP



PART NUMBER	DIA METER		D*	L	L1	L2	BASIC LOAD RATING(lbf)		NO.OF BALL CIRCUIT	WEIGHT (lbf)
	dr.	TOLERANCE				min	DYNAMIC C(lbf)	STATIC Co(lbf)		
LMBS4	0.2500	⁰ -0.0005	0.5000	0.750/0.735	0.511/0.501	0.039	57	49	4	0.01
LMBS6	0.3750	⁰ -0.0005	0.6250	0.875/0.860	0.699/0.689	0.039	78	66	4	0.02
LMBS8	0.5000	⁰ -0.0005	0.8750	1.250/1.230	1.032/1.012	0.05	210	190	4	0.05
LMBS10	0.6250	⁰ -0.0005	1.1250	1.500/1.480	1.105/1.095	0.056	290	340	5	0.08
LMBS12	0.7500	⁰ -0.0005	1.2500	1.625/1.605	1.270/1.250	0.056	500	430	6	0.14
LMBS16	1.0000	⁰ -0.0005	1.5625	2.250/2.230	1.884/1.864	0.07	820	780	6	0.29
LMBS20	1.2500	⁰ -0.0006	2.0000	2.625/2.600	2.004/1.984	0.068	1240	1270	6	0.40
LMBS24	1.5000	⁰ -0.0006	2.3750	3.000/2.970	2.410/2.390	0.086	1510	1540	6	0.80
LMBS32	2.0000	⁰ -0.0008	3.0000	4.000/3.960	3.193/3.163	0.105	2230	2580	6	1.38

PART NUMBER	DIA METER		D*	L	L1	F	G	J	L2	h	BASIC LOAD RATING(lbf)		NO.OF BALL CIRCUIT	WEIGHT (lbf)
	dr.	TOLERANCE									DYNAMIC C(lbf)	STATIC Co (lbf)		
LMBS8 OP	0.5000	⁰ -0.0005	0.8750	1.250/1.230	1.032	0.14	0.63	Thru	0.050	0.32	210	190	3	0.03
LMBS10 OP	0.6250	⁰ -0.0005	1.1250	1.500/1.480	1.105	0.11	0.13	0.039	0.056	0.38	320	340	4	0.06
LMBS12 OP	0.7500	⁰ -0.0005	1.2500	1.625/1.605	1.270	0.14	0.13	0.059	0.056	0.43	510	430	5	0.11
LMBS16 OP	1.0000	⁰ -0.0005	1.5625	2.250/2.230	1.884	0.14	0.13	0.047	0.070	0.56	830	780	5	0.21
LMBS20 OP	1.2500	⁰ -0.0006	2.0000	2.625/2.600	2.004	0.20	0.19	0.090	0.068	0.63	1250	1270	5	0.35
LMBS24 OP	1.5000	⁰ -0.0006	2.3750	3.000/2.970	2.410	0.20	0.19	0.090	0.086	0.75	1520	1540	5	0.67
LMBS32 OP	2.0000	⁰ -0.0008	3.0000	4.000/3.960	3.193	0.27	0.31	Thru	0.105	1.00	2250	2580	5	1.10