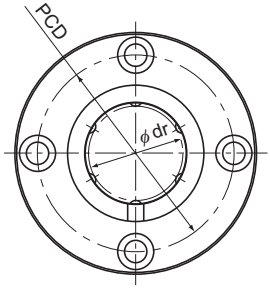
Model LMF

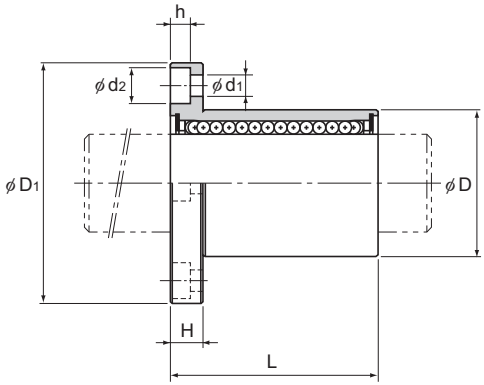


Model LMF

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMF 6	4	6	0 −0.009	12	0 −0.011	19	0 −0.2	28	0 −0.2
LMF 8S	4	8		15		17		32	
LMF 8	4	8		15		24		32	
LMF 10	4	10		19	0 −0.013	29		39	
LMF 12	4	12		21		30		42	
LMF 13	4	13		23		32		43	
LMF 16	5	16		28		37		48	
LMF 20	5	20	0 −0.010	32	0 −0.016	42		54	
LMF 25	6	25		40		59	0 −0.3	62	
LMF 30	6	30		45		64		74	
LMF 35	6	35	0 −0.012	52	0 −0.019	70		82	
LMF 40	6	40		60		80		96	0 −0.3
LMF 50	6	50		80		100		116	
LMF 60	6	60	0 −0.015	90	0 −0.022	110		134	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMF25 UU
Seal attached on both ends of the nut



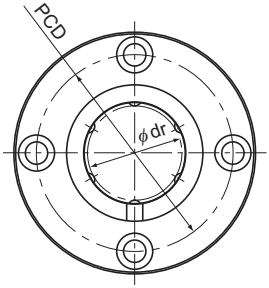
Unit: mm

	H	PCD	Mounting hole d1×d2×h	Flange perpendicularity µm	Eccentricity (max) µm	Radial clearance tolerance µm	Basic load rating C N	Basic load rating C0 N	Mass g
	5	20	3.4×6.5×3.3	12	12	–5	206	265	23
	5	24	3.4×6.5×3.3	12	12	–5	176	225	29
	5	24	3.4×6.5×3.3	12	12	–5	265	402	33
	6	29	4.5×8×4.4	12	12	–5	373	549	59
	6	32	4.5×8×4.4	12	12	–5	412	598	68
	6	33	4.5×8×4.4	12	12	–7	510	775	80
	6	38	4.5×8×4.4	12	12	–7	775	1180	126
	8	43	5.5×9.2×5.4	15	15	–9	863	1370	160
	8	51	5.5×9.2×5.4	15	15	–9	980	1570	305
	10	60	6.6×11×6.5	15	15	–9	1570	2750	422
	10	67	6.6×11×6.5	20	20	–13	1670	3140	583
	13	78	9×14×8.6	20	20	–13	2160	4020	960
	13	98	9×14×8.6	20	20	–13	3820	7940	1920
	18	112	11×17.5×10.8	25	25	–13	4710	10000	2720

Note: If a lubrication hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-115

Model LMF-M (Stainless Steel Type)

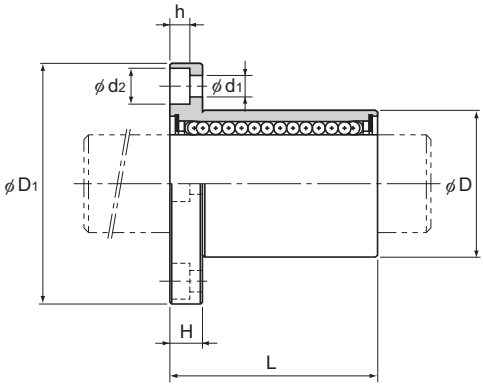


Model LMF-M

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMF 6M	4	6	0 –0.009	12	0 –0.011	19	0 –0.2	28	0 –0.2
LMF 8SM	4	8		15		17		32	
LMF 8M	4	8		15		24		32	
LMF 10M	4	10		19	0 –0.013	29		39	
LMF 12M	4	12		21		30		42	
LMF 13M	4	13		23		32		43	
LMF 16M	5	16		28		37		48	
LMF 20M	5	20	0 –0.010	32	0 –0.016	42	0 –0.3	54	
LMF 25M	6	25		40		59		62	
LMF 30M	6	30		45		64		74	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMF20M UU
Seal attached on both ends of the nut



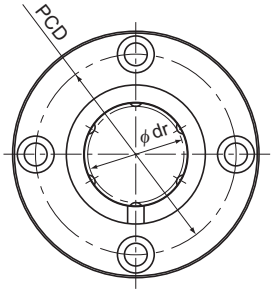
Unit: mm

				Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		
	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	Mass g
	5	20	3.4×6.5×3.3	12	12	–5	206	265	23
	5	24	3.4×6.5×3.3	12	12	–5	176	225	29
	5	24	3.4×6.5×3.3	12	12	–5	265	402	33
	6	29	4.5×8×4.4	12	12	–5	373	549	59
	6	32	4.5×8×4.4	12	12	–5	412	598	68
	6	33	4.5×8×4.4	12	12	–7	510	775	80
	6	38	4.5×8×4.4	12	12	–7	775	1180	126
	8	43	5.5×9.2×5.4	15	15	–9	863	1370	160
	8	51	5.5×9.2×5.4	15	15	–9	980	1570	305
	10	60	6.6×11×6.5	15	15	–9	1570	2750	422

Notes: Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.
If a lubrication hole is required, this can be indicated by appending "OH" to the end of the model number.
For further information, contact THK.

Options⇒A4-115

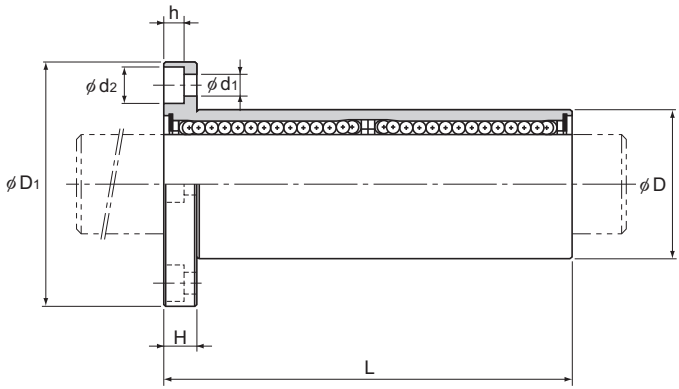
Model LMF-L



Model LMF-L

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMF 6L	4	6	0 –0.010	12	0 –0.013	35	0 –0.3	28	0 –0.2
LMF 8L	4	8		15		45		32	
LMF 10L	4	10		19	0 –0.016	55		39	
LMF 12L	4	12		21		57		42	
LMF 13L	4	13		23		61		43	
LMF 16L	5	16		28		70		48	
LMF 20L	5	20	0 –0.012	32	0 –0.019	80		54	
LMF 25L	6	25		40		112	0 –0.4	62	
LMF 30L	6	30		45		123		74	
LMF 35L	6	35	0 –0.015	52	0 –0.022	135		82	
LMF 40L	6	40		60		154		96	0 –0.3
LMF 50L	6	50		80		192		116	
LMF 60L	6	60	0 –0.020	90	0 –0.025	211		134	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.
(Example) LMF35L UU
Seal attached on both ends of the nut



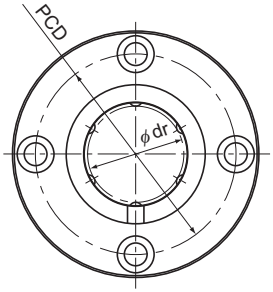
Unit: mm

				Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass
	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	g
	5	20	3.4×6.5×3.3	15	15	–5	324	529	29
	5	24	3.4×6.5×3.3	15	15	–5	431	784	45
	6	29	4.5×8×4.4	15	15	–5	588	1100	81
	6	32	4.5×8×4.4	15	15	–5	657	1200	93
	6	33	4.5×8×4.4	15	15	–7	814	1570	115
	6	38	4.5×8×4.4	15	15	–7	1230	2350	194
	8	43	5.5×9.2×5.4	20	20	–9	1400	2750	250
	8	51	5.5×9.2×5.4	20	20	–9	1560	3140	500
	10	60	6.6×11×6.5	20	20	–9	2490	5490	646
	10	67	6.6×11×6.5	25	25	–13	2650	6270	930
	13	78	9×14×8.6	25	25	–13	3430	8040	1488
	13	98	9×14×8.6	25	25	–13	6080	15900	3268
	18	112	11×17.5×10.8	25	25	–13	7650	20000	4342

Note: If a lubrication hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-115

Model LMF-ML (Stainless Steel Type)

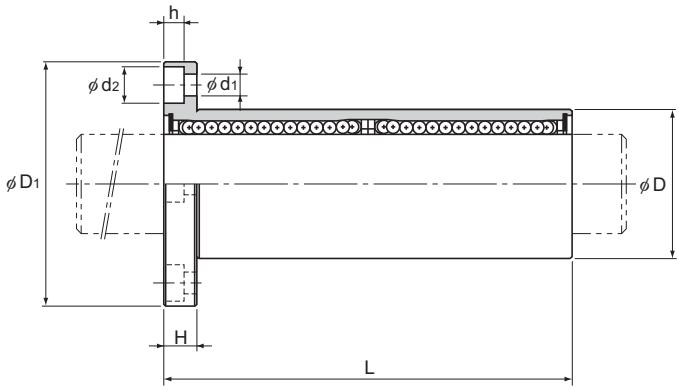


Model LMF-ML

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMF 6ML	4	6	0 –0.010	12	0 –0.013	35	0 –0.3	28	0 –0.2
LMF 8ML	4	8		15		45		32	
LMF 10ML	4	10		19	0 –0.016	55		39	
LMF 12ML	4	12		21		57		42	
LMF 13ML	4	13		23		61		43	
LMF 16ML	5	16		28		70		48	
LMF 20ML	5	20	0 –0.012	32	0 –0.019	80		54	
LMF 25ML	6	25		40		112	0 –0.4	62	
LMF 30ML	6	30		45		123		74	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMF13ML UU
Seal attached on both ends of the nut



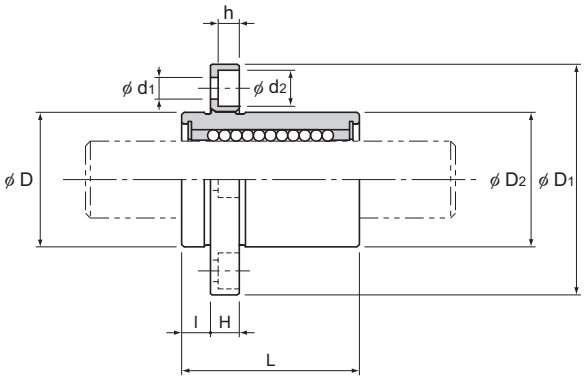
Unit: mm

				Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass
	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	g
	5	20	3.4×6.5×3.3	15	15	–5	324	529	29
	5	24	3.4×6.5×3.3	15	15	–5	431	784	45
	6	29	4.5×8×4.4	15	15	–5	588	1100	81
	6	32	4.5×8×4.4	15	15	–5	657	1200	93
	6	33	4.5×8×4.4	15	15	–7	814	1570	115
	6	38	4.5×8×4.4	15	15	–7	1230	2350	194
	8	43	5.5×9.2×5.4	20	20	–9	1400	2750	250
	8	51	5.5×9.2×5.4	20	20	–9	1560	3140	500
	10	60	6.6×11×6.5	20	20	–9	2490	5490	646

Notes: Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment. If a lubrication hole is required, this can be indicated by appending "OH" to the end of the model number. For further information, contact THK.

Options⇒A4-115

Model LMIF

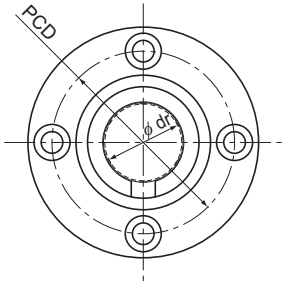


Model LMIF

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Overall length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMIF 6	4	6	0 −0.009	12	0 −0.011	19	±0.3	28	0 −0.2
LMIF 8		8		15		24		32	
LMIF 10		10		19	0 −0.013	29		39	
LMIF 12		12		21		30		42	
LMIF 13		13		23		32		43	
LMIF 16	5	16		28		37		48	
LMIF 20		20	0 −0.010	32	0 −0.016	42		54	
LMIF 25	6	25		40		59		62	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMIF16 UU
Seal attached on both ends of the nut



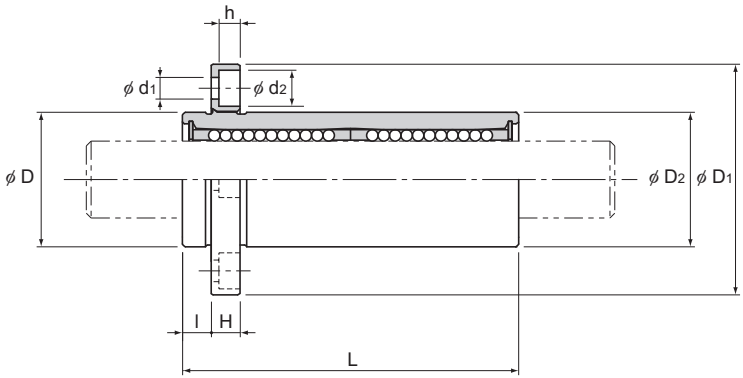
Unit: mm

	Length						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic Load Rating		Mass
	l	Tolerance	D_2	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	g
	5	±0.2	12	5	20	3.4×6×3.3	12	12	–5	206	265	24
			15		24		12		–5	265	402	34
	6		19	6	29	4.5×7.5×4.4	12		–5	373	549	61
			21		32		12		–5	412	598	69
			23		33		12		–7	510	775	81
			28		38		12		–7	775	1180	125
	8		32	8	43	5.5×9×5.4	15	15	–9	863	1370	166
			40		51		15		–9	980	1570	305

Note: If a lubrication hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-115

Model LMIF-L

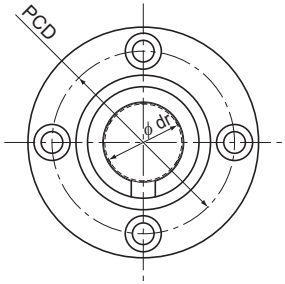


Model LMIF-L

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Overall length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMIF 6L	4	6	0 −0.010	12	0 −0.013	35	±0.3	28	0 −0.2
LMIF 8L		8		15		45		32	
LMIF 10L		10		19	0 −0.016	55		39	
LMIF 12L		12		21		57		42	
LMIF 13L		13		23		61		43	
LMIF 16L	5	16		28		70		48	
LMIF 20L		20	0 −0.012	32	0 −0.019	80		54	
LMIF 25L	6	25		40		112		62	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMIF16L UU
Seal attached on both ends of the nut



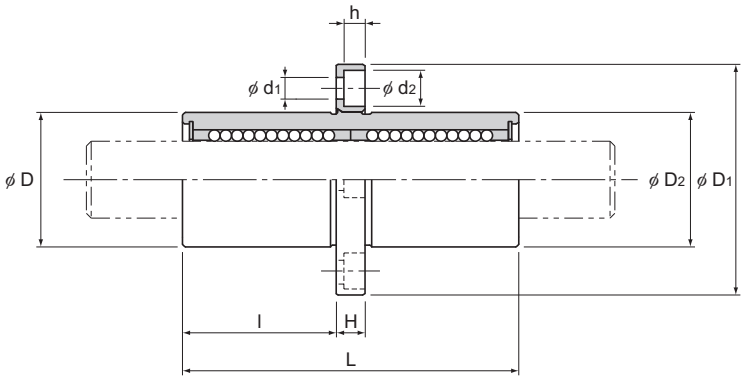
Unit: mm

	Length						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic Load Rating		Mass
	l	Tolerance	D_2	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	g
	5	±0.2	12	5	20	3.4×6×3.3	12	12	–5	324	529	30
			15		24		12		–5	431	784	46
	6		19	6	29	4.5×7.5×4.4	12		–5	588	1100	83
			21		32		12		–5	657	1200	95
			23		33		12		–7	814	1570	117
			28		38		12		–7	1230	2350	196
	8		32	8	43	5.5×9×5.4	15	15	–9	1400	2750	244
			40		51		15		–9	1560	3140	498

Note: If a lubrication hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-115

Model LMCF-L

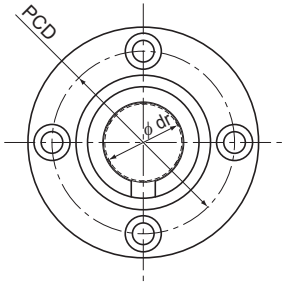


Model LMCF-L

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Overall length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D_1	Tolerance
LMCF 6L	4	6	0 −0.010	12	0 −0.013	35	±0.3	28	0 −0.2
LMCF 8L		8		15		45		32	
LMCF 10L		10		19	0 −0.016	55		39	
LMCF 12L		12		21		57		42	
LMCF 13L		13		23		61		43	
LMCF 16L	5	16		28		70		48	
LMCF 20L		20	0 −0.012	32	0 −0.019	80		54	
LMCF 25L	6	25		40		112		62	

Notes: Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If requiring a type equipped with a seal, indicate it when placing an order.

(Example) LMCF16L UU
Seal attached on both ends of the nut



Unit: mm

	Length						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic Load Rating		Mass
	l	Tolerance	D_2	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C_0 N	g
	15	±0.2	12	5	20	3.4×6×3.3	12	12	–5	324	529	30
	20		15		24		12		–5	431	784	46
	24.5		19	6	29	4.5×7.5×4.4	12		–5	588	1100	83
	25.5		21		32		12		–5	657	1200	95
	27.5		23		33		12		–7	814	1570	117
	32		28		38		12		–7	1230	2350	196
	36		32	8	43	5.5×9×5.4	15	15	–9	1400	2750	244
	52		40		51		15		–9	1560	3140	498

Note: If a lubrication hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-115