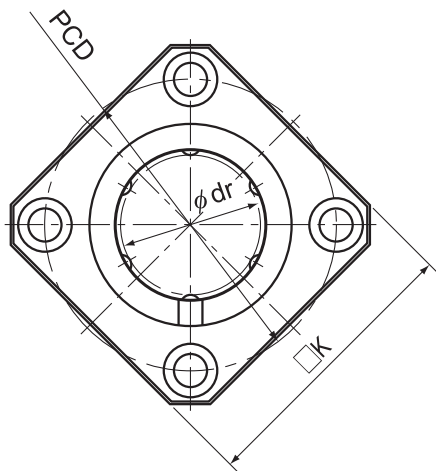


Model LMK



Model LMK

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMK 6	4	6	0 -0.009	12	0 -0.011	19	0 -0.2	28	0 -0.2
LMK 8S	4	8		15		17		32	
LMK 8	4	8		15		24		32	
LMK 10	4	10		19	0 -0.013	29		39	
LMK 12	4	12		21		30		42	
LMK 13	4	13		23		32		43	
LMK 16	5	16	0 -0.010	28	0 -0.016	37		48	
LMK 20	5	20		32		42		54	
LMK 25	6	25		40		59	0 -0.3	62	
LMK 30	6	30	0 -0.012	45	0 -0.019	64		74	
LMK 35	6	35		52		70		82	
LMK 40	6	40		60		80		96	0 -0.3
LMK 50	6	50	0 -0.015	80	0 -0.022	100		116	
LMK 60	6	60		90		110		134	

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

(Example) LMK13 UU
└──────── Seal attached on both ends of the nut

A4-60

THK

Download data by searching for the corresponding model number on the Technical Support site. <https://tech.thk.com>

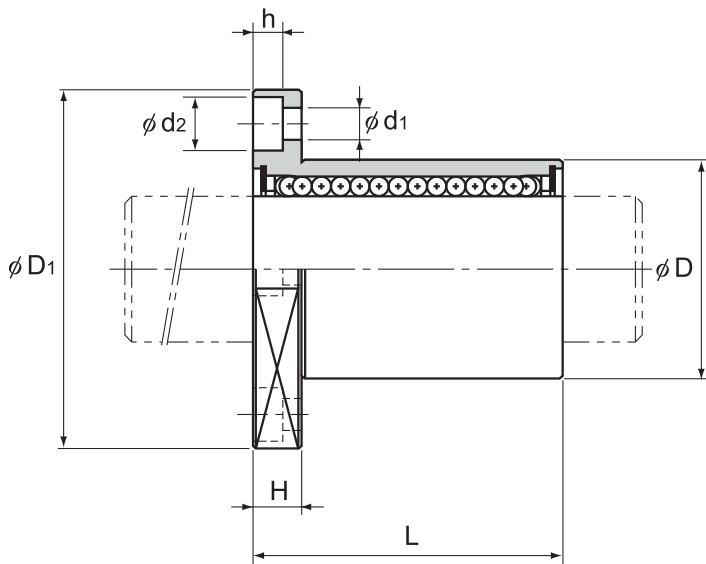


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Unit: mm

					Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C ₀ N	
	22	5	20	3.4×6.5×3.3	12	12	−5	206	265	17
	25	5	24	3.4×6.5×3.3	12	12	−5	176	225	25
	25	5	24	3.4×6.5×3.3	12	12	−5	265	402	26
	30	6	29	4.5×8×4.4	12	12	−5	373	549	45
	32	6	32	4.5×8×4.4	12	12	−5	412	598	50
	34	6	33	4.5×8×4.4	12	12	−7	510	775	67
	37	6	38	4.5×8×4.4	12	12	−7	775	1180	105
	42	8	43	5.5×9.2×5.4	15	15	−9	863	1370	130
	50	8	51	5.5×9.2×5.4	15	15	−9	980	1570	270
	58	10	60	6.6×11×6.5	15	15	−9	1570	2750	344
	64	10	67	6.6×11×6.5	20	20	−13	1670	3140	487
	75	13	78	9×14×8.6	20	20	−13	2160	4020	790
	92	13	98	9×14×8.6	20	20	−13	3820	7940	1705
	106	18	112	11×17.5×10.8	25	25	−13	4710	10000	2278

Note) If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.
For further information, contact THK.

Options⇒A4-119

THK A4-61



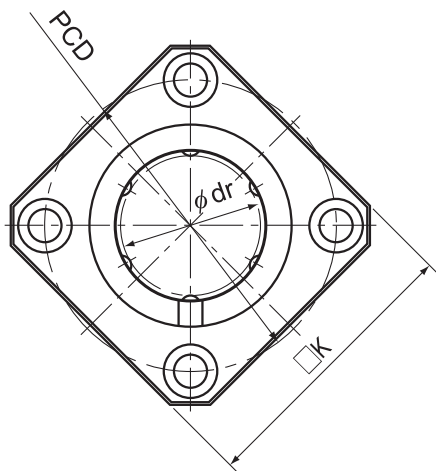
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Model LMK-M (Stainless Steel Type)



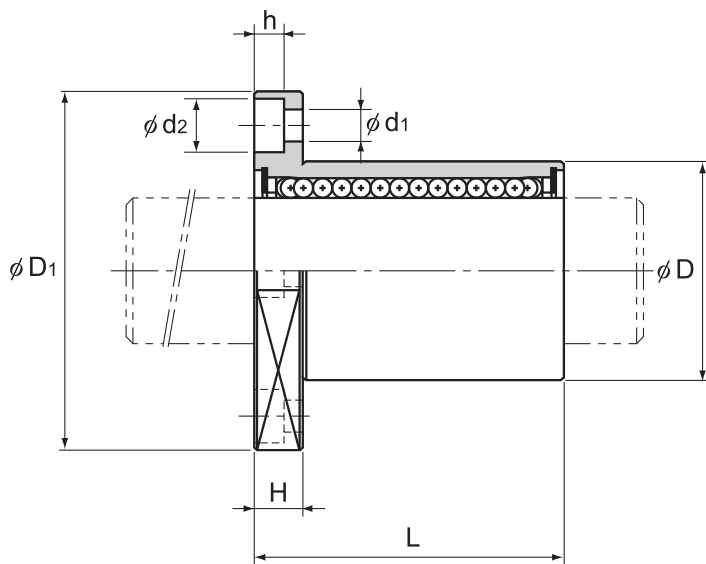
Model LMK-M

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
Standard type									
LMK 6M	4	6	0 -0.009	12	0 -0.011	19	0 -0.2	28	0 -0.2
LMK 8SM	4	8		15		17		32	
LMK 8M	4	8		15		24		32	
LMK 10M	4	10		19	0 -0.013	29		39	
LMK 12M	4	12		21		30		42	
LMK 13M	4	13		23		32		43	
LMK 16M	5	16	0 -0.010	28	0 -0.016	37	0 -0.3	48	
LMK 20M	5	20		32		42		54	
LMK 25M	6	25		40		59		62	
LMK 30M	6	30		45		64		74	

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

(Example) LMK25M UU

Seal attached on both ends of the nut



Unit: mm

					Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C ₀ N	
	22	5	20	3.4×6.5×3.3	12	12	−5	206	265	17
	25	5	24	3.4×6.5×3.3	12	12	−5	176	225	25
	25	5	24	3.4×6.5×3.3	12	12	−5	265	402	26
	30	6	29	4.5×8×4.4	12	12	−5	373	549	45
	32	6	32	4.5×8×4.4	12	12	−5	412	598	50
	34	6	33	4.5×8×4.4	12	12	−7	510	775	67
	37	6	38	4.5×8×4.4	12	12	−7	775	1180	105
	42	8	43	5.5×9.2×5.4	15	15	−9	863	1370	130
	50	8	51	5.5×9.2×5.4	15	15	−9	980	1570	270
	58	10	60	6.6×11×6.5	15	15	−9	1570	2750	344

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

Options⇒A4-119

THK A4-63



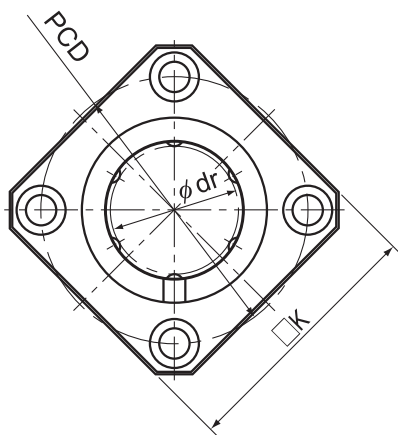
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Model LMK-L



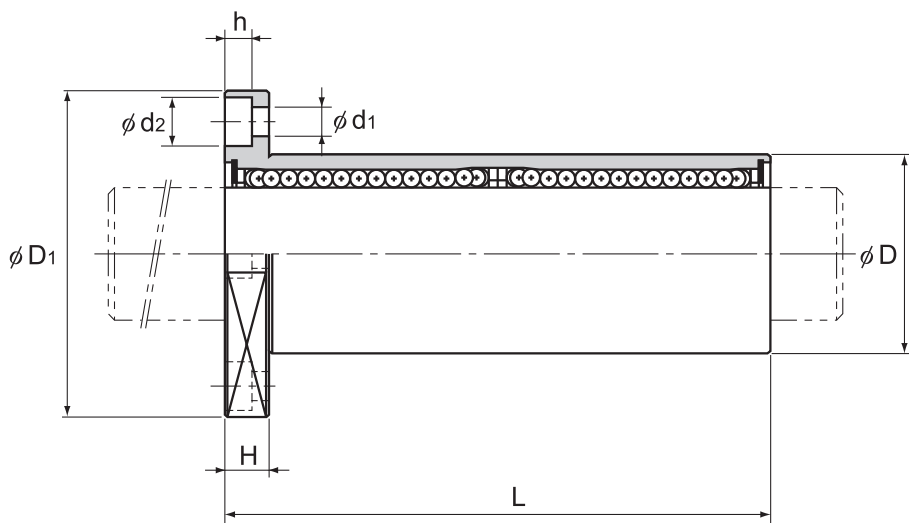
Model LMK-L

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMK 6L	4	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMK 8L	4	8		15	-0.013	45		32	
LMK 10L	4	10		19	0 -0.016	55		39	
LMK 12L	4	12		21		57		42	
LMK 13L	4	13		23		61		43	
LMK 16L	5	16	0 -0.012	28	0 -0.019	70	0 -0.4	48	0 -0.3
LMK 20L	5	20		32		80		54	
LMK 25L	6	25		40		112		62	
LMK 30L	6	30	0 -0.015	45	0 -0.022	123		74	
LMK 35L	6	35		52		135		82	
LMK 40L	6	40		60		154		96	
LMK 50L	6	50	0 -0.020	80	0 -0.025	192		116	
LMK 60L	6	60		90		211		134	

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

(Example) LMK50L UU

Seal attached on both ends of the nut



Unit: mm

					Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	PCD	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C ₀ N	
	22	5	20	3.4×6.5×3.3	15	15	−5	324	529	24
	25	5	24	3.4×6.5×3.3	15	15	−5	431	784	39
	30	6	29	4.5×8×4.4	15	15	−5	588	1100	68
	32	6	32	4.5×8×4.4	15	15	−5	657	1200	76
	34	6	33	4.5×8×4.4	15	15	−7	814	1570	100
	37	6	38	4.5×8×4.4	15	15	−7	1230	2350	176
	42	8	43	5.5×9.2×5.4	20	20	−9	1400	2750	210
	50	8	51	5.5×9.2×5.4	20	20	−9	1560	3140	466
	58	10	60	6.6×11×6.5	20	20	−9	2490	5490	569
	64	10	67	6.6×11×6.5	25	25	−13	2650	6270	825
	75	13	78	9×14×8.6	25	25	−13	3430	8040	1321
	92	13	98	9×14×8.6	25	25	−13	6080	15900	2952
	106	18	112	11×17.5×10.8	25	25	−13	7650	20000	3883

Note) If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.
For further information, contact THK.

Options⇒A4-119

THK A4-65



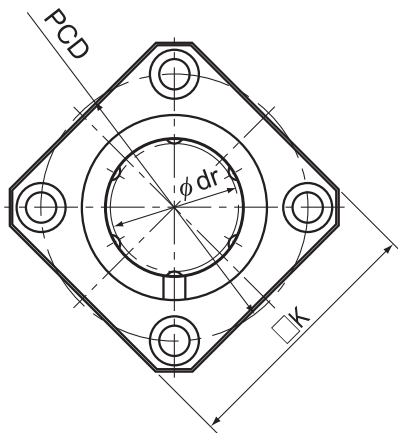
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Model LMK-ML (Stainless Steel Type)



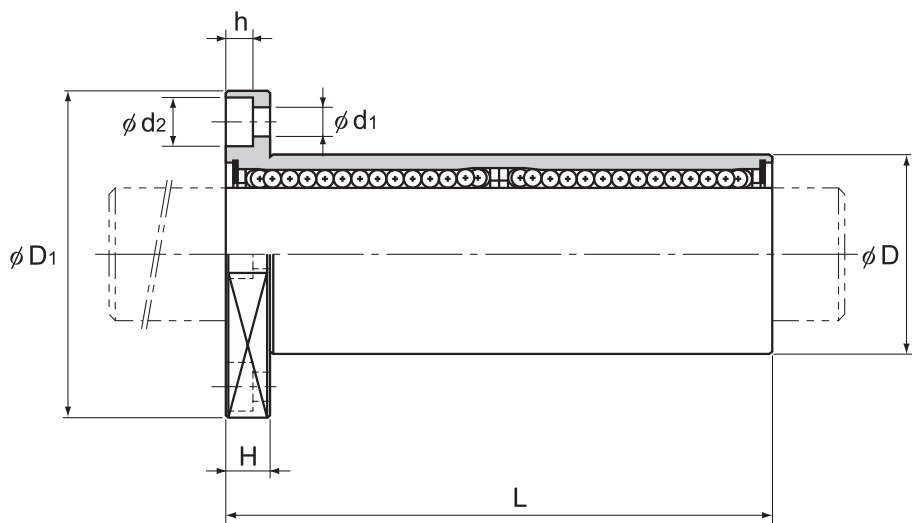
Model LMK-ML

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMK 6ML	4	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMK 8ML	4	8		15	-0.013	45		32	
LMK 10ML	4	10		19	0 -0.016	55		39	
LMK 12ML	4	12		21		57		42	
LMK 13ML	4	13		23		61		43	
LMK 16ML	5	16	0 -0.012	28	0 -0.019	70	0 -0.4	48	
LMK 20ML	5	20		32		80		54	
LMK 25ML	6	25		40		112		62	
LMK 30ML	6	30		45		123		74	

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

(Example) LMK8ML UU

_____ Seal attached on both ends of the nut



Unit: mm

					Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass
	K	H	PCD	Mounting hole d ₁ ×d ₂ ×h	μm	μm	μm	C N	C ₀ N	
	22	5	20	3.4×6.5×3.3	15	15	−5	324	529	24
	25	5	24	3.4×6.5×3.3	15	15	−5	431	784	39
	30	6	29	4.5×8×4.4	15	15	−5	588	1100	68
	32	6	32	4.5×8×4.4	15	15	−5	657	1200	76
	34	6	33	4.5×8×4.4	15	15	−7	814	1570	100
	37	6	38	4.5×8×4.4	15	15	−7	1230	2350	176
	42	8	43	5.5×9.2×5.4	20	20	−9	1400	2750	210
	50	8	51	5.5×9.2×5.4	20	20	−9	1560	3140	466
	58	10	60	6.6×11×6.5	20	20	−9	2490	5490	569

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.
If an oil hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-119

THK A4-67



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