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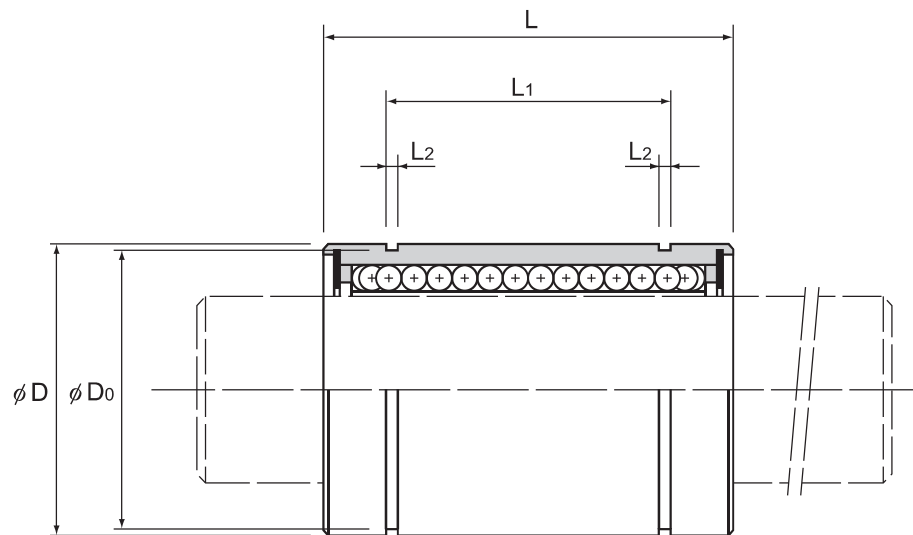
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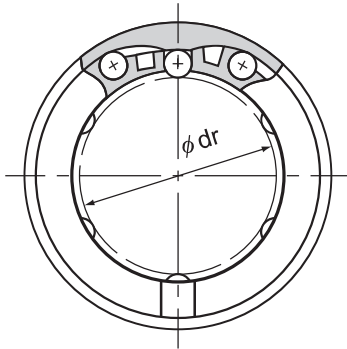
Model LM



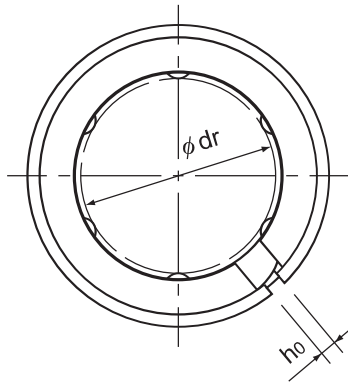
Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance		D	Tolerance High/Precision	L	Tolerance
					High	Precision				
LM 3	—	—	4	3	0 −0.008	0 −0.005	7	0	10	0 −0.12
LM 4	—	—	4	4			8	−0.009	12	
LM 5	—	—	4	5			10		15	
LM 6	LM 6-AJ	—	4	6	0 −0.009	0 −0.006	12	0 −0.011	19	0 −0.2
LM 8S	LM 8S-AJ	—	4	8			15		17	
LM 8	LM 8-AJ	—	4	8			15		24	
LM 10	LM 10-AJ	—	4	10			19	0 −0.013	29	
LM 12	LM 12-AJ	—	4	12			21		30	
LM 13	LM 13-AJ	LM 13-OP	4	13			23		32	
LM 16	LM 16-AJ	LM 16-OP	5	16	28		37	0 −0.3		
LM 20	LM 20-AJ	LM 20-OP	5	20	0 −0.010	0 −0.007	32		42	
LM 25	LM 25-AJ	LM 25-OP	6	25			40		0 −0.016	59
LM 30	LM 30-AJ	LM 30-OP	6	30			45			64
LM 35	LM 35-AJ	LM 35-OP	6	35	0 −0.012	0 −0.008	52		0	70
LM 40	LM 40-AJ	LM 40-OP	6	40			60		−0.019	80
LM 50	LM 50-AJ	LM 50-OP	6	50			80		100	
LM 60	LM 60-AJ	LM 60-OP	6	60	0 −0.015	0 −0.009	90	0 −0.022	110	

Note) Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80°C.
 If the ambient temperature exceeds 80°C, use the type equipped with a metal retainer (model LM-GA).
 If requiring a type equipped with a seal, indicate it when placing an order.
 (Example) LM13 UU

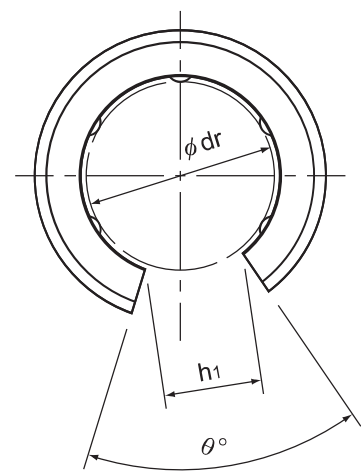
Seal attached on both ends of the nut
 For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LM



Model LM-AJ



Model LM-OP

Unit: mm

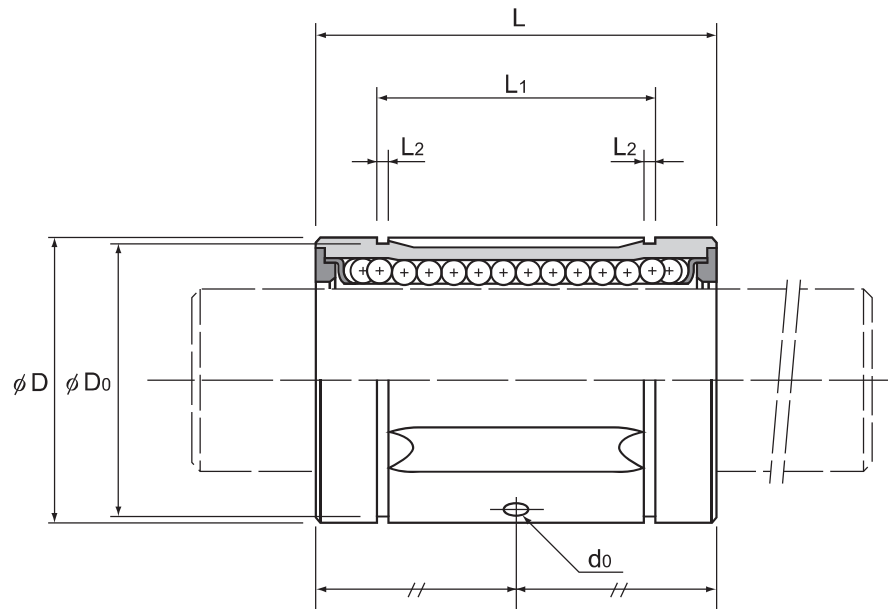
dimensions								Eccentricity (max) μm		Radial clearance tolerance μm	Basic load rating		Mass g
	L_1	Tolerance	L_2	D_0	h_0	h_1	θ°	High	Precision		C N	C_0 N	
	—	—	—	—	—	—	—	8	4	−2	88.2	108	1.6
	—	—	—	—	—	—	—	8	4	−3	88.2	127	2.2
	10.2	0 −0.2	1.1	9.6	—	—	—	8	4	−3	167	206	4
	13.5		1.1	11.5	1	—	—	12	8	−5	206	265	8
	11.5		1.1	14.3	1	—	—	12	8	−5	176	225	9.3
	17.5		1.1	14.3	1	—	—	12	8	−5	265	402	13.5
	22		1.3	18	1	—	—	12	8	−5	373	549	25
	23		1.3	20	1.5	—	—	12	8	−5	412	598	28
	23		1.3	22	1.5	9	80	12	8	−7	510	775	38
	26.5		1.6	27	1.5	11	60	12	8	−7	775	1180	78
	30.5		1.6	30.5	1.5	11	60	15	10	−9	863	1370	86
	41		1.85	38	2	12	50	15	10	−9	980	1570	210
	44.5	0 −0.3	1.85	43	2.5	15	50	15	10	−9	1570	2750	221
	49.5		2.1	49	2.5	17	50	20	12	−13	1670	3140	358
	60.5		2.1	57	3	20	50	20	12	−13	2160	4020	557
	74		2.6	76.5	3	25	50	20	12	−13	3820	7940	1418
	85		3.15	86.5	3	30	50	25	17	−16	4710	10000	1733

Note) When using the Linear Bushing on a single shaft, use two or more units (instead of one unit) on the same shaft to avoid a moment load, and secure a large distance between the units.

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.

Model LM-GA (Metal Retainer Type)



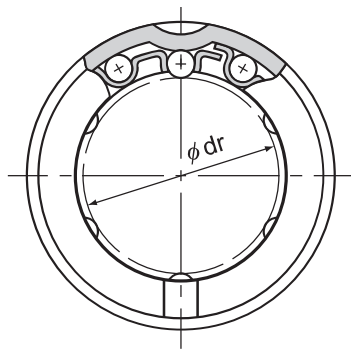
Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance		D	Tolerance High/Precision	L	Tolerance
					High	Precision				
LM 6GA	—	—	3	6	0 −0.009	0 −0.006	12	0 −0.011	19	0 −0.2
LM 8SGA	—	—	3	8			15		17	
LM 8GA	—	—	3	8			15		24	
LM 10GA	—	—	4	10			19	0 −0.013	29	
LM 12GA	LM 12GA-AJ	LM 12GA-OP	4	12			21		30	
LM 13GA	LM 13GA-AJ	LM 13GA-OP	4	13			23		32	
LM 16GA	LM 16GA-AJ	LM 16GA-OP	4	16	0 −0.010	0 −0.007	28	0 −0.016	37	0 −0.3
LM 20GA	LM 20GA-AJ	LM 20GA-OP	5	20			32		42	
LM 25GA	LM 25GA-AJ	LM 25GA-OP	5	25			40		59	
LM 30GA	LM 30GA-AJ	LM 30GA-OP	6	30			45	64		
LM 35GA	LM 35GA-AJ	LM 35GA-OP	6	35			52	0 −0.019	70	
LM 38GA	LM 38GA-AJ	LM 38GA-OP	6	38			57		76	
LM 40GA	LM 40GA-AJ	LM 40GA-OP	6	40	60	80				
LM 50GA	LM 50GA-AJ	LM 50GA-OP	6	50	0 −0.012	0 −0.008	80	0 −0.022	100	0 −0.4
LM 60GA	LM 60GA-AJ	LM 60GA-OP	6	60			90		110	
LM 80GA	LM 80GA-AJ	LM 80GA-OP	6	80			120		140	
LM 100GA	LM 100GA-AJ	LM 100GA-OP	6	100	0	0	150	0	175	
LM 120A	LM 120A-AJ	LM 120A-OP	8	120	−0.020	−0.010	180	−0.025	200	

Note) If requiring a type equipped with a seal, indicate it when placing an order. (seal heat resistance: 80°C.)

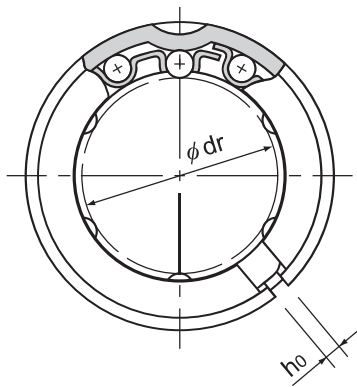
(Example) LM50GA UU

Seal attached on both ends of the nut

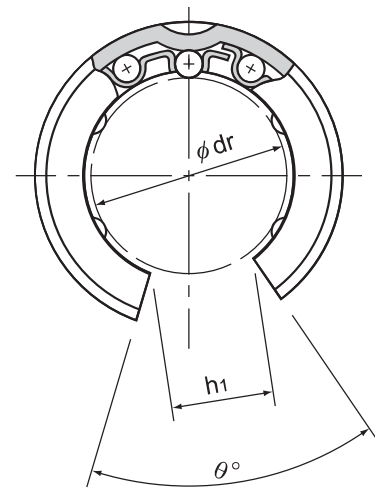
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LM-GA



Model LM-GA-AJ



Model LM-GA-OP

Unit: mm

dimensions								Greasing hole d_0	Eccentricity (max) μm		Radial clearance tolerance μm	Basic load rating		Mass g
	L_1	Tolerance	L_2	D_0	h_0	h_1	θ°		High	Precision		C N	C_0 N	
	13.5	0 -0.2	1.1	11.5	—	—	—	—	12	8	-5	206	265	7
	11.5		1.1	14.3	—	—	—	—	12	8	-5	176	225	10
	17.5		1.1	14.3	—	—	—	—	12	8	-5	265	402	14
	22		1.3	18	—	—	—	2	12	8	-5	373	549	27
	23		1.3	20	1.5	7.5	80	2	12	8	-5	412	598	31
	23		1.3	22	1.5	9	80	2	12	8	-7	510	775	41
	26.5		1.6	27	1.5	11	60	2.3	12	8	-7	775	1180	69
	30.5		1.6	30.5	2	11	60	2.3	15	10	-9	863	1370	92
	41	0 -0.3	1.85	38	2	13	60	3	15	10	-9	980	1570	200
	44.5		1.85	43	2.5	15	50	3	15	10	-9	1570	2750	250
	49.5		2.1	49	2.5	17	50	3	20	12	-13	1670	3140	370
	58.5		2.1	54.5	3	18	50	3	20	12	-13	2160	4020	490
	60.5		2.1	57	3	20	50	3	20	12	-13	2160	4020	590
	74		2.6	76.5	3	25	50	4	20	12	-13	3820	7940	1500
	85		3.15	86.5	3	30	50	4	25	17	-16	4710	10000	1850
	105.5	0 -0.4	4.15	116	3	40	50	4	25	17	-16	7350	16000	4200
	125.5		4.15	145	3	50	50	4	30	20	-20	14100	34800	8200
	158.6		4.15	175	4	85	80	5	30	20	-25	16400	40000	15500

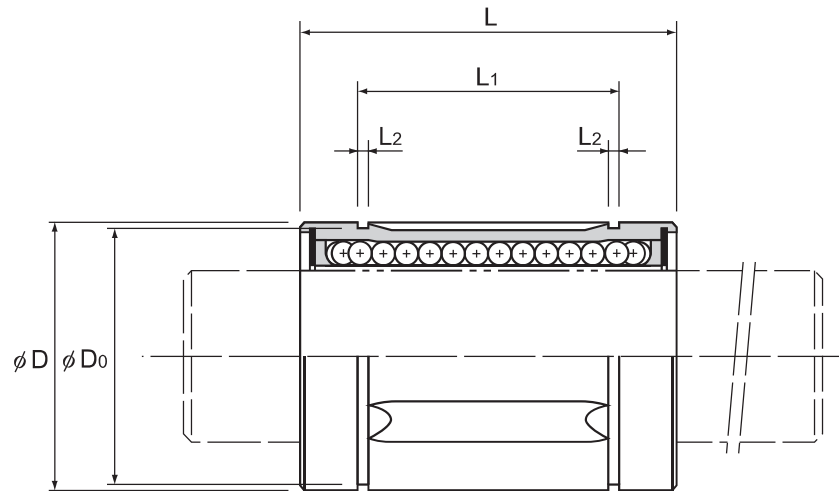
Note) When using the Linear Bushing on a single shaft, use two or more bushings on the same shaft to minimize a moment load, and secure a large distance between the units.

Model LM-GA has oil holes as a standard feature.

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.

Model LM-MG (Stainless Steel Type)



Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance	D	Tolerance	L	Tolerance	
					High	Precision	High/Precision			
LM 3M	—	—	4	3	0 −0.008	0 −0.005	7	0 −0.009	10	0 −0.12
LM 4M	—	—	4	4			8		12	
LM 5M	—	—	4	5			10		15	
* LM 6MG	LM 6MG-AJ	—	4	6	0 −0.009	0 −0.006	12	0 −0.011	19	0 −0.2
* LM 8SMG	LM 8SMG-AJ	—	4	8			15		17	
* LM 8MG	* LM 8MG-AJ	—	4	8			15		24	
* LM 10MG	* LM 10MG-AJ	—	4	10			19	0 −0.013	29	
* LM 12MG	* LM 12MG-AJ	—	4	12			21		30	
* LM 13MG	* LM 13MG-AJ	* LM13MGA-OP	4	13			23		32	
* LM 16MG	* LM 16MG-AJ	* LM16MGA-OP	4	16			28		37	
* LM 20MG	* LM 20MG-AJ	* LM20MGA-OP	5	20	0 −0.010	0 −0.007	32	0 −0.016	42	0 −0.3
* LM 25MG	* LM 25MG-AJ	* LM25MGA-OP	5	25			40		59	
* LM 30MG	* LM 30MG-AJ	* LM30MGA-OP	6	30			45		64	
* LM 35MG	* LM 35MG-AJ	* LM35MGA-OP	6	35	0	0	52	0	70	−0.3
* LM 40MG	* LM 40MG-AJ	* LM40MGA-OP	6	40	−0.012	−0.008	60	−0.019	80	

Note) Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80°C.

If the ambient temperature exceeds 80°C, use the type equipped with a metal retainer and indicate "A" at the end of the model number.

(For those marked with * in the table, metal retainers are available. Only metal retainer is available for open type.)

(Metal retainer types of models LM6MG, 8SMG and 8MG each have 3 rows of balls.)

(Example) LM30MG A

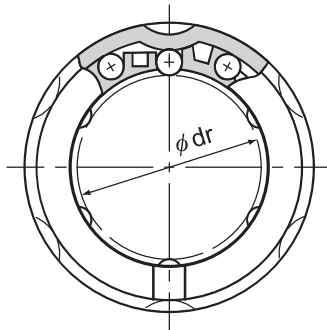
High temperature symbol

If requiring a type equipped with a seal, indicate it when placing an order. (seal heat resistance: 80°C.)

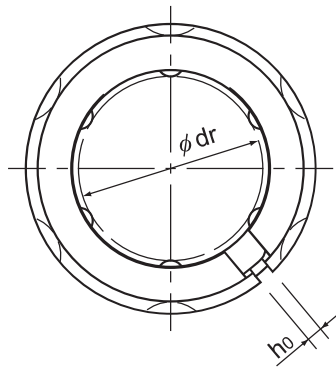
(Example) LM30MG UU

Seal attached on both ends of the nut

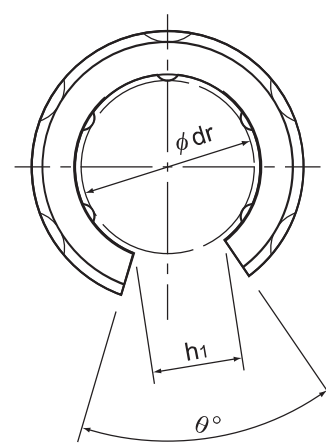
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LM-MG



Model LM-MG-AJ



Model LM-MG-OP

Unit: mm

	dimensions							Eccentricity (max) μm		Radial clearance tolerance μm	Basic load rating		
	L ₁	Tolerance	L ₂	D ₀	h ₀	h ₁	θ°	High	Precision		C N	C ₀ N	Mass g
	—	—	—	—	—	—	—	8	4	−2	88.2	108	1.6
	—	—	—	—	—	—	—	8	4	−3	88.2	127	2.2
10.2		0 −0.2	1.1	9.6	—	—	—	8	4	−3	167	206	4
13.5			1.1	11.5	1	—	—	12	8	−5	206	265	6
11.5			1.1	14.3	1	—	—	12	8	−5	176	225	9
17.5			1.1	14.3	1	—	—	12	8	−5	265	402	13
22			1.3	18	1	—	—	12	8	−5	373	549	23
23			1.3	20	1.5	—	—	12	8	−5	412	598	27
23			1.3	22	1.5	9	80	12	8	−7	510	775	35
26.5			1.6	27	1.5	11	80	12	8	−7	775	1180	59
30.5			1.6	30.5	1.5	11	60	15	10	−9	863	1370	79
41		0 −0.3	1.85	38	2	12	50	15	10	−9	980	1570	170
44.5			1.85	43	2.5	15	50	15	10	−9	1570	2750	220
49.5			2.1	49	2.5	17	50	20	12	−13	1670	3140	330
60.5			2.1	57	3	20	50	20	12	−13	2160	4020	530

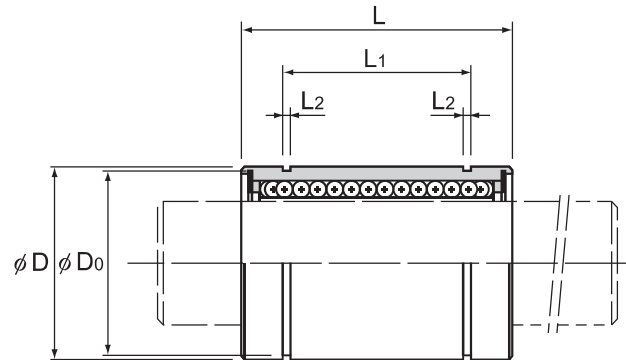
Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.

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.

When using the Linear Bushing on a single shaft, use two or more bushings on the same shaft to minimize a moment load, and secure a large distance between the units.

Model LME



Model No.			Ball rows	Main					
Standard type	Clearance-adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length	
				dr	Tolerance	D	Tolerance	L	Tolerance
LME 5	LME 5-AJ	—	4	5	+0.008 0	12	0	22	0 -0.2
LME 8	LME 8-AJ	—	4	8		16	-0.008	25	
LME 12	LME 12-AJ	—	4	12		22	0	32	
LME 16	LME 16-AJ	LME 16-OP	5	16	+0.009	26	-0.009	36	
LME 20	LME 20-AJ	LME 20-OP	5	20	-0.001	32	0 -0.011	45	0 -0.3
LME 25	LME 25-AJ	LME 25-OP	6	25	+0.011	40		58	
LME 30	LME 30-AJ	LME 30-OP	6	30	-0.001	47	68		
LME 40	LME 40-AJ	LME 40-OP	6	40	+0.013 -0.002	62	0	80	
LME 50	LME 50-AJ	LME 50-OP	6	50		75	-0.013	100	
LME 60	LME 60-AJ	LME 60-OP	6	60	+0.016 -0.004	90	0 -0.015	125	0 -0.4
LME 80GA	LME 80GA-AJ	LME 80GA-OP	6	80		120		165	

Note) Since Linear Bushing models LME60 or smaller models are incorporated with a synthetic resin retainer, do not use them at temperature exceeding 80°C.

If the ambient temperature exceeds 80°C, use the type equipped with a metal retainer and indicate "A" at the end of the model number.

(Example) LME20G A

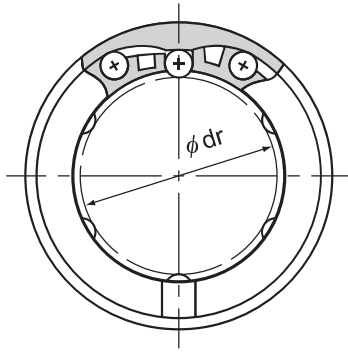
High temperature symbol

If requiring a type equipped with a seal, indicate it when placing an order. (seal heat resistance: 80°C.)

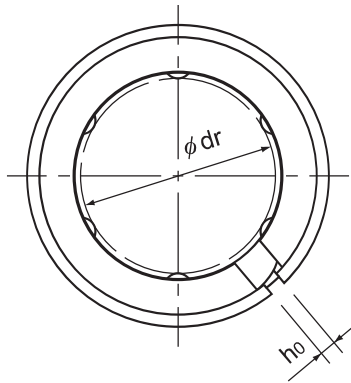
(Example) LME16 UU

Seal attached on both ends of the nut

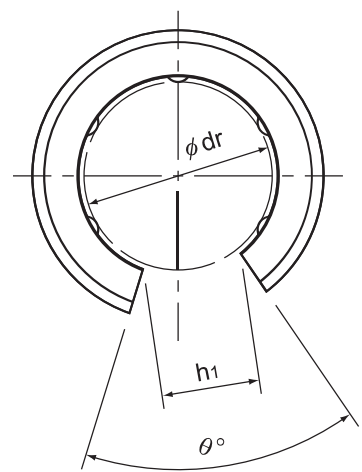
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LME



Model LME-AJ



Model LME-OP

Unit: mm

dimensions								Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
L_1	Tolerance	L_2	D_0	h_0	h_1	θ°	μm			C N	C_0 N	
14.5	0 -0.2	1.1	11.5	1	—	—	12	—	-5	206	265	11.4
16.5		1.1	15.2	1	—	—	12	—	-5	265	402	18.5
22.9		1.3	21	1.5	7.5	78	12	—	-7	510	775	37
24.9		1.3	24.9	1.5	10	78	12	—	-7	775	1180	52
31.5		1.6	30.3	2	10	60	15	—	-9	863	1370	89
44.1	0 -0.3	1.85	37.5	2	12.5	60	15	—	-9	980	1570	203
52.1		1.85	44.5	2	12.5	50	15	—	-9	1570	2750	306
60.6		2.15	59	3	16.8	50	17	—	-13	2160	4020	673
77.6		2.65	72	3	21	50	17	—	-13	3820	7940	1025
101.7	0 -0.4	3.15	86.5	3	27.2	54	20	—	-16	4710	10000	1914
133.7		4.15	116	3	36.3	54	20	—	-16	7350	16000	4800

Note) If a metal retainer is used, the Linear Bushing has the shape as shown below.

When using the Linear Bushing on a single shaft, use two or more units (instead of one unit) on the same shaft to avoid a moment load, and secure a large distance between the units.

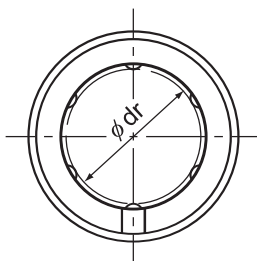
If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.

For further information, contact THK.



Model LME-GA

Model LM-L



Model LM-L

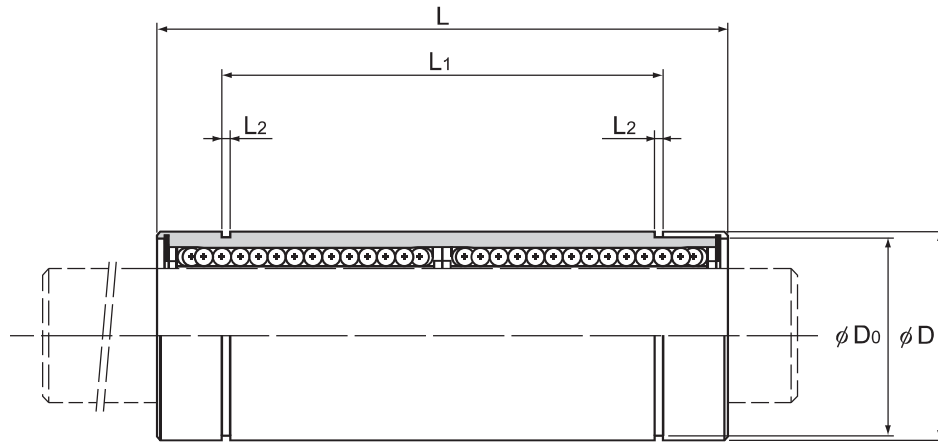
Model No. Standard type	Ball rows	Main					
		Inscribed bore diameter		Outer diameter		Length	
		dr	Tolerance	D	Tolerance	L	Tolerance
LM 3L	4	3	0 −0.010	7	0 −0.013	19	0 −0.3
LM 4L	4	4		8		23	
LM 5L	4	5		10		29	
LM 6L	4	6		12		35	
LM 8L	4	8		15		45	
LM 10L	4	10		19	0 −0.016	55	
LM 12L	4	12		21		57	
LM 13L	4	13		23		61	
LM 16L	5	16	0 −0.012	28	0 −0.019	70	
LM 20L	5	20		32		80	
LM 25L	6	25		40		112	
LM 30L	6	30	0 −0.015	45	0 −0.022	123	0 −0.4
LM 35L	6	35		52		135	
LM 40L	6	40		60		154	
LM 50L	6	50	0 −0.020	80	0 −0.025	192	
LM 60L	6	60		90		211	

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) LM13L UU

——— Seal attached on both ends of the nut



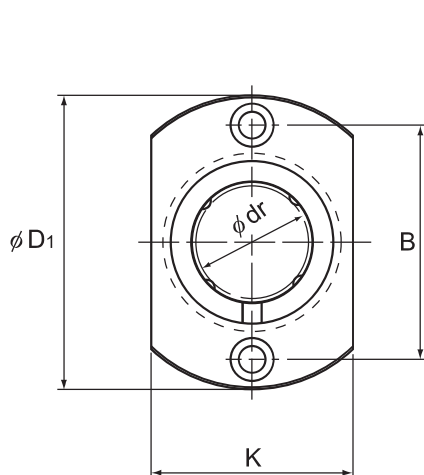
Guide Ball Bushing/Linear Bushing

Unit: mm

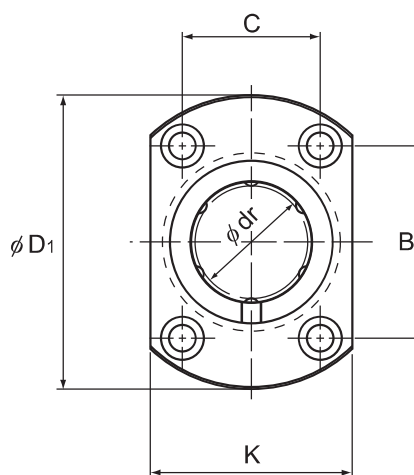
dimensions					Eccentricity (max) μm	Radial clearance tolerance μm	Basic load rating		Mass g
	L ₁	Tolerance	L ₂	D ₀			C N	C ₀ N	
	—	—	—	—	10	−2	139	216	3
	—	—	—	—	10	−3	139	254	4
	20	0 −0.3	1.1	9.6	10	−3	263	412	10
	27		1.1	11.5	15	−5	324	529	15
	35		1.1	14.3	15	−5	431	784	26
	44		1.3	18	15	−5	588	1100	48
	46		1.3	20	15	−5	657	1200	56
	46		1.3	22	15	−7	814	1570	75
	53		1.6	27	15	−7	1230	2350	147
	61		1.6	30.5	20	−9	1400	2750	163
	82	0 −0.4	1.85	38	20	−9	1560	3140	397
	89		1.85	43	20	−9	2490	5490	434
	99		2.1	49	25	−13	2650	6270	696
	121		2.1	57	25	−13	3430	8040	1087
	148		2.6	76.5	25	−13	6080	15900	2770
	170		3.15	86.5	25	−16	7650	20000	3340

Note) A stainless steel type (LM3ML to 30ML) is also available. Contact THK for details.
 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.

Model LMH



Models LMH6 to 13



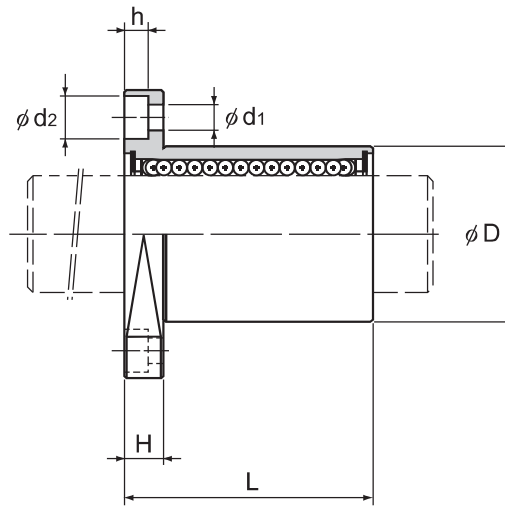
Models LMH16 to 30

Model No. Standard type	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMH 6	4	6	0 −0.009	12	0	19	0 −0.2	28	0 −0.2
LMH 8S	4	8		15	−0.011	17		32	
LMH 8	4	8		15	−0.013	24		32	
LMH 10	4	10		19		29		39	
LMH 12	4	12		21		30		42	
LMH 13	4	13		23		32		43	
LMH 16	5	16	0 −0.010	28	0 −0.016	37	0 −0.3	48	
LMH 20	5	20		32		42		54	
LMH 25	6	25		40		59		62	
LMH 30	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) LMH16 UU

—— Seal attached on both ends of the nut

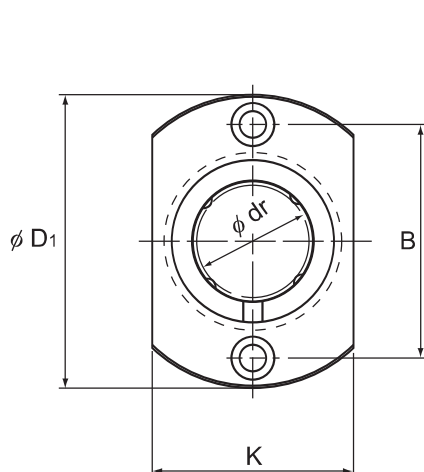


Unit: mm

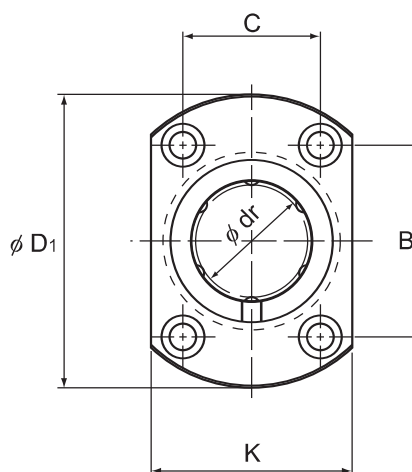
						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	B	C	Mounting hole $d_1 \times d_2 \times h$				C N	C ₀ N	
	18	5	20	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	206	265	20
	21	5	24	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	176	225	24
	21	5	24	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	265	402	28
	25	6	29	—	$4.5 \times 8 \times 4.4$	12	12	-5	373	549	50
	27	6	32	—	$4.5 \times 8 \times 4.4$	12	12	-5	412	598	56
	29	6	33	—	$4.5 \times 8 \times 4.4$	12	12	-7	510	775	69
	34	6	31	22	$4.5 \times 8 \times 4.4$	12	12	-7	775	1180	111
	38	8	36	24	$5.5 \times 9.2 \times 5.4$	15	15	-9	863	1370	140
	46	8	40	32	$5.5 \times 9.2 \times 5.4$	15	15	-9	980	1570	279
	51	10	49	35	$6.6 \times 11 \times 6.5$	15	15	-9	1570	2750	351

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.

Model LMH-M (Stainless Steel Type)



Models LMH 6M to 13M



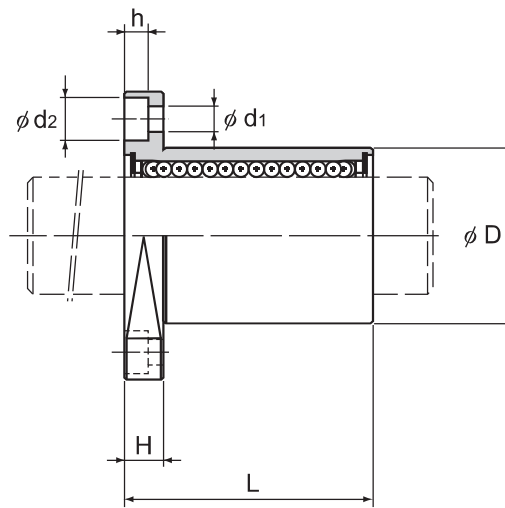
Models LMH 16M to 30M

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

Note) Since this model contains a synthetic resin retainer, do not use it in temperatures exceeding 80°C.
If an equipped seal is required, please specify when placing an order.

(Example) LMH16M UU

_____ Seal attached on both ends of the nut



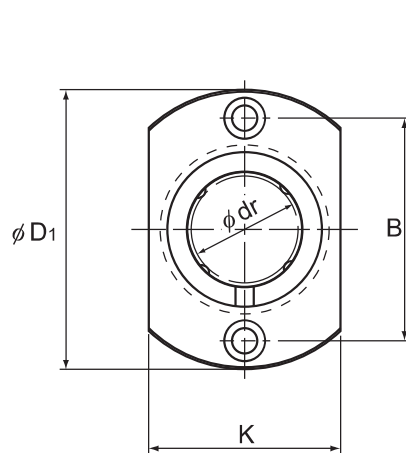
Guide Ball Bushing/Linear Bushing

Unit: mm

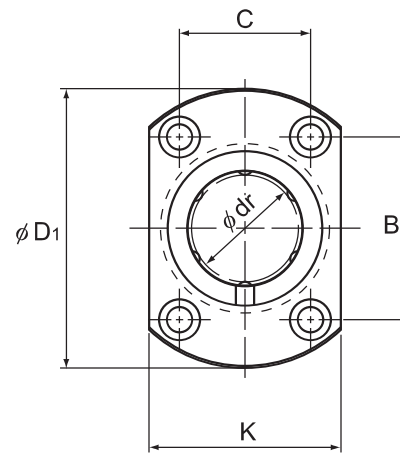
						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	B	C	Mounting hole $d_1 \times d_2 \times h$	μm	μm	μm	C N	C ₀ N	
	18	5	20	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	206	265	20
	21	5	24	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	176	225	24
	21	5	24	—	$3.4 \times 6.5 \times 3.3$	12	12	-5	265	402	28
	25	6	29	—	$4.5 \times 8 \times 4.4$	12	12	-5	373	549	50
	27	6	32	—	$4.5 \times 8 \times 4.4$	12	12	-5	412	598	56
	29	6	33	—	$4.5 \times 8 \times 4.4$	12	12	-7	510	775	69
	34	6	31	22	$4.5 \times 8 \times 4.4$	12	12	-7	775	1180	111
	38	8	36	24	$5.5 \times 9.2 \times 5.4$	15	15	-9	863	1370	140
	46	8	40	32	$5.5 \times 9.2 \times 5.4$	15	15	-9	980	1570	279
	51	10	49	35	$6.6 \times 11 \times 6.5$	15	15	-9	1570	2750	351

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.
 If oil holes are required, please specify by adding OH to the end of the model number.
 For further information, contact THK.

Model LMH-L



Models LMH6L to 13L



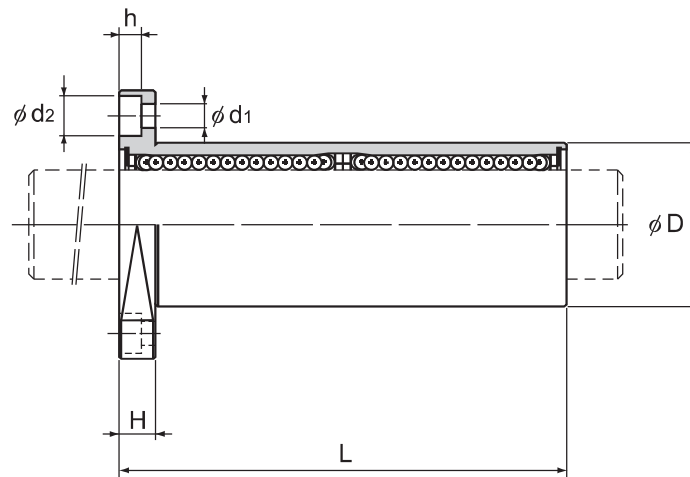
Models LMH16L to 30L

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMH 6L	4	6	0 −0.010	12	0	35	0 −0.3	28	0 −0.2
LMH 8L	4	8		15	−0.013	45		32	
LMH 10L	4	10		19	0 −0.016	55		39	
LMH 12L	4	12		21		57		42	
LMH 13L	4	13		23		61		43	
LMH 16L	5	16	0 −0.012	28	0 −0.019	70	0 −0.4	48	
LMH 20L	5	20		32		80		54	
LMH 25L	6	25		40		112		62	
LMH 30L	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) LMH20L UU

Seal attached on both ends of the nut

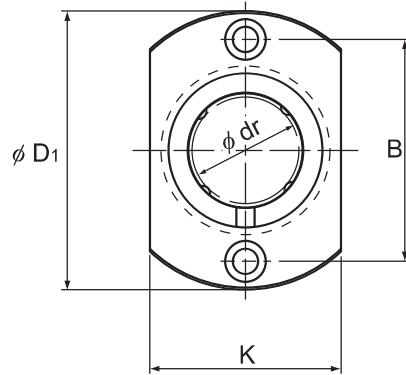


Unit: mm

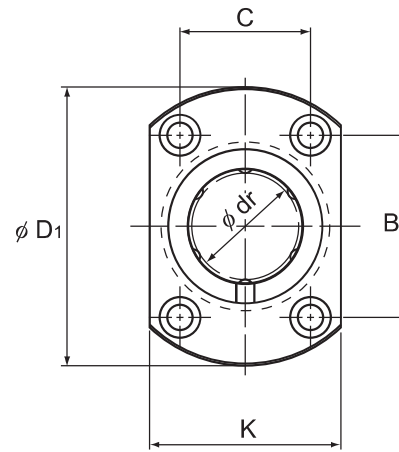
						Flange perpendicularity	Eccentricity (max)	Radial clearance tolerance	Basic load rating		Mass g
	K	H	B	C	Mounting hole $d_1 \times d_2 \times h$				C N	C ₀ N	
	18	5	20	—	3.4×6.5×3.3	15	15	−5	324	529	27
	21	5	24	—	3.4×6.5×3.3	15	15	−5	431	784	41
	25	6	29	—	4.5×8×4.4	15	15	−5	588	1100	72
	27	6	32	—	4.5×8×4.4	15	15	−5	657	1200	81
	29	6	33	—	4.5×8×4.4	15	15	−7	814	1570	105
	34	6	31	22	4.5×8×4.4	15	15	−7	1230	2350	182
	38	8	36	24	5.5×9.2×5.4	20	20	−9	1400	2750	217
	46	8	40	32	5.5×9.2×5.4	20	20	−9	1560	3140	477
	51	10	49	35	6.6×11×6.5	20	20	−9	2490	5490	575

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.

Model LMH-ML (Stainless Steel Type)



Models LMH 6ML to 13ML



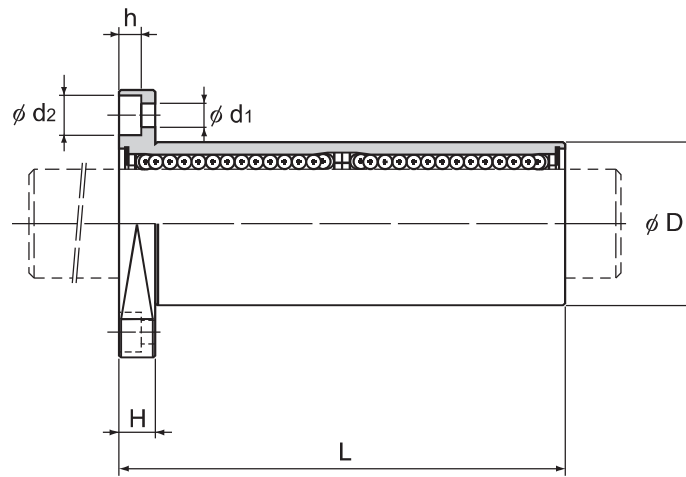
Models LMH 16ML to 30ML

Model No.	Ball rows	Main dimensions							
		Inscribed bore diameter		Outer diameter		Length		Flange diameter	
		dr	Tolerance	D	Tolerance	L	Tolerance	D ₁	Tolerance
LMH 6ML	4	6	0 -0.010	12	0	35	0 -0.3	28	0 -0.2
LMH 8ML	4	8		15	-0.013	45		32	
LMH 10ML	4	10		19	0 -0.016	55		39	
LMH 12ML	4	12		21		57		42	
LMH 13ML	4	13		23		61		43	
LMH 16ML	5	16	0 -0.012	28	0 -0.019	70	0 -0.4	48	
LMH 20ML	5	20		32		80		54	
LMH 25ML	6	25		40		112		62	
LMH 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 an equipped seal is required, please specify when placing an order.

(Example) LMH20ML 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	B	C	Mounting hole $d_1 \times d_2 \times h$				C N	C ₀ N	
	18	5	20	—	$3.4 \times 6.5 \times 3.3$	15	15	-5	324	529	27
	21	5	24	—	$3.4 \times 6.5 \times 3.3$	15	15	-5	431	784	41
	25	6	29	—	$4.5 \times 8 \times 4.4$	15	15	-5	588	1100	72
	27	6	32	—	$4.5 \times 8 \times 4.4$	15	15	-5	657	1200	81
	29	6	33	—	$4.5 \times 8 \times 4.4$	15	15	-7	814	1570	105
	34	6	31	22	$4.5 \times 8 \times 4.4$	15	15	-7	1230	2350	182
	38	8	36	24	$5.5 \times 9.2 \times 5.4$	20	20	-9	1400	2750	217
	46	8	40	32	$5.5 \times 9.2 \times 5.4$	20	20	-9	1560	3140	477
	51	10	49	35	$6.6 \times 11 \times 6.5$	20	20	-9	2490	5490	575

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.
 If oil holes are required, please specify by adding OH to the end of the model number.
 For further information, contact THK.